

JENS-CHRISTIAN SVENNING

Curriculum Vitae (11 May 2024)

PERSONAL DATA: Born 09 July 1970, Horsens. Married, 3 children. Citizen of Denmark.

PRIVATE ADDRESS: Jarlsmindevej 12, Stavtrup, 8260 Viby J, Denmark, tel (+45) 28992304.

WORK ADDRESS: Department of Biology, Aarhus University, Ny Munkegade 114, DK-8000 Aarhus C., Denmark, tel (+45) 28992304, email: svenning@bio.au.dk. Home page: <https://pure.au.dk/portal/en/svenning@bio.au.dk>.

EDUCATION:

- 1999 PhD, Dept. Biol. Sci., Aarhus University
- 1990-99 Under- to postgraduate studies, Dept. Biol. Sci., Aarhus University
- 1989-90 Undergraduate studies, Indiana University, Bloomington, USA
- 1989 Matematisk Studentereksamen, Holstebro Gymnasium (high-school)

POSITIONS:

- 2023- Director, DNRF Center for Ecological Dynamics in a Novel Biosphere (ECONOVO), Dept. Biology, Aarhus University
- 2017- Director, Center for Biodiversity Dynamics in a Changing World (BIOCHANGE), Dept. Biology/Bioscience, Aarhus University
- 2013- Professor, Dept. Biology/Bioscience, Aarhus University
- 2009-13 Professor (mso), Dept. Bioscience/Dept. Biol. Sci., Aarhus University
- 2005-08 Associate professor, Dept. Biol. Sci., Aarhus University
- 2002-05 Assistant professor, Dept. Biol. Sci., Aarhus University
- 2000-02 Postdoc, Smithsonian Tropical Research Institution, Panama
- 1999 Assistant professor, Dept. Biol. Sci., Aarhus University
- 1994-95 Field coordinator, *Yasuní Forest Dynamics Project* (Smithsonian Trop. Res. Inst., Pontificia Universidad Católica del Ecuador, Aarhus Univ.), Ecuador

Administrative posts:

- 2010-19 Head, Section for Ecoinformatics & Biodiversity, Dept. Biosci., Aarhus University

Honorary appointments:

- 2008-17 MADALGO Associate, Dept. Computer Science, Aarhus University

RESEARCH INTERESTS: Macro- and field-based ecology, biogeography, global change, conservation, restoration and rewilding, sustainability science, human ecology, ecoinformatics, remote sensing. **Recent portraits:** “Carlsfondets Forskningspris 2023” (Carlsberg Foundation Research Prize 2023): <https://bit.ly/CFResearchPrize2023>. “Månedens Forsker” (Researcher of the Month), Carlsberg Foundation, 2021: <https://bit.ly/MaanedensForskerJCS>; “Energy and biodiversity - two researchers, one climate”, VILLUM Fonden, 2021: <https://bit.ly/VFAnnualAward>.

HONORS & MEMBERSHIPS: Honors: *Carlsberg Foundation Research Prize* (Carlsbergfondets Forskningspris; 1,000,000 DKK – awarded based on recommendation by prize committee appointed jointly by the Royal Danish Academy of Sciences and Letters and the Carlsberg Foundation), Carlsberg Foundation, 2023; *Ernst Haeckel Prize*, European Ecological Federation, 2022; *Distinguished Fellow of the International Biogeography Society*, International Biogeography Society, 2022; *Villum Kann Rasmussen Annual Award in Science and Technology* (Villum Kann Rasmussens Årslegat til Teknisk og Naturvidenskabelig Forskning; 5,000,000 DKK – the largest individual Danish research award), VILLUM FONDEN, 2021; *Chinese Academy of*

*Sciences' President's International Fellowship Initiative (PIFI): Distinguished Fellow, 2017; Queen Margrethe II's Science Award (Dronning Margrethe II's Videnskabspris; 100,000 DKK), Royal Danish Academy of Sciences and Letters, 2016; EliteForsk Prize (1,200,000 DKK), Danish Ministry of Higher Education and Science, 2014; Kraks Blå Bog, 2013-. International Association for Landscape Ecology, US Chapter (US-IALE), Outstanding Paper in Landscape Ecology Award – Honorable Mention, 2012 (Ecography, 2010, 93:1070-1080). Ebbe Nielsen Prize (€30,000), GBIF, 2011. **Elected fellowships:** Royal Danish Academy of Sciences and Letters, 2010-. Danish Academy of Natural Sciences, 2011-, Young Academy of Europe (YAE), 2014-2017. **Other:** International Biogeography Society (lifetime member), Ecological Society of America (lifetime member), Society for Ecological Restoration (lifetime member).*

MAJOR GRANTS RECEIVED (PI, principal investigator, Co-PI, co-principal investigator):
Danish National Research Foundation: Center of Excellence - *Center for Ecological Dynamics in a Novel Biosphere (ECONOVO)* **59,998,000 DKK**, 2023-2028 (PI); **Biodiversa+:** Efficient conservation of Mediterranean forests: an integrative assessment of the drivers and vulnerability of multi-taxa, multi-facet and multi-scale biodiversity patterns (INTEGRADIV) **2.249.978 DKK**, 2023-2025 (Co-PI); **Horizon Europe:** *Climate-smart rewilding: ecological restoration for climate change mitigation, adaptation and biodiversity support in Europe (wildE)* **8,555,016 EUR**, 2023-2026 (co-PI); **15. Juni Fonden:** *Vorsø – Den naturlige skovudvikling- reference for nye naturreservater* **2,565,000 DKK**, 2022-2024 (Co-I); **European Space Agency:** *Rangeland Monitoring for Africa using Earth Observation – Continental Demonstrators (RAMONA)* **1,200,000 EUR**, 2022-2024 (co-PI); **Danida Fellowship Centre (DFC):** Integrative Green Infrastructure Planning – GRIP **4,976,218 DKK**, 2021-2023 (PI); **Novo Nordisk Foundation:** *SustainScapes – Sustainable solutions for maintenance of biodiversity and production across landscapes* **59.996.944 DKK**, 2021-2026 (co-PI); **Independent Research Fund Denmark | Natural Sciences:** *Megafauna complexity as a global driver of vegetation diversity (MegaComplexity)* **6,191,239 DKK**, 2021-2025 (PI); **European Commission:** Marie Skłodowska-Curie Individual Fellowship *FAIR (Wang Li)* **219,312 EUR** 2020-2022 (PI); **European Commission:** Marie Skłodowska-Curie Innovative Training Network *The European Landscape Learning Initiative: Past and Future Environments and Energy Regimes shaping Policy Tools (TerraNova)* **4,163,468 EUR**, 2019-2023 (co-PI); **VILLUM FONDEN:** VILLUM Investigator project *Biodiversity Dynamics in a Changing World* **39,987,212 DKK**, 2017-2023 (PI); **AU Research Foundation:** *Guest researcher grant (Prof. John W. Williams)* **425,789 DKK**, 2017-2018 (PI); **Carlsberg Foundation:** *Semper Ardens Megafauna ecosystem ecology from the deep prehistory to a human-dominated future (MegaPast2Future)* **13,777,082 DKK**, 2016-2020 (PI); **Danish Council for Independent Research | Natural Sciences:** *Tree diversity dynamics under climate change (TREECHANGE)* **2.587.678 DKK**, 2016-2019 (PI); **European Commission:** Marie Skłodowska-Curie Individual Fellowship *EcoFund4Cast (Robert J. Lewis)* **200,195 EUR** 2017-2019 (PI); **European Commission:** Marie Skłodowska-Curie Individual Fellowship *KeyDynamics (Manuel J. Steinbauer)* **212,195 EUR** 2017 (PI); **AU Research Foundation:** *Guest researcher grant (Prof. Mauro Galetti)* **356,191 DKK**, 2016 (PI); **EU H2020:** *Detecting changes in essential ecosystem and biodiversity properties – towards a Biosphere Atmosphere Change Index: BACI* **3,000,000 EUR**, 2014-2019 (co-PI); **Carlsberg Foundation:** *New approaches for macroecology under disturbance and disequilibrium* **1,200,000 DKK**, 2015-2017 (PI); **European Commission:** Marie Skłodowska-Curie Individual Fellowship *Understanding Social-Ecological Systems (G. Watmough)* **212,195 EUR** 2015-2018 (PI); **AU Ideas:** *Centre for Biocultural History* **4,500,000 DKK**, 2014-2017 (co-PI); **Danish Council for Strategic Research:** *DNMARK: Danish Nitrogen Mitigation Assessment: Research and Know-how for a sustainable, low-Nitrogen food production*, **20,000,000 DKK**, 2013-2017 (co-PI); **Villum Foundation:** *Station Nord infrastructure – a sustainable Arctic environment in a changing climate*, **70,500,000 DKK**, 2013-2015 (co-PI); **ERC Starting Grant (consolidator phase):** *Macroecological Studies of Long-Term Historical Constraints on Functional Diversity and Ecosystem Functioning across Continents (HISTFUNC)* **1,499,930 EUR**, 2013-2017 (PI); **Danish Council for Independent Research | Natural Sciences (FNU):** *Paleoclimatic stability and the*

evolutionary ecosystem ecology of Earth's forests (STABFOR) 5,759,643 DKK, 2013-2015 (PI); AU Ideas: Center on Informatics Research on Complexity in Ecology (CIRCE) 4,000,000 DKK, 2012-2016 (PI); Danish National Research Foundation: Anthropocene: Discovering the Potential of Unintentional Design on Anthropogenic Landscapes (AURA; Niels Bohr professorship to A. Tsing) 29,035,000 DKK, 2013-2018 (co-PI); AU: Centre for Integrated Register-based Research at Aarhus university (CIRRAU) 20,000,000 DKK, 2012-2016 (co-PI); NordForsk: Nordic Researcher Network Stay or Go? 900,000 NOK, 2010-2012 (co-PI w/ PI: B.J. Graae); AU Research Foundation: Center for Interdisciplinary Geospatial Informatics Research 2,500,000 DKK (one of two PIs), 2010-2015; NordForsk: Nordic Researcher Network CBIO-NET 900,000 NOK, 2010-2012 (co-PI w/ PI: C. Damgaard); Villum Kann Rasmussen Foundation: What determines the global patterns of palm species diversity? 1,200,000 DKK, 2009-2011 (PI); AU Research Foundation: Agriculture, climate, and biodiversity in a dynamic landscape, 1,950,000 DKK, 2010-2012 (co-PI w/ PI: T. Dalgaard); European Community, FP7: Palm Harvest Impacts on Tropical Forest 3,145,000 €, 2009-2013 (co-PI w/ PI: H. Balslev); Danish Council for Independent Research | Natural Sciences (FNU): Plant species diversity in a changing world – using ecoinformatics to assess drivers and predict responses 3,493,200 DKK, 2008-2011 (PI); NordForsk: Nordic Network on Species Range Dynamics (NORA) 849,000 NOK, 2009-2011 (co-PI w/ PI: J. Kollmann); Danish Council for Independent Research | Natural Sciences (FNU): Modelling Neotropical palm distributions 2,986,800 DKK, 2007-2009 (co-PI w/ PI: H. Balslev); Danish Council for Independent Research | Natural Sciences (FNU): Biodiversity Informatics Conferences 2007-2011. Biodiversity Informatics and Climate Change Impacts on Life 120,000 DKK, 2008 (co-PI w/ PI: H. Balslev); Danish Council for Independent Research | Natural Sciences (FNU): LifeWatch-Denmark – science and perspectives 250,000 DKK, 2007-2008 (co-PI w/ PI: H. Balslev); Danish Council for Independent Research | Natural Sciences (FNU): A macroecological-biogeographical perspective on the biocomplexity of plants under global change 2,244,052 DKK, 2005-2008 (PI); Danish Council for Independent Research | Natural Sciences (FNU): Evolutionary macroecology of forest plants 1,985,145 DKK, 2002-2005 (PI); Carlsberg Foundation: How is the tropical species richness maintained? 750,000 DKK, 2000-2002 (PI).

TAXONOMY: *Piper svenningii*, a newly described species of pepper plant named after me, with a specimen I collected in 1995 as the type specimen (Trujillo, W. & Balslev, H. 2023. *Nordic Journal of Botany*, e03897). *Geonoma supracostata* Svenning, a “new” species of palm that I described in *Nordic J. Bot.* 21: 344 (2001).

PUBLICATIONS: Web of Science **Highly Cited Researcher**, 2018-2023 (environment and ecology/cross-field). Ranked 101 [number 1 in Denmark] on Reuters Hot List of climate scientists, 2021. 559 peer-reviewed papers in international scientific journals, 54 other scientific publications, and 33 popular science and educational publications. **Citation statistics:** Google Scholar: 48,216 citations, *H-index* = 111; ISI Web of Science: 30,191, *H-index* = 90, 23 Highly Cited papers. 5 peer-reviewed papers in *Nature*, 5 in *Science* (plus 2 perspectives), 23 papers in *PNAS* (plus 4 comments), 5 *Science Advances*, 9 *Nature Ecology & Evolution*, 4 *Nature Climate Change*, 9 *Nature Communications*, 2 *Nature Sustainability*, 2 *Nature Plants*, and 14 *Ecology Letters*.

Peer-reviewed papers in international scientific journals:

- 560. Li, W., Guo, W.-Y., Pasgaard, M., Niu, Z., Wang, L., Chen, F., Qin, Y., Qiao, H. & **Svenning, J.-C.** Accepted. Unmanaged naturally regenerating forests approach intact forest canopy structure but are susceptible to climate and human stress. *One Earth*.
- 559. Wooldridge, B., **Svenning, J.-C.** & Pagh, S. Accepted. Habitat selection and movement patterns of the raccoon dog (*Nyctereutes procyonoides*) in Denmark using GPS telemetry data. *European Journal of Wildlife Research*.
- 558. Yan, H. *et al.* (incl. **Svenning, J.-C.**) 2024. The functional diversity–productivity relationship of woody plants is climatically sensitive. *Ecology and Evolution* 14:e11364.

557. Zou, Y. *et al.* (incl. **Svenning, J.-C.**) Accepted. Positive feedbacks and alternative stable states in forest leaf types. *Nature Communications*.
556. Ejaz, U. *et al.* & **Svenning, J.-C.** 2024. Monitoring the industrial waste polluted stream - integrated analytics and machine learning for water quality index assessment. *Journal of Cleaner Production* 450:141877.
555. Serra-Diaz, J.M. *et al.* (incl. **Svenning, J.-C.**) 2024. occTest: an integrated approach for quality control of species occurrence data. *Global Ecology & Biogeography*, e13847.
554. **Svenning, J.-C.**, Buitenwerf, R. & Le Roux, E. 2024. Trophic rewilding as a restoration approach under emerging novel biosphere conditions. *Current Biology* 34:PR435-R451.
553. **Svenning, J.-C.**, Lemoine, R.T., Bergman, J., Buitenwerf, R., Le Roux, E., Lundgren, E., Mungi, N. & Pedersen, R.Ø. 2024. The late-Quaternary megafauna extinctions: patterns, causes, ecological consequences, and implications for ecosystem management in the Anthropocene. *Extinction* 2:e5.
552. Atkinson, J., Gallagher, R.V., Czyzewski, S., Kerr, M.R., Trepel, J., Buitenwerf, R. & **Svenning, J.-C.** 2024. Integrating functional traits into trophic rewilding science. *Journal of Ecology* 112:936-953.
551. Kemppinen, J. *et al.* (incl. **Svenning, J.-C.**) 2024. Microclimate, an inseparable part of ecology and biogeography. *Global Ecology & Biogeography*, DOI: 10.1111/geb.13834.
550. **Svenning, J.-C.**, McGeoch, M.A., Normand, S., Ordonez, A. & Riede, F. 2024. Navigating ecological novelty towards planetary stewardship: challenges and opportunities in biodiversity dynamics in a transforming biosphere. *Philosophical Transactions of the Royal Society B: Biological Sciences* 379:20230008.
549. Liu, L., Liu, P., Yu, J., Feng, G., Zhang, Q. & **Svenning, J.-C.** 2024. Wind farms increase land surface temperature and reduce vegetation productivity in the Inner Mongolia Plateau, *Geography and Sustainability* 5:319-328.
548. Mata, J., Davison, C.W., Frøslev, T., Buitenwerf, R. & **Svenning, J.-C.** 2024. Resource partitioning in a novel large-herbivore assemblage in South America. *Journal of Animal Ecology* 93:606-618.
547. Lundgren, E.J. *et al.* (incl. **Svenning, J.-C.**) Accepted. Preventing extinction in an age of species migration and planetary change. *Conservation Biology*.
546. He, F., **Svenning, J.-C.**, Chen, X., Tockner, K., Kuemmerle, T., Le Roux, E., Moleón, M., Gesner, J., & Jähnig, S.C. 2024. Freshwater megafauna shape ecosystems and facilitate restoration. *Biological Reviews*, doi: 10.1111/brv.13062.
545. Trepel, J., le Roux, E., Abraham, A.J., Buitenwerf, R., Kamp, J., Kristensen, J.A., Tietje, M., Lundgren, E.J. & **Svenning, J.-C.** 2024. Meta-analysis shows that wild large herbivores shape ecosystem properties and promote spatial heterogeneity. *Nature Ecology & Evolution* 8:705-716.
544. Ordonez, A., Riede, F., Normand, S. & **Svenning, J.-C.** 2024. Towards a novel biosphere in 2300: rapid and extensive global and biome-wide climatic novelty in the Anthropocene. *Philosophical Transactions of the Royal Society B: Biological Sciences* 379:2023002.
543. Zymarioieva, A., Bondarev, D., Kunakh, O., **Svenning, J.-C.** & Zhukov, O. 2024. Young-of-the-year fish as bioindicators of eutrophication and temperature regime of water bodies. *Environmental Monitoring and Assessment* 196:161.
542. Davoli, M. & **Svenning, J.-C.** 2024. Future changes in society and climate may strongly shape wild large-herbivore faunas across Europe. *Philosophical Transactions of the Royal Society B: Biological Sciences* 379:20230334.
540. Wen, L., *et al.* & **Svenning, J.-C.** 2024. Drivers of desert plant beta diversity on the Qinghai-Tibet Plateau. *Ecology and Evolution* 14:e10993
540. Midolo, G., *et al.* (incl. **Svenning, J.-C.**) 2024. Diversity and distribution of Raunkiaer's life forms in European vegetation. *Journal of Vegetation Science* 35:e13229.
539. Lundgren, E.J., Bergman, J., Trepel, J., Le Roux, E., Monsarrat, S., Kristensen, J.A., Pedersen, R.Ø., Pereyra, P., Tietje, M. & **Svenning, J.-C.** 2024. Functional traits—not nativeness—shape the effects of large mammalian herbivores on plant communities. *Science* 383:531-537.

538. Boonman, C., Serra-Diaz, J.M., Hoeks, S., Guo, W.Y., Enquist, B.J., Maitner, B., Malhi, Y., Merow, C., Buitenwerf, R. & **Svenning, J.-C.** 2024. More than 17,000 tree species are at risk from rapid global change. *Nature Communications* 15:166.
537. Fehr, V., Conedera, M., Dalle Fratte, M., *et al.* (incl. **Svenning, J.-C.**) 2024. The alien Chinese windmill palm (*Trachycarpus fortunei*) impacts forest vegetation and regeneration on the southern slope of the European Alps. *Applied Vegetation Science* 27:e12765.
536. Zymarioieva, A., Kolomyichuk, V., Fedoniuk, T., Goncharenko, I., Borsuk, O., Melnychuk, T. & **Svenning, J.-C.** 2023. Post-fire recovery of vegetation in the Chernobyl Radiation and Ecological Biosphere Reserve. *International Journal of Environmental Studies*, DOI: 10.1080/00207233.2023.2287345.
535. Nikulina, A., *et al.* (incl. **Svenning, J.-C.**) 2024. Hunter-gatherer impact on European interglacial vegetation: a modelling approach. *Quaternary Science Reviews* 324:108439.
534. Bergin, M.D., Jensen, M. & **Svenning, J.-C.** 2024. Mapping rewilding potential – a systematic approach to prioritise areas for rewilding in human-dominated regions. *Journal for Nature Conservation* 77:126536.
533. Kerr, M.R., Ordonez G., A., Riede, F. & **Svenning, J.-C.** 2024. A biogeographic-macroecological perspective on the rising novelty of the biosphere in the Anthropocene. *Journal of Biogeography* 51:575-587.
532. Pearce, E.A., Mazier, F., Normand, S., Fyfe, R., Andrieu, V., Bakels, C. *et al.* & **Svenning, J.-C.** (2023). Substantial light woodland and open vegetation characterized the temperate forest biome before *Homo sapiens*. *Science Advances* 9:eadi9135.
531. Ahmed, A.S., Chala, D., *et al.* (incl. **Svenning, J.-C.**) 2023. Potential changes in the extent of suitable habitats for geladas (*Theropithecus gelada*) in the Anthropocene. *BMC Ecology and Evolution* 23:65.
530. Alsos, I.G., *et al.* (incl. **Svenning, J.-C.**) 2024. Ancient sedimentary DNA to forecast trajectories of ecosystem under climate change. *Philosophical Transactions of the Royal Society B: Biological Sciences* 379: 20230017.
529. Bergman, J., Pedersen, R.Ø. Lundgren, E.J., Lemoine, R.T., Monsarrat, S., Pearce, E.A., Schierup, M.H., & **Svenning, J.-C.** 2023. Worldwide Late Pleistocene and Early Holocene population declines in extant megafauna are associated with *Homo sapiens*' expansion rather than climate change. *Nature Communications* 14:7679.
528. Guo, W.-Y., Serra-Diaz, J., Eiserhardt, W., Maitner, B., Merow, C., Violle, C., Pound, M., Sun, M., Slik, J.W.F., Blach-Overgaard, A., Enquist, B. & **Svenning, J.-C.** 2023. Climate change and land use threaten global hotspots of phylogenetic endemism for trees. *Nature Communications* 14:6950.
527. Davoli, M., Monsarrat, S., Pedersen, R.Ø., Scussolini, P., Karger, D.N., Normand, S. & **Svenning, J.-C.** 2024. Megafauna diversity and functional declines in Europe from the Last Interglacial to the present. *Global Ecology & Biogeography* 33:34–47.
526. Wang, L., Cromsigt, J.P.G.M., Buitenwerf, R., Lundgren, E.J., Li, W., Bakker, E.S. & **Svenning, J.-C.** 2023. Tree cover and its heterogeneity in natural ecosystems is linked to large herbivore biomass globally. *One Earth* 6:1759-1770.
525. Kusomoto, B., Chao, A., Eiserhardt, W.L., **Svenning, J.-C.**, Shiono, T., & Kubota, Y. 2023. Occurrence-based diversity estimation reveals macroecological and conservation knowledge gaps for global woody plants. *Science Advances* 9:eadh9719.
524. Hoeks, S. *et al.* (incl. **Svenning, J.-C.**) 2023. Shifts in ecosystem equilibria following trophic rewilding. *Diversity and Distributions* 29:1512-1526.
523. Jin, L. *et al.* (incl. **Svenning, J.-C.**) 2024. Stronger latitudinal phylogenetic patterns in woody angiosperm assemblages with higher dispersal abilities in China. *Journal of Biogeography* 51:269–279.
522. Mo, L., *et al.* (incl. **Svenning, J.-C.**) 2023. Integrated global assessment of the natural forest carbon potential. *Nature* 624:92-101.

521. Ma, H., *et al.* (incl. **Svenning, J.-C.**) 2023. The global biogeography of tree leaf form and habit. *Nature Plants* 9:1795-1809.
520. Ma, F., *et al.* (incl. **Svenning, J.-C.**) 2024. Opposing effects of warming on the stability of above- and below-ground productivity in facing an extreme drought event. *Ecology*, 105:e4193.
519. Lemoine, R.T., Buitenwerf, R. & **Svenning, J.-C.** 2023. Megafauna extinctions in the late-Quaternary are linked to human range expansion, not climate change. *Anthropocene* 44:100403.
518. Essl, F., García-Rodríguez, A., Lenzner, B., Alexander, J.M., Capinha, C., Gaüzère, P., Guisan, A., Kühn, I., Lenori, J., Richardson, D.M., Rumpf, S.B., **Svenning, J.-C.**, Thuiller, W., Zurrell, D. & Dullinger, S. 2024. Potential sources of time lags in calibrating species distribution models. *Journal of Biogeography* 51:89–102.
517. Aznarez, C., **Svenning, J.-C.**, Pacheco, J.P., Kallesøe, F.H., Baró, F. & Pascual, U. 2023. Luxury and legacy effects on urban biodiversity, vegetation cover and ecosystem services. *npj Urban Sustainability* 3:47.
516. Herrik, A., Mogensen, N., **Svenning, J.-C.** & Buitenwerf, R. 2023. Rotational grazing with cattle-free zones supports the coexistence of cattle and wild herbivores in African rangelands. *Journal of Applied Ecology* 60:2154–2166.
515. Sanchez-Martinez, P., Mencuccini, M., García-Valdés, R., Hammond, W.M., Serra-Diaz, J.M., Guo, W.-Y., Segovia, R.A., Dexter, K.G., **Svenning, J.-C.**, Allen, C. & Martínez-Vilalta, J. 2023. Increased hydraulic risk in assemblages of woody plant species predicts spatial patterns of drought-induced mortality. *Nature Ecology & Evolution* 7:1620-1632.
514. Brown, K., Bunting, M.J., Carvalho, F., de Bello, F., Mander, L., Marcisz, K., Mottl, O., Reitalu, T. & **Svenning, J.-C.** 2023. Trait-based approaches as ecological time machines: developing tools for reconstructing long-term variation in ecosystems. *Functional Ecology* 37:2552–2569.
513. Delavaux, C.S., *et al.*, **Svenning, J.-C.**, *et al.* 2023. Native diversity buffers against severity of non-native tree invasions. *Nature* 621:773-781.
512. Mungi, N.A., Jhala, Y.V., Qureshi, Q., Le Roux, E. & **Svenning, J.-C.** 2023. Megaherbivores provide biotic resistance against alien plant dominance. *Nature Ecology & Evolution* 7:1645-1653.
511. Pedersen, R.Ø, Faurby, S., & **Svenning, J.-C.** 2023. Late-Quaternary megafauna extinctions have strongly reduced mammalian vegetation consumption. *Global Ecology & Biogeography* 32:1814-1826.
510. Horsdal, H.T., *et al.*, **Svenning, J.-C.**, *et al.* 2023. Perspectives on environment and health research in Denmark. *Scandinavian Journal of Public Health*, <https://doi.org/10.1177/14034948231117>.
509. Menezes, R.F., **Svenning, J.-C.**, *et al.* 2023. Fish beta diversity patterns across environmental gradients in 63 European shallow lakes: effects of turbidity, nutrient enrichment, and exotic species. *Water* 15:1831.
508. Hordijk, I., *et al.*, **Svenning, J.-C.**, *et al.* 2023. Evenness mediates the global relationship between forest productivity and richness. *Journal of Ecology* 111:1308-1326.
507. Teng, S., **Svenning, J.-C.** & Xu, C. 2023. Large mammals and trees in eastern monsoonal China: anthropogenic losses since the Late Pleistocene and restoration prospects in the Anthropocene. *Biological Reviews* 98:1607-1632.
506. Maitner, B., Gallagher, R., **Svenning, J.-C.**, *et al.* & Eiserhardt, W.L. 2023. A global assessment of the Raunkiaerian shortfall in plants: geographic biases in our knowledge of plant traits. *New Phytologist* 240:1345-1354.
505. Li, W., *et al.*, Li, C. & **Svenning, J.-C.** 2023. How do rotifer communities respond to floating photovoltaic systems in the subsidence wetlands created by underground coal mining in China? *Journal of Environmental Management* 339:117816.
504. Magalhães, A.R., *et al.*, **Svenning, J.-C.**, *et al.* & Gonçalves-Souza, T. 2023. Neglected tropical diseases risk correlates with poverty and early ecosystem destruction. *Infectious Diseases of Poverty* 12:32.

503. Saavedra, D., Fernández, N. & **Svenning, J.-C.** 2023. Addressing challenges for large-scale trophic rewilding. *Journal for Nature Conservation* 73:126382.
502. Lenton, T.M., Xu, C., *et al.*, **Svenning, J.-C.** & Scheffer, M. 2023. Quantifying the human cost of global warming. *Nature Sustainability* 6:1237–1247.
501. Schmitz, O.J., Sylven, M., Atwood, T.B., Bakker, E.S., Berzaghi, F., Brodie, J.F., Cromsigt, J.P.G.M., Davies, A.B., Leroux, S.J., Schepers, F.J., Smith, F.A., Stark, S., **Svenning, J.-C.**, Tilker, A. & Ylänne, H. 2023. Trophic rewilding can expand natural climate solutions. *Nature Climate Change* 13:324-333.
500. Li, L., Teng, S.N., *et al.*, **Svenning, J.-C.** & Xu, C. 2023. Neighborhood landscape context shapes local species richness patterns across continents. *Global Ecology & Biogeography* 32:867-880.
499. Zhang, L., *et al.*, **Svenning, J.-C.** & Xie, P. 2023. To save sturgeons, we need river channels around hydropower dams. *Proceedings of the National Academy of Science USA* 120:e2217386120.
498. Pulido, F., *et al.*, **Svenning, J.-C.**, *et al.* 2023. Widespread latitudinal asymmetry in the performance of marginal populations: a meta-analysis. *Global Ecology & Biogeography* 32:842-854.
497. Bonavent, C., Olsen, K., Ejrnæs, R., Fløjgaard, C., Hansen, M.D.D., Normand, S., **Svenning, J.-C.** & Bruun, H.H. 2023. Grazing by semi-feral cattle and horses supports plant species richness and uniqueness in grasslands. *Applied Vegetation Science* 26:e12718.
496. Vogel, S.M, Vasudev., D., Ogutu, J.O., Taek, P., *et al.* & **Svenning, J.-C.** 2023. Identifying sustainable coexistence potential by integrating willingness-to-coexist with habitat suitability assessments. *Biological Conservation* 279:109935.
495. Brom, P., Engemann, K., Breed, C., *et al.* & **Svenning, J.-C.** 2023. A decision support tool for green infrastructure planning in the face of rapid urbanization. *Land* 12:415.
494. Thomassen, E.E., Sigsgaard, E.E., Jensen, M.R., Olsen, K., Hansen, M.D.D., **Svenning, J.-C.** & Thomsen, P.F. 2023. Contrasting seasonal patterns in diet and dung-associated invertebrates of feral cattle and horses in a rewilding area. *Molecular Ecology* 32:2071-2091.
493. Dunn-Capper, R. Quaas, M., Sandom, C.J., **Svenning, J.-C.** & Pereira, H.M. 2023. Applying conventional funding mechanisms to rewilding: the opportunities and challenges for funding rewilding in Europe. *Restoration Ecology* 31:e13884.
492. Kambach, S. *et al.*, **Svenning, J.-C.**, *et al.* 2023. Climate-trait relationships exhibit strong habitat specificity in plant communities across Europe. *Nature Communications* 14:712.
491. Li, W., Guo, W.Y., Pasgaard, M., Niu, Z., *et al.* & **Svenning, J.-C.** 2023. Human fingerprint on structural density of forests globally. *Nature Sustainability* 6:368-379.
490. Zymarioieva, A., Bondarev, D., Kunakh, O., **Svenning, J.-C.** & Zhukov, O. 2023. Which fish benefit from the combined influence of eutrophication and warming in the Dnipro River (Ukraine)? *Fishes* 8:14.
489. Gordon, C.E., Greve, M., Henley, M., Bedetti, A., Allin, P. & **Svenning, J.-C.** 2023. Elephant rewilding affects landscape openness and fauna habitat across a 92-year period. *Ecological Applications* 33:e2810.
488. Wang, L., Pedersen, P.B.M. & **Svenning, J.-C.** 2023. Rewilding abandoned farmland has greater sustainability benefits than afforestation. *npj Biodiversity* 2:5.
487. Klassen, L., *et al.*, **Svenning, J.-C.**, *et al.* 2023. Ginnerup revisited: New excavations at a key Neolithic site on Djursland, Denmark. *Journal of Neolithic Archaeology* 25:35–65.
486. Wallach, A.D., *et al.*, **Svenning, J.-C.**, Avidor, E. & Lundgren, E. 2023. Prey are savvy about introduced predators. *Conservation Biology* 37:e14012.
485. Kalusová, V., Chytrý, M., Večeřa, M., **Svenning, J.-C.**, *et al.* 2023. Plant invasion of neophytes in European heathlands and scrub. *Biological Invasions* 25:1739–1765.
484. Auffret, A.G. & **Svenning, J.-C.** 2022. Climate warming has compounded plant community responses to habitat conversion in northern Europe. *Nature Communications* 13:7818.

483. Olsen, K., **Svenning, J.-C.** & Balslev, H. 2022. Climate change is driving shifts in dragonfly species richness across Europe via differential dynamics of taxonomic and biogeographic groups. *Diversity* 14:1066.
482. Tyrrell, P., *et al.*, **Svenning, J.-C.**, Macdonald, D.W., du Toit, J.T. & Kamanga, J. 2022. Wide-scale subdivision and fencing of southern Kenyan rangelands jeopardises biodiversity conservation and pastoral livelihoods: demonstration of utility of open-access landDX database. *Frontiers in Conservation Science* 3, <https://doi.org/10.3389/fcosc.2022.889501>.
481. Zymarioieva, A., Zhukov, O., Fedoniuk, T. & **Svenning, J.-C.** 2022. Strong decline in breedingbird community abundance throughout habitats in the Azov Region (southeastern Ukraine) linked to land use intensification and climate. *Diversity* 14:1028.
480. Fricke, E.C., Hsieh, C., Middleton, O., Gorczynski, D., Capello, C.D., Sanisidro, O., Rowan, J., **Svenning, J.-C.** & Beaudrot, L. 2022. Collapse of terrestrial mammal food webs since the Late Pleistocene. *Science* 377:1008–1011.
479. Liang, J., Gamarra, J.G.P., Picard, N., Zhou, M., Pijanowski, B., Jacobs, D.F., Reich, P.B., Crowther, T.W., Nabuurs, G.J., de-Miguel, S., Fang, J., Woodall, C.W., **Svenning, J.-C.**, *et al.* 2022. Co-limitation toward lower latitudes shapes global forest diversity gradients. *Nature Ecology & Evolution* 6:1423–1437.
478. Aznarez, C., **Svenning, J.-C.**, Taveira, G., Baró, F. & Pascual, U. 2022. Wildness and habitat quality drive spatial patterns of urban biodiversity. *Landscape and Urban Planning* 228:104570.
477. Olsen, K., **Svenning, J.-C.** & Balslev, H. 2022. Niche breadth predicts geographical range size and northern range shift in European dragonfly species (Odonata). *Diversity* 14:719.
476. Silva, F., Coward, F., Davies, K., Elliott, S., Jenkins, E., Newton, A.C., *et al.*, **Svenning, J.-C.**, *et al.* 2022. Developing transdisciplinary approaches to sustainability challenges: the need to model socio-environmental systems in the longue durée. *Sustainability* 14:10234.
475. Løvschal, M., Juul Nørmark, M., **Svenning, J.-C.** & Wall, J. 2022. New land tenure fences are still cropping up in the Greater Mara. *Scientific Reports* 12:11064.
474. Faurby, S., Pedersen, R.Ø., **Svenning, J.-C.** & Antonelli, A. 2022. The counteracting effects of human-driven speciation and extinction on mammal species richness and phylogenetic diversity. *Global Ecology & Biogeography* 31:1810-1823.
473. Guo, W.-Y., Serra-Diaz, J.M., *et al.* & **Svenning, J.-C.** 2022. High exposure of global tree diversity to human pressure. *Proceedings of the National Academy of Science USA* 119:e2026733119.
472. Trouwborst, A. & **Svenning, J.-C.** 2022. Megafauna restoration as a legal obligation: International biodiversity law and the rehabilitation of large mammals in Europe. *Review of European, Comparative and International Environmental Law* 31:182-198.
471. Rudbeck, A., *et al.*, **Svenning, J.-C.** & Eiserhardt, W.L. 2022. The Darwinian shortfall in plants: phylogenetic knowledge is driven by range size. *Ecography*, e06142.
470. Ren, H., **Svenning, J.-C.**, Mi, X., Lutz, J., Zhou, J. & Ma, K. 2022. Scale-dependent species-area relationship: niche-based versus stochastic processes in a typical subtropical forest. *Journal of Ecology* 110:1883-1895.
469. Peters, C., Richter, K.K., **Svenning, J.-C.** & Boivin, N. 2022. Conservation palaeoproteomics: using ancient proteins to inform conservation and restoration strategies. *iScience* 25:104195.
468. Feng, X., *et al.*, **Svenning, J.-C.**, *et al.* 2022. A review of the heterogeneous landscape of biodiversity databases: opportunities and challenges for a synthesized biodiversity knowledge base. *Global Ecology and Biogeography* 31:1242-1260.
467. Si, X., Cadotte, M., Davies, J., Antonelli, A., Ding, P., **Svenning, J.-C.** & Faurby, S. 2022. Phylogenetic and functional clustering illustrate the roles of adaptive radiation and dispersal filtering in jointly shaping late-Quaternary mammal assemblages on oceanic islands. *Ecology Letters* 25:1250-1262.
466. Sales, L.P., Galetti, M., Carnaval, A., Monsarrat, S., **Svenning, J.-C.** & Pires, M.M. 2022. The effect of past defaunation on ranges, niches, and future biodiversity forecasts. *Global Change Biology* 28:3683-3693.

465. Fricke, E.C., Ordonez, A., Rogers, H.S. & & **Svenning, J.-C.** 2022. The effects of defaunation on plants' capacity to track climate change. *Science* 375:210-214.
464. Malhi, Y., *et al.*, **Svenning, J.-C.** & Canney, S. 2022. The role of large wild animals in climate change mitigation and adaptation. *Current Biology* 32:R181-R196.
463. Gatti, C., *et al.*, **Svenning, J.-C.**, *et al.* 2022. The number of tree species on Earth. *Proceedings of the National Academy of Science USA* 119:e2115329119.
462. Lemoine, R. & **Svenning, J.-C.** 2022. Nativeness is not binary - a graduated terminology for native and non-native species in the Anthropocene. *Restoration Ecology*, e13636.
461. Florentin, J.E., Salas, R.M., Jarvie, S., **Svenning, J.-C.** & Díaz Gomez, J.M. 2022. Areas of endemism and conservation status of *Galianthe* species (Spermacoceae, Rubiaceae) in the Neotropics. *Systematics and Biodiversity* 20:2025946.
460. Vynne, C., *et al.* & **Svenning, J.-C.** 2022. An ecoregion-based approach to restoring the world's intact large mammal assemblages. *Ecography*, DOI: 10.1111/ecog.06098.
459. Wang, W.-t., *et al.* & **Svenning, J.-C.** 2022. Anthropogenic climate change increases vulnerability of *Magnolia* species more in Asia than in the Americas. *Biological Conservation* 265:109425.
458. Nikulina, A., *et al.*, **Svenning, J.-C.**, *et al.* 2022. Tracking hunter-gatherer impact on interglacial vegetation in Last Interglacial and Holocene Europe: proxies and challenges. *Journal of Archaeological Method and Theory* 29:989–1033.
457. Gaisberger, M. *et al.*, **Svenning, J.-C.**, *et al.* 2022. Tropical and subtropical Asia's valued tree species under threat. *Conservation Biology* 36:e13873.
456. Tyrrell, P., *et al.*, **Svenning, J.-C.**, *et al.* 2022. Landscape Dynamics (landDX) an open-access spatial-temporal database for the Kenya-Tanzania borderlands. *Scientific Data* 9:8
455. Kristensen, J.A., **Svenning, J.-C.**, Georgiou, K. & Malhi, Y. 2022. Can large herbivores enhance ecosystem carbon persistence? *Trends in Ecology and Evolution* 37:117-128.
454. Fløjgaard, C., Pedersen, P.B.M., Sandom, C.J., **Svenning, J.-C.** & Ejrnæs, R. 2022. Exploring a natural baseline for large-herbivore biomass using the scaling relationship with primary productivity. *Journal of Applied Ecology* 59:18-24.
453. Vogel, S.M., Pasgaard, M. & **Svenning, J.-C.** 2022. Joining forces toward proactive elephant and rhinoceros conservation. *Conservation Biology* 36:e13726.
452. Perino, A., *et al.* **Svenning, J.-C.**, *et al.* 2021. Closing the gap between global targets and national-level implementation. *Conservation Letters* 15:e12848.
451. Li, W., Guo, W., Qin, Y., Wang, L., Niu, Z. & **Svenning, J.-C.** 2021. Mapping spatio-temporal patterns in global tree cover heterogeneity: Links with forest degradation and recovery. *International Journal of Applied Earth Observation and Geoinformation* 104:102583.
450. Berti, E., Davoli, M., Buitenwerf, R., Dyer, A., Hansen, O.L.P., Hirt, M., **Svenning, J.-C.**, *et al.* 2021. The R package enerscape: a general energy landscape framework for terrestrial movement ecology. *Methods in Ecology and Evolution*, DOI: 10.1111/2041-210X.13734.
449. Engemann, K., **Svenning, J.-C.**, *et al.* 2021. A life course approach to understanding associations between natural environments and mental well-being for the Danish blood donor cohort. *Health & Place* 72:102678.
448. Troiano, C., *et al.*, **Svenning, J.-C.**, Fulgione, D. 2021. Traditional free-ranging livestock farming as a management strategy for biological and cultural landscape diversity: a case from the southern Apennines. *Land* 10:957.
447. Monsarrat, S. & **Svenning, J.-C.** 2021. Using recent baselines as benchmarks for megafauna restoration places an unfair burden on the Global South. *Ecography*, <https://doi.org/10.1111/ecog.05795>.
446. Liu, Q, Zhang, Q., Jarvie, S., Yan, Y., Peng, H., *et al.*, & & **Svenning, J.-C.** 2021. Ecosystem restoration through aerial seeding – interacting plant-soil microbiome effects on soil multifunctionality. *Land Degradation & Development* 32:5334-5347.

445. Conradi, T., Henriksen, M.V.J. & **Svenning, J.-C.** 2021. Global change, novel ecosystems and the ecological restoration of post-industrial areas: the case of a former brown coal mine in Søby, Denmark. *Applied Vegetation Science* 24:e12605.
444. Cao, K., **Svenning, J.-C.**, Yan, C., Zhang, J.-T., Mi, X. & Ma, K. 2021. Undersampling correction methods to control γ -dependence for comparing β -diversity between regions. *Bulletin of the Ecological Society of America* 102:e01922.
443. Li, C., Wang, X., Zhang, B., Cui, P., Feng, G. & **Svenning, J.-C.** 2021. Decomposing multiple β -diversity reveals non-random assembly of the waterbird communities across anthropogenic subsidence wetlands. *Diversity and Distributions*, DOI: 10.1111/ddi.13396.
442. Jung, M., *et al.*, **Svenning, J.-C.**, *et al.* & Visconti, P. 2021. Areas of global importance for conserving terrestrial biodiversity, carbon, and water. *Nature Ecology & Evolution* 5:1499–1509.
441. Yin, X., Qian, H., Sui, X., Zhang, M., Mao, L., **Svenning, J.-C.**, Ricklefs, R.E. & He, F. 2021. Effects of climate and topography on the diversity anomaly of plants disjunctly distributed in eastern Asia and eastern North America. *Global Ecology & Biogeography* 30:2029-2042.
450. Yin, X., Jarvie, S., Guo, W.-Y., Deng, T., Mao, L., Zhang, M., Chu, C., Qian, H., **Svenning, J.-C.** & He, F. 2021. Niche overlap and divergence times support niche conservatism in eastern Asia-eastern North America disjunct plants. *Global Ecology & Biogeography* 30:1990-2003.
439. Cao, K., **Svenning, J.-C.**, Yan, C., Zhang, J., Mi, X. & Ma, K. 2021. Undersampling correction methods to control γ -dependence for comparing β -diversity between regions. *Ecology* 102:e03448.
438. Pouteau, R., *et al.*, **Svenning, J.-C.**, *et al.* 2021. Potential alien ranges of European plants will shrink in the future, but less so for already naturalized than for not yet naturalized species. *Diversity and Distributions* 27:2063-2076.
437. Neves, D.M., Kerkhoff, A.J., Echeverría-Londoño, S., Merow, C., Morueta-Holme, N., Peet, R.K., Sandel, B., **Svenning, J.-C.**, Wiser, S.K. & Enquist, B.J. 2021. The adaptive challenge of extreme conditions shapes evolutionary diversity of plant assemblages at continental scales. *Proceedings of the National Academy of Science USA* 118:e2021132118.
436. Mata, J., Buitenwerf, R.J. & **Svenning, J.-C.** 2021. Enhancing monitoring of rewilding progress through wildlife tracking and remote sensing. *PLoS One* 16:e0253148.
435. Sabatini, F.M., *et al.*, **Svenning, J.-C.**, *et al.* 2021. sPlotOpen – An environmentally-balanced, open-access, global dataset of vegetation plots. *Global Ecology & Biogeography* 30:1740-1764.
434. Wang, X., **Svenning, J.-C.**, *et al.* & Zhang, J. 2021. Regional effects of plant diversity and biotic homogenization in urban greenspace – the case of university campuses across China. *Urban Forestry & Urban Greening* 62:127170.
433. Cao, K., *et al.* & **Svenning, J.-C.** 2021. Species packing and the latitudinal gradient in beta-diversity. *Proceedings of the Royal Society B: Biological Sciences* 288:20203045.
432. Jensen, D.A. & **Svenning, J.-C.** 2021. Population ecology and dynamics of a remnant natural population of European yew (*Taxus baccata*) in a lowland temperate forest – implications for use in reforestation. *Nordic Journal of Botany* 39: <https://doi.org/10.1111/njb.03167>.
431. Fristoe, T. *et al.*, **Svenning, J.-C.**, *et al.* 2021. Dimensions of invasiveness: links between abundance, geographic range size and habitat breadth in Europe's alien and native floras. *Proceedings of the National Academy of Science USA* 118:e2021173118.
430. Pouteau, R., *et al.*, **Svenning, J.-C.**, *et al.* 2021. Climate and socio-economic factors explain differences between observed and expected naturalization patterns of European plants around the world. *Global Ecology & Biogeography* 30:1514-1531.
429. Van Meerbeek, K., Jucker, T. & **Svenning, J.-C.** 2021. Unifying the concepts of stability and resilience in ecology. *Journal of Ecology* 109:3114-3132.
428. Ellis, E.C., Gauthier, N., Goldewijk, K.K., Bird, R.B., Boivin, N., Díaz, S., Fuller, D.Q., Gill, J.L., Kaplan, J.O., Kingston, N., Locke, H., McMichael, C.N.H., Ranco, D., Rick, T.C., Shaw, M.R., Stephens, L., **Svenning, J.-C.** & Watson, E.M. 2021. People have shaped most of terrestrial nature for at least 12,000 years. *Proceedings of the National Academy of Science USA* 118:e2023483118.

427. Gordon, C.E., Lerm, R.E., Allin, P., Greve, M. & **Svenning, J.-C.** 2021. Elephant rewilding indirectly affects the abundance of an arboreal but not generalist savanna lizard. *Biodiversity and Conservation* 30:1277–1291.
426. Wagner, V., Večeřa, M., Jiménez-Alfaro, B., Pergl, J., Lenoir, J., **Svenning, J.-C.**, Pyšek, P., Agrillo, E., Biurrun, I., Campos, J.A., Ewald, J., Fernández-González, F., Jandt, U., Rašomavičius, V., Šilc, U., Škvorc, Z., Vassilev, K., Wohlgemuth, K. & Chytrý, M. 2021. Alien plant invasion hotspots and invasion debt in European woodlands. *Journal of Vegetation Science* 32:e13014.
425. Carver, S., Convery, I., Hawkins, S., Beyers, R., Eagle, A., Kun, Z., Van Maanen, E., Cao, Y., Fisher, M., Edwards, S., Nelson, C., Gann, G., Shurter, S., Aguilar, K., Adrade, A., Ripple, B., Davis, J., Sinclair, T., Bekoff, M., Noss, R., Foreman, D., Pettersson, H., Root-Bernstein, M., **Svenning, J.-C.**, Taylor, P., Wynne-Jones, S., Featherstone, A.W., Fløjgaard, C., Stanley-Price, M., Navarro, L., Aykroyd, T., Parfitt, A. & Soulé, M. 2021. Guiding principles for rewilding. *Conservation Biology* 35:1882-1893.
424. Mi, X., Feng, G., Hu, Y., Zhang, J., Chen, L., Corlett, R.T., Hughes, A.C., Pimm, S., Schmid, B., Shi, S., **Svenning, J.-C.** & Ma, K. 2021. The global significance of biodiversity science in China: an overview. *National Science Review* 8: nwab032.
423. Wang, H., Xu, C., Liu, Y., Jeppesen, E., **Svenning, J.-C.**, *et al.* 2021. From unusual suspect to serial killer: Cyanotoxins boosted by climate change may jeopardize African megafauna. *The Innovation* 2:100092.
422. Velazco, S.J.E., **Svenning, J.-C.**, Ribeiro, B.R. & Laureto, L.M.O. 2021. On opportunities and threats to conserve the phylogenetic diversity of Neotropical palms. *Diversity and Distributions* 27:512-523
421. Axmanová, I. *et al.*, **Svenning, J.-C.**, *et al.* 2021. Neophyte invasions in European grasslands. *Journal of Vegetation Science* 32:e12994.
420. Pérez-Navarro, M.A., Serra-Diaz, J.M., **Svenning, J.-C.**, Esteve, M.A., Hernández-Bastida, J. & Lloret, F. 2021. Extreme drought reduces climatic disequilibrium in dryland plant communities. *OIKOS* 130: 680-690.
419. Swanson, H.A.*, **Svenning, J.-C.***, Saxena, A., Muscarella, R., Franklin, J., Garbelotto, M., Mathews, A.S., Saito, O., Schnitzler, A.E., Serra-Diaz, J.M. & Tsing, A.L. 2021. History as grounds for interdisciplinarity: Promoting sustainable woodlands through an integrative ecological and socio-cultural historical perspective. *One Earth* 4:226-237. *contributed equally.
418. Cai, Q., *et al.*, **Svenning, J.-C.**, *et al.* 2021. The relationship between niche breadth and range size of beech (*Fagus*) species worldwide. *Journal of Biogeography* 48: 1240-1253
417. Song, H., Ordonez, A., **Svenning, J.-C.**, Qian, H., Yin, X., Mao, L., Deng, T. & Zhang, J. 2021. Regional disparity in extinction risk: comparison of disjunct plant genera between eastern Asia and eastern North America. *Global Change Biology* 27:1904-1914.
416. Schowanek, S.D., Davis, M., Lundgren, E.J., Middleton, O., Rowan, J., Pedersen, R.Ø., Ramp, D., Sandom, C.J. & **Svenning, J.-C.** 2021. Reintroducing extirpated herbivores could partially reverse the late Quaternary decline of large and grazing species. *Global Ecology and Biogeography* 30:896-908.
415. Lundgren, E.J., Schowanek, S.D., Rowan, J., Middleton, O., Davis, M., Ramp, D., Pedersen, R.Ø., Wallach, A.D. & **Svenning, J.-C.** 2021. Functional traits of the world's late Quaternary large-bodied avian and mammalian herbivores. *Scientific Data* 8:17.
414. Jensen, D.A., Raod, M., Zhang, J., Grøn, M., Tian, S., Ma, K. & **Svenning, J.-C.** 2021. The potential for using rare, native species in reforestation– a case study of yews (*Taxaceae*) in China. *Forest Ecology and Management* 482:118816.
413. Wang, W.-T., Guo, W.-Y., Jarvie, S. & **Svenning, J.-C.** 2021. The fate of *Meconopsis* species in the Tibeto-Himalayan region under future climate change. *Ecology and Evolution* 11:887-899.
412. Padullés Cubino, P. *et al.* **Svenning, J.-C.**, *et al.* 2021. Phylogenetic structure of European forest vegetation. *Journal of Biogeography* 48:903-916.

411. Williams, J.W., Ordonez, A.O. & **Svenning, J.-C.** 2021. A unifying framework for studying and managing climate-driven rates of ecological change. *Nature Ecology & Evolution* 5:17–26.
410. Sigsgaard, E.E., Olsen, K., Hansen, M.D.D., Hansen, O.L.P., Høye, T.T., **Svenning, J.-C.**, Thomsen, P.F. 2021. Environmental DNA metabarcoding of cow dung reveals taxonomic and functional diversity of invertebrate assemblages. *Molecular Ecology* 30:3374–3389.
409. Rech, A.R., Ollerton, J., Dalsgaard, B., Ré Jorge, L., Sandel, B., **Svenning, J.-C.**, Baronio, G.J. & Sazima, M. 2021. Population-level plant pollination mode is influenced by Quaternary climate and pollinators. *Biotropica* 53:632–642
408. Seliger, B., McGill, B.J., **Svenning, J.-C.** & Gill, J.L. 2021. Widespread underfilling of the potential ranges of North American trees. *Journal of Biogeography* 48:359–371.
407. Couvreur T.L.P., Dauby G., Blach-Overgaard A., *et al.*, **Svenning J.-C.**, *et al.* 2021. Tectonics, climate and the diversification of the tropical African terrestrial flora and fauna. *Biological Reviews* 96:16–51.
406. Li, W., Buitenwerf, B., Chequín, R.N., Florentín, J.E., Salas, R.M., Mata, J.M., Wang, L., Niu, Z. & **Svenning, J.-C.** 2020. Complex causes and consequences of rangeland greening in South America – multiple interacting natural and anthropogenic drivers and simultaneous ecosystem degradation and recovery trends. *Geography and Sustainability* 1:304–316.
405. Berti, E., Monsarrat, S., Munk, M., Jarvie, S. & **Svenning, J.-C.** 2020. Body size is a good proxy for vertebrate charisma. *Biological Conservation* 251:108790.
404. Nagy-Reis, M.B. *et al.*, **Svenning J.-C.**, *et al.* 2020. NEOTROPICAL CARNIVORES: a data set on carnivore distribution in the Neotropics. *Ecology* 101:e03128.
403. Lim, J.Y., **Svenning, J.-C.**, Gödel, B., Faurby, S. & Kissling, W.D. 2020. Frugivore-fruit size relationships between palms and mammals reveal past and future defaunation impacts. *Nature Communications* 11:4904.
402. Fricke, E.C. & **Svenning, J.-C.** 2020. Accelerating homogenization of the global plant–frugivore meta-network. *Nature* 585:74–78.
401. Berti, E. & **Svenning, J.-C.** 2020. Megafauna extinctions have reduced biotic connectivity worldwide. *Global Ecology and Biogeography* 29:2131–2142.
400. Ahmadi, K., Alavi, S.J., Amiri, G.Z., Hosseini, S.M., Serra-Dias, J.M. & **Svenning, J.-C.** 2020. The potential impact of future climate on the distribution of European yew (*Taxus baccata* L.) in the Hyrcanian Forest region (Iran). *International Journal of Biometeorology* 64:1451–1462.
399. Hoeks, S., Huijbregts, M.A.J., Busana, M., Harfoot, M.B.J., **Svenning, J.-C.** & Santini, L. 2020. Mechanistic insights into the role of large carnivores for ecosystem structure and functioning. *Ecography* 43:1752–1763.
398. Fehr, V., Buitenwerf, R.J. & **Svenning, J.-C.** 2020. Non-native palms (Arecaceae) as generators of novel ecosystems – a global assessment. *Diversity and Distributions* 26:1523–1538.
397. Li, W., Buitenwerf, R., Munk, M., Bøcher, P.K. & **Svenning, J.-C.** 2020. Deep-learning based high-resolution mapping shows woody vegetation densification in Greater Maasai Mara Ecosystem. *Remote Sensing of Environment* 247:111953.
396. Engemann, K., **Svenning, J.-C.**, Arge, L., Brandt, J., Erikstrup, C., Geels, C., Hertel, O., Mortensen, P.B., Plana-Ripoll, O., Tsirogiannis, C., Sabel, C.E., Sigsgaard, T. & Pedersen, C.B. 2020. Associations between growing up in natural environments and subsequent psychiatric disorders in Denmark. *Environmental Research* 188:109788.
395. Monnet, A.-C., Vorontsova, M.S., Govaerts, R.H.A., **Svenning, J.-C.** & Sandel, B. 2020. Historical legacies and ecological determinants of grass naturalizations worldwide. *Ecography* 43:1373–1385.
394. Xu, C., Kohler, T.A., Lenton, T.M., **Svenning, J.-C.** & Scheffer, M. 2020. Future of the human climate niche. *Proceedings of the National Academy of Science USA* 117:11350–11355.
393. Zohner, C.M., Mo, L., Renner, S.S., **Svenning, J.-C.**, Vitasse, Y., Benito, B.M., Ordonez, A., *et al.* & Crowther, T.W. 2020. Late spring-frost risk between 1959 and 2017 decreased in North America, but increased in Europe and Asia. *Proceedings of the National Academy of Science USA* 117:12192–12200.

392. Liu, Q., Zhang, Q., Yan, Y., Niu, J. & **Svenning, J.-C.** 2020. Ecological restoration is the dominant driver of the recent reversal of desertification in the Mu Us Desert (China). *Journal of Cleaner Production*, 268:122241
391. Brunbjerg, A.K., Bruun, H.H., Dalby, L., Classen, A.T., Fløjgaard, C., Frøslev, T.G., Hansen, O.L.P., Høye, T.T., Moeslund, J.E., **Svenning, J.-C.** & Ejrnæs, E. 2020. Multi-taxon inventory reveals highly consistent biodiversity responses to ecospace variation. *Oikos* 129:1381-1392.
390. Muscarella, R., *et al.*, **Svenning, J.-C.**, *et al.* 2020. The global abundance of tree palms. *Global Ecology and Biogeography* 29:1495-1514.
389. Ahmed, D., Ammar, E., **Svenning, J.-C.**, El-Beheiry, M. & Shaltout, K. 2020. Wild plant species in Egyptian Gardens of the Nile Region: Conservation viewpoint. *Egyptian Journal of Botany* 60: 719-732
388. Scherer, L., **Svenning, J.-C.**, Huang, J., Seymour, C., Sandel, B., Mueller, N., Kummu, M., Bekunda, M., Bruelheide, H., Hochman, Z., Siebert, S., Rueda, O. & Bodegom, P. M. van. 2020. Global priorities of environmental issues to combat food insecurity and biodiversity loss. *Science of the Total Environment* 730:139096
387. Ammar, E., Shaltout, K., **Svenning, J.-C.**, El-Beheiry, M. & Ahmed, D. 2020. Assessment of the wild plants in the Egyptian botanic gardens; Nile Region. *African Journal of Ecology* 58:874-878.
386. Engemann, K., Pedersen, C.B., Agerbo, E., Arge, L., Børglum, A.D., Erikstrup, C., Hertel, O., Hougaard, D.M., McGrath, J., Mors, O., Mortensen, P.B., Nordentoft, M., Sabel, C.E., Sigsgaard, T., Tsirogiannis, C., Vilhjálmsson, B.J., Werge, T., **Svenning, J.-C.** & Horsdal, H.T. 2020. Association between childhood green space, genetic liability, and the incidence of schizophrenia. *Schizophrenia Bulletin* 46:1629-1637.
385. Yue, K., Jarvie, S., Senior, A.M., Meerbeek, K.V., Peng, Y., Ni, X., Wu, F. & **Svenning, J.-C.** 2020. Changes in plant diversity and its relationship with productivity in response to nitrogen addition, warming, and increased rainfall. *Oikos* 129:939-952.
384. Feng, G., Zhang, J., Girardello, M., Pellissier, V. & **Svenning, J.-C.** 2020. Forest canopy height co-determines taxonomic and functional richness, but not functional dispersion of mammals and birds globally. *Global Ecology and Biogeography* 29:1350-1359.
383. Schweiger, A.H., Irl, S.D.H., **Svenning, J.-C.** & Higgins, S.I. 2020. Dynamic management needs for long-lived, sporadically recruiting plant species in human-dominated landscapes *Plants People Planet* 2:186-200.
382. Doughty, C.E., Faurby, S., Prys-Jones, T., Abraham, A., Hepp, C., Leshyk, V., Fofanov, V.Y., Nieto, N.C., **Svenning, J.-C.** & Galetti, M. 2020. Megafauna decline have reduced pathogen dispersal which may have increased emergent infectious diseases. *Ecography* 43:1107-1117
381. Klyngé, D., **Svenning, J.-C.** & Skov, F. 2020. Floristic changes in the understory vegetation of a managed forest in Denmark over a period of 23 years – possible drivers of change and implications for nature and biodiversity conservation. *Forest Ecology and Management* 466: 118128
380. Lundgren, E.J., Ramp, D., Rowan, J., Middleton, O., Schowanek, S.D., Sanisidro, O., Carroll, S.P., Davis, M., Sandom, C.J., **Svenning, J.-C.** & Wallach, A.D. 2020. Introduced herbivores restore Late Pleistocene ecological functions. *Proceedings of the National Academy of Science USA* 117:7871-7878.
379. Conradi, T., Van Meerbeek, K., Ordonez, A. & **Svenning, J.-C.** 2020. Biogeographic historical legacies in the net primary productivity of Northern Hemisphere forests. *Ecology Letters* 23:800-810.
378. Pimiento, C., Leprieur, F., Silvestro, D., Lefcheck, J.S., Albouy, C., Rasher, D.B., Davis, M., **Svenning, J.-C.** & Griffin, J.N. 2020. Functional diversity of marine megafauna in the Anthropocene. *Science Advances* 6:eaay7650
377. Moleón, M. *et al.*, **Svenning, J.-C.**, *et al.* 2020. Rethinking megafauna. *Proceedings of the Royal Society B: Biological Sciences* 287:20192643

376. Li, W., Buitenwerf, R. & **Svenning, J.-C.** 2020. Accelerating savanna degradation threatens the Maasai Mara socio-ecological system. *Global Environmental Change* 60:102030.
375. Ahmadi, K., Alavi, S.J., Zahedi Amiri, G., Hosseini, S.M., Serra-Diaz, J.M. & **Svenning, J.-C.** 2020. Patterns of density and structure of the natural population of *Taxus baccata* L. in the Hyrcanian forests of Iran. *Nordic Journal of Botany* 38:e02598.
374. Kattge, J. *et al.*, **Svenning, J.-C.**, *et al.* 2020. TRY plant trait database – enhanced coverage and open access. *Global Change Biology* 26:119-188
373. Jensen, D.A., Ma, K.P. & **Svenning, J.-C.** 2020. Steep topography buffers threatened gymnosperm species against anthropogenic pressures in China. *Ecology and Evolution* 10:1838-1855.
372. Teng, S.N., Xu, C., Teng, L. & **Svenning, J.-C.** 2020. Long-term effects of cultural filtering on megafauna species distributions across China. *Proceedings of the National Academy of Science USA* 117:486–493.
371. Hansen, O.L.P., **Svenning, J.-C.**, Olsen, K., Dupont, S., Garner, B.H., Iosifidis, A., Price, B.W. & Høye, T.T. 2020. Species-level image classification with convolutional neural network enable insect identification from habitus images. *Ecology and Evolution* 10:737– 747.
370. Schweiger, A. & **Svenning, J.-C.** 2020. Analogous losses of large animals and trees, socioecological consequences, and an integrative framework for rewilding-based megabiota restoration. *People and Nature* 2:29-41.
369. Ordonez, A. & **Svenning, J.-C.** 2020. The potential role of species and functional composition in generating historical constraints on ecosystem processes. *Global Ecology and Biogeography* 29:207-219
368. Engemann, K., **Svenning, J.-C.**, Arge, L., Brandt, J., Geels, C., Mortensen, P.B., Plana-Ripoll, O., Tsirogianis, C. & Pedersen, C.B. 2020. Natural surroundings in childhood are associated with lower schizophrenia rates. *Schizophrenia Research* 216:488-495
367. Dagallier, L.-P., Janssens, S., Dauby, G., Blach-Overgaard, A., Mackinder, B., Droissart, V., **Svenning, J.-C.**, Sosef, M., Stévant, T., Harris, D., Sonké, B., Wieringa, J., Hardy, O. & Couvreur, T. 2020. Cradles and museums of generic plant diversity across tropical Africa. *New Phytologist* 225:2196-2213.
366. Knight, C.A., Blois, J.L., Blonder, B., Macias-Fauria, M., Ordonez, A. & **Svenning, J.-C.** 2020. Community assembly and climate mismatch in Late-Quaternary eastern North American pollen assemblages. *American Naturalist* 195:166-180
365. Sandom, C.J., Middleton, O., Lundgren, E., Rowan, J., Schowanek, S.D., **Svenning, J.-C.** & Faurby, S. 2020. Trophic rewilding presents regionally specific opportunities for mitigating climate change. *Philosophical Transactions of the Royal Society B: Biological Sciences* 375:20190125
364. Pedersen, P.B.M., Ejrnæs, R., Sandel, B. & **Svenning, J.-C.** 2020. Trophic Rewilding Advancement in Anthropogenically Impacted Landscapes (TRAIL) - a framework to link conventional conservation management and rewilding. *AMBIO* 49:231-244.
363. Nüchel, J., Bøcher, P. K., & Svenning, J.C. 2019. Topographic slope steepness and anthropogenic pressure interact to shape the distribution of tree cover in China. *Applied Geography* 103:40-55.
362. Meerbeek, K., Muys, B., Schowanek, S.D. & **Svenning, J.-C.** 2019. Reconciling conflicting paradigms of biodiversity conservation: human intervention and rewilding. *BioScience* 69:997-1007.
361. Xu, W.B., **Svenning, J.-C.**, Chen, G.-K., Zhang, M.-G., Huang, J.H., Cheng, B., Ordonez, A. & Ma, K.P. 2019. Human activities have opposing effects on distributions of narrow-ranged and widespread plant species in China. *Proceedings of the National Academy of Science USA* 116:26674–26681.
360. Enquist, B.J., Feng, X., Boyle, B., Maitner, B., *et al.*, **Svenning, J.-C.** & McGill, B.J. 2019. The commonness of rarity: Global and future distribution of rarity across land plants. *Science Advances* 5:eaz0414.

359. Monsarrat, S., Jarvie, S. & **Svenning, J.-C.** 2019. Anthropocene refugia: integrating history and predictive modelling to assess the space available for biodiversity in a human-dominated world. *Philosophical Transactions of the Royal Society B: Biological Sciences* 374:20190219.
358. Pedersen, P.B.M., Olsen, J.B., Sandel, B. & **Svenning, J.-C.** 2019. Wild Steps in a semi-wild setting? Habitat selection and behavior of European bison reintroduced to an enclosure in an anthropogenic landscape. *PLoS One* 14:e0198308.
357. Kissling, W.D., *et al.* & **Svenning, J.-C.** 2019. PalmTraits 1.0, a species-level functional trait database of palms worldwide. *Scientific Data* 6:178.
356. Stévant, T., *et al.*, **Svenning, J.-C.**, *et al.* 2019. A third of the tropical African flora is potentially threatened with extinction. *Science Advances* 5:eaax9444.
355. Steidinger, B.S., *et al.*, **Svenning, J.-C.**, *et al.* 2019. Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. *Nature* 569:404–408.
354. Mimet, A., Buitenwerf, R., Sandel, B., **Svenning, J.-C.** & Normand, S. 2019. Recent global changes have decoupled species richness from specialization patterns in North American birds. *Global Ecology and Biogeography* 28:1621-1635.
353. Liang, C., Yang, G., Feng, G., Yang, F., **Svenning, J.-C.** & Yang, J. 2019. Taxonomic, phylogenetic and functional homogenization of bird communities due to land use change. *Biological Conservation* 236:37-43.
352. Perino, A., Pereira, H.M., Navarro, L.M., Fernández, N., Bullock, J.M., Ceaușu, S., Cortés-Avizanda, A., van klink, R., Kuemmerle, T., Lomba, A., Pe'er, G., Plieninger, T., Rey Benayas, J.M., Sandom, C.J., **Svenning, J.-C.** & Wheeler, H.C. 2019. Rewilding complex ecosystems. *Science* 364:eaav5570.
351. Večeřa, M., *et al.*, **Svenning, J.-C.**, *et al.* 2019. Alpha diversity of vascular plants in European forests. *Journal of Biogeography* 46:1919–1935
350. Chala, D., Roos, C., **Svenning, J.-C.** & Zinner, D. 2019. Species-specific effects of climate change on the distribution of suitable baboon habitats – ecological niche modeling of current and Last Glacial Maximum conditions. *Journal of Human Evolution* 132:215-226.
349. Girardello, M., Santangeli, A., Mori, E., Chapman, A., Fattorini, S., Naidoo, R., Bertolino, S. & **Svenning, J.-C.** 2019. Global synergies and trade-offs between multiple dimensions of biodiversity and ecosystem services. *Scientific Reports* 9:5636.
348. Feng, G., Ma, Z., Sandel, B., Mao, L., Normand, S., Ordonez, A. & **Svenning, J.-C.** 2019. Species and phylogenetic endemism in angiosperm trees across the Northern Hemisphere is jointly shaped by modern climate and glacial-interglacial climate change. *Global Ecology and Biogeography* 28:1393-1402.
347. Moeslund, J.E., Zlinszky, A., Ejrnæs, R., Brunbjerg, A.K., Bøcher, P.K., **Svenning, J.-C.** & Normand, S. 2019. LIDAR explains diversity of plants, fungi, lichens and bryophytes across multiple habitats and large geographic extent. *Ecological Applications* 29:e01907
346. McFadden, I., Sandel, B., Tsirogianis, C., Morueta-Holme, N., **Svenning, J.-C.**, Enquist, B. & Kraft, N. 2019. Temperature shapes opposing latitudinal gradients of plant taxonomic and phylogenetic β diversity. *Ecology Letters* 22:1126-1135
345. Engemann, K., Pedersen, C.B., Arge, L., Tsirogianis, C., Mortensen, P.B. & **Svenning, J.-C.** 2019. Residential green space in childhood is associated with lower risk of psychiatric disorders from adolescence into adulthood. *Proceedings of the National Academy of Science USA* 116:5188-5193.
344. Yue, K., Peng, Y., Fornara, D.A., Van Meerbeek, K., Vesterdal, L., Yang, W., Peng, C., Tan, B., Zhou, W.; Xu, Z., Ni, X., Zhang, L., Wu, F. & **Svenning, J.-C.** 2019. Responses of nitrogen concentrations and pools to multiple environmental change drivers: A meta-analysis across terrestrial ecosystems. *Global Ecology and Biogeography* 28:690-724.
343. Radchuk, V., De Laender, F., Cabral, J.S., Boulangeat, I., Crawford, M., Bohn, F., De Raedt, J., Scherer, C., **Svenning, J.-C.**, Thonicke, K., Schurr, F.M., Grimm, V. & Kramer-Schadt, S. 2019. The dimensionality of stability depends on disturbance type. *Ecology Letters* 22:674-684.

342. Guadilla-Sáez, S., Pardo-de-Santayana, M., Reyes-García, V. & **Svenning, J.-C.** 2019. Biodiversity conservation effectiveness provided by a protection status in temperate forest commons of north Spain. *Forest Ecology and Management* 433:656-666.
341. Bruelheide, H., *et al.*, **Svenning, J.-C.**, *et al.* 2019. sPlot—a new tool for global vegetation analyses. *Journal of Vegetation Science* 30:161–186
340. Šimová, I., Sandel, B., Enquist, B.J., Michaletz, S.T., Kattge, J., Violle, C., McGill, B.J., Blonder, B., Engemann, K., Peet, R.K., Wiser, S.K., Morueta-Holme, N., Boyle, B., Kraft, N.J.B. & **Svenning, J.-C.** 2019. The relationship of woody plant size and leaf nutrient content to large-scale productivity for forests across the Americas. *Journal of Ecology* 107:2278–2290.
339. Qiu, Y., Teng, S.N., Zhang, Y., Santana, J., **Svenning, J.-C.**, Abades, L.R.S., Ma, H., Yang, L., Wu, Y., Huang, Z.Y.X. & Xu, C. 2019. The resolution-dependent role of landscape attributes in shaping macro-scale biodiversity patterns. *Global Ecology and Biogeography* 28:767– 778.
338. Ceaușu, S., Graves, R.A., Killion, A.K., **Svenning, J.-C.** & Carter, N.H. 2019. Governing trade-offs in ecosystem services and disservices to achieve human–wildlife coexistence. *Conservation Biology* 33:543-553.
337. Genes, L., **Svenning, J.-C.**, Pires, A.S. & Fernandez, F.A.S. 2019. Why we should let rewilding be wild and biodiverse. *Biodiversity and Conservation* 28:1285–1289.
336. Bull, J.W., Ejrnæs, R., Macdonald, D.W., **Svenning, J.-C.** & Sandom, C.J. 2019. Fences can support restoration in human-dominated ecosystems when rewilding with large predators. *Restoration Ecology* 27:198-209.
335. Thers, H., Bøcher, P.K. & **Svenning, J.-C.** 2019. Using lidar to assess the development of structural diversity in forests undergoing passive rewilding in temperate Northern Europe. *PeerJ* 6:e6219.
334. Watmough, G.R., Marcinko, C.L.J., Sullivan, C., Tschirhart, K., Mutuo, P.K., Palm, C.A. & **Svenning, J.-C.** 2019. Socioecologically informed use of remote sensing data to predict rural household poverty. *Proceedings of the National Academy of Science USA* 116:1213-1218.
333. Schweiger, A.H., Boulangeat, I., Conradi, T., Davis, M. & **Svenning, J.-C.** 2019. The importance of ecological memory for trophic rewilding as an ecosystem restoration approach. *Biological Reviews* 94:1-15.
332. Oddershede, A., Violle, C., Baattrup-Pedersen, A., **Svenning, J.-C.** & Damgaard, C. 2019. Early dynamics in plant community trait responses to a novel, more extreme hydrological gradient. *Journal of Plant Ecology* 12:327–335.
331. Kampach, S., *et al.*, **Svenning, J.-C.**, *et al.* 2019. Of niches and distributions: range size increases with niche breadth both globally and regionally but regional estimates poorly relate to global estimates. *Ecography* 42:467-477.
330. Echeverría-Londoño, S., Enquist, B.J., Neves, D.M., Violle, C., Boyle, B., Kraft, N.J.B., Maitner, B.S., McGill, B., Peet, R.K., Sandel, B., Smith, S.A., **Svenning, J.-C.**, Wiser, S.K. & Kerkhoff, A.J.. 2018. Plant functional diversity and the biogeography of biomes in North and South America. *Frontiers in Ecology and Evolution* 6:219
329. Gaüzère, P., Iversen, L.L., Barnagaud, J.-Y., **Svenning, J.-C.** & Blonder, B. 2018. Empirical predictability of community responses to climate change. *Frontiers in Ecology and Evolution* 6:186.
328. Muscarella, R., Messier, J., Condit, R., Hubbell, S.P. & **Svenning, J.-C.** 2018. Effects of biotic interactions on tropical tree performance depend on abiotic conditions. *Ecology* 99:2740-2750.
327. Torres, A., Fernández, N., zu Ermgassen, S., Helmer, W., Revilla, E., Saavedra, D., Perino, A., Mimet, A., Rey-Benayas, J.M., Selva, N., Schepers, F., **Svenning, J.-C.** & Pereira, H.M. 2018. Measuring rewilding progress. *Philosophical Transactions of the Royal Society B: Biological Sciences* 373:20170433.
326. Jarvie, S. & **Svenning, J.-C.** 2018. Using species distribution modelling to determine opportunities for trophic rewilding under future scenarios of climate change. *Philosophical Transactions of the Royal Society B: Biological Sciences* 373:20170446.

325. Davis, M., Faurby, S. & **Svenning, J.-C.** 2018. Mammal diversity will take millions of years to recover from the current biodiversity crisis. *Proceedings of the National Academy of Science USA* 115:11262-11267.
324. Faurby, S., Davis, M., Pedersen, R.Ø., Schowanek, S.D., Antonelli, A. & **Svenning, J.-C.** 2018. PHYLACINE 1.2: The Phylogenetic Atlas of Mammal Macroecology. *Ecology* 99:2626-2626.
323. Ordonez, A. & **Svenning, J.-C.** 2018. Greater tree species richness in eastern North America compared to Europe is coupled to denser, more clustered functional trait space filling, not to trait space expansion. *Global Ecology and Biogeography* 27:1288-1299.
322. Onstein, R.E., Baker, W.J., Couvreur, T.L.P., Faurby, S., Herrera-Alsina, L., **Svenning, J.-C.** & Kissling, W.D. 2018. To adapt or go extinct? The fate of megafaunal palm fruits under past global change. *Proceedings of the Royal Society B: Biological Sciences* 285:20180882.
321. Muscarella, R., Bacon, C.D., Faurby, S., Antonelli, A., Kristiansen, S.M., **Svenning, J.-C.** & Balslev, H. 2018. Soil fertility and flood regime are correlated with phylogenetic structure of Amazonian palm communities. *Annals of Botany* 123:641–655.
320. Ma, T., Li, R., **Svenning, J.-C.** & Song, X. 2018. Linear spectral unmixing using endmember coexistence rules and spatial correlation. *International Journal of Remote Sensing* 39:3512-3536.
319. Blonder, B., Enquist, B.J., Graae, B.J., Kattge, J., Maitner, B.S., Morueta-Holme, N., *et al.*, **Svenning, J.-C.**, *et al.* 2018. Late Quaternary climate legacies in contemporary plant functional composition. *Global Change Biology* 24:4827-4840
318. Boulangeat, I., **Svenning, J.-C.**, Daufresne, T., Leblond, M. & Gravel, D. 2018. The transient response of ecosystems to climate change is amplified by trophic interactions. *Oikos* 127:1822-1833.
317. Maruyama, P.K., *et al.*, **Svenning, J.-C.**, *et al.* 2018. Functional diversity mediates macroecological variation in plant–hummingbird interaction networks. *Global Ecology and Biogeography* 27:1186-1199.
316. Stewart, L., Simonsen, C.E., **Svenning, J.-C.**, Schmidt, N.M. & Pellissier, L. 2018. Forecasted homogenisation of high-arctic vegetation communities under climate change. *Journal of Biogeography* 45:2576–2587.
315. Odgaard, M.V., Dalgaard, T., Bøcher, P.K. & **Svenning, J.-C.** 2018. Site-specific modulators control how geophysical and socio-technical drivers shape land use and land cover. *GEO: Geography and Environment* 5:e00060.
314. Buitenwerf, R., Sandel, B., Normand, S. Mimet, A. & **Svenning, J.-C.** 2018. Land-surface greening suggests vigorous woody regrowth throughout European semi-natural vegetation. *Global Change Biology* 24:5789–5801.
313. Root-Bernstein, M. & **Svenning, J.-C.** 2018. Human paths have positive impacts on plant richness and diversity: A meta-analysis. *Ecology and Evolution* 8:11111–11121.
312. Rao, M., Steinbauer, M.J., Xiang, X., Zhang, M., Mi, X., Zhang, J., Ma, K. & **Svenning, J.-C.** 2018. Environmental and evolutionary drivers of diversity patterns in the tea family (Theaceae s.s.) across China. *Ecology and Evolution* 8:11663–11676.
311. Bruelheide, H. *et al.*, **Svenning, J.-C.**, *et al.* 2018. Global trait–environment relationships of plant communities. *Nature Ecology & Evolution* 2:1906.
310. Chen, Y., Yuan, Z., Shuai, B., Wang, X., Ye, Y. & **Svenning, J.-C.** 2018. Macrofungal species distributions depend on habitat partitioning of topography, light, and vegetation in a temperate mountain forest. *Scientific Reports* 8:13589.
309. **Svenning, J.-C.** 2018. Pro-active conservation and restoration of botanical diversity in the Anthropocene's "rambunctious garden". *American Journal of Botany* 105:963-966.
308. Araujo, A.C., Martín González, A.M., Sandel, B., Maruyama, P.K., Fischer, E., de Araújo, F.P., Góes Coelho, A., Rodrigues Faria, R., Kohler, G., Guedes Las-Casas, F.M., Lopes, A.V., Machado, A.O., Machado, C.G., Machado, I.C., McGuire, J.A., Cerqueira Moura, A., Oliveira, G.M., Oliveira, P.E., Rocca, M.A., da Cruz Rodrigues, L., Rodrigues, M., Rui, A.M., Sazima, I., Sazima, M., Galarda Varassin, I., Vizentin-Bugoni, J., Wang, Z., Dalsgaard, B. & **Svenning, J.-**

- C. 2018. Spatial distance and climate determine modularity in a cross-biomes plant-hummingbird interaction network in Brazil. *Journal of Biogeography* 45:1846-1858.
307. Gaucherel, C., Tramier, C., Devictor, V., **Svenning J.-C.** & Hély, C. 2018. Where and at which scales does the latitudinal diversity gradient fail? *Journal of Biogeography*, 45:1905–1916.
306. Kozma, R., Lillie, M., Benito, B.M., **Svenning, J.-C.** & Höglund, J. 2018. Past and potential future population dynamics of three grouse species using ecological and whole genome coalescent modelling. *Ecology and Evolution* 8:6671-6681.
305. Schweiger, A. & **Svenning, J.-C.** 2018. Down-sizing of dung beetle assemblages over the last 53,000 years is consistent with a dominant effect of megafauna losses. *Oikos* 127:1243–1250.
304. Engemann, K., Pedersen, C.B., Arge, L., Tsirogiannis, C., Mortensen, P.B. & **Svenning, J.-C.** 2018. Childhood exposure to green space - a novel risk-decreasing mechanism for schizophrenia? *Schizophrenia Research* 199:142-148.
303. Morueta-Holme, N. & **Svenning, J.-C.** 2018. Geography of plants in the New World – from Humboldt to the age of Big Data. *Annals of the Missouri Botanical Garden* 103:315-329.
302. Droissart, V., Dauby, G., Hardy, O.J., Deblauwe, V., Harris, D.J., Janssens, S., Mackinder, Barbara A., Blach-Overgaard, A., Sonké, B., Sosef, M.S.M., Stévant, T., **Svenning, J.-C.**, Wieringa, J.J. & Couvreur, T.L.P. 2018. Beyond trees: Biogeographical regionalization of tropical Africa. *Journal of Biogeography* 45:1153-1167.
301. Steinbauer, M.J., Grytnes, J.-A., *et al.*, **Svenning, J.-C.**, *et al.* 2018. Accelerated increase in plant species richness on mountain summits is linked to warming. *Nature* 556:231–234.
300. Damgaard, C., Ehlers, B.K., Ransijn, J.C.G., Schmidt, I.K. & **Svenning, J.-C.** 2018. Insights on plant interaction between dominating species from patterns of plant association: expected covariance of pin-point cover measurements of two species. *Environmental and Ecological Statistics* 25:221–235.
299. Nüchel, J., Bøcher, P.K., Xiao, W., Zhu, A.-X. & **Svenning, J.-C.** 2018. Snub-nosed monkeys (*Rhinopithecus*): potential distribution and its implication for conservation. *Biodiversity and Conservation* 27:1517–1538.
298. Jiménez-Alfaro, B., Girardello, M., Chytrý, M., **Svenning, J.-C.**, Willner, W., Gégout, J.-C., Agrillo, E., Campos, J.A., Jandt, U., Kački, Z., Šilc, U., Slezák, M., Tichy, L., Tsiripidis, I., Turtureanu, P., Ujházyová, M. & Wohlgemuth, T. 2018. History and environment shape species pools and community diversity in European beech forests. *Nature Ecology & Evolution* 2:483–490.
297. Chen, Y., **Svenning, J.-C.**, Wang, X., Cao, R., Yuan, Z. & Ye, Y. 2018. Drivers of macrofungi community structure differ between soil and rotten-wood substrates in a temperate mountain forest in China. *Frontiers in Microbiology* 9:37.
296. Pellissier, V., Barnagaud, J.-Y., Kissling, W.D., Sekercioglu, C. & **Svenning, J.-C.** 2018. Niche packing and expansion account for species richness–productivity relationships in global bird assemblages. *Global Ecology & Biogeography* 27:604-615.
295. Fløjgaard, C., Bruun, H.H., Hansen, M.D.D., Heilman-Clausen, J., **Svenning, J.-C.** & Ejrnæs, R. 2018. Are ungulates in forests concerns or key species for conservation and biodiversity? Reply to Boulanger *et al.* (DOI: 10.1111/gcb.13899). *Global Change Biology* 24:869-871.
294. Šimová, I., Violle, C., **Svenning, J.-C.**, Kattge, J., Engemann, K., Sandel, B., Peet, R.K., Wiser, S.K., Blonder, B., McGill, B.J., Boyle, B., Morueta-Holme, N., Kraft, N.J.B., van Bodegom, P.M., Gutiérrez, A.G., Bahn, M., Ozinga, W.A., Toszögyová, A. & Enquist, B.J. 2018. Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. *Journal of Biogeography* 45:895-916.
293. Kirchheimer, B., Wessely, J., Gattringer, A., Hülber, K., Moser, D., Schinkel, C.C.F., Appelhans, M., Klatt, S., Caccianiga, M., Dellinger, A., Guisan, A., Kuttner, M., Lenoir, J., Maiorano, L., Nieto-Lugilde, D., Plutzer, C., **Svenning, J.-C.**, Willner, W., Hörandl, E. & Dullinger, S. 2018. Reconstructing geographical parthenogenesis: effects of niche differentiation and reproductive mode on Holocene range expansion of an alpine plant. *Ecology Letters* 21:392-401.

292. Xu, W., **Svenning, J.-C.**, Chen, G., Chen, B., Huang, J. & Ma, K. 2018. Plant geographic range size and climate stability in China: growth form matters. *Global Ecology & Biogeography* 27:506-517.
291. Teng, S.N., Xu, C., Sandel, B. & **Svenning, J.-C.** 2018. Effects of intrinsic sources of spatial autocorrelation on spatial regression modelling. *Methods in Ecology and Evolution* 9:363-372.
290. Mezquida, E.T., **Svenning, J.-C.**, Summers, R.W. & Benkman, C.W. 2018. Higher spring temperatures increase food scarcity and limit the current and future distributions of crossbills. *Diversity and Distributions* 24:473-484.
289. Castro-Insua, A., Gómez-Rodríguez, C., **Svenning, J.-C.** & Baselga, A. 2018. A new macroecological pattern: the latitudinal gradient in species range shape. *Global Ecology & Biogeography* 27:357-367.
288. Galetti, M., Moleón, M., Jordano, P., Pires, M.M., Guimaraes, P.R., Pape, T., Nichols, E., Hansen, D., Olesen, J.M., Munk, M., de Mattos, J.S., Schweiger, A.H., Owen-Smith, N., Johnson, C.N., Marquis, R.J. & **Svenning, J.-C.** 2018. Ecological and evolutionary legacy of megafauna extinctions. *Biological Reviews* 93:845-862.
287. Liang, C., Feng, G., Si, X., Mao, L., Yang, G., **Svenning, J.-C.** & Yang, J. 2018. Bird species richness is associated with phylogenetic relatedness, plant species richness and altitudinal range in Inner Mongolia. *Ecology and Evolution* 8:53-58.
286. Müller, A., Fischer, C. & **Svenning, J.-C.** 2018. 'Wild' in the city context: Do relative wild areas offer opportunities for urban biodiversity? *Landscape and Urban Planning* 114:90-102.
285. Graae, B.J., Vandvik, V., Armbruster, W.S., Eiserhardt, W.L., **Svenning, J.-C.**, Hylander, K., Ehrlén, J., Speed, J.D.M., Klanderud, K., Bråthen, K.A., Milbau, A., Opedal, Ø.H., Alsos, I.G., Ejrnæs, R., Bruun, H.H., Birks, H.J.B., Westergaard, K.B., Birks, H.H. & Lenoir, J. 2018. Stay or go - how topographic complexity influences alpine plant population and community responses to climate change. *Perspectives in Plant Ecology, Evolution and Systematics* 30:41-50.
284. Brucet, S., Arranz, I., Mehner, T., Argillier, C., Beklioglu, M., Benejam, L., Boll, T., Holmgren, K., Lauridsen, T.L., **Svenning, J.-C.**, Winfield, I.J. & Jeppesen, E. 2018. Size diversity and species diversity relationships in fish assemblages of Western Palearctic lakes. *Ecography* 41:1064-1076.
283. Maitner, B., Boyle, B., Casler, N., Condit, R., Donoghue II, J., Durán, S.M., Guaderrama, D., Hinchliff, C.E., Jørgensen, P.M., Kraft, N.J.B., McGill, B., Merow, C., Morueta-Holme, N., Peet, R.K., Sandel, B., Schildhauer, M., Smith, S.A., **Svenning, J.-C.**, Thiers, B., Violle, C., Wiser, S. & Enquist, B.J. 2018. The BIEN R package: A tool to access the Botanical Information and Ecology Network (BIEN) Database. *Methods in Ecology and Evolution* 9:373-379.
282. Wheeler, H.C., Høye, T.T. & **Svenning, J.-C.** 2018. Wildlife species benefitting from a greener Arctic are most sensitive to shrub cover at leading range edges. *Global Change Biology* 24:212-223.
281. Sandom, C. J., Faurby, S., **Svenning, J.-C.**, Burnham, D., Dickman, A., Hinks, A., Macdonald, E.A., Ripple, W.J., Williams, J., & Macdonald, D.W. 2018. Learning from the past to prepare for the future: Felids face continued threat from declining prey richness. *Ecography* 41:140-152.
280. **Svenning, J.-C.** & Faurby, S. 2017. Prehistoric and historic baselines for trophic rewilding in the Neotropics. *Perspectives in Ecology and Conservation* 15:282-291.
279. Root-Bernstein, M. & **Svenning, J.-C.** 2017. Restoring connectivity between fragmented woodlands in Chile with a reintroduced mobile link species. *Perspectives in Ecology and Conservation* 15:292-299.
278. Tao, T., Abades, S., Teng, S., Huang, Z., Reino, L., Chen, B., Zhang, Y., Xu, C. & **Svenning, J.-C.** 2017. Macroecological factors shape local-scale spatial patterns in agriculturalist settlements. *Proceedings of the Royal Society B: Biological Sciences* 284:20172003.281.
277. Pellissier, V., Mimet, A., Fontaine, C., **Svenning, J.-C.** & Couvet, D. 2017. Relative importance of the land-use composition and intensity for the bird community composition in anthropogenic landscapes. *Ecology and Evolution* 7:10513-10535.279.

276. Onstein, R.E., Baker, W.J., Couvreur, T.L.P., Faurby, S., **Svenning, J.-C.** & Kissling, W.D. 2017. Frugivory-related traits promote speciation of tropical palms. *Nature Ecology & Evolution* 1:1903-1911
275. Brucet, S., Tavşanoğlu, Ü.N., Özen, A., Levi, E.E., Bezirci, G., Çakıroğlu, A.İ., Jeppesen E., **Svenning J.-C.**, Ersoy, Z. & Beklioğlu, M. 2017. Size-based interactions across trophic levels of the food web in shallow Mediterranean lakes. *Freshwater Biology* 62:1819-1830.
274. Thers, H., Brunbjerg, A.K., Læssøe, T., Ejrnæs, R., Bøcher, P.K. & **Svenning, J.-C.** 2017. Lidar-derived variables as a proxy for fungal species richness and composition in temperate Northern Europe. *Remote Sensing of Environment* 200:102-113.
273. Barnagaud, J.-Y., Kissling, W.D., Tsirogiannis, C., Fisikopoulos, V., Villéger, S., Sekercioglu, C. & **Svenning, J.-C.** 2017. Biogeographic, environmental and anthropogenic determinants of global patterns in taxonomic and trait turnover in birds. *Global Ecology & Biogeography* 26:1190–1200.
272. Barnagaud, J.-Y., Gaüzère, P., Zuckerberg, B., Princé, K. & **Svenning, J.-C.** 2017. Temporal changes in bird functional diversity across the United States. *Oecologia* 185:737–748.
271. Serra-Diaz, J.M., Enquist, B.J., Maitner B., Merow, C. & **Svenning, J.C.** 2017. Big data of tree species distributions: how big and how good? *Forest Ecosystems* 4:30.
270. Hoag, C. & **Svenning, J.-C.** 2017. African Environmental Change from the Pleistocene to the Anthropocene. *Annual Review of Environment and Resources* 42:25-54.
269. Csergo, A.M., Salguero-Gómez, R., Broennimann, O., Coutts, S.R., Guisan, A., Angert, A.L., Welk, E., Stott, I., Enquist, B.J., McGill, B., **Svenning, J.-C.**, Violle, C. & Buckley, Y.M. 2017. Less favorable climates constrain demographic strategies in plants. *Ecology Letters* 20:969-980.
268. Pedersen, R.Ø, Faurby, S. & **Svenning, J.-C.** 2017. Shallow size-density relations within mammal clades suggest greater intra-guild ecological impact of large-bodied species. *Journal of Animal Ecology* 86:1205-1213.
267. Normand, S., Høye, T.T., Forbes, B.C., Bowden, J.J., Davies, A.L., Odgaard, B.V., Riede, F., **Svenning, J.-C.**, Treier, U.A., Willerslev, R. & Wischnewski, J. 2017. Legacies of historical human activities in arctic woody plant dynamics. *Annual Review of Environment and Resources* 42:541-567.
266. Nüchel, J. & **Svenning, J.-C.** 2017. Recent tree cover increases in eastern China linked to low, declining human pressure, steep topography, and climatic conditions favoring tree growth. *PLoS One* 12:e0177552.
265. Feng, G., Ma, Z., Benito, B.M., Normand, S., Ordonez, A., Jin, Y., Mao, L. & **Svenning, J.-C.** 2017. Phylogenetic age differences in tree assemblages across the Northern Hemisphere increase with long-term climate stability in unstable regions. *Global Ecology & Biogeography* 26:1035-1042.
264. Willner, W., Jiménez-Alfaro, B., Agrillo, E., Biurrun, I., Campos, J. A., Čarni, A., Casella, L., Csiky, J., Čušterevska, R., Didukh, Y. P., Ewald, J., Jandt, U., Jansen, F., Kački, Z., Kavgacı, A., Lenoir, J., Marinšek, A., Onyshchenko, V., Rodwell, J. S., Schaminée, J. H.J., Šibík, J., Škvorc, Ž., **Svenning, J.-C.**, Tsiripidis, I., Turtureanu, P. D., Tzonev, R., Vassilev, K., Venanzoni, R., Wohlgemuth, T. and Chytrý, M. 2017. Classification of European beech forests: a Gordian Knot? *Applied Vegetation Science* 20:494–512.
263. Wagner, V., Chytrý, M., Jiménez-Alfaro, B., Pergl, J., Hennekens, S., Biurrun, I., Knollová, I., Berg, C., Vassilev, K., Rodwell, J.S., Škvorc, Ž., Jandt, U., Ewald, J., Jansen, F., Tsiripidis, I., Botta-Dukát, Z., Casella, L., Attorre, F., Rašomavičius, V., Čušterevska, R., Schaminée, J.H.J., Brunet, J., Lenoir, J., **Svenning, J.-C.**, Kački, Z., Petrášová-Šibíková, M., Šilc, U., García-Mijangos, I., Campos, J.A., Fernández-González, F., Wohlgemuth, T., Onyshchenko, V. & Pyšek, P. 2017. Alien plant invasions in European woodlands. *Diversity & Distributions* 23:969-981.
262. Müller, A., Dahm, M., Bøcher, P.K., Root-Bernstein, M. & **Svenning, J.-C.** 2017. Large herbivores in novel ecosystems - habitat selection by red deer (*Cervus elaphus*) in a former brown-coal mining area. *PLoS One* 12:e0177431.

261. Quinzin, M.C., Normand, S., Dellicour, S., **Svenning, J.-C.** & Mardulyn, P. 2017. Glacial survival of trophically linked boreal species in northern Europe. *Proceedings of the Royal Society B – Biological Sciences* 284:20162799.
260. Ordonez, A. & **Svenning, J.-C.** 2017. Consistent role of Quaternary climate change in shaping current plant functional diversity patterns across European plant orders. *Scientific Reports* 7:42988.
259. Feng, G., Mao, L., Benito, B.M., Swenson, N.G. & **Svenning, J.-C.** 2017. Historical anthropogenic footprints in the distribution of threatened plants in China. *Biological Conservation* 210, Part B:3-8.
258. Ilsøe, S., Kissling, W.D., Fjeldså, J., Sandel, B. & **Svenning, J.-C.** 2017. Global variation in woodpecker species richness shaped by tree availability. *Journal of Biogeography* 44:1824-1835.
257. Cámara-Leret, R., Faurby, S., Macía, M.J., Balslev, H., Gödel, B., **Svenning, J.-C.**, Kissling, W.D., Rønsted, N. & Saslis-Lagoudakis, C.H. 2017. Fundamental species traits explain provisioning services of tropical American palms. *Nature Plants* 3:16220.
256. Løvschal, M., Bøcher, P.K., Pilgaard, J., Amoke, I., Odingo, A., Thuo, A. & **Svenning, J.-C.** 2017. Fencing bodes a rapid collapse of the unique Greater Mara ecosystem. *Scientific Reports* 7:41450.
255. Odgaard, M.V., Turner, K.G., Bøcher, P.K., **Svenning, J.-C.** & Dalgaard, T. 2017. A multi-criteria, ecosystem-service value method used to assess catchment suitability for potential wetland reconstruction in Denmark. *Ecological Indicators* 77:151-165.
254. Zohner, C., Benito, B., Fridley, J., **Svenning, J.-C.** & Renner, S. 2017. Spring predictability explains different leaf-out strategies in the woody floras of North America, Europe, and East Asia. *Ecology Letters* 20:452–460.
253. Sosef, M.S.M., Dauby, G., Blach-Overgaard, A., van der Burgt, X., Catarino, L., Damen, T., Deblauwe, V., Dessein, S., Dransfield, J., Droissart, V., Duarte, M.C., Engledow, H., Fadeur, G., Figueira, R., Gereau, R.E., Hardy, O.J., Harris, D.J., de Heij, J., Janssens, S., Klomberg, Y., Ley, A.C., Mackinder, B.A., Meerts, P., van de Poel, J.L., Sonké, B., Stévant, T., Stoffelen, P., **Svenning, J.-C.**, Sepulchre, P., Zaiss, R., Wieringa, J.J. & Couvreur, T.L.P. 2017. Exploring the floristic diversity of tropical Africa. *BMC Biology* 15:15
252. Hudson, L.N., *et al.*, **Svenning, J.-C.**, *et al.* & Purvis, A. 2017. The database of the PREDICTS (Projecting Responses of Ecological Diversity In Changing Terrestrial Systems) project. *Ecology and Evolution* 7:145-188.
251. Swenson, N.G., Weiser, M.D., Mao, L., Araújo, M.B., Diniz-Filho, J.A.F., Kollman, J., Nogués-Bravo, D., Normand, S., Rodríguez, M. Á., García-Valdés, R., Valladares, F., Zavala, M.A. & **Svenning, J.-C.** 2017. Phylogeny and predicting tree functional diversity across novel continental settings. *Global Ecology & Biogeography* 26:553-562.
250. Olivares, I., **Svenning, J.-C.**, van Bodegom, P., Valencia, R. & Balslev, H. 2017. Stability in a changing world – palm community dynamics in the hyperdiverse western Amazon across 17 years. *Global Change Biology* 23:1232–1239.
249. Brunbjerg, A.-K., Bruun, H.H., Moeslund, J.E., Sadler, J.P., **Svenning, J.-C.** & Ejrnæs, R. 2017. Ecospace: a unified framework for understanding variation in terrestrial biodiversity. *Basic & Applied Ecology* 18:86–94.
248. Benito, B.M., **Svenning J.-C.**, Kellberg-Nielsen, T., Riede, F., Gil-Romera, G., Mailund, T., Kjærgaard, P.C. & Sandel, B. 2017. The ecological niche and distribution of Neanderthals during the Last Interglacial. *Journal of Biogeography* 44:51–61.
247. Root-Bernstein, M., Guerrero-Gatica, M., Piña, L., Bonacic, C., **Svenning, J.-C.**, & Jaksic, F.M. 2017. Rewilding-inspired transhumance for the restoration of semi-arid silvopastoral systems in Chile. *Regional Environmental Change* 17:1381–1396.
246. Zhang, J., Nielsen, S., Chen, Y., Georges, D., Qin, Y., Wang, S.-S., **Svenning, J.-C.** & Thuiller, W. 2017. Extinction risk of North American seed plants elevated by climate and land-use change. *Journal of Applied Ecology* 54:303-312.

245. Özkan, K., Jeppesen, E., Davidson, T., Bjerring, R., Johansson, L., Søndergaard, M., Lauridsen, T. & **Svenning, J.-C.** 2016. Long-term trends and temporal synchrony in plankton richness, diversity and biomass driven by re-oligotrophication and climate across 17 Danish lakes. *Water* 8:427.
244. Engemann, K., Sandel, B., Boyle, B., Enquist, B.J., Jørgensen, P.M., Kattge, J., McGill, B.J., Morueta-Holme, N., Peet, R.K., Spencer, N.J., Violle, C., Wiser, S.K. & **Svenning, J.-C.** 2016. A plant growth form dataset for the New World. *Ecology* 97:3243-3243.
243. Gilles, D., Zaiss, R., Blach-Overgaard, A., Catarino, L., Damen, T., Deblauwe, V. et al., **Svenning, J.-C.**, et al. 2016. RAINBIO: a mega-database of tropical African vascular plants distributions. *PhytoKeys* 74:1-18.
242. Ordonez, A., Williams, J.W. & **Svenning, J.-C.** 2016. Mapping climatic mechanisms likely to favour the emergence of novel communities. *Nature Climate Change* 6:1104–1109.
241. Zohner, K., Benito, B.M., Fridley, J.D., **Svenning, J.-C.** & Renner, S.S. 2016. Day length unlikely to constrain climate-driven shifts in leaf-out times of northern woody plants. *Nature Climate Change* 6:1120–1123.
240. Steinbauer, M.J., Beierkuhnlein, C., Arfin Khan, M.A.S., Harter, D.E.V., Irl, S.D.H., Jentsch, A., Schweiger, A.H., **Svenning, J.-C.** & Dengler, J. 2016. How to differentiate facilitation and environmentally driven co-existence. *Journal of Vegetation Science* 27:1071–1079.
239. de Campos Francia, L., Nabe-Nielsen, J., **Svenning, J.-C.** & Martins, F.R. 2016. Short-term spatial variation in the demography of a common Neotropical liana is shaped by tree community structure and light availability. *Plant Ecology* 217:1273–1290.
238. Rech, A.R., Dalsgaard, B., Sandel, B., Sonne, J., **Svenning, J.-C.**, Holmes, N & Ollerton, J. 2016. The macroecology of animal versus wind pollination: ecological factors are more important than historical climate stability. *Plant Ecology & Diversity* 9:253-262.239.
237. Feng, F., Mi, X., Yan, H., Li, F.Y., **Svenning, J.-C.** & Ma, K. 2016. CForBio: a network monitoring Chinese forest biodiversity-progress and perspective. *Science Bulletin* 61:1163-1170.
236. Greve, M., Lykke, A.M., Fagg, C.W., Gereau, R., Lewis, G.P., Marchant, R., Marshall, A.R., Ndayishimiye, J., Bogaert, J. & **Svenning, J.-C.** 2016. Realising the potential of herbarium records for conservation biology. *South African Journal of Botany* 105:317-323.
235. Doughty, C., Faurby, S., **Svenning, J.-C.**, Wolf, A. & Malhi, Y. 2016. Changing NPP consumption patterns in the Holocene: from megafauna-“liberated” NPP to “ecological bankruptcy”. *Anthropocene Review* 3:174-187.
234. Mateo, R.G., Broennimann, O., Normand, S., Petitpierre, B., Araújo, M.B., **Svenning, J.-C.**, Baselga, A., Fernández-González, F., Gómez-Rubio, V., Muñoz, J., Suarez, G.M., Luoto, M., Guisan, A. & Vanderpoorten, A. 2016. The mossy North: an inverse latitudinal diversity gradient in European bryophytes. *Scientific Reports* 6:25546.
233. Faurby, S. & **Svenning, J.-C.** 2016. Resurrection of the island rule: human-driven extinctions have obscured a basic evolutionary pattern. *American Naturalist* 187:812-820.
232. Root-Bernstein, M. & **Svenning, J.-C.** 2016. Prospects for rewilding with camelids. *Journal of Arid Environments* 130:54-61.
231. Faurby, S., Werdelin, L. & **Svenning, J.-C.** 2016. The difference between trivial and scientific names: There were never any true cheetahs in North America [Comment]. *Genome Biology* 17:89.
230. Ordonez, A. & **Svenning, J.-C.** 2016. Strong paleoclimatic legacies in current plant functional diversity patterns across Europe. *Ecology and Evolution* 6:3405–3416.
229. Ma, Z., Sandel, B. & **Svenning, J.-C.** 2016. Phylogenetic assemblage structure of North American trees is more strongly shaped by glacial-interglacial climate variability in gymnosperms than in angiosperms. *Ecology and Evolution* 6:3092–3106.
228. Faurby, S., Eiserhardt, W.L., Baker, W.J. & **Svenning, J.-C.** 2016. An all-evidence species-level supertree for the palms (Arecaceae). *Molecular Phylogenetics and Evolution* 100:57-69.
227. Göldel, B., Araujo, A.C., Kissling, W.D. & **Svenning, J.-C.** 2016. Impacts of large herbivores on spinescence and abundance of palms in the Pantanal, Brazil. *Botanical Journal of the Linnean Society* 182:465–479.

226. Sanín, M.J., Kissling, W.D., Bacon, C.D., Borchsenius, F., Galeano, G., **Svenning, J.-C.**, Olivera, J., Ramírez, R., Trénel, P. & Pintaud, J.-C. 2016. The Neogene rise of the tropical Andes facilitated diversification of wax palms (*Ceroxylon*: Areaceae) through geographic colonization and climatic niche separation. *Botanical Journal of the Linnean Society* 182:303–317.
225. Doughty, C. E., Faurby, S. & **Svenning, J.-C.** 2016. The impact of the megafauna extinctions on savanna woody cover in South America. *Ecography* 39:213–222.
224. Doughty, C. E., Wolf, A., Morueta-Holme, N., Jørgensen, P.M., Sandel, B., Violle, C., Boyle, B., Kraft, N.J.B., Peet, R.K., Enquist, B.J., **Svenning, J.-C.**, Blake, S., & Galetti, M.. 2016. Megafauna extinction, tree species range reduction, and carbon storage in Amazonian forests. *Ecography* 39:194–203.
223. Malhi, Y., Doughty, C.E., Galetti, M., Smith, F.A., **Svenning, J.-C.** & Terborgh, J.W. 2016. Megafauna and ecosystem function from the Pleistocene to the Anthropocene. *Proceedings of the National Academy of Science USA* 113:838–846.
222. Sonne, J., Martín González, A.M., Maruyama, P.K., Sandel, B., Vizenin-Bugoni, J., Schleuning, M., Abrahamczyk, S., Alarcón, R., Araujo, A.C., Araujo, F.P., de Azevedo, S.M., Baquero, A.C., Cotton, P.A., Ingversen, T.T., Kohler, G., Lara, C., Guedes Las-Casas, F.M., Machado, A.O., Machado, C.G., Maglianesi, M.A., Moura, A.C., Nogués-Bravo, D., Oliveira, G.M., Oliveira, P.E., Ornelas, J.F., da Cruz Rodrigues, L., Rosero-Lasprilla, L., Rui, A.M., Sazima, M., Timmermann, A., Varassin, I.G., Wang, Z., Watts, S., Fjeldså, J., **Svenning, J.-C.**, Rahbek, C. & Dalsgaard, B. 2016. High proportion of smaller-ranged hummingbird species coincides with ecological specialization across the Americas. *Proceedings of the Royal Society B – Biological Sciences* 283:20152512.
221. Goldsmith, G.R., Morueta-Holme, N., Sandel, B., Fitz, E.D., Fitz, S.D., Boyle, B., Casler, N., Engemann, K., Jørgensen, P.M., Kraft, N.J.B., McGill, B., Peet, R.K., Piel, W.H., Spencer, N., **Svenning, J.-C.**, Thiers, B.M., Violle, C., Wisser, S.K. & Enquist, B.J. 2016. Plant-O-Matic: A dynamic and mobile guide to all plants of the Americas. *Methods in Ecology & Evolution* 7:960–965.
220. Deblauwe, V., Droissart, V., Bose, R., Sonké, B., Blach-Overgaard, A., **Svenning, J.-C.**, Wieringa, J.J., Ramesh, B.R., Stévant, T. & Couvreur, T.L.P. 2016. Remotely sensed temperature and precipitation data improve species distribution modelling in the tropics. *Global Ecology & Biogeography* 25:443–454.
219. Morueta-Holme, N., Blonder, B., Sandel, B., McGill, B.J., Peet, R.K., Ott, J., Violle, C., Enquist, B., Jørgensen, P.M. & **Svenning, J.-C.** 2016. A network approach for inferring species associations from co-occurrence data. *Ecography* 39:1139–1150.
218. Engemann, K., Sandel, B., Enquist, B.J., Jørgensen, P.M., Kraft, N., Marcuse-Kubitz, A., McGill, B., Morueta-Holme, N., Peet, R.K., Violle, C., Wisser, S., & **Svenning, J.-C.** 2016. Patterns and drivers of plant functional group dominance across the Western Hemisphere – a macroecological re-assessment based on a massive botanical dataset. *Botanical Journal of the Linnean Society* 180:141–160.
217. Stewart, L., Alsos, I.ö., Bay, C., Breen, A.L., Brochmann, C., Boulanger-Lapointe, N., Broennimann, O., Bültmann, H., Bøcher, P.K., Damgaard, C., Daniëls, F.J.A., Ehrich, D., Eidesen, P.B., Guisan, A., Jónsdóttir, I.S., Lenoir, J., le Roux, P.C., Lévesque, E., Luoto, M., Nabe-Nielsen, J., Schönswetter, P., Tribsch, A., Tveraabak, L.U., Virtanen, R., Walker, D.A., Westergaard, K.B., Yoccoz, N.G., **Svenning, J.-C.**, Wisz, M., Schmidt, N.M. & Pellissier, L. 2016. Regional species richness and genetic diversity of arctic vegetation reflect both past glaciations and current climate. *Global Ecology & Biogeography* 25:430–442.
216. Ordonez, A. & **Svenning, J.-C.** 2016. Functional diversity of North America trees is codetermined by historical and contemporary environmental factors. *Ecosphere* 7:e01237.
215. Zhang, J., Nielsen, S., Mao, L., Chen, S. & **Svenning, J.-C.** 2016. Regional and historical factors supplement current climate in shaping global forest canopy height. *Journal of Ecology* 104:469–478.

214. Swenson, N., Weiser, M.D., Mao, L., Normand, S., Rodríguez, M.Á. & **Svenning, J.-C.** 2016. Constancy in functional space across a species richness anomaly. *American Naturalist* 187:E83–E92.
213. Nielsen, T.K., Benito, B.M., **Svenning, J.-C.**, Sandel, B., McKerracher, L., Riede, F. & Kjærgaard, P.C. 2016. Investigating Neanderthal dispersal above 55°N in Europe during the Last Interglacial Complex. *Quaternary International* 431B:88–103.
212. Steinbauer, M.J., Field, R., Grytnes, J.-A., Trigas, P., Ah-Peng, C., Attorre, F., Birks, H.J.B., Borges, P.A.V., Cardoso, P., Chou, C.-H., De Sanctis, M., de Sequeira, M.M., Duarte, M.C., Elias, R.B., Fernández-Palacios, J.M., Gabriele, R., Gereau, R.E., Gillespie, R.G., Greimler, J., Harter, D.E.V., Huang, T.-J., Irl, S.D.H., Jeanmonod, J., Jetsch, A., Jump, A.S., Kueffer, Nogué, S., Otto, R., Price, J., Romeiras, M.M., Strasberg, D., Stuessy, T., **Svenning, J.-C.**, Vetaas, O.R. & Beierkuhnlein, C. 2016. Topography-driven isolation, speciation and a global increase of endemism with elevation. *Global Ecology & Biogeography* 25:1097–1107.
211. Fox, A.T., Dalby, L., Christensen, T.K., Nagy, S., Balsby, T.J.S., Crowe, O., Clausen, P., Deceuninck, B., Devos, K., Holt, C.A., Hornman, M., Keller, V., Langendoen, T., Lehikoinen, A., Lorentsen, S.-H., Molina, B., Nilsson, L., Stipnice, A., **Svenning, J.-C.** & Wahl, J. 2016. Seeking explanations for recent changes in abundance of wintering Eurasian Wigeon (*Anas penelope*) in northwest Europe. *Ornis Fennica* 93:12–25.
210. Kirchheimer, B., Schinkel, C., Dellinger, A., Klatt, S., Moser, D., Winkler, M., Lenoir, J., Caccianiga, M., Guisan, A., Nieto Lugilde, D., **Svenning, J.-C.**, Thuiller, W., Vittoz, P., Willner, W., Zimmermann, N., Hörandl, E. & Dullinger, S. 2016. A matter of scale: Apparent niche differentiation of diploid and tetraploid plants may depend on extent and grain of analysis. *Journal of Biogeography* 43:716–726.
209. Douda, J. *et al.*, **Svenning, J.-C.** *et al.* 2016. Vegetation classification and biogeography of European floodplain forests and alder carrs. *Applied Vegetation Science* 19:147–163.
208. Bakker, E.S., Gill, J., Johnson, C.N., Vera, F.W.M., Sandom, C.J., Asner, G.P. & **Svenning, J.-C.** 2016. Combining paleo-data and modern exclosure experiments to assess the impact of megafauna extinctions on woody vegetation. *Proceedings of the National Academy of Science USA* 113:847–855.
207. **Svenning, J.-C.**, Pedersen, P.B.M., Donlan, C.J., Ejrnæs, R., Faurby, S., Galetti, M., Hansen, D.M., Sandel, B., Sandom, C.J., Terborgh, J.W. & Vera, F.W.M. 2016. Science for a wilder Anthropocene: Synthesis and future directions for trophic rewilding research. *Proceedings of the National Academy of Science USA* 113:898–906.
206. Doughty, C.E., Roman, J., Faurby, S., Wolf, A., Haque, A., Bakker, E.S., Malhi, Y., Dunning, J. & **Svenning, J.-C.** 2016. Global nutrient transport in a world of giants. *Proceedings of the National Academy of Science USA* 113:868–873.
205. Faurby, S., Eiserhardt, W.L. & **Svenning, J.-C.** 2016. Strong effects of variation in taxonomic opinion on diversification analyses. *Methods in Ecology and Evolution* 7:4–13.
204. Feng, G., Mao, L., Sandel, B., Swenson, N.G. & **Svenning, J.-C.** 2016. High plant endemism in China is partially linked to reduced glacial-interglacial climate change. *Journal of Biogeography* 43:145–154.
203. Turner, K.G., Anderson, S., Gonzales-Chang, M., Costanza, R., Courville, S., Dalgaard, T., Dominati, E., Kubiszewski, I., Ogilvy, S., Porfirio, L., Ratna, N., Sandhu, H., Sutton, P.C., **Svenning, J.-C.**, Turner, G.M., Varennes, Y.-D., Voinov, A. & Wratten, S. 2016. A review of methods, data, and models to assess changes in the value of ecosystem services from land degradation and restoration. *Ecological Modelling* 319:190–207.
202. Göldel, B., Kissling, W.D. & **Svenning, J.-C.** 2015. Geographical variation and environmental correlates of functional trait distributions in palms (Arecaceae) across the New World. *Botanical Journal of the Linnean Society* 179:602–617.
201. Wasof, S., Lenoir, J., Aarrestad, P.A., Alsos, I.G., Armbruster, W.S., Austrheim, G., Bakkestuen, V., Birks, H.J.B., Bråthen, K.A., Broennimann, O., Brunet, J., Bruun, H.H., Dahlberg, C.J., Diekmann, M., Dullinger, S., Dynesius, M., Ejrnæs, R., Gégout, J.-C., Graae, B.J.,

- Grytnes, J.-A., Guisan, A., Hylander, K., Jónsdóttir, I.S., Kapfer, J., Klanderud, K., Luoto, M., Milbau, A., Moora, M., Nygaard, B., Odland, A., Pauli, H., Ravolainen, V., Reinhardt, S., Sandvik, S.M., Schei, F.H., Speed, J.D.M., **Svenning, J.-C.**, Thuiller, W., Tveraabak, L.U., Vandvik, V., Velle, L.G., Virtanen, R., Vittoz, P., Willner, W., Wohlgemuth, T., Zimmermann, N.E., Zobel, M. & Decocq, G. 2015. Disjunct populations of European vascular plant species keep the same climatic niches. *Global Ecology and Biogeography* 24:1401-1412.
200. de Campos Franci, L., **Svenning, J.-C.**, Balslev, H., Martins, F.R. & Nabe-Nielsen, J.N. 2015. The demography of a dominant Amazon liana species exhibits little environmental sensitivity. *Journal of Tropical Ecology* 32:79-82.
199. Chytrý, M. *et al.*, **Svenning, J.-C.** *et al.* 2015. European Vegetation Archive (EVA): an integrated database of European vegetation plots. *Applied Vegetation Science* 19:173–180.201.
198. Müller, A., Bøcher, P.K. & **Svenning, J.-C.** 2015. Where are the wilder parts of anthropogenic landscapes? - A mapping case study for Denmark. *Landscape and Urban Planning* 114:90-102.
197. Tangjitman, K., Trisonthi, C., Wongsawad, C., Jitree S., & **Svenning, J.-C.** 2015. Potential impact of climatic change on medicinal plants used in the Karen women's health care in northern Thailand. *Songklanakarinn Journal of Science & Technology* 37:369-379.
196. Morueta-Holme, N., Engemann, K., Sandoval-Acuña, P., Jonas, J.D., Segnitz, R.M. & **Svenning, J.-C.** 2015. Strong upslope shifts in Chimborazo's vegetation over two centuries since Humboldt. *Proceedings of the National Academy of Science USA* 112:12741–12745.
195. Faurby, S. & **Svenning, J.-C.** 2015. Historic and prehistoric human-driven extinctions have reshaped global mammal diversity patterns. *Diversity & Distributions* 21:1155-1166.
194. Davidson, T.A., Audet, J., **Svenning, J.-C.**, Lauridsen, T.L., Søndergaard, M., Landkildehus, F., Larsen, S.E. & Jeppesen, E. 2015. Eutrophication effects on greenhouse gas fluxes from shallow lake mesocosms override those of climate warming. *Global Change Biology* 21:4449–4463.
193. Majer, M., **Svenning, J.-C.** & Bilde, T. 2015. Habitat productivity predicts the global distribution of social spiders. *Frontiers in Ecology and Evolution* 3:101
192. Carroll, J., Clasen, M., Jonsson, E., Kratschmer, A.R., McKerracher, L., Riede, F., **Svenning, J.-C.** & Kjærgaard, P.C. 2017. Biocultural theory: the current state of knowledge. *Evolutionary Behavioral Sciences* 11:1-15.
191. Oddershede, A., **Svenning, J.-C.** & Damgaard, C. 2015. Topographically determined water availability shapes functional patterns of plant communities within and across habitat types. *Plant Ecology* 216:1231-1242.
190. Blach-Overgaard, A., Balslev, H., Dransfield, J., Normand, S. & **Svenning, J.-C.** 2015. Global-change vulnerability of a key plant resource, the African palms. *Scientific Reports* 5:12611.
189. Naundrup, P. & **Svenning, J.-C.** 2015. A geographic assessment of the global scope for rewilding with wild-living horses (*Equus ferus*). *PLoS One* 10: e0132359.
188. Nieto-Lugilde, D., Lenoir, J., Abdulkhak, S., Aeschmann, D., Dullinger, S., Gégout, J.-C., Guisan, A., Pauli, H., Renaud, J., Theurillat, J.-P., & **Svenning, J.-C.** 2015. Tree cover at fine and coarse spatial grains interacts with shade tolerance to shape plant species distributions across the Alps. *Ecography* 38:578-589.
187. Weigelt, P., Kissling, W.D., Kisel, Y., Fritz, S.A., Karger, D.N., Kessler, M., Lehtonen, S., **Svenning, J.-C.** & Kreft, H. 2015. Global patterns and drivers of phylogenetic structure in island floras. *Scientific Reports* 5:12213.
186. **Svenning, J.-C.**, Eiserhardt, W.L., Normand, S., Ordonez, A. & Sandel, B. 2015. The influence of paleoclimate on present-day patterns in biodiversity and ecosystems. *Annual Review of Ecology, Evolution, and Systematics*, 46:551-572.
185. Moreno-Amat, E., Mateo, R.G., Nieto-Lugilde, D., Morueta-Holme, N., **Svenning, J.-C.** & García-Amorena, I. 2015. Impact of model complexity on cross-temporal transferability in Maxent species distribution models: an assessment using palaeobotanical data. *Ecological Modelling* 312:308-317.

184. Eiserhardt, W.L., Borchsenius, F., Plum, C.M., Ordonez, A. & **Svenning, J.-C.** 2015. Climate-driven extinctions shape the phylogenetic structure of temperate tree floras. *Ecology Letters* 18:263-72.
183. Juel, A., Groom, G.B., **Svenning, J.-C.**, & Ejrnæs, R. 2015. Spatial application of Random Forest models for fine-scale coastal vegetation classification using object based analysis of aerial orthophoto and DEM data. *International Journal of Applied Earth Observation and Geoinformation* 42:106-114.
182. Eiserhardt, W.L., Borchsenius, F., Sandel, B., Kissling, W.D. & **Svenning, J.-C.** 2015. Late Cenozoic climate and the phylogenetic structure of regional conifer floras worldwide. *Global Ecology & Biogeography* 24:1136–1148.
181. Ordonez, A. & **Svenning, J.-C.** 2015. Geographic patterns in functional diversity deficits are linked to glacial-interglacial climate stability and accessibility. *Global Ecology & Biogeography* 24:826–837.
180. Alba-Sánchez, F., López-Sáez, J.A., Nieto-Lugilde, D. & **Svenning, J.-C.** 2015. Long-term climate forcings to assess vulnerability in North Africa dry argan woodlands. *Applied Vegetation Science* 18:283-296.
179. Feng, G., Mi, X., Eiserhardt, W.L., Jin, G., Sang, W., Lu, Z., Wang, X., Li, X., Li, B., Sun, I., Ma, K. & **Svenning, J.-C.** 2015. Assembly of forest communities across East Asia - insights from phylogenetic community structure and species pool scaling. *Scientific Reports* 5:9337.
178. Wheeler, H.C., Chipperfield, J.D., Roland, C. & **Svenning, J.-C.** 2015. How will the greening of the Arctic affect an important prey species and disturbance agent? Vegetation effects on arctic ground squirrels. *Oecologia* 78:915-929.
177. Couvreur, T.L.P., Kissling, D.W., Condamine, F.L., **Svenning, J.-C.**, Rowe, N.P. & Baker, W.J. 2015. Global diversification of a tropical plant growth form: environmental correlates and historical contingencies in climbing palms. *Frontiers in Genetics* 5:452.
176. Brunbjerg, A.K., Jørgensen, G.P., Nielsen, K.M., Pedersen, M.L., **Svenning, J.-C.** & Ejrnæs, R. 2015. Disturbance in dry coastal dunes in Denmark promotes diversity of plants and arthropods. *Biological Conservation* 182:243-253.
175. Engemann, K., Enquist, B.J., Sandel, B., Boyle, B., Jørgensen, P.M., Morueta-Holme, N., Peet, R.K., Violle, C. & **Svenning, J.-C.** 2015. Limited sampling hampers ‘big data’ estimation of species richness in a tropical biodiversity hotspot. *Ecology and Evolution* 5:807–820.
174. Menezes, R.F., Borchsenius, F., **Svenning, J.-C.**, Davidson, T.A., Søndergaard, M., Lauridsen, T.L., Landkildehus, F. & Jeppesen, E. 2015. Homogenization of fish assemblages in different lake depth strata at local and regional scales. *Freshwater Biology* 60:745–757.
173. Svendsen, J.K., Sell, H. Bøcher, P.K. & **Svenning, J.-C.** 2015. Habitat and nest site preferences of Red-backed Shrike (*Lanius collurio*) in western Denmark. *Ornis Fennica* 92:63–75.
172. Blonder, B., Nogués-Bravo, D., Borregaard, M.K., Donoghue II, J., Jørgensen, P. M., Kraft, N.J.B., Lessard, J.-P., Morueta-Holme, N., Sandel, B., **Svenning, J.-C.**, Violle, C., Rahbek, C. & Enquist, B.J. 2015. Linking environmental filtering and disequilibrium to biogeography with a community climate framework. *Ecology* 96:872-985.
171. Olivares, I., **Svenning, J.-C.**, van Bodegom, P.M. & Balslev, H. 2015. Effects of warming and drought on the vegetation and plant diversity in the Amazon basin. *Botanical Review* 81:42-69.
170. Šimová, I., Violle, C., Kraft, N.J.B., Storch, D., **Svenning, J.-C.**, Boyle, B., Donoghue, J.C., Jørgensen, P.M., McGill, B.J., Morueta-Holme, N., Piel, W.H., Peet, R.K., Regetz, J., Schildhauer, M., Spencer, N., Thiers, B., Wisser, S. & Enquist, B.J. 2015. Shifts in trait means and variances in North American tree assemblages: species richness patterns are loosely related to the functional space. *Ecography* 38:649-658.
169. Barnagaud, J.-Y., Papaix, J., Gimenez, O. & **Svenning, J.-C.** 2015. Dynamic spatial interactions between the native invader Brown-headed Cowbird and its hosts. *Diversity and Distributions* 21:511–522.

168. Wheeler, H., Høye, T.T., Schmidt, N.M., **Svenning, J.-C.** & Forchhammer, M.C. 2015. Phenological mismatch with abiotic conditions – implications for flowering in Arctic plants. *Ecology* 96:775–787.
167. Lenoir, J. & **Svenning, J.-C.** 2015. Climate-related range shifts – a global multidimensional synthesis and new research directions. *Ecography* 1:15-28.
166. Timmermann, A., Damgaard, C., Strandberg, M. & **Svenning, J.-C.** 2014. Pervasive early 21st century vegetation changes across Danish semi-natural ecosystems – more losers than winners and a shift towards competitive, tall-growing species. *Journal of Applied Ecology* 52:21–30.
165. Cámara-Leret, R., Paniagua-Zambrana, N., **Svenning, J.-C.**, Balslev, H. & Macía, M.J. 2014. Geospatial patterns in traditional knowledge serve in assessing intellectual property rights and benefit-sharing in northwest South America. *Journal of Ethnopharmacology* 158(A):58–65.
164. Dalsgaard, B., Carstensen, D.W., Fjeldså, J., Maruyama, P.K., Rahbek, C., Sandel, B., Sonne, J., **Svenning, J.-C.**, Wang, Z. & Sutherland, W.J. 2014. Does geography, current climate or historical climate determine bird species richness, endemism and island network roles in Wallacea and the West Indies? *Ecology and Evolution* 4:4019–4031.
163. Amano, T., Sandel, B., Eager, H., Bulteau, E., **Svenning, J.-C.**, Dalsgaard, B., Rahbek, C., Davies, R.G. & Sutherland, W.J. 2014. Global distribution and drivers of language extinction risk. *Proceedings of the Royal Society B: Biological Sciences* 281:20141574.
162. Gomes de Freitas, C., de Sales Dambros, C., Eiserhardt, W.L., Costa, F.R.C., **Svenning, J.-C.** & Balslev, H. 2014. Phylogenetic structure of a palm community in the central Amazon: changes along a hydro-edaphic gradient. *Plant Ecology* 215:1173-1185.
161. Pavlova, V., Nabe-Nielsen, J., Dietz, R., **Svenning, J.-C.**, Vorkamp, K., Riget, F.F., Sonne, C., Letcher, R.J. & Grimm, V. 2014. Field metabolic rate and PCB adipose tissue deposition efficiency in East Greenland polar bears derived from contaminant monitoring data. *PLoS One* 9:e104037.
160. Pedersen, R.Ø., Sandel, B.S. & **Svenning, J.-C.** 2014. Macroecological evidence for competitive regional-scale interactions between the two major clades of mammal carnivores (Feliformia and Caniformia). *PLoS One* 9:e100553.
159. Lamanna, C.A., Blonder, B., Violle, C., Kraft, N.J.B., Sandel, B., Simova, I., Donoghue, J.C., **Svenning, J.-C.**, McGill, B.J., Boyle, B., Buzzard, V., Dolins, S., Jørgensen, P.M., Marcuse-Kubitza, A., Morueta-Holme, N., Peet, R.K., Piel, W., Regetz, J., Schildhauer, M., Spencer, N., Thiers, B.M., Wiser, S.K. & Enquist, B.J. 2014. Functional trait space and the latitudinal diversity gradient. *Proceedings of the National Academy of Science USA* 111:13745-13750.
158. Sandom, C., Faurby, S., Sandel, B. & **Svenning, J.-C.** 2014. Global late Quaternary megafauna extinctions linked to humans, not climate change. *Proceedings of the Royal Society B: Biological Sciences* 281:20133254.
157. Kissling, W.D., Dalby, L., Fløjgaard, C., Lenoir, J., Sandel, B., Sandom, C., Trøjelsgaard, K. & **Svenning, J.-C.** 2014. Establishing macroecological trait datasets: digitalisation, extrapolation and validation of dietary preferences in terrestrial mammals worldwide. *Ecology and Evolution* 4:2913–2930.
156. Özkan, K., Jeppesen, E., Davidson, T.A., Søndergaard, M., Lauridsen T.L., Bjerring, R., Johansson, L.S. & **Svenning, J.-C.** 2014. Cross-taxon congruence in lake plankton largely independent of environmental gradients. *Ecology* 95:2778–2788.
155. Brunbjerg, A.K., **Svenning, J.-C.** & Ejrnæs, R. 2014. Experimental evidence for disturbance as key to the conservation of dune grassland. *Biological Conservation* 174:101–110.
154. Barnagaud, J.-Y., Kissling, W.D., Sandel, B., Eiserhardt, W., Sekercioglu, C., Enquist, B.J., Tsirogianis, C. & **Svenning, J.-C.** 2014. Ecological traits influence the phylogenetic structure of bird species co-occurrences worldwide. *Ecology Letters* 17:811-820.
153. Abellán, P. & **Svenning, J.-C.** 2014. Refugia within refugia– patterns in endemism and genetic divergence are linked to Late Quaternary climate stability in the Iberian Peninsula. *Biological Journal of the Linnean Society* 113:13–28.

152. Holm, S.R. & **Svenning, J.-C.** 2014. 180,000 years of climate change in Europe: avifaunal responses and vegetation implications. *PLoS One* 9:e94021.
151. Sandin, L., Schmidt-Kloiber, A., **Svenning, J.-C.**, Jeppesen, E. & Friberg, N. 2014. A trait-based approach to assess climate change sensitivity of freshwater invertebrates across Swedish ecoregions. *Current Zoology* 60:221 – 232.
150. Sandom, C., Ejrnæs, R., Hansen, M.D.D. & **Svenning, J.-C.** 2014. High herbivore density associated with vegetation diversity in interglacial ecosystems. *Proceedings of the National Academy of Science USA* 111:4162-4167.
149. Alexander, C., Moeslund, J.E., Bøcher, P.K., Arge, L. & **Svenning, J.-C.** 2014. Regional-scale mapping of tree cover, height and main phenological tree types using airborne laser scanning data. *Remote Sensing of Environment* 147:156-172.
148. Nogués-Bravo, D., Pulido, F., Arandam I., Araújo, M.B., Diniz-Filho, J.A.F., García-Valdés, R., Kollmann, J., **Svenning, J.-C.**, Valladares, F. & Avala, M.A. 2014. Phenotypic correlates of potential range size and range filling in European trees. *Perspectives in Plant Ecology, Evolution and Systematics* 16:219–227.
147. Feng, G., Mi, X.C., Bøcher, P.K., Mao, L.F., Sandel, B., Cao, M., Ye, W.H., Hao, Z.Q., Gong, H.D., Zhang, Y.T, Zhao, X.H., Jin, G.Z., Ma, K.P. & **Svenning, J.-C.** 2014. Relative roles of local disturbance, current climate and palaeoclimate in determining phylogenetic and functional diversity in Chinese forests. *Biogeosciences* 11:1361-1370.
146. Turner, K., Odgaard, M.V., Bøcher, P.K., Dalgaard, T. & **Svenning, J.-C.** 2014. Bundling ecosystem services: Trade-offs and synergies in a cultural landscape. *Landscape and Urban Planning* 125:89-104.
145. Schleuning, M., Ingmann, L., Strauß, R., Dalsgaard, B., Dehling, D.M., Plein, M., Saavedra, F.V., Sandel, B., **Svenning, J.-C.**, Böhning-Gaese, K. & Dormann, C.F. 2014. Ecological, historical and evolutionary determinants of modularity in weighted seed-dispersal networks. *Ecology Letters* 17:454-463.
144. Dalby, L., McGill, B.J., Fox, A.D. & **Svenning, J.-C.** 2014. Seasonality drives global-scale diversity patterns in waterfowl (Anseriformes) via temporal niche exploitation. *Global Ecology & Biogeography* 23:550-562.
143. **Svenning, J.-C.**, Gravel, D., Holt, R.D., Schurr, F.M., Thuiller, W., Münkemüller, T., Schiffers, K.H., Dullinger, S., Edwards, T.C., Hickler, T., Higgins, S.I., Nabel, J.E.M.S., Pagel, J. & Normand, S. 2014. The influence of interspecific interactions on species range expansion rates. *Ecography* 37:1198–1209.
142. Feng, G., **Svenning, J.-C.**, Jia, Q., Rao, M., Ren, H., Bebbler, D.P. & Mi, X. 2014. Anthropogenic disturbance shapes phylogenetic and functional tree community structure in a subtropical forest area via successional dynamics. *Forest Ecology and Management* 313:188-198.
141. Field, R. & **Svenning, J.-C.** 2014. Tropical diversity and the energetic ecology of the Red Queen. *Journal of Biogeography* 41:6-7.
140. Münkemüller, T., Gallien, L., Lavergne, S., Renaud, J., Roquet, C., Abdulhak, S., Dullinger, S., Garraud, L., Guisan, A., Lenoir, J. , **Svenning, J.-C.**, Van Es, J., Vittoz, P. , Willner, W. , Wohlgemuth, T. , Zimmermann, N. & Thuiller, W. 2014. Scale decisions can reverse conclusions on community assembly processes. *Global Ecology & Biogeography* 23:620–632.
139. Odgaard, M.V., Bøcher, P.K., Dalgaard, T., Moeslund, J.E. & **Svenning, J.-C.** 2014. Anthropogenic topographic effects on the distribution of forest in a lowland agricultural region. *Journal of Geographical Sciences* 24:76-92.
138. Brunbjerg, A.K., Cavender-Bares, J., Eiserhardt, W.L., Ejrnæs, R., Aarssen, L.W., Buckley, H.L., Forey, E., Jansen, F., Kattge, J., Lane, C., Lubke, R.A., Moles, A.T., Monserrat, A.L., Peet, R.K., Roncal, J., Wootton, L. & **Svenning, J.-C.** 2014. Multi-scale phylogenetic structure in coastal dune plant communities across the globe *Journal of Plant Ecology* 7:101-114.
137. Greve, M., Reyers, B., Lykke, A.M. & **Svenning, J.-C.** 2013. Spatial optimization of carbon-stocking projects across Africa integrating stocking potential with co-benefits and feasibility. *Nature Communications* 4:2975.

136. Morueta-Holme, N., Enquist, B.J., McGill, B.J., Boyle, B., Jørgensen, P.M., Ott, J.E., Peet, R.K., Simova, I., Sloat, L., Thiers, B., Violle, C., Wiser, S.K., Dolin, S., Donoghue, J.C., Kraft, N.J.B., Regetz, J., Schildhauer, M., Spencer, N. & **Svenning, J.-C.** 2013. Habitat area and climate variability determine geographic variation in plant species range sizes. *Ecology Letters* 16:1446-1454.
135. Sandel, B. & **Svenning, J.-C.** 2013. Human impacts drive a global topographic signature in tree cover. *Nature Communications* 4:2474.
134. Mayer, M., Agnarsson, I., **Svenning, J.-C.** & Bilde, T. 2013. Social spiders of the genus *Anelosimus* occur in wetter, more productive environments than non-social species. *Naturwissenschaften* 100:1031-1040.
133. Josse, C., Young, B., Lyons-Smyth, R., Brooks, T., Frances, A., Comer, P., Petry, P., Balslev, H., Bassuner, B., Goettsch, B., Jørgensen, P., Larrea-Alcázar, D., Navarro, G., Saatchi, S., Sanchez de Lozada, A., **Svenning, J.-C.**, Tovar, L.A. & Moscoso, A. 2013. Decision-making inputs for the conservation of the western Amazon Basin. *Ecología Aplicada* 12:45-65.
132. Fitzpatrick, M.C., Sanders, N.J., Normand, S., **Svenning, J.-C.**, Ferrier, S., Gove, A.D. & Dunn, R.R. 2013. Environmental and historical imprints on beta diversity: insights from variation in rates of species turnover along gradients. *Proceedings of the Royal Society B: Biological Sciences* 280:20131201.
131. Moeslund, J.E., Arge, L., Bøcher, P.K., Dalgaard, T., Odgaard, M., Nygaard, B. & **Svenning, J.-C.** 2013. Topographically controlled soil moisture is the primary driver of local vegetation patterns across a lowland region. *Ecosphere* 4:91.
130. Blach-Overgaard, A., Kissling, W.D., Dransfield, J., Balslev, H. & **Svenning, J.-C.** 2013. Multimillion-year climatic effects on palm species diversity in Africa. *Ecology* 94:2426-2435.
129. Normand, S., Randin, C., Ohlemüller, R., Bay, C., Høye, T.T., Kjær, E.D., Körner, C., Lischke, H., Maiorano, L., Paulsen, J., Pearman, P.B., Psomas, A., Treier, U.A., Zimmermann, N.E. & **Svenning, J.-C.** 2013. A greener Greenland? Climatic potential and long-term constraints on future expansions of trees and shrubs. *Philosophical Transactions of the Royal Society B* 368:20120479.
128. Dalby, L., Söderquist, P., Christensen, T.K., Clausen, P., Einarsson, Á., Elmberg, J., Fox, A.D., Holmquist, N., Langendoen, T., Lehikoinen, A., Lindström, Å., Lorentsen, S.-H., Nilsson, L., Pöysä, H., Rintala, J., Sigfússon, A.þ. & **Svenning, J.-C.** 2013. The status of the Nordic populations of the Mallard (*Anas platyrhynchos*) in a changing world. *Ornis Fennica* 90:2-15.
127. Dalsgaard, B., Trøjelsgaard, K., González, A.M.M., Nogués-Bravo, D., Ollerton, J., Petanidou, T., Sandel, B., Schleuning, M., Wang, Z., Rahbek, C., Sutherland, W.J., **Svenning, J.-C.** & Olesen, J.M. 2013. Historical climate-change influences modularity and nestedness of pollination networks. *Ecography* 100:1266-1286.
126. **Svenning, J.-C.** & Sandel, B. 2013. Disequilibrium vegetation dynamics under future climate change. *American Journal of Botany* 100:1266-1276.
125. Alexander, C., Moeslund, J.E., Bøcher, P.K., Arge, L. & **Svenning, J.-C.** 2013. Airborne laser scanner (LiDAR) proxies for understory light conditions. *Remote Sensing of Environment* 134:152-161.
124. Mayer, M., **Svenning, J.-C.** & Bilde, T. 2013. Habitat productivity constrains the distribution of social spiders across continents - case study of the genus *Stegodyphus*. *Frontiers in Zoology* 10:9.
123. Rakotoarinivo, M., Blach-Overgaard, A., Baker, W.J., Dransfield, J., Moat, J. & **Svenning, J.-C.** 2013. Palaeo-precipitation determines palm diversity patterns within Madagascar - a tropical biodiversity hotspot. *Proceedings of the Royal Society B – Biological Sciences* 280:20123048.
122. Moeslund, J.E., Arge, L., Bøcher, P.K., Dalgaard, T. & **Svenning, J.-C.** 2013. Topography as a driver of local plant diversity patterns. *Nordic Journal of Botany* 31:129-144.
121. Odgaard, M.V., Moeslund, J.E., Bøcher, P.K., Dalgaard, T. & **Svenning, J.-C.** 2013. The relative importance of geophysical constraints, amenity values, and farm-related factors in the dynamics of grassland set-aside. *Agriculture, Ecosystems and Environment* 164:286-291.

120. Eiserhardt, W.L., **Svenning, J.-C.**, Baker, W.J., Coevreur, T.L.P. & Balslev, H. 2013. Dispersal and niche evolution jointly shape the geographic turnover of phylogenetic clades across continents. *Scientific Reports* 3:1164.
119. Sandom, C., Dalby, L., Fløjgaard, C., Kissling, W.D., Lenoir, J., Sandel, B., Trøjelsgaard, K., Ejrnæs, R. & **Svenning, J.-C.** 2013. Mammal predator and prey species richness are strongly linked at macroscales. *Ecology* 94:1112-1122.
118. Lenoir, J., Graae, B.J., Aarrestad, P.A., Alsos, I.G., Armbruster, W.S., Austrheim, G., Bergendorff, C., Birks, H.J.B., Bråthen, K.A., Brunet, J., Bruun, H.H., Dahlberg, C.J., Decocq, G., Diekmann, M., Dynesius, M., Ejrnæs, R., Grytnes, J.-A., Hylander, K., Klanderud, K., Luoto, M., Milbau, A., Moora, M., Nygaard, B., Odland, A., Ravolainen, V.T., Reinhardt, S., Sandvik, S.M., Schei, F.H., Speed, J.D.M., Tveraabak, L.U., Vandvik, V., Velle, L.G., Virtanen, R., Zobel, M. & **Svenning, J.-C.** 2013. Local temperatures inferred from plant communities suggest strong spatial buffering of climate warming across Northern Europe. *Global Change Biology* 19:1470-1481.
117. Carstensen, D.W., Dalsgaard, B., **Svenning, J.-C.**, Rahbek, C., Fjeldså, J., Sutherland, W.J. & Olesen, J.M. 2013. The functional biogeography of species: biogeographical species roles of birds in Wallacea and the West Indies. *Ecography* 36:1097-1105.
116. Moeslund, J.E., Arge, L., Bøcher, P.K., Dalgaard, T., Ejrnæs, R., Odgaard, M.V. & **Svenning, J.-C.** 2013. Topographically controlled soil moisture drives plant diversity patterns within grasslands. *Biodiversity & Conservation* 22:2151-2166.
115. Özkan, K., **Svenning, J.-C.** & Jeppesen, E. 2013. Environmental species sorting dominates forest-bird community assembly across scales. *Journal of Animal Ecology* 82:266-274.
114. Dalby, L., Fox, A.D., Petersen, I.K., Delany, S. & **Svenning, J.-C.** 2013. Temperature does not dictate the wintering distributions of European dabbling duck species. *Ibis* 155:80-88.
113. Eiserhardt, W., **Svenning, J.-C.**, Borchsenius, F., Kristiansen, T. & Balslev, H. 2013. Separating environmental and geographical determinants of phylogenetic community structure in Amazonian palms (Arecaceae). *Botanical Journal of the Linnean Society* 171:244-259.
112. Wisz, M.S., Pottier, J., Kissling, W.D., Pellisier, L., Lenoir, J., Damgaard, C.F., Dormann, C.F., Forchhammer, M.C., Grytnes, J.A., Guisan, A., Heikkinen, R., Høye, T.T., Kühn, I., Luoto, M., Maiorano, L., Nilsson, M.-C., Normand, S., Öckinger, E., Schmidt, N.M., Termansen, M., Timmermann, A., Wardle, D.A., Aastrup, P. & **Svenning, J.-C.** 2013. The role of biotic interactions in shaping spatial distributions and realised assemblages of species: implications for species distribution modelling. *Biological Reviews* 88:15-30.
111. Menezes, R.M., Borchsenius, F., **Svenning, J.-C.**, Søndergaard, M., Lauridsen, T.L., Landkildehus, F. & Jeppesen, E. 2013. Variation in fish community structure, richness and diversity in 56 Danish lakes with contrasting depth, size and trophic state: does the method matter? *Hydrobiologia* 710:47-59.
110. Brunbjerg, A.K., Ejrnæs, R. & **Svenning, J.-C.** 2013. Species sorting dominates plant metacommunity structure in coastal dunes. *Acta Oecologica* 39:32-42.
109. Greve, M., Lykke, A.M., Fagg, C.W., Bogaert, J., Friis, I., Marchant, R., Marshall, A.R., Ndayishimiye, N., Sandel, B.S., Sandom, C., Schmidt, M., Timberlake, J.R., Wieringa, J.J., Zizka, G. & **Svenning, J.-C.** 2012. Continental-scale variability in browser diversity is a major driver of diversity patterns in acacias across Africa. *Journal of Ecology* 100:1093-1104. [*picked as Editor's Choice in J. Ecol. and in Science 337:15, Drivers of diversity*]
108. Lenoir, J., **Svenning, J.-C.**, Dullinger, S., Pauli, H., Willner, W., Guisan, A., Vittoz, P., Wohlgemuth, T., Zimmermann & Gégout, J.C. 2012. The Alps Vegetation Database – a geo-referenced community-level archive of all terrestrial plants occurring in the Alps. 2012. *Biodiversity & Ecology* 4:331-332.
107. Kissling, W.D., Eiserhardt, W.L., Baker, W.J., Borchsenius, F., Couvreur, T.L.P., Balslev, H. & **Svenning, J.-C.** 2012. Cenozoic imprints on the phylogenetic structure of palm species assemblages worldwide. *Proceedings of the National Academy of Science USA* 109:7379-7384.

106. Dullinger, S., Gattringer, A., Thuiller, W., Zimmermann, N.E., Guisan, A., Willner, W., Plutzer, C., Leitner, M., Mang, T., Caccianiga, M., Dirnböck, T., Ertl, S., Fischer, A., Lenoir, J., **Svenning, J.-C.**, Psomas, A., Schmatz, D.R., Silc, U., Vittoz, P. & Hülber, K. 2012. Extinction debt of high-mountain plants under 21st-century climate change. *Nature Climate Change* 2:619-622.
105. Kellermann, V., Overgaard, J., Hoffmann, A.A., Fløjgaard, C., **Svenning, J.-C.** & Loeschcke, V. 2012. Upper thermal limits of *Drosophila* are linked to species distributions and strongly constrained phylogenetically. *Proceedings of the National Academy of Science USA* 109:16228-16233.
104. Schleuning, M., Fründ, J., Klein, A.-M., Abrahamczyk, S., Alarcón, R., Albrecht, M., Andersson, G.K.S., Bazarian, S., Böhning-Gaese, K., Bommarco, R., Dalsgaard, B., Dehling, D.M., Gotlieb, A., Hagen, M., Hickler, T., Holzschuh, A., Kaiser-Bunbury, C., Kreft, H., Morris, R.J., Sandel, B., Sutherland, W.J., **Svenning, J.-C.**, Tschardtke, T., Watts, S., Weiner, C.N., Werner, M., Williams, N.M., Winqvist, C., Dormann, C.F. & Blüthgen, N. 2012. Specialization of mutualistic interaction networks decreases towards tropical latitudes. *Current Biology* 22:1925-1931.
103. Virtanen, R., Grytnes, J.-A., Lenoir, J., Luoto, M., Oksanen, J. & **Svenning, J.-C.** 2012. Productivity-diversity patterns in arctic tundra vegetation. *Ecography* 36:331-341.
102. Kristiansen, T., **Svenning, J.-C.**, Eiserhardt, W., Pedersen, D., Brix, H., Kristiansen, S.M., Knadel, M., Grández, C. & Balslev, H. 2012. Environment versus dispersal in the assembly of western Amazonian palm communities. *Journal of Biogeography* 39:1318-1332.
101. Brunbjerg, A.K., Borchsenius, F., Eiserhardt, W.L., Ejrnæs, R. & **Svenning, J.-C.** 2012. Disturbance drives phylogenetic community structure in coastal dune vegetation. *Journal of Vegetation Science* 23:1082-1094.
100. Kellermann, V., Loeschcke, V., Hoffmann, A.A., Kristensen, T.N., Fløjgaard, C., David, J.R., **Svenning, J.-C.**, & Overgaard, J.H. 2012. Phylogenetic constraints in key functional traits behind species' climate niches: patterns of desiccation and cold resistance across 95 *Drosophila* species. *Evolution* 66:3377-3389.
99. Pertoldi, C., Bach, L.A., **Svenning, J.-C.**, Damgaard, C. & Bayley, M. 2012. Contributions from population genetics to ecotoxicology and stress ecology in light of transformation to the population genomic era. *Archives of Biological Sciences* 64:557-565.
98. Ndayishimiye, J., Greve, M., Stoffelen, P., Bigendako, M.J., De Cannière, C., **Svenning, J.-C.** & Bogaert, J. 2012. Modelling the spatial distribution of endemic Caesalpinioideae in Central Africa, a contribution to the evaluation of actual protected areas in the region. *International Journal of Biodiversity and Conservation* 4:118-129.
97. Gomes de Freitas, C., Costa, F.R.C., **Svenning, J.-C.** & Balslev, H. 2012. Topographic separation of two sympatric palms in the central Amazon – does dispersal play a role? *Acta Oecologica* 39:128-135.
96. Özkan, K., Jeppesen, E., Søndergaard, M., Lauridsen, T.L., Liboriussen, L. & **Svenning, J.-C.** 2012. Contrasting roles of water chemistry, lake morphology, land-use, climate and spatial processes in driving phytoplankton richness in the Danish landscape. *Hydrobiologia* 710:173-187.
95. Kissling, W.D., Dormann, C.F., Groeneveld, J., Hickler, T., Kühn, I., McNerny, G.J., Montoya, J.M., Römermann, C., Schiffers, K., Schurr, F.M., Singer, A., **Svenning, J.-C.**, Zimmermann, N.E. & O'Hara, R.B. 2012. Towards novel approaches to modelling biotic interactions in multispecies assemblages at large spatial extents. *Journal of Biogeography* 39:2163-2178.
94. Baselga, A., Lobo, J.M., **Svenning, J.-C.**, Aragón, P. & Araújo, M.B. 2012. Dispersal ability modulates the strength of the latitudinal richness gradient in European beetles. *Global Ecology & Biogeography* 11:1106-1113.
93. Abellan, P., Arribas, P. & **Svenning, J.-C.** 2012. Geologic habitat template overrides Late Quaternary climate change as a determinant of range dynamics and phylogeography in some habitat-specialist water beetles. *Journal of Biogeography* 39:970-983.

92. Carstensen, D.W., Dalsgaard, B., **Svenning, J.-C.**, Rahbek, C., Fjeldså, J., Sutherland, W.J. & Olesen, J.M. 2012. Biogeographical modules and island roles: a comparison of Wallacea and the West Indies. *Journal of Biogeography* 39:739-749.
91. Kissling, W.D., Baker, W.J., Balslev, H., Barfod, A.S., Borchsenius, F., Dransfield, J., Govaerts, R. & **Svenning, J.-C.** 2012. Quaternary and pre-Quaternary historical legacies in the global distribution of a major tropical plant lineage. *Global Ecology & Biogeography* 21:909-921.
90. Lenoir, J., Virtanen, R., Oksanen, J., Oksanen, L., Luoto, M., Grytnes, J.-A. & **Svenning, J.-C.** 2012. Dispersal ability links cross-scale species diversity patterns across the Eurasian Arctic tundra. *Global Ecology & Biogeography* 21:851-860.
89. Sandel, B., Arge, L., Dalsgaard, B., Davies, R.G., Gaston, K.J., Sutherland, W.J. & **Svenning, J.-C.** 2011. The influence of Late Quaternary climate-change velocity on endemism. *Science* 334:660-664.
88. Odgaard, M.V., Bøcher, P.K., Dalgaard, T. & **Svenning, J.-C.** 2011. Climatic and non-climatic drivers of spatiotemporal maize-area dynamics across the northern limit for maize production – a case study from Denmark. *Agriculture, Ecosystems and Environment* 142:291-302.
87. Greve, M. & **Svenning, J.-C.** 2011. A paper park – as seen from the air. *Journal for Nature Conservation* 19:368-369.
86. Eiserhardt, W.L., Bjorholm, S., **Svenning, J.-C.**, Rangel, T.F. & Balslev, H. 2011. Testing the water-energy theory on American palms (Arecaceae) using geographically weighted regression. *PLoS One* 6:e27027.
85. Dalsgaard, B., Magård, E., Fjeldså, J., González, A.M., Rahbek, C., Olesen, J.M., Ollerton, J., Alarcón, R., Araujo, A.C., Cotton, P.A., Lara, C., Machado, C.G., Sazima, I., Sazima, M., Timmermann, A., Watts, S., Sandel, B., Sutherland, W.J. & **Svenning, J.-C.** 2011. Specialization in plant-hummingbird networks is associated with species richness, contemporary precipitation and Quaternary climate-change velocity. *PLoS One* 6:e25891.
84. Baselga, A., Lobo, J.M., **Svenning, J.-C.** & Araújo, M.B. 2012. Global patterns in the shape of species geographic ranges reveal range determinants. *Journal of Biogeography* 39:760-771.
83. Balslev, H., Kahn, F., Millan, B., **Svenning, J.-C.**, Kristiansen, T., Borchsenius, F., Pedersen, D. & Eiserhardt, W. 2011. Species diversity and growth forms in tropical American palm communities. *Botanical Review*. 77:381-425.
82. **Svenning, J.-C.**, Fløjgaard, C., Marske, K.A., Nógues-Bravo, D. & Normand, S. 2011. Applications of species distribution modeling to paleobiology. *Quaternary Science Reviews* 30:2939-2947.
81. Normand, S., Ricklefs, R.E., Skov, F., Bladt, J., Tackenberg, O. & **Svenning, J.-C.** 2011. Postglacial migration supplements climate in determining plant species ranges in Europe. *Proceedings of the Royal Society B: Biological Sciences* 278:3644-3653.
80. Moeslund, J.E., Arge, L., Bøcher, P.K., Nygaard, B. & **Svenning, J.-C.** 2011. Geographically comprehensive assessment of fine-scale vegetation-elevation relationships in Danish salt meadows using LiDAR. *Wetlands* 31:471-482.
79. Eiserhardt, W.L., **Svenning, J.-C.**, Kissling, W.D. & Balslev, H. 2011. Geographical ecology of the palms (Arecaceae) - determinants of diversity and distributions across spatial scales. *Annals of Botany* 108:1391-1416.
78. Kristiansen, T., **Svenning, J.-C.**, Pedersen, D., Eiserhardt, W., Grández, C. & Balslev, H. 2011. Local and regional palm (Arecaceae) species richness patterns and their cross-scale determinants in the western Amazon. *Journal of Ecology* 99:1001-1015.
77. Ohlemüller, R., Huntley, B., Normand, S. & **Svenning, J.-C.** 2011. Potential source and sink locations for climate-driven species range shifts in Europe since the Last Glacial Maximum. *Global Ecology & Biogeography* 21:152-163.
76. Greve, M., Lykke, A.M., Blach-Overgaard, A. & **Svenning, J.-C.** 2011. Environmental and anthropogenic determinants of vegetation distribution across Africa. *Global Ecology & Biogeography* 20:661-674.

75. Alvarez, P.C., White, J.F., Torres, M., Balslev, H., Kristiansen, T., **Svenning, J.-C.** & Gil, N. 2011. Light converts endosymbiotic fungus to pathogen, influencing seedling survival and niche-space filling of a common tropical tree, *Iriartea deltoidea*. *PLoS One* 6:e16386.
74. **Svenning, J.-C.**, Fløjgaard, C. & Baselga, A. 2011. Climate, history and neutrality as drivers of mammal beta diversity in Europe: insights from multiscale deconstruction. *Journal of Animal Ecology* 80:393-402.
73. Fløjgaard, C., Normand, S., Skov, F. & **Svenning, J.-C.** 2011. Deconstructing the mammal species richness pattern in Europe - towards an understanding of the relative importance of climate, biogeographic history, habitat heterogeneity, and humans. *Global Ecology & Biogeography*, 20:218-230.
72. Roncal, J., Blach-Overgaard, A., Borchsenius, H. **Svenning, J.-C.** & Balslev, H. 2011. A dated phylogeny complements macroecological analysis to explain diversity patterns in *Geonoma* (Arecaceae). *Biotropica* 43:324-334.
71. Lenoir, J., Gégout, J.C., Guisan, A., Vittoz, P., Wohlgemuth, T., Zimmermann, N.E., Dullinger, S., Pauli, H., Willner, W., Grytnes, J.-A., Virtanen, R. & **Svenning, J.-C.** 2010. Cross-scale analysis of the region effect on vascular plant species diversity in southern and northern European mountain ranges. *PLoS One* 5:e15734.
70. **Svenning, J.-C.**, Fitzpatrick, M.C., Normand, S., Graham, C.H., Pearman, P.B., Iverson, L.R. & Skov, F. 2010. Geography, topography, and history affect realized-to-potential tree species richness patterns in Europe. *Ecography* 33:1070-1080. [International Association for Landscape Ecology, US Chapter (US-IALE), Outstanding Paper in Landscape Ecology Award – Honorable Mention]
69. Meier, E.S., Kienast, F. Pearman, P.B., **Svenning, J.-C.**, Thuiller, W., Araújo, M.B., Guisan, A. & Zimmermann, N.E. 2010. Biotic and abiotic variables show little redundancy in explaining tree species distributions. *Ecography* 33:1038-1048.
68. Lenoir, J., Gégout, J.C., Dupouey, J.L., Bert, D. & **Svenning, J.-C.** 2010. Forest plant community changes during 1989-2007 in response to climate warming in the Jura Mountains (France and Switzerland). *Journal of Vegetation Science* 21:949-964.
67. Morueta-Holme, N., Fløjgaard, C. & **Svenning, J.-C.** 2010. Climate change risk and conservation implications for a threatened small-range mammal species. *PLoS One* 5:e10360. [featured in a News Focus article: Stone, R. 2010. Home, home outside the range. *Science* 329:1592-1594]
66. Blach-Overgaard, A., **Svenning, J.-C.**, Dransfield, J., Greve, M. & Balslev, H. 2010. Determinants of palm species distributions across Africa: the relative roles of climate, non-climatic environmental factors, and spatial constraints. *Ecography* 33:380-391.
65. Lenoir, J., Gégout, J.-C., Guisan, A., Vittoz, P., Wohlgemuth, T., Zimmermann, N. E., Dullinger, S., Pauli, H., Willner, W. & **Svenning, J.-C.** 2010. Going against the flow: potential mechanisms for unexpected downslope range shifts in a warming climate. *Ecography* 33:295-303.
64. Vega, R., Nakazawa-Ueji, Y., Lira-Noriega, A., Fløjgaard, C., **Svenning, J.-C.** & Searle, J.B. 2010. Northern glacial refugia for the pygmy shrew (*Sorex minutus*) in Europe revealed by phylogeographic and species distribution modelling. *Ecography* 33:260-271.
63. Kristiansen, T., **Svenning, J.-C.**, Grández, C., Salo, J. & Balslev, H. 2009. Commonness of Amazonian palm (Arecaceae) species: Cross-scale links and potential determinants. *Acta Oecologica* 35:554-562.
62. Bladt, J., Strange, N., Abildtrup, J., **Svenning, J.-C.** & Skov, F. 2009. Conservation efficiency of geopolitical coordination in the EU. *Journal for Nature Conservation* 17:72-86.
61. **Svenning, J.-C.**, Normand, S. & Skov, F. 2009. Plio-Pleistocene climate change and geographic heterogeneity in plant diversity–environment relationships. *Ecography* 32:13-21.
60. Blach-Overgaard, A., **Svenning, J.-C.** & Balslev, H. 2009. Climate change sensitivity of the African ivory nut palm, *Hyphaene petersiana* Klotzsch ex Mart. (Arecaceae) – a keystone species in SE Africa. *IOP Conference Series: Earth and Environmental Science* 8:012014.

59. Fløjgaard, C., Morueta-Holme, N., Skov, F., Madsen, A. B. & **Svenning, J.-C.** 2009. Potential 21st century changes to the mammal fauna of Denmark - implications of climate change, land-use, and invasive species. *IOP Conference Series: Earth and Environmental Science* 8:012016.
58. Lykke, A.M., Barfod, A. S., Tinggard Svendsen, G., Greve, M. & **Svenning, J.-C.** 2009. Climate change mitigation by carbon stock – the case of semi-arid West Africa. *IOP Conference Series: Earth and Environmental Science* 8:012004.
57. Moeslund, J.E., Bøcher, P. K., **Svenning, J.-C.**, Mølhav, T. & Arge, L. 2009. Impacts of 21st century sea-level rise on a Danish major city – an assessment based on fine-resolution digital topography and a new flooding algorithm. *IOP Conference Series: Earth and Environmental Science* 8:012022.
56. Skov, F., Nygaard, B., Wind, P., Borchsenius, F., Normand, S., Balslev, H., Fløjgaard, C. & **Svenning, J.-C.** 2009. Impacts of 21st century climate changes on flora and vegetation in Denmark. *IOP Conference Series: Earth and Environmental Science* 8:012015.
55. **Svenning, J.-C.**, Fløjgaard, C., Morueta-Holme, N., Lenoir, J., Normand, S. & Skov, F. 2009. Big moving day for biodiversity? A macroecological assessment of the scope for assisted colonization as a conservation strategy under global warming. *IOP Conference Series: Earth and Environmental Science* 8:012017.
54. **Svenning, J.-C.**, Baktoft, K.H. & Balslev, H. 2009. Land-use history affects understory plant species distributions in a large temperate forest complex, Denmark. *Plant Ecology* 201:221-234.
53. Normand, S., Treier, U.A., Randin, C., Vittoz, P., Guisan, A. & **Svenning, J.-C.** 2009. Importance of abiotic stress as a range limit determinant for European plants: insights from species' responses to climatic gradients. *Global Ecology & Biogeography* 18:437-449.
52. Fløjgaard, C., Normand, S., Skov, F. & **Svenning, J.-C.** 2009. Ice age distributions of European mammals: insights from species distribution modelling. *Journal of Biogeography* 36:1152-1163.
51. **Svenning, J.-C.**, Harlev, D., Sørensen, M.M. & Balslev, H. 2009. Topographic and spatial controls of palm species distributions in a montane rain forest, southern Ecuador. *Biodiversity & Conservation* 18:219-228.
50. **Svenning, J.-C.**, Normand, S. & Kageyama, M. 2008. Glacial refugia of temperate trees in Europe: insights from species distribution modelling. *Journal of Ecology* 96:1117-1127. [picked as Editor's Choice]
49. Bjorholm, S., **Svenning, J.-C.**, Skov, F. & Balslev, H. 2008. To what extent does Tobler's 1st law of geography apply to macroecology? A case study using American palms (Arecaceae). *BMC Ecology* 8:11.
48. **Svenning, J.-C.**, Normand, S. & Skov, F. 2008. Postglacial dispersal limitation of widespread forest plant species in nemoral Europe. *Ecography* 31:316-326.
47. Dominy, N.J., Grubb, P.J., Jackson, R.V., Lucas, P.W., Metcalfe, D.J., **Svenning, J.-C.** & Turner, I.M. 2008. In tropical lowland rain forests monocots have tougher leaves than dicots, and include a new kind of tough leaf. *Annals of Botany* 101:1363-1377.
46. Grubb, P.J., Jackson, R.V., Barberis, I.M., Bee, J.N., Coomes, D.A., Dominy, N.J., De la Fuente, M.A., Lucas, P.W., Metcalfe, D.J., **Svenning, J.-C.**, Turner, I.M. & Vargas, O. 2008. Monocot leaves are eaten less than dicot leaves in tropical lowland rain forests: roles for toughness and leaf presentation. *Annals of Botany* 101:1379-1389.
45. **Svenning, J.-C.**, Borchsenius, F., Bjorholm, S. & Balslev, H. 2008. High tropical net diversification drives the New World latitudinal gradient in palm (Arecaceae) species richness. *Journal of Biogeography* 35:394-406.
44. **Svenning, J.-C.**, Fabbro, T. & Wright, S.J. 2008. Seedling interactions in a tropical forest in Panama. *Oecologia* 155:143-150.
43. Paniagua Z., N.Y., Byg, A., **Svenning, J.-C.**, Moraes, M., Grandez, C. & Balslev, H. 2007. Diversity of palm uses in the western Amazon. *Biodiversity and Conservation* 16:2771-2787.
42. **Svenning, J.-C.** & Skov, F. 2007. Could the tree diversity pattern in Europe be generated by postglacial dispersal limitation? *Ecology Letters* 10:453-460.

41. Levinsky, I., Skov, F., **Svenning, J.-C.** & Rahbek, C. 2007. Potential impacts of climate change on the distributions and diversity patterns of European mammals. *Biodiversity & Conservation* 16:3803-3816.
40. Normand, S., **Svenning, J.-C.** & Skov, F. 2007. National and European perspectives on climate change sensitivity of the Habitats Directive characteristic plant species. *Journal for Nature Conservation* 15:41-53.
39. **Svenning, J.-C.** & Skov, F. 2007. Ice age legacies in the geographic distribution of tree species richness in Europe. *Global Ecology & Biogeography* 16:234-245.
38. **Svenning, J.-C.**, Normand, S., and Skov, F. 2006. Range filling in European trees. *Journal of Biogeography* 33:2018-2021.
37. **Svenning, J.-C.**, B.M.J. Engelbrecht, D.A. Kinner, T.A. Kursar, R.F. Stallard & Wright, S.J. 2006. The relative roles of environment, history and local dispersal in controlling the distributions of common tree and shrub species in a tropical forest landscape, Panama. *Journal of Tropical Ecology* 22:575-586.
36. **Svenning, J.-C.** & Skov, F. 2006. Potential impact of climate change on the northern nemoral forest herb flora of Europe. *Biodiversity & Conservation* 15:3341-3356.
35. Bjorholm, S., **Svenning, J.-C.**, Baker, W.J., Skov, F. & Balslev, H. 2006. Historical legacies in the geographic diversity patterns of New World palm (*Arecaceae*) clades. *Botanical Journal of the Linnean Society* 151:113-125.
34. Normand, S., Vormisto, J., **Svenning, J.-C.**, Grández, C. & Balslev, H. 2006. Geographical and environmental controls of palm beta diversity in paleo-riverine terrace forests in Amazonian Peru. *Plant Ecology* 186:161-176.
33. Thomsen, R.P., **Svenning, J.-C.** & Balslev, H. 2005. Overstorey control of understorey species composition in a near-natural temperate broadleaved forest in Denmark. *Plant Ecology* 181:113-126.
32. Macía, M.J. & **Svenning, J.-C.** 2005. Oligarchic dominance in western Amazonian plant communities. *Journal of Tropical Ecology* 21:613-626.
31. Bjorholm, S, **Svenning, J.-C.**, Skov, F. & Balslev, H. 2005. Environmental and spatial controls of palm (*Arecaceae*) species richness across the Americas. *Global Ecology & Biogeography* 14:423-429.
30. Condit, R., Ashton, P., Balslev, H., Brokaw, N., Bunyavejchewin, S., Chuyong, G., Co, L., Dattaraja, H.S., Davies, S., Esufali, S., Ewango, C.E.N., Foster, R., Gunatilleke, N., Gunatilleke, S., Hernandez, C., Hubbell, S., John, R., Kenfack, D., Kiratiprayoon, P.S., Hart, T., Itoh, A., LaFrankie, J.V., Liengola, I., Lagunzad, D., Loo de Lao, S., Losos, E., Magård, E., Makana, J.-M., Manokaran, N., Navarrete, H., Nur, S.M., Okhubo, T., Pérez, R. Samper, C., Seng, L.H., Sukumar, R., **Svenning, J.-C.**, Tan, S., Thomas, D., Thompson, J., Vallejo, M.I., Villa Muñoz, G., Valencia, R., Yamakura, T. & Zimmerman, J.K. 2005. Tropical tree α -diversity: Results from a worldwide network of large plots. *Biologiske Skrifter* 55:565-582.
29. Boll, T., **Svenning, J.-C.**, Vormisto, N., Normand, S., Grández, C. & Balslev, H. 2005. Spatial distribution and environmental preferences of the piassaba palm *Aphandra natalia* (*Arecaceae*) along the Pastaza and Urituyacu rivers in Peru. *Forest Ecology and Management* 213:175-183.
28. **Svenning, J.-C.** & Wright, S.J. 2005. Seed limitation in a Panamanian forest. *Journal of Ecology* 93:853-862.
27. **Svenning, J.-C.** & Skov, F. 2005. The relative roles of environment and history as controls of tree species composition and richness in Europe. *Journal of Biogeography* 32:1019-1033.
26. **Svenning, J.-C.**, Kinner, D.A., Stallard, R.F., Engelbrecht, B.M.J. & Wright, S.J. 2004. Ecological determinism in plant community structure across a tropical forest landscape. *Ecology* 85:2526-2538.
25. Windeballe, B.S., **Svenning, J.-C.** & Balslev, H. 2004. The influence of past land-use on understory plant distribution in a near-natural deciduous forest in Denmark. *Nordic Journal of Botany* 23:69-81.

24. **Svenning, J.-C.** & Skov, F. 2004. Limited filling of the potential range in European tree species. *Ecology Letters* 7:565-573 + 8:240.
23. Vormisto, J., **Svenning, J.-C.**, Hall, P. & Balslev, H. 2004. Diversity and dominance in palm (Arecaceae) communities in *terra firme* forests in the western Amazon basin. *Journal of Ecology* 92:577-588.
22. Valencia, R., Foster, R.B., Villa, G., Condit, R., **Svenning, J.-C.**, Hernández, C., Romoleroux, K., Losos, E. Magård, E. & Balslev, H. 2004. Tree species distributions and local habitat variation in the Amazon: a large forest plot in eastern Ecuador. *Journal of Ecology* 92:214-229.
21. Skov, F. & **Svenning, J.-C.** 2004. Potential impact of climate change on the distribution of forest herbs in Europe. *Ecography* 27:366-380+827-828.
20. **Svenning, J.-C.** 2003. Deterministic Plio-Pleistocene extinctions in the European cool-temperate tree flora. *Ecology Letters* 6:646-653.
19. Skov, F. & **Svenning, J.-C.** 2003. Predicting plant species richness in a managed forest. *Forest Ecology and Management* 180:583-593.
18. Dominy, N.J., **Svenning, J.-C.** & Li, W.-H. 2003. Historical contingency in the evolution of primate color vision. *Journal of Human Evolution* 44:25-45.
17. **Svenning, J.-C.** 2002. A review of natural vegetation openness in Northwestern Europe. *Biological Conservation* 104:133-148. [focus of a Nature News and Views article: Sutherland, W.J. 2002. Openness in management. *Nature* 481:834-835.]
16. **Svenning, J.-C.** & Macía, M.J. 2002. Harvesting of *Geonoma macrostachys* leaves for thatch: an exploration of sustainability. *Forest Ecology and Management* 167:251-262.
15. **Svenning, J.-C.** & Skov, F. 2002. Mesoscale distribution of understorey plants in managed temperate forest (Kalø, Denmark): the importance of environment and dispersal. *Plant Ecology* 160:169-185.
14. **Svenning, J.-C.** 2002. Crown illumination limits the population growth rate of a neotropical understorey palm (*Geonoma macrostachys*, Arecaceae). *Plant Ecology* 159:185-199.
13. **Svenning, J.-C.** 2002. Non-native ornamental palms invade a secondary tropical forest in Panama. *Palms* 46:81-86.
12. Duivenvoorden, J.F., **Svenning, J.-C.** & Wright, S.J. 2002. [Perspectives] Beta diversity in tropical forests. *Science* 295:636-637.
11. Olesen, J.M., Christensen, A.M., Eskildsen, L.I., **Svenning, J.-C.** & Lindberg, R. 2002. Plants in the Devil's garden: intruders of an ant-plant mutualism. *Ecotropica* 8:81-86.
10. Borchsenius, F., Balslev, H. & **Svenning, J.-C.** 2001. Two new species of *Geonoma* sect. *Taenianthera* (Burret) W. Boer from the western Amazon. *Nordic Journal of Botany* 21:341-347.
9. **Svenning, J.-C.** 2001. On the role of microenvironmental heterogeneity in the ecology and diversification of neotropical rain forest palms (Arecaceae). *Botanical Review* 67:1-53.
8. **Svenning, J.-C.** 2001. Environmental heterogeneity, recruitment limitation, and the mesoscale distribution of palms in a tropical montane rain forest (Maquipucuna, Ecuador). *Journal of Tropical Ecology* 17:97-113.
7. **Svenning, J.-C.** 2000. Small canopy gaps influence plant distributions in the rain forest understory. *Biotropica* 32:252-261.
6. **Svenning, J.-C.** 2000. Growth strategies of clonal palms (Arecaceae) in a Neotropical rain forest, Yasuní, Ecuador. *Australian Journal of Botany* 48:167-178.
5. **Svenning, J.-C.** 1999. Microhabitat specialization in a species-rich palm community in Amazonian Ecuador. *Journal of Ecology* 87:55-65.
4. **Svenning, J.-C.** 1999. Recruitment of tall arborescent palms in the Yasuní National Park, Amazonian Ecuador: are large treefall gaps important? *Journal of Tropical Ecology* 15:355-366.
3. **Svenning, J.-C.** & Balslev, H. 1999. Microhabitat-dependent recruitment of *Iriartea deltoidea* (Arecaceae) in Amazonian Ecuador. *Ecotropica* 5:69-74.
2. **Svenning, J.-C.** & Magård, E. 1999. Population ecology and conservation status of the last natural population of English yew *Taxus baccata* in Denmark. *Biological Conservation* 88:173-182.

1. **Svenning, J.-C.** 1998. The effect of land-use on the local distribution of palm species in an Andean rain forest fragment in northwestern Ecuador. *Biodiversity and Conservation* 7:1529-1537.

Book chapters, proceedings, reports and other scientific publications:

54. Lenoir, J., **Svenning, J.-C.** & Sheffer, M. 2023. Latitudinal and elevational range shifts under contemporary climate change. *Encyclopedia of Biodiversity*, 3rd ed. (ed S.M. Scheiner), <https://doi.org/10.1016/B978-0-12-384719-5.00375-0>. Academic Press, Elsevier.
53. Muller-Landau, H.C. & **Svenning, J.-C.** In press. Landscape-level variation across the Barro Colorado Nature Monument. In: *The First 100 Years of Research on Barro Colorado Island: Plant and Ecosystem Science*, Muller-Landau, H.C. & Wright, S.J. (eds). Smithsonian Institution Scholarly Press.
52. Di Bitetti, M., Mata, J. & **Svenning, J.-C.** 2023. Sobre el uso de mamíferos no nativos para el reasilvestramiento (rewilding) trófico en el Neotrópico. *Mastozoología Neotropical* 29:001-015.
51. Normand, S., Egemose, S., Kaae, B.C., Madsen, N., Olsen, B.E., Rahbek, C., Strange, N., **Svenning, J.-C.**, & Timmermann, K. 2022. *Fra tab til fremgang - beskyttet natur i Danmark i et internationalt perspektiv*. Biodiversitetsrådet.
50. Di Bitetti, M., Mata, J. & **Svenning, J.-C.** 2022. Exotic mammals and rewilding in the Neotropics. *Mastozoología Neotropical* 29:001-015.
49. Monsarrat, S., Fernández, N., Pereira, H.M. & **Svenning, J.-C.** 2022. Supporting the restoration of complex ecosystems requires long-term and multi-scale perspectives. *Ecography* 2022:e06354.
48. Reid, R.E.B., McGuire, J.L., **Svenning, J.-C.**, Wingard, G.L. & Moreno-Mateos, D. 2022. Review of ESA SYMP7: Establishing temporal connectivity at the intersection between paleoecology and restoration ecology. *Bulletin of the Ecological Society of America* 103:e01954.
47. Kuemmerle, T., Smith, H.G., Cromsigt, J., Lindborg, R., **Svenning, J.-C.** & Thulin, C.-G. 2021. Återställning av vildare natur för människor och biologisk mångfald. *CEC Policy Brief* 2021:8.
46. **Svenning, J.-C.** 2020. Rewilding should be central to global restoration efforts. *One Earth* 3:657-660.
45. Monsarrat, S., Hansen, O.L.P. & **Svenning, J.-C.** 2020. Highly variable impacts of feral horses on ecosystems worldwide. *Biological Conservation* 247:108616.
44. Riede, F., Hussain, S.T., Timmreck, C. & **Svenning, J.-C.** 2020. CLIOdynamic ARCHAeology: computational approaches to Final Palaeolithic/Early Mesolithic archaeology and climate change. *Antiquity* 94:e13.
43. Anderson, R.M., Buitenwerf, R., Driessen, C., Genes, L., Lorimer, J. & **Svenning, J.-C.** 2019. Introducing rewilding to restoration to expand the conservation effort – a response to Hayward et al. *Biodiversity and Conservation*, <https://doi.org/10.1007/s10531-019-01845-1>.
42. Araújo, M.B., **Svenning, J.-C.** & Tuomisto, H. 2019. Ecography's flip to a pay-to-publish model. *Ecography* 42:1456-1457.
41. **Svenning, J.-C.**, Munk, M. & Schweiger, A. 2019. Trophic rewilding – ecological restoration of top-down trophic interactions to promote self-regulating biodiverse ecosystems. In: Pettoirelli, N. et al. *Rewilding*, pp. 73-98. British Ecological Society (BES) Ecological Reviews Series. Cambridge University Press.
40. Bakker, E.S. & **Svenning, J.-C.** 2018. Trophic rewilding: impact on ecosystems under global change. *Philosophical Transactions of the Royal Society B: Biological Sciences* 373:20170432.
39. Van Meerbeek, K. & **Svenning, J.-C.** 2018. Causing confusion in the debate about the transition towards a more plant-based diet. *Proceedings of the National Academy of Science USA* 115:E1701-E1702.
38. Galetti, M., Root-Bernstein & **Svenning, J.-C.** 2017. Challenges and opportunities for rewilding South American landscapes. *Perspectives in Ecology and Conservation* 15:245-247.
37. **Svenning, J.-C.** 2017. Future megafaunas: A historical perspective on the potential for a wilder Anthropocene. In: Tsing, A. L. et al. *Arts of living on a damaged planet*, pp. G67-G86. University of Minnesota Press, Minneapolis.

36. Lippert, C.S., Bøcher, P. & **Svenning, J.-C.** 2017. Udbredelsen af vildsvin (*Sus scrofa*) i Danmark 2007-2013 samt dets foretrukne habitattyper. *Flora og Fauna* 123:11-22.
35. Grønne, M.-L.M., Bøcher, P. & **Svenning, J.-C.** 2016. Rewilding med heste – potentielle genudsætningsområder i Danmark. *Flora og Fauna* 122:67-76.
34. Alexander, C., Arge, L., Bøcher, P.K., Revsbæk, M., Sandel, B., **Svenning, J.-C.**, Tsirogiannis, C. & Yang, J. 2016. Computing river floods using massive terrain data. In: *Geographic Information Science: 9th International Conference, GIScience 2016, Montreal, QC, Canada, September 27-30, 2016, Proceedings* (eds. Miller, A.J-, O'Sullivan, D. & Wiegand, N.), pp. 3-17. Springer International Publishing.
33. Ellis, E.C., Richerson, P.J., Mesoudi, A., Svenning, J.-C., Odling-Smee, J. & Burnside, W.R. 2016. Evolving the human niche. *Proceedings of the National Academy of Science USA* 112:E4436.
32. Koureas, D., Hardisty, A., Vos, R., Agosti, D., Arvanitidis, C., Bogatencov, P., Buttigieg, P., de Jong, Y., Horvath, F., Gkoutos, G., Groom, Q., Kliment, T., Köljalg, U., Manakos, I., Marcer, A., Marhold, K., Morse, D., Mergen, P., Penev, L., Pettersson, L., **Svenning J.-C.**, van de Putte, A. & Smith, V. 2016. Unifying European Biodiversity Informatics (BioUnify). *Research Ideas and Outcomes* 2:e7787.
31. Morueta-Holme, N., Engemann, K., Sandoval-Acuña, P., Jonas, J.D., Segnitz, R.M. & **Svenning, J.-C.** 2016. Reply to Sklenár: Upward vegetation shifts on Chimborazo are robust. *Proceedings of the National Academy of Science USA* 113:E409-E410.
30. Morueta-Holme, N., Engemann, K., Sandoval-Acuña, P., Jonas, J.D., Segnitz, R.M. & **Svenning, J.-C.** 2015. Reply to Feeley and Rehm: Land-use intensification increases risk of species losses from climate change. *Proceedings of the National Academy of Science USA* 112:E6085.
29. Smith, F.A., Doughty, C.E., Malhi, Y., **Svenning, J.-C.** & Terborgh, J. 2016. Megafauna in the Earth system. *Ecography* 39:99-108.
28. Lortie, C.J. & **Svenning, J.-C.** 2015. The diversity of diversity studies: retrospectives and future directions. *Ecography* 38:330–334.
27. **Svenning, J.-C.** 2014. New spatial and temporal perspectives on the assembly of biotas and communities. Special issue: International Biogeography Society, 6th biennial International Conference. *Ecography* 37:1022–1023.
26. Sandom, C., Donlan, C.J., **Svenning, J.-C.** & Hansen, D. 2013. Rewilding. In: MacDonald, D.W. & Willis, K.J. (eds). *Key Topics in Conservation Biology* 2, pp. 430-451. John Wiley & Sons.
25. Lenoir, J. & **Svenning, J.-C.** 2013. Latitudinal and elevational range shifts under contemporary climate change. *Encyclopedia of Biodiversity*, 2nd ed. (ed S.A. Levin), pp. 599-611. Academic Press, Waltham.
24. Sandom, C., **Svenning, J.-C.** & Ejrnæs, R. (2012) *Rewilding as tool and target in the management for biodiversity – a one day symposium for scientists, managers and stakeholders. Aarhus University, 11 April 2012.* Department of Bioscience, Aarhus University.
23. **Svenning, J.-C.**, Fløjgaard, C., Sandom, C. & Ejrnæs, R. (2012) Plads til vild natur i Danmark i 2020? Om behovet for store sammenhængende naturområder. In: *Danmarks natur frem mod 2020 - om at stoppe tabet af biologisk mangfoldighed* (ed H. Meltofte), pp. 77-80. Det Grønne Kontaktudvalg.
22. Rahbek, C., Agger, P., Bruun, H.H., Ejrnæs, R., Sand-Jensen, K., Strange, N. & **Svenning, J.-C.** (2012) Danmarks biodiversitets fremtid - de væsentligste udfordringer og højest prioriterede virkemidler. In: *Danmarks natur frem mod 2020 - om at stoppe tabet af biologisk mangfoldighed* (ed H. Meltofte), pp. 101-112. Det Grønne Kontaktudvalg.
21. Skov, F., **Svenning, J.-C.** & Rahbek, C. (2012) Hvordan sikrer vi biodiversiteten under fremtidens klimaforandringer? In: *Danmarks natur frem mod 2020 - om at stoppe tabet af biologisk mangfoldighed* (ed H. Meltofte), pp. 71-76. Det Grønne Kontaktudvalg.

20. Høye, T.T., Ejrnæs, R., Dalgaard, T., **Svenning, J.-C.** & Topping, C.J. (2012) Hvordan sikrer vi agerlandets biodiversitet? In *Danmarks natur frem mod 2020 - om at stoppe tabet af biologisk mangfoldighed* (ed H. Meltofte), pp. 49-53. Det Grønne Kontaktudvalg.
19. Sandel, B., Arge, L., Dalsgaard, B., Davies, R.G., Gaston, K.J., Sutherland, W.J. & **Svenning, J.-C.** 2012. Response-global endemism needs spatial integration. *Science* 335:285-286.
18. Fløjgaard, C. & **Svenning, J.-C.** 2011. One step closer towards disentangling competing hypotheses in macroecology. *Frontiers of Biogeography* 3(2):44-45.
17. **Svenning, J.-C.** 2011. Climate change biogeography. *Frontiers of Biogeography* 3(1):20.
16. Sfentourakis, S. & **Svenning, J.-C.** 2011. Mediterranean biogeography: where history meets ecology across scales. *Frontiers of Biogeography* 3(1):7-9.
15. Greve, M. & **Svenning, J.-C.** 2011. Dealing with data: save stored specimens. *Science* 331:1511.
14. Zimmermann, N.E., Edwards, Jr., T.C., Graham, C.G. Pearman, P.B. & **Svenning J. C.** 2010. New trends in species distribution modeling. *Ecography* 33:985-989.
13. Basse, E.M., **Svenning, J.-C.**, Olesen, J. O., Besenbacher, F., Læssøe, J., Seidenkrantz, M.-S. & Lange, L. 2009. The 7 Aarhus statements on climate change. *IOP Conference Series: Earth and Environmental Science* 8:011002.
12. **Svenning, J.-C.**, Kerr, J.T. & Rahbek, C. 2009. Predicting future shifts in species diversity. *Ecography* 32:1-2.
11. **Svenning, J.-C.** & Condit, R. 2008. [Perspectives] Biodiversity in a warmer world. *Science* 322:206-207.
10. **Svenning, J.-C.** 2007. 'Pleistocene re-wilding' merits serious consideration also outside North America [guest editorial]. *IBS Newsletter* 5(3):3-9.
9. Clausen, J., **Svenning, J.-C.** & Salo, J. 2007. *Plant diversity and distribution patterns in the Peruvian Amazonia*. Report prepared for the project *Biological Diversity of Peruvian Amazonia (BIODAMAZ, Phase II, Peru - Finland), Dissemination Phase*.
8. Skov, F., **Svenning, J.-C.** & Normand, S. 2006. *Sandsynlige konsekvenser af klimaændringer på artsudbredelser og biodiversitet i Danmark - Potentielle konsekvenser af klimaændringer for artsudbredelser og biodiversitet i Danmark med karplanter som eksempel Miljøprojekt nr. 1120*. Miljøstyrelsen [Danish Environmental Protection Agency], Copenhagen, Denmark.
7. Valencia, R., Condit, R., Romoleroux, K., Foster, R.B., Muñoz, G.V., Losos, E.C., Balslev, H., **Svenning, J.-C.** & Magård, E. 2004. Tree species diversity and distribution in a forest plot at Yasuní National Park, Amazonian Ecuador. In: Losos, E.C. & Leigh Jr., E. G. (eds). *Tropical forest diversity and dynamism. Findings from a large-scale plot network*, pp. 107-118. The University of Chicago Press, Chicago, USA.
6. Valencia, R., Condit, R., Foster, R.B., Romoleroux, K., Muñoz, G.V., **Svenning, J.-C.**, Magård, E., Bass, M., Losos, E.C. & Balslev, H. 2004. Yasuní Forest Dynamics Plot, Ecuador. In: Losos, E.C. & Leigh Jr., E. G. (eds). *Tropical forest diversity and dynamism. Findings from a large-scale plot network*, pp. 609-620. The University of Chicago Press, Chicago, USA.
5. **Svenning, J.-C.** 2004. Using the preceding interglacials to provide a dynamic base-line for European nature. In: *Proceedings from the workshop "Mapping and monitoring of natural areas in the Nordic countries - November 1-3, 2002, Fuglsø, Denmark"*, Ejrnæs, R. & Fredshavn, J. (eds), pp. 32-36. NERI, Kalø, Denmark.
4. Duivenvoorden, J.F., **Svenning, J.-C.** & Wright, S.J. 2002. [Technical Comments] Beta-diversity on tropical forests - Response. *Science* 297:1439a.
3. **Svenning, J.-C.** 2000. Environmental heterogeneity affects the distribution and performance of the Yasuní palms. *Inside CTFS*, Summer:2+10.
2. **Svenning, J.-C.** & Balslev, H. 1998. The palm flora of the Maquipucuna montane forest reserve, Ecuador. *Principes* 42:218-226.
1. **Svenning, J.-C.** & Balslev, H. 1997. Small-scale demographic disequilibrium of *Iriartea deltoidea* (Arecaceae) in Amazonian Ecuador. In: *Estudios sobre diversidad y ecología de plantas: memorias del II Congreso Ecuatoriana de Botánica realizado en la Pontificia*

Universidad Católica del Ecuador, Valencia, R. & Balslev, H. (eds), pp. 263-274. PUCE, University of Aarhus & DIVA. Quito, Ecuador.

Popular science publications:

30. Fricke, E., Ordonez, A., Rogers, H. & **Svenning, J.-C.** 2022. With fewer animals to spread their seeds, plants could have trouble adapting to climate change. *The Conversation*, <https://theconversation.com/with-fewer-animals-to-spread-their-seeds-plants-could-have-trouble-adapting-to-climate-change-174516>.
29. Kuemmerle, T., Smith, H.G., Cromsigt, J., Lindborg, R., **Svenning, J.-C.** & Thulin, C.-G. 2021. Restoring wilder landscapes for people and biodiversity. *CEC POLICY BRIEF*, 8. Centre for Environmental and Climate Science (CEC), Lund University, Sweden.
28. **Svenning, J.-C.** 2021. Den tidsdybe natur. In: Gjerløff, A.K. & Vad, K.E. (eds) *Hvilken natur? En antologi om natursyn og natur i Danmark*, pp. 69-75. Biologiforbundet.
27. Klynge, D., **Svenning, J.-C.** & Skov, F. 2020. Ændringer i floraen i skovene ved Kalø over 25 år. *Vand & Jord* 27:101-204.
26. Barfod, A., et al., **Svenning, J.-C.** & Søndergaard, M. 2020. Genopretning af biodiversitet og økosystemer i Danmark. Det danske IPBES-samarbejde: Aarhus, København, Roskilde og Syddansk Universitet samt DTU Aqua.
25. **Svenning, J.-C.** 2017. Elefanten i det økologiske rum. *Carlsbergfondets Årsskrift* 2017:28-35.
24. Bruun, H.H., Ejrnæs, R., Rahbek, C., **Svenning, J.-C.**, Hansen, M.D.D., Strandberg, B. & Geldmann, J. 2017. Topforskere: Her er fakta i debatten om bier. *Altinget*, November 17.
23. **Svenning, J.-C.** & Fjalland, J. 2016. Bevarelse af Jordens biologiske mangfoldighed. FN's verdensmål nr. 15. In: Hildebrandt, S. (ed.) *Bæredygtig global udvikling – FN's Verdensmål - i et dansk perspektiv*, pp. 352-371. Jurist- og Økonomiforbundets Forlag.
22. Brunbjerg, A.K., Jørgensen, G.P., Nielsen, K.M., Pedersen, M.L., **Svenning, J.-C.** & Ejrnæs, R. 2015. Dansk klitnatur trues af stabilitet. *Vand & Jord* 22(2):64-68.
21. Bruun, H.H., Ejrnæs, R., Hansen, M.D.D., Heilmann-Clausen, J., Rahbek, C. & **Svenning, J.-C.** 2015. Forskere: her er fakta om biodiversitet i skovene. *Altinget*, May 12, 2015.
20. **Svenning, J.-C.**, Fløjgaard, C., Ejrnæs, R. & Pedersen, P.B.M. 2014. Rewilding. *Natur og Museum* 53(4).
19. **Svenning, J.-C.** 2014. Plantelivet under pres. *Weekendavisen* (36): Ideer, 8-9.
18. Faurby, S. & **Svenning, J.-C.** 2014. Hvor blev alle de store dyr af? *Aktuel Naturvidenskab* 4: 22-27.
17. **Svenning, J.-C.** 2014. Naturen i bevægelse – klimaets betydning for den biologiske mangfoldighed. In: *Søforklaringer*, pp. 304-319. Aarhus University Press, Aarhus.
16. Normand, S., Forchhammer, M.C., Høye, T.T., Jeppesen, E. & **Svenning, J.-C.** 2012. Nielsen, M.A. (ed.). Grønlands biodiversitet – klimaets betydning i fortid, nutid og fremtid. In: *Grønlands fascinationskraft – fortællinger fra polarforskningen*, pp. 148-161. Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark.
15. **Svenning, J.-C.**, Sandom, C. & Ejrnæs, R. 2012. Fremtidens natur med store dyr. *Aktuel Naturvidenskab* (2):2.
14. **Svenning, J.-C.**, Sandel, B., Fløjgaard, C. & Forchhammer, M.C. 2010. Økoinformatik – økologi i en syndflod af data. *Aktuel Naturvidenskab* (5):34-37.
13. Fløjgaard, C., Morueta-Holme, N., Normand, S., **Svenning, J.-C.** & Skov, F. 2010. Værktøj til forvaltning af natur i forandring. *Klima&Tilpasning. KFT's konferencemagasin*, 42-43.
12. Morueta-Holme, N., Normand, S., Fløjgaard, C., **Svenning, J.-C.** & Skov, F. 2010. Hvad kommer, hvad forsvinder. *Klima&Tilpasning. KFT's konferencemagasin*, 40-41.
11. **Svenning, J.-C.** 2009. Klimaændringerne og den danske natur. *Skov & Folk* 26(3):4-5.
10. Skov, F. & **Svenning, J.-C.** 2009. Den danske natur og klimaændringerne. *Kasketot* 174 (3):8-13.
9. **Svenning, J.-C.**, Normand, S. & Skov, F. 2008. Konsekvenser af den globale opvarmning for den danske flora og vegetation. *Flora & Fauna* 113:111-120.

8. **Svenning, J.-C.** 2007. Bringing back Europe's prehistoric beasts. *Scientific American*, on-line [Presented as top story]
7. Skov, F. & **Svenning, J.-C.** 2003. Biodiversitet - et strategisk perspektiv. *MiljøForskning* 54:18-23.
6. **Svenning, J.-C.** 2002. Regnskovens gåde - på vej mod opklaring. *Naturens Verden* 85(2):14-23.
5. **Svenning, J.-C.** & Poulsen, A. D. 2000. Amazonskoven - en grøn mosaik. *Naturens Verden* 83(2):14-21.
4. **Svenning, J.-C.** 2000. Taks har aner tilbage til "Jurassic Park". *Skov & Folk* 17(1):10-11.
3. **Svenning, J.-C.** 1999. Danske egekrat i et evolutionært perspektiv: et svar til Peter Wind. *URT* 23:60-63.
2. **Svenning, J.-C.** 1999. Gensplejsede træer vil forurene de oprindelige naturområder og skabe en ensidig natur. *Skov & Folk* 16(3):10-11.
1. Magård, E. & **Svenning, J.-C.** 1995. A day at the Yasuní Forest Dynamics Plot. *Inside CTFS*, Fall:3

Textbooks and other educational material:

3. Borchsenius, F. & **Svenning, J.-C.** 2016. Uddøen. In: *Evolutionsbiologiske milepæle*, Finster, K. et al. (eds), pp. 212-240. Aarhus University Press.
2. **Svenning, J.-C.** & Borchsenius, F. 2010. Klimaændringernes indflydelse på verdens skove. In: *SKOV klima & mennesker*, Moseholm, N.B. & Ettliger, R.B. (eds), pp. 28-33. Nepenthes.
1. Skov, F., **Svenning, J.-C.** & Normand, S. 2008. Hvad sker der med naturen når klimaet ændrer sig? In: *Klimaændringerne: Menneskehedens hidtil største udfordring*, Meltofte, H. (ed.), pp. 75-85. Danmarks Miljøundersøgelser & Forlaget Hovedland.

INTERNATIONAL WORKSHOPS AND WORKING GROUPS: FRIPRO Toppforsk project *ECOGEN - Ecosystem change and species persistence over time: a genome-based approach*, 2016-2023; *Synthesis on the biodiversity Responses to Rewilding management on Abandoned Landscapes (sREAL)*, iDiv, 2016-2017; Megafauna, Doñana Biological Station (EBD-CSIC), 2016-2017; *Biotic interactions across space and time (sCircus)* workshop, Göttingen, 2015, *Macroecology workshop*, Institute of Botany, Chinese Academy of Sciences, 2014; *RAINBIO (Dynamique de la forêt tropicale en afrique : implications pour la conservation de la biodiversité tropicale)* working group, CESAB, 2013-2016; sDiv workshop *Biodiversity across spatial scales*, iDiv, 2013; *Language macroecology* working group, 2012-2014; *Advancing Concepts and Models in Range Dynamics Studies*, 2012-2013; NordForsk Nordic Researcher Network "Stay or Go?", 2010-2013; NordForsk Nordic Network on Climate & Biodiversity (CBIO-NET), 2010-2013; NordForsk Nordic Network on Species Range Dynamics (NORA), 2009-2013; US National Center for Ecological Analysis and Synthesis (NCEAS) working group *Botanical Information and Ecology Network (BIEN)*, 2008-; *FRontiers in niche MODelling (FRONTMOD)*, 2008-2013; *Towards an Integrative Approach for Evaluating Species' Distributional Responses to Rapid Environmental Change* (CSIC, Madrid, Spain), 2008; *Utility of Species Distribution Models as Tools for Assessing Impacts of Global Change* (Swiss Federal Research Institute & USGS/Utah State University, Riederalp; Switzerland), 2008; *Current and Past Determinants of Western Palearctic Biodiversity* (Imperial College, London, UK), 2008-.

TEACHING (*course responsible): *Biogeography & Macroecology** (10 ECTS MSc course, Dept. Biosci., Aarhus University, annual, 2006-); *Ecosystem roles of megafauna in the past, present, and future—theory and methods for basic and applied science* (4 ECTS PhD course, Dept. Biosci., Aarhus University, 2022, 2023); *Ecoinformatics & Macroecology** (TerraNova Marie Skłodowska-Curie Innovative Training Network PhD course, 2021); *Geospatial Ecology** (3.75 ECTS MSc course), Sino-Danish Center for Education and Research, Beijing, annual, 2016-2020); *Megafauna ecology – shaping past, present and future ecosystems** (4 ECTS PhD course, Dept. Biosci., Aarhus University, 2019); *Ecosystem roles of megafauna in the past, present, and future** (4 ECTS PhD course, Dept. Biosci., Aarhus University, 2017); *Geospatial Ecology &*

*Environmental Geography** (5 ECTS MSc course, Sino-Danish Center for Education and Research, Beijing, 2013, 2014, 2015); *Journal Club in Ecoinformatics** (5 ECTS PhD course, all semesters, 2007-); *Biologiens forskning – teori og praksis* (5 ECTS BSc course, Dept. Biol. Sci., Aarhus University, w/ all dept. teachers, 2011, 2012 ×2). *Biologisk Projektarbejde*: 2008, 3×2012, 5×2013, 2×2014, 7×2015, 5×2016, 2×2017, 1×2018, 2×2019, 1×2020, 1×2021, 2×2023. *Erhvervsprojekt for biologer*: 2×2019, 1×2020, 1×2022, 2×2024. *NordForsk Nordic Network on Species Range Dynamics (NORA) PhD Summerschool Species Distribution Modelling** (6 ECTS PhD course, Sandbjerg Estate, 2010). *Introductory Course to MSc students at Systematic Botany** (5 ECTS, Dept. Biol. Sci., Aarhus University, w/ the other thesis supervisors in the Systematic Botany group, 2006). *Plant Biogeography & Macroecology* (15 ECTS MSc course, Dept. Biol. Sci., Aarhus University, 2003, 2004, 2005). *Naturen om 100 år** (1-day course, High School Practice Day, Dept. Biol. Sci., Aarhus University, 2005). *Introduction to JMP** (1-hr course MSc course, Dept. Biol. Sci., Aarhus University, 2005). Teaching assistant, Aarhus University, 1996-1999.

POSTDOCS (*ongoing, †main supervisor): 1: Julissa Roncal 2007-2009. †2: Jonathan Lenoir 2008-2011. †3: W. Daniel Kissling 2010-2011. †4: Lars Bach 2010-2011. †5: Toke Høye 2011. †6: Brody Sandel 2010-2011. †7: Signe Normand 2010. †8: Pedro Abellán 2010-2012. †9: Christopher. J. Sandom 2011-2012. †10: Cicimol Alexander 2011-2013. †11: Mirkka Jones 2011-2013. 12: Leonard Sandin. †13: Diego Nieto Lugilde 2011-2013. †14: Søren Faurby 2012-2015. †15: Helen Wheeler 2012-2014. †16: Jean-Yves Barnagaud 2012-2013. †17: Tom Davidson 2012-2015. †18: Alejandro Ordonez 2013-2017. †19: Wolf L. Eiserhardt 2013-2014. 20: Sandra Brucet 2013-2015. †21: Marco Giradello 2014-2016. 22: Blas M. Benito 2014-2016. †23: Meredith Root-Bernstein 2014-2016. †24: Vincent Pellissier 2014-2016. †25: Gary R. Watmough (MSCA IF) 2015-2017. †26: Jian Zhang 2015-2016. †27: Rob J. Lewis (incl. as MSCA IF) 2015-2019. †28: Manuel Steinbauer (incl. as MSCA IF) 2015-2017. †29: Isabelle Boulangeat 2015-2017. †30: Timo Conradi 2015-2017. †31: Anne Eskildsen 2015-2016. 32: Anne Mimet 2015-2016. 33: Robert Buitenwerf 2015-2019, †2018-2019. †34: Kristine Engemann Jensen 2016-2019. †35: Anne-Christine Monnet 2016-2017. †36: Anne Blach-Overgaard 2016-2017. †37: Andreas Schweiger 2016-2017. †38: Matt Davis 2016-2018. †39: José M. Serra-Diaz 2017-2019. †40: Silvia Ceaușu 2017-2019. †41: Koenraad van Meerbeek 2017-2018. †42: Scott Jarvie 2017-2019. †43: Kai Yue, 2018-2019. †44: Wang Li, 2017, 2019-2020, 2020-2022 (MSCA IF). †45: Wenyong Guo, 2018-2020. †46: Christopher E. Gordon, 2018-2020. †47: Susanne M. Vogel, 2018-2022. †48: Sophie Monsarrat, 2019-2022. †49: Lanhui Wang, 2021-2022. †50: Erick J. Lundgren, 2021-2022. *†51: Rasmus Ø. Pedersen, 2021-2023. *†52: Tora FINDERUP, 2021-2023. *†53: Ninad A. Mungi, 2021-2025. *†54: Oskar L.P. Hansen, 2021-2023. *†55: Juraj Bergman, 2021-2025 (as Assistant Professor, 2023-2025). *†56: Coline Boonman, 2022-2023. *†57: Julia C. Mata, 2021-2023. *†58: Elena A. Pearce, 2023-2024. *†59: Rhys T. Lemoine, 2023. *†60: Ming Ni, 2023-2025. *†61: Matthew R. Kerr, 2023-2025. *†62: Joe Atkinson, 2023-2025. *63: Sean E.H. Pang, 2023-2025. *64: Wanben Wu, 2023-2025. *65: Camille Magneville, 2023-2026.

THESIS STUDENTS (*ongoing, †JCS: main supervisor):

— PhD, Aarhus University (or institution given in parentheses): 1: Stine W. BJORHOLM 2008. †2: Signe Normand 2010, Ministry of Science's **EliteForsk** travel stipend for PhD students, 2007. 3: Thea Kristiansen 2010. †4: Anne Blach-Overgaard 2012. †5: Jesper E. Moeslund 2012. †6: Camilla Fløjgård 2011. †7: Michelle Greve 2012. 8: Wolf Eiserhardt 2011. †9: Naia Morueta-Holme 2014, Ministry of Science's **EliteForsk** travel stipend for PhD students, 2011. †10: Ane K. Brunbjerg 2013. 11: Mette V. Odgaard 2014. 12: Tovaranonte Jantrararuk 2012. 13: Marija Mayer 2013. 14: Lars Dalby 2013. 15: Korhan Özkan 2013. 16: Roseberg Menezes 2012. †17: Allan Timmermann 2014. 18: Kornkanok Tangjitman 2014 (Chiang Mai Univ., Thailand). 19: Viola Pavlova 2015. 20: Kent Olsen 2016. 21: Andrea O. Christensen. 22: Anders Juel 2014. †23: Kristine Engemann Jensen 2015. †24: Jonas Nüchel. 25: Katrine Turner 2015. †26: Pil B.M. Pedersen 2018, Ministry of Higher Education and Science's **EliteForsk** travel stipend for PhD students, 2014. †27: Feng Gang

2015. 28: Lærke Stewart 2018. †29: Bastian Gödel 2016. †30: Ziyu Ma 2016. †31: Colin Hoag 2017. †32: Rasmus Ø. Pedersen 2018, Ministry of Higher Education and Science's **EliteForsk** travel stipend for PhD students, 2016 †33: Shuqing Teng 2018. †34: Ditte A. Jensen. †35: Simon Schowanek 2021. †36: Emilio Berti 2020. *†37: Michael Munk. †38: Oskar L.P. Hansen 2021. †39: Julia C. Mata 2021. †40: Vincent Fehr 2021. 41: Esraa Ammar (Tanta University, Egypt) 2021. 42: Claudia Troiano (University of Napoli Federico II, Italy) 2021. *43: Renata Nicora Chequín (IBONE, CONICET, Argentina). †44: Marco Davoli. †45: Elena A. Pearce. †46: Rhys T. Lemoine. †47: Reece Thornley. *†48: Marianne D. Bergin. *†49: Bernard Olivier. *50: Nele Lohrum. *51: Michael S. Nielsen. *52: Katherine Quinlan (Royal Holloway University, UK). *53: Jonas Trepel. *54: Niels Mogensen.

— Cand.scient. (MSc), Aarhus University (or institution given in parentheses): 1: Birgitte S. Windeballe 2003. 2: Karen R. Hansen 2004. 3: Rikke P. Thomsen 2004. 4: S.S. Bak 2005. 5: Adriana Sanjines A. 2005. 6: Narel Paniagua Z. 2005. 7: Tina Juul 2006. 8: Mette Nielsen 2006. 9: Anne Sandal 2006. 10: Jens Clausen 2006. 11: Marianne Sørensen 2006. 12: Rikke Rørby Graversen 2006. 13: Irina Levinsky 2006 (Copenhagen University). †14: Helle Ullmann Hansen 2008. †15: Hélène Hansen 2008. 16: Sandie L. Hansen 2009. 17: Helle Buur Pedersen 2009. †18: Tinne Gaardmand 2009. †19: Tommy Thorsteinsson 2010. †20: Katrine Turner 2011. †21: Jannie K. Svendsen 2012. †22: Trine Jensen 2013. †23: Sandra R. Holm 2013. 24: Christoffer Plum 2013. †25: Pernille J. Naundrup 2014. †26: Joanna B. Olsen 2014. 27: Jakob Humaidan 2014. †28: Sigrild Ilsøe 2014. †29: Maria Dahm 2014. †30: Rehne B. Vokstrup 2015. †31: Jeppe Pilgaard 2016. †32: Maria Henriksen 2016. †33: Marie-Louise G. Nielsen 2016. †34: Sanne Thøgersen 2016. †35: Anne Cathrine Dalgaard 2016. †36: Emil Thøgersen 2016. †37: Michael Munk 2016. †38: Emma F. Vestergaard 2016. †39: Henrik Thers 2016. †40: Jessica Tengwall 2016. 41: Simon Schowanek (Wageningen University) 2016. †42: Jonathan B. Rasmussen 2017. †43: Steffen L. Nielsen, 2017. †44: Klaus Berg 2017. †45: Line Guld 2017. †46: Mette T. Fredriksen 2017. †47: Kasper Skjærlund 2017. †48: Tenna Lyck 2017. †49: Diana Olsen 2017. †50: Marie Warming 2017. †51: Cindy Sørensen 2017. †52: Stine L. Larsen 2017. 53: Anke Müller 2017 (Technical University of Munich). †54: Line B. Bang 2018. †55: Kåre Würtz 2019. †56: Jonas Lauridsen 2018. †57: Fenja M. Winther 2019. †58: David Houborg 2019. †59: Marie Mønsted 2019. †60: Markus Mellerup 2019. †61: Julie K. M. Drud 2020. †62: Mette Grøn (Sino-Danish Center for Education and Research & Copenhagen University) 2019. †62: Jonas Andersen 2019. †63: Clelie Reynaud 2020. †64: Line Skipper 2020. †65: Lea B. Sloth 2020. †66: Louise V. Sørensen 2020. †67: Sofie L. Vesterdal 2020. †68: Maria J. Nørmark 2020. 69: Alexander V. Rudbeck 2020. 70: Sune L. Jepsen 2021. †71: Astrid V. Vad 2021. †72: Nikolaj R. Poulsen 2021. †73: Line Ochelka 2021. †74: Helena Johansen 2021. †75: Helena Wooldridge 2021. †76: Karoline Dohrmann 2022. †77: Rebecca Lyhne 2021. †78: Sofie A. Kjeldgaard 2021. †79: Joanne Fournier 2021. 80: Henrik Christensen 2021. 81: Ugo Bisson 2021. †82: Sarah Le Berre 2021. †83: Aleksandrina L. Mitseva 2022. 84: Ask Herrik 2022. 85: Kåre Krogstrup (University of Southern Denmark) 2023. 86: Julie Petersen (University of Copenhagen) 2023. †87: Ditte Ejrnæs 2023. †88: Bent Rech (Göttingen University) 2023. *89: Terese B. Eriksen. *†90: Vy N. P. Vu. *†91: Camilla D. Jakobsen. *92: Mads Gammelgård. *†93: Tobias Kaae. *†94: Magnus Aaser.

— Bachelor scient. (BSc), Aarhus University (or institution given in parentheses): †1: Naia Morueta-Holme 2008. †2: Peter Højbjerg 2012. †3: Sebastian McQueen 2017. †4: René Ryholl 2017. †5: Julie Søby 2017. †6: Lea Bach Sloth 2019. †7: Nanna R. Svendsen 2019. †8: Signe S. Bay 2019. †9: Malene S. Pejstrup 2019. †10: Jens Peter Paulsen 2019. †11: Anne T. Holst 2019. †12: Line Ochelka 2019. †13: Thomas Hansen 2019. †14: Johannes N. Udsen 2019. †15: Astrid Holm Andersen 2019. †16: Tine E. Andersen 2019. †17: Niels Tang 2019. †18: Laura Bille 2020. †19: Morten Kræpping 2020. †20: Emil Kobberup 2020. 21: Jonathan L. Hansen 2020. 22: Camilla Sandager Lange 2020. †23: Ask Herrik 2020. †24: Andreas B. Boe 2020. 25: Esben H. Brandt 2021. †26: Sean Bek 2021. †27: Eva Christoffersen 2021. 28: Lise Hykkelbjerg 2022. 29: Josefine

F. Andersen 2022. 30: Søren Leegaard 2022. 31: Emma Højgaard 2022. †32: Tine M. Jørgensen 2023. †33: Sarah L. R. Nielsen 2023. †33: Frida Bjerke 2023. †34: Emil. D. Hjulgaard 2024. †35: Tristan S. Rapp 2024. *36: Laura R. Koch. *37: Mette Majgaard.

INVITED LECTURES (coauthored not shown):

Invited lectures at international science meetings: *Dynamic land use changes: opportunity for rewilding?* (keynote, Earth as a Human-Environmental System: Challenges and Dynamics (EarthHES2024), Krakow, 2024); *Deep-time, large-scale perspectives on biodiversity dynamics - implications for biosphere stewardship* (keynote, Netherlands Annual Ecology Meeting (NAEM), Lunteren, 2024); *Urban greenspaces to benefit people and biodiversity – a biogeographic-macroecological perspective* (11th Biennial Conference of the International Biogeography Society, Prague, 2024); *A large-scale, long-term perspective on climate change impacts on biodiversity and society and options to promote a liveable biosphere* (keynote, Biodiversity and Ecosystem services in a Changing Climate (BECC) annual meeting, Lund University & Gothenburg University, online); *Trophic rewilding – ecological and evolutionary background, current implementation outcomes, and future prospects* (keynote, SCB Europe Section Fall Webinar, online, 2023); *Global Health in context of the global environmental crisis – Living conditions for people in a novel biosphere* (MatchPoints conference 'Global Health Challenges and Solutions', Aarhus University, Aarhus, 2023); *Trophic rewilding restoration – insights from macro- and paleoecology* (SOURCES: Integrating historical sources for long-term ecological knowledge and biodiversity conservation, Casa de la Ciencia, Sevilla, 2023); *Trophic rewilding as a key restoration approach – insights from macro- and paleoecology* (keynote, 4th Ecology and Evolution Ireland conference, Dublin, 2023); *Biodiversity dynamics under past, present and future global change – insights from macroecology and implications for biosphere stewardship* (Ernst Haeckel Prize awardee keynote, SFE² GfÖ EEF Joint International Conference on Ecological Sciences, Metz, 2022); *Integrated macroecological-paleoecological perspectives on large-herbivore effects on ecosystems – implications for conservation and restoration* (keynote, 10th Biennial Conference of the International Biogeography Society, Vancouver, 2022); *A large-scale, long-term perspective on climate change impacts on biodiversity and society and options to promote a liveable biosphere* (keynote, Swedish Climate Symposium, Norrköping/online, 2022); *Integrating paleobiology and macroecology to inform current and future megafauna-based rewilding* (keynote, 2nd Crossing the Palaeontological-Ecological Gap (CPEG) conference, Berlin/online, 2021); *Restoring the role of megafauna in European ecosystems* (Connecting Rewilding Science and Practice, Wageningen University & Research, Netherlands Institute of Ecology & Rewilding Europe, Wageningen/online, 2020); *A macroecological perspective on long-term human ecodynamics – the megafauna case* (IMSET workshop: Knowledge gaps in long-term human ecodynamics, Bournemouth/online, 2020); *Towards a biodiverse future: Lessons from a macro-scale perspective on ecology* (keynote, World Biodiversity Forum, Davos, 2020); *Rewilding - concepts, scientific background, and current state of the science* (Wallenberg Seminar: Rewilding as a New Paradigm for Nature Conservation? Royal Swedish Academy of Agriculture and Forestry, Stockholm, 2019); *Trophic rewilding – background, opportunities and challenges for megafauna-based restoration in the Anthropocene* (keynote, Netherlands Annual Ecology Meeting (NAEM), Lunteren, 2019); *Trophic rewilding – background, opportunities and challenges for megafauna-based restoration in the Anthropocene* (The past is a foreign country: how much can the fossil record actually inform conservation? Discussion Meeting, Royal Society, London, 2019); *Trophic rewilding – background, implementation, link to societal dynamics, and open questions* (Rewilding in a Changing Europe, Bangor University, 2018); *Broad-scale, long-term perspectives on trophic rewilding* (Ecology Across Borders; Joint Annual Meeting of the British Ecological Society (BES), Gesellschaft für Ökologie (GfÖ) & NecoV, in association with European Ecological Federation (EEF), Ghent, 2017); *Broad-scale, long-term perspectives on megafauna ecology and trophic rewilding in a changing world* (Calpe 2017: The Rewilding conference, Gibraltar Museum); *A deep-time perspective on ecosystems and rewilding in the Mediterranean region* (XIV MEDECOS & XIII

AEET meeting, Sevilla, 2017); *Trophic rewilding – background, link to agricultural abandonment and open questions* (Rewilding in abandoned agricultural landscapes: opportunities and impacts, Meeting of the British Ecological Society’s Forest Ecology and Agricultural Ecology special interest groups, Oxford, 2016); *Rewilding with large herbivores: state of the art and open questions for science* (Rewilding with large herbivores: challenges and opportunities for science and practice, Symposium of the Netherlands-Flemish Organisation for Ecology, Wageningen, 2016); *The Influence of Paleohistory on Present-Day Patterns in Biodiversity and Ecosystems* (keynote, Nordic OIKOS conference 2016, Turku, 2016); *On the role of history and disequilibrium dynamics in shaping tropical forest community assembly across scales* (13th Congress, European Ecological Foundation, Rome, 2015); *Dark horses and black panthers - ecological and conservation perspectives on dark megafaunal diversity* (13th Congress, European Ecological Foundation, Rome, 2015); *Biodiversity in a World of Human Dominance and Rapid Change – Anthropocene Challenges and Opportunities* (keynote, 2nd Conference of the Norwegian Ecological Society, Bergen, 2015); *Biodiversity in a World of Human Dominance and Rapid Change – Anthropocene Challenges and Opportunities* (Cambridge Conservation Seminars, Cambridge, 2015); *Disequilibrium dynamics in vegetation under future climate change -patterns, causes and consequences* (keynote, Ecological Society of Germany, Austria and Switzerland (GrÖ), 44th Annual Conference “Integrating ecological knowledge into nature conservation and ecosystem management”, Hildesheim, 2014); *A Big Data perspective on global change impacts on biodiversity and ecosystems* (ESOF2014, Copenhagen, 2014); *Future megafaunas – a historical perspective on the scope for a wilder Anthropocene* (Anthropocene: Arts of Living on a Damaged Planet, Santa Cruz, 2014); *Rewilding in a long-term ecological and evolutionary context* (WILD10, Salamanca, 2013); *“Born to be wild – bison, aurochs and wild horse” - a historical-biogeographic perspective on the resurrection of three European ‘rewilding’ icons* (WILD10, Salamanca, 2013); *Paleohistory interacts with modern environment to shape contemporary ecological patterns* (keynote, 7th Annual Meeting of the Specialist Group on Macroecology of the Gesellschaft für Ökologie, Göttingen, 2013); *Persistent paleoclimatic effects on contemporary ecological patterns* (International Symposium “Patterns and drivers of biodiversity at macro spatial scales: historical and contemporary effects”, Tokyo, 2013); *Paleoclimatic impacts on biodiversity and ecosystems – insights from ecoinformatics* (evening meeting of the Linnean Society of London, London, 2012); *Imprints of postglacial migrational lags on current diversity patterns* (A European perspective on the future of biodiversity and ecosystems, Final Conference of the ECOCHANGE FP6 Project, Zürich, 2012); *On climate and Earth’s biodiversity – insights from ecoinformatics studies* (18th meeting of the GBIF Governing Board, GB18, Buenos Aires, 2011); *Strong paleoclimatic imprints on ecological patterns and function across scales* (J.-C. Svenning et al., 12th EEF Congress, Ávila, 2011); *Global plant diversity: Current research and challenges of data discovery and integration* (iPlant 2010 Conference, Las Vegas, 2010); *Geographical ecology of the palms (Arecaceae) – from biogeography to local community assembly* (J.-C. Svenning et al., “PALMS 2010: Biology of the palm family” international symposium, Montpellier, 2010); *Historical biogeography: implications of long-term macro-scale biodiversity dynamics for conservation* (UNESCO IYB Biodiversity Science Policy Conference, UNESCO, Paris, 2010); *Plio-Pleistocene climate change and its impacts on species distributions and diversity patterns* (keynote, Ecological Society of Germany, Austria and Switzerland (GrÖ), 39th Annual Conference “Dimensions of Ecology: from Global Change to Molecular Ecology”, University of Bayreuth, 2009); *Plio-Pleistocene climatic change and its persistent biogeographic and ecological legacies in Europe – insights from ecoinformatics* (NEPAL workshop “Biotic responses to past climatic and environmental changes”, Bergen, 2009); *Plio-Pleistocene climate change legacies on current plant diversity patterns* (Plants and Climate Change symposium, Institute of Environmental Biology, Utrecht University, 2008); *Imprints of past climate change on the European tree flora* (National Museum of Natural Sciences, CSIC, Spain, 2008); *Historical controls of plant diversity patterns* (3rd Biennial Conference of the International Biogeographic Society, Tenerife, 2007).

Other invited* and contributed presentations: *Rewilding. En samtale om at kuratere nature* (med Maria R. Gjerding; Ny Carlsberg Glyptotek, Copenhagen, 2024)*; *Palms in a novel biosphere* (EUNOPS - European Palm Conference, Aarhus University, 2024); *Deep-time, large-scale perspectives on biodiversity dynamics - implications for biosphere stewardship* (keynote, BIO Conference 2024, Department of Biology, University of Copenhagen)*; *Biodiversitet – Jordens levende natur* (Ungdommens Naturvidenskabelige Forening, Aarhus, 2024)*; *Trophic rewilding* (Grazing and herbivory with focus on domestic ruminants and semi wild herbivores, PhD course, Swedish Agricultural University, online, 2024)*; *Planetary stewardship, nature-based solutions & trophic rewilding in the Anthropocene* (Global Change Biology, Department of Biology, Aarhus University, 2024); *Ecological principles of rewilding* (Wildlife Ecology & Ecosystem Management, Department of Biology, Aarhus University, 2024); *The long-term base-line for nature in Denmark - and its implications for nature management (rewilding, open-ended management)* (Dansk Flora & Vegetation, Department of Biology, Aarhus University, 2024); *Natural vegetation structure, herbivore influence, and trophic rewilding: insights from Last Interglacial to Anthropocene perspectives* (Talk Grasslands!, Eurasian Dry Grassland Group, online, 2024)*; *European ecosystems prior to the late Quaternary defaunation* (Wildlife Ecology & Ecosystem Management, Department of Biology, Aarhus University, 2024); *Panelsamtale: Kan vi rewilde vores byer?*(Building Green DK, Copenhagen, 2024)*; *Trophic rewilding as a key restoration approach – insights from and for macro- and paleoecology* (Hilgendorf Lecture, Evolution and Ecology Research School Tübingen, University of Tübingen, 2024)*; *Megafauna in Europe – Importance, Demise & Restoration* (Megafauna restoration – ecological & legal perspectives on rewilding with large mammals in Brabant and beyond symposium, Tilburg University, Netherlands, 2024)*; *Science for an “abnormal” future* (“An evening for professors”, Aarhus University, 2024)*; *Megafauna –history, ecology, conservation & restoration of large-bodied vertebrates* (Studiepraktik [High-school study training], Department of Biology, Aarhus University, 2023); *Paleobaselines for large mammals* (Workshop on natural densities, Department of Ecoscience, Aarhus University, 2023)*; *Ecological dynamics and stewardship in a human-dominated biosphere* (Royal Danish Academy of Sciences and Letters, 2023)*; *Elefanten i rummet: Derfor er store dyr vigtige i vores natur* (Naturmødet: People’s Festival of Nature, Hirtshals, 2023)*; *The long-term base-line for nature in Denmark - and its implications for nature management (rewilding, open-ended management)* (Dansk Flora & Vegetation, Department of Biology, Aarhus University, 2023); *Rewilding and planetary stewardship* (Global Change Biology, Department of Biology, Aarhus University, 2023); *Har naturen en fremtid?* (Århundredet Festival, Folkeuniversitetet, online, 2023)*; *Macroecological-paleoecological perspectives on megafauna effects on ecosystems – implications for conservation and restoration* (Ecology Colloquium, Departments of Landscape Ecology & Vegetation Science, Plant Ecology and Ecology of Tropical Agricultural Systems, Universität Hohenheim, online, 2022)*; *Macroecological-paleoecological perspectives on megafauna effects on ecosystems – implications for conservation and restoration* (Current Topics in Zoology and Evolution, Institutskolloquium, Department of Environmental Sciences, University of Basel, online, 2022)*; *Ecological dynamics in a novel biosphere* (DANEMO symposium “Molecular Ecosystems”, Aarhus University, 2022)*; *Macroecological-paleoecological perspectives on large-herbivore effects on ecosystems – implications for conservation and restoration questions* (IBONE, CONICET, Corrientes, Argentina, 2022)*; *Wildlife in Europe – a historical perspective* (Wildlife Comeback in Europe, University of Cambridge, 2022)*; *Monitoring ecological dynamics under trophic rewilding – a conceptual perspective* (INTECOL, online, 2022); *Integrated macroecological-paleoecological perspectives on large-herbivore effects on ecosystems – implications for conservation and restoration* (5th Conference of the Nordic Society Oikos, Aarhus, 2022); *Half-earth* (BLOOM, 2022); *Rewilding: Hvad skal vi med store dyr i dansk natur?* (Foreningen Danmarks Vilde Natur, online, 2022)*; *Hvordan vil klimændringer og andre store forandringsfaktorer, fx globaliseringen, påvirke flora og vegetation i et 20-200 års fremtidsperspektiv?* (Dansk Botanisk Forening Generalforsamling, Copenhagen, 2022) *; *Hvad skal vi med store dyr i dansk natur?* (Dansk Botanisk Forening Jyllandskredsen Generalforsamling,

online, 2022)*; *Rewilding and planetary stewardship* (Global Change Biology, Department of Biology, Aarhus University, 2022); *Fremtidens natur* (Offentlige Foredrag i Naturvidenskab, Folkeuniversitetet & Aarhus Universitet, Aarhus, 2022×2); *The long-term base-line for nature in Denmark* (Dansk Flora & Vegetation, Department of Biology, Aarhus University, 2022); *Integrated macroecological-paleoecological perspectives on large-herbivore effects on ecosystems – implications for conservation and restoration* (Annual Meeting of the Ecological Society of America (ESA), online, 2021); *Rewilding i et internationalt perspektiv* (Konference om Naturnationalparker, Danish Ministry of Environment, online, 2021)*; *Rewilding – the "wild" approach to nature restoration* (Global Change Biology, Department of Biology, Aarhus University, 2021); *Megafauna – history, ecology, conservation & restoration of large-bodied vertebrates* (Ecology, Department of Biology, Aarhus University, 2021); *Late-Quaternary megafauna extinctions – the onset of human transformation of the biosphere* (The Past, Present and Future of the Human Niche seminar series, MPI-SHH, Jena, 2021)*; *The long-term base-line for nature in Denmark* (Dansk Flora & Vegetation, Department of Biology, Aarhus University, 2021); *Macroecological perspectives on plant diversity in a changing world* (Swedish Phytogeographical Society Autumn meeting, online, 2020)*; *Naturens reaktioner på klimaforandringerne* (Folkeuniversitetet, Aarhus, 2020); *Fremtidens natur* (Akademiet for Talentfulde Unge - Øst, online, 2020); *Macroecological perspectives on the functional impacts of late-Quaternary megafauna extinctions and potential restoration through trophic rewilding* (Annual Meeting of the Ecological Society of America (ESA), online, 2020); *Fremtidens natur* (Offentlige Foredrag i Naturvidenskab, Folkeuniversitetet & Aarhus Universitet, Aarhus, 2020×2); *The long-term base-line for nature in Denmark* (Dansk Flora & Vegetation, Department of Biology, Aarhus University, 2020); *Hvad sker der med Jordens biodiversitet i Menneskets Epoke?* (Wilhjemkonferencen 2019, Københavns Universitet, 2019)*; *Public conversation "Totalnatur"* (Carlsbergfamilien, Folkemødet, 2019); *Rewilding - det manglende led i naturgenopretningen?* (IPBES symposium: Naturgenopretning i et globalt-lokalt perspektiv, Aarhus University, 2019)*; *Naturlig storhed* (Forskningens Skønhed symposium, Royal Danish Academy of Sciences and Letters, Copenhagen, 2019)*; *Trophic rewilding – background, opportunities and challenges for megafauna-based restoration in the Anthropocene* (Biodiversity-Seminar, WSL Birmensdorf, Switzerland, 2019)*; *Panel "Planteæderne mod kødæderne"* (Bloom: festival of nature on science, Copenhagen, 2019); *"Professorpanelet"* (Bloom: festival of nature on science, Copenhagen, 2019); *Public debate "Laboratorium - Uddannelse for fremtiden"* (Naturmødet: People's Festival of Nature, Hirtshals, 2019); *Naturværdier i et bystrategisk perspektiv* (Den Østjyske Millionby, workshop III 'Et bæredygtigt Østjylland'; Horsens, 2019)*; *Trophic rewilding – Megafauna-based restoration in the Anthropocene* (Department of Biology, University of Southern Denmark, 2019)*; *Vildere natur i Danmark – hvorfor, hvordan og hvor?* (Forskningens Døgn, Aarhus University, 2019); *Trophic rewilding – background, opportunities and challenges for megafauna-based ecosystem restoration in the Anthropocene* (Institute of Botany, Chinese Academy of Sciences, Beijing, 2019)*; *Late-Quaternary megafauna extinction - a global perspective with special attention to islands and the island rule* (Island Biogeography and Biodiversity Conservation Workshop, Thousand Island Lake Field Station, Zhejiang University, China, 2019); *Vild natur med store vilde dyr i Danmark – hvorfor og hvordan?* (Folkeuniversitetet, Nysted, 2019); *Biodiversitet og SDG15* (VL gruppe 44, Aarhus, 2019); *The long-term base-line for nature in Denmark* (Dansk Flora & Vegetation, Department of Bioscience, Aarhus University, 2019); *En forskningsbaseret fremtidsvision for Danmarks natur* (keynote), Biodiversitetssymposiet, Aarhus University, 2019*; *A biogeographic perspective on trophic rewilding* (9th Biennial Conference of the International Biogeography Society, Malaga, 2017); *Humans & biodiversity in the Anthropocene* (Urban Atmospheres workshop, Aarhus School of Architecture, 2018); *Mennesker og biodiversitet i Antropocæn* (Bæredygtig Udvikling, UNESCO-ASP-netværksmøde, Egå Gymnasium, 2018); *Introduktion og biodiversitet i det antropocæne* (Folkeuniversitetet, Aarhus, 2018); *Uddøen*, Emdrup, 2018); *A deep-time perspective on Anthropocene woodlands* (*Woodlands of the Anthropocene: A conference*, Aarhus University, 2018); *Public debate "Mennesket er dyrenes konge"* (Bloom: festival of nature

on science, Copenhagen, 2018); *Public debate “Bringing back the mammoth”* (Bloom: festival of nature on science, Copenhagen, 2018); *Public debate “Hvor vilde vil vi være?”* (Naturmødet: People’s Festival of Nature, Hirtshals, 2018); *Public debate “Hvad vil vi med vores fælles natur?”* (Naturmødet: People’s Festival of Nature, Hirtshals, 2018); *Trophic rewilding – background, opportunities and challenges for megafauna-based restoration in the Anthropocene* (Botanical Garden of the University of Zurich, 2018)*; *Paleoclimate supplements contemporary environment in driving plant functional diversity and vegetation-related ecosystem structure across broad spatial scales* (University of Zurich/ETH, 2018)*; *Long-term biodiversity-climate disequilibria - a macroecological perspective* (Inner Mongolia University, Hohhot, China, 2018)*; *Paleoclimate supplements contemporary environment in driving plant functional diversity and vegetation-related ecosystem structure across broad spatial scales* (Climate Change Biogeography Meeting, International Biogeography Society, Évora, Portugal, 2018); *The long-term base-line for Danish nature* (Dansk Flora & Vegetation, Department of Bioscience, Aarhus University, 2018); *Rewilding* (Naturstyrelsen, 2018); *Long-term biodiversity-climate disequilibria - a macroecological perspective* (Bolin Centre for Climate Research, Stockholm, University, 2017)*; *Rewilding med store vilde dyr i den danske natur – baggrund, status, potentiale & udfordringer* (Naturhistorisk Forening for Nordsjælland, 2017)*; *Public conversation “Totalnatur”* (Carlsberg Fondet Videnskab|Lidenskab, Glyptoteket, 2017); *Rewilding – Hvorfor er der udsat vandbøfler og vilde heste i naturen i Aarhus?* (Danmarks Naturfredningsforening Aarhus, annual meeting, 2017); *Towards preserving the Maasai Mara ecosystem in the Anthropocene – a research perspective* (guest lecture, Tropical Ecosystem Management and Human Security, Aarhus University, 2017); *Rewilding - state of the art and open questions* (Dyreetisk Råd, 2017); *Global change biogeography* (Institute of Botany, Chinese Academy of Sciences, Beijing, 2017); *Species distribution* (Institute of Botany, Chinese Academy of Sciences, Beijing, 2017); *History supplements current environment in shaping broad-scale patterns in functional diversity and ecosystem structure* (Institute of Botany, Chinese Academy of Sciences, Beijing, 2017)*; *Long-term biodiversity-climate disequilibria - a macroecological perspective* (ARCFUNC workshop, Aarhus University, 2017); *Public debate “Naturens hersker”* (Naturmødet: People’s Festival of Nature, Hirtshals, 2017); *Public debate “Rewilding – kan vild natur og god dyrevelfærd forenes?”* (Naturmødet: People’s Festival of Nature, Hirtshals, 2017); *Rewilding - state of the art and open questions* (Naturvejledernes Årskonference, Copenhagen, 2017)*; *Long-term biodiversity-climate disequilibria - a macroecological perspective* (East China Normal University, Shanghai, 2017)*; *Trophic rewilding –background, South American context, and open questions* (IBONE, CONICET, Corrientes, Argentina, 2017)*; *Trophic rewilding –background, South American context, and open questions* (Conservation Land Trust Argentina, Rincón del Socorro, Corrientes, Argentina, 2017); *The long-term base-line for Danish nature* (Dansk Flora & Vegetation, Department of Bioscience, Aarhus University, 2017); *Hvorfor forsvandt megafaunaen?* (Folkeuniversitetet, 2017); *Long-term biodiversity-climate disequilibria - a macroecological perspective* (Gent University, Ghent, 2017)*; *History supplements current environment in driving functional diversity patterns* (8th Biennial Conference of the International Biogeography Society, Tucson, 2017); *Insights from macroecology on ecological responses to climate change* (Ecosummit 2016: Ecological Sustainability: Engineering Change, Montpellier); *The global relevancy of elephants in rewilding* (Elephant Research & Conservation Network, Oxford, 2016); *Long-term biodiversity-climate disequilibria - a macroecological perspective* (Institute of Plant Sciences, University of Bern, 2016)*; *Macroecological perspectives on palm diversity in a changing world* (Annual Meeting of the Association for Tropical Biology & Conservation, Montpellier, 2016); *A long-term ecological perspective on the Danish landscape* (The Wilds of Jutland: Perspectives on the Danish Landscape, Aarhus University Research on the Anthropocene seminar, 2016); *Rethinking ecology for the Anthropocene* (Urbanism in the Anthropocene, Public seminar, Aarhus School of Architecture, 2016); *Store vilde dyr i den danske natur - hvorfor og hvordan?* (Naturens Døgn, Botanisk Have, Aarhus, 2016); *Min egen historie som forskningsleder* (Lederudviklingsforløb for Forskningsledere, AU HR, 2016); *The long-term base-line for Danish nature* (Dansk Flora & Vegetation, Department

of Bioscience, Aarhus University, 2016); *Elefanter i Jylland og Blåfugle i Haven* (Offentlige Foredrag i Naturvidenskab, Folkeuniversitetet & Aarhus Universitet, Horsens, 2016); *The Influence of Paleohistory on Present-Day Patterns in Biodiversity and Ecosystems* (keynote, Ecology Department Symposium 2016, SLU, Uppsala 2016)*; *The Influence of Long-term History on Present-Day Patterns in Biodiversity and Ecosystems* (CEFE & ISEM, CNRS, Montpellier, 2016)*; *Long-term paleoclimatic legacies in contemporary ecological patterns and function* (Charles University, Prague, 2015)*; *Biodiversity in a World of Human Dominance and Rapid Change – Anthropocene Challenges and Opportunities* (CLUE+, VUA, Amsterdam, 2015)*; *Klima, biodiversitet og Økoinformatik* (Studiepraktik, Department of Bioscience, Aarhus University, 2015); *Ideen bag rewilding* (WWF Danmark’s Scientific Committee, Copenhagen, 2015); *Towards preserving the Maasai Mara ecosystem in the Anthropocene – a research perspective* (guest lecture, Tropical Ecosystem Management and Human Security, Aarhus University, 2015); *Interdisciplinary Anthropocene conversation with prof. Anna Tsing* (DUMP! Exhibition, Kunsthal Aarhus, 2015); *Hvad er dansk natur? Status, behov, baggrund og muligheder* (Den Danske Naturfond, Lille Vildmose 2015)*; *Interdisciplinary Anthropocene conversation with Elaine Gan* (Secret Hotel’s Landscape Dialogues Summer Lab, Bogens, 2015); *Re-thinking ecology for the Anthropocene* (EU Macro 2015, Copenhagen, 2015)*; *Re-thinking ecology for the Anthropocene* (Annual Meeting of the Ecological Society of America (ESA), Philadelphia, 2015); *Applying botanical ‘Big Data’ to the study of plant diversity in the Anthropocene* (Institute of Botany, Chinese Academy of Sciences, Beijing, 2015)*; Key-note: *Applying botanical Big Data to the study of plant diversity in the Anthropocene* (Tropical Plant Collections: Legacies from the past? Essential tools for the future? Symposium, Danish Royal Academy of Sciences and Letters, Copenhagen, 2015)*; *Late Cenozoic climate change and the phylogenetic structure of conifer assemblages worldwide* (J.-C. Svenning & W.L. Eiserhardt, Danish OIKOS annual meeting, Aarhus, 2015); *Økologi i Antropocæn* (Teatermiddag "Mennesket med, mod og på kloden" Borger scenen, Aarhus Teater, 2015); *Hvordan får vi en rigere natur i Danmark?* (Biodiversitetssymposiet 2015, Aarhus, 2015)*; *Late Cenozoic climate change and the phylogenetic structure of conifer assemblages worldwide* (J.-C. Svenning & W.L. Eiserhardt, 7th biennial conference of the International Biogeographic Society, Bayreuth, 2015); *Klima, biodiversitet og Økoinformatik* (Studiepraktik, Department of Bioscience, Aarhus University, 2014); *Elefanter i Jylland og blåfugle i haven* (Folkeuniversitetet, Herning, 2014); *Historical constraints on distribution and diversity patterns* (5th International Course “Ecological consequences of climate changes”, Doñana Biological Reserve, 2014)*; *Plant species range dynamics under climate change* (RAINBIO-CESAB, Marseille, 2014); *Pre-extinction interglacial ecosystem structure – the European case and global perspectives* (Conference “Megafauna and Ecosystem Function: from the Pleistocene to the Anthropocene”, University of Oxford, 2014); *Nye arter i Danmarks flora* (Folkeuniversitetet, Århus, 2014); *Elefanter i Jylland og blåfugle i haven* (Offentlige Foredrag i Naturvidenskab, Aarhus University, 2014); *Fortidens klimaændringer former nutidens flora og fauna* (Royal Danish Academy of Sciences and Letters, Copenhagen, 2014); *Vegetation responses to future climate change - pervasive disequilibrium dynamics?* (Dansk Flora & Vegetation, Department of Bioscience, Aarhus University, 2014); *The long-term base-line for Danish nature* (Dansk Flora & Vegetation, Department of Bioscience, Aarhus University, 2014); *Long-term historical climate legacies in contemporary ecological patterns and function* (University of Tartu, 2014)*; *Long-term paleoclimatic legacies in current biodiversity patterns* (iDIV, Leipzig, 2013)*; *Ideen bag rewilding* (Wilhjem+12, Danmarks Naturfredningsforening, Copenhagen, 2013)*; *Biodiversity in a world of human dominance and rapid change – Anthropocene challenges and opportunities* (AURA inauguration, Aarhus University, Aarhus, 2013); *Umulig økologi* (“Umulig Videnskab”, Vin & Videnskab, Natural History Museum of Denmark, Copenhagen, 2013); *Persistent diversity-climate disequilibria due to Quaternary and pre-Quaternary climate change* (Umeå University, Umeå, 2013)*; *Vegetation responses to future climate change - pervasive disequilibrium dynamics?* (Umeå University, Umeå, 2013)*; *Climate change and biodiversity – impacts, risks, uncertainties, and policy advice* (Science and Policy Advice ICSU symposium, Royal Danish Academy of Science and Letters, 2013)*; *Vild natur med store vilde dyr*

i Danmark – hvorfor og hvordan? (Dansk Magisterforening, Givskud Zoo, 2013)*; *A richer wild megafauna in Denmark – why and how?* (Det Miljøøkonomiske Råds Årlige Konference, Skodsborg, 2013)*; *Long-term lags in biodiversity responses to climate change* (INTECOL 2013, London, 2013); *Persistent diversity-climate disequilibria due to Quaternary and pre-Quaternary climate change* (Annual Meeting of the Ecological Society of America (ESA), Minneapolis, 2013); *Paleoclimatic legacies in contemporary ecological patterns* (Peking University; Beijing, 2013)*; *Vegetation responses to future climate change – pervasive disequilibrium dynamics* (Institute of Botany, Chinese Academy of Sciences; Beijing, 2013)*; *Rewilding – ecological restoration in a long-term ecological and evolutionary context* (Dansk Flora & Vegetation, Department of Bioscience, Aarhus University, 2013); *En videnskaberet tilgang til nye arter i Danmark* (Biodiversitetssymposium, University of Copenhagen, 2013); *En fremtid med vilde store dyr i den danske natur – hvorfor og hvordan?* (Vin & Videnskab, Natural History Museum of Denmark, Copenhagen, 2013); *Pervasive disequilibrium dynamics in vegetation under near-future climate change* (J.-C. Svenning & B. Sandel, IEE Mini-Symposium, Aarhus, 2013); *Vegetation responses to future climate change – pervasive disequilibrium dynamics?* (J.-C. Svenning & B. Sandel, 6th biennial conference of the International Biogeographic Society, Miami, 2013); *Er den danske natur plejekrævende? – Vild natur som forvaltningsmål* (Temadag om Evidensbaseret naturforvaltning, Aarhus University, 2012)*; *Slip elefanterne løs* (Folkeuniversitetet-Vejle, 2012); *Rewilding – ecological restoration in a long-term biogeographic context* (Macroecology & Community Ecology, Institute of Biology, University of Copenhagen, 2012); *Grønlands biodiversitet – klimaets betydning i fortid, nutid og fremtid* (Greenland symposium, Royal Danish Academy of Sciences and Letters, Copenhagen, 2012)*; *Long-term legacies of past climate change – a macroecological perspective* (NordForsk Summer School in Climate-Change Effects on Terrestrial Ecosystems, Finse, 2012)*; *Dispersal constraints on species distributions* (Riederalp workshop on range dynamics, Riederalp, 2012); *Paleoclimatic imprints on current large-scale diversity patterns* (Universidad de Sevilla, Spain, 2012)*; *Megafaunal impacts on forest ecosystems – a Pleistocene perspective* (Institute of Botany, Chinese Academy of Science, Beijing, 2012)*; *Long-term historical regional effects on local biotic communities* (Institute of Botany, Chinese Academy of Science, Beijing, 2012)*; *Paleoclimatic imprints on current large-scale diversity patterns* (Institute of Botany, Chinese Academy of Science, Beijing, 2012)*; *Ecoinformatics and the ecology of global change* (Institute of Botany, Chinese Academy of Science, Beijing, 2012)*; *Ecoinformatics and the ecology of global change* (Graduate University of Chinese Academy of Science - GUCAS, Beijing, 2012)*; *Ecoinformatics and the ecology of global change* (Institute of Geographic Sciences and Natural Resources Research - IGSNRR, Chinese Academy of Science, Beijing, 2012)*; *Rewilding – ecological restoration in a long-term ecological and evolutionary context* (Dansk Flora & Vegetation, Department of Bioscience, Aarhus University, 2012); *Rewilding in a long-term ecological and evolutionary context* (“Rewilding as tool and target in the management of biodiversity” symposium, Aarhus, 2012); *Istiderne former nutidens biologiske mangfoldighed* (Royal Danish Academy of Sciences and Letters, Copenhagen, 2012); *Species distributions* (Macroecology & Community Ecology, Institute of Biology, University of Copenhagen, 2011); *Ecoinformatics and the ecology of global change* (Biodiversity in the Silicon Age, Royal Danish Academy of Sciences and Letters, 2011); *Naturlig vegetationsstruktur i Nordvesteuropa – de tidligere mellemistider som base-line* (Dansk Flora & Vegetation, Department of Biological Sciences, Aarhus University, 2011); *Naturlig vegetationsstruktur i Nordvesteuropa – de tidligere mellemistider som base-line* (Naturstyrelsen Odense, 2011); *History in macroecology* (Institute of Biology, University of Copenhagen, 2011); *Naturlig vegetationsstruktur i Nordvesteuropa – de tidligere mellemistider som base-line* (Biodiversitetssymposiet 2011, Aarhus University, 2011)*; *Klima, biodiversitet og Økoinformatik* (Studiepraktik, Department of Biological Sciences, Aarhus University, 2010); *Ecoinformatics – the computing approach to ecology* (3×: MADALGO, AU IT Day, BiRC, Aarhus University, 2010); *Naturen i bevægelse – klimaets betydning for den biologiske mangfoldighed* (Public Lectures in Natural Science, Aarhus University, 2 days and a total audience of 1700, 2009); *Klima, løver og formidling af forskning i medierne* (PhD course in Research

Communication, Aarhus University, 2009); *What constitute base-line natural conditions in Denmark?* (Dansk Flora & Vegetation, Department of Biological Sciences, Aarhus University, 2009); *Den globale opvarmning og den biologiske mangfoldighed* (DGH - Danske Godser og Herregårde og Nykredit, DGH Ungdomsseminar 2009, Copenhagen, 2009)*; *Klimaændringernes betydning for økosystemer og biodiversitet* (Annual meeting of the Danish Association of Zoos and Aquaria, Knebel, 2009)*; *Plant migrations under climate change – implications for conservation planning* (the “Beyond Kyoto: addressing the challenges of climate change” conference, Aarhus, 2009); *Den globale opvarmning og den biologiske mangfoldighed* (Nykredit, 8 meetings, 2008)*; *Klima, løver og formidling af forskning i medierne* (PhD course in Research Communication, Aarhus University, 2008); *An evolutionary perspective on the New World palm (Arecaceae) geographic diversity pattern* (12th Nordic Meeting on Neotropical Botany, University of Turku, 2008); *Large-scale biogeographic influences on plant species composition, diversity and dynamics in forest ecosystems* (NordForsk PhD summer school Understanding species composition, diversity and dynamics in forest ecosystems, Lammi, Finland, 2008); *Et visionært bud på den danske natur – og græsningens rolle heri / Hvor stort er behovet for græsning og anden pleje?* (Græsningsseminar, Skov- & Naturstyrelsen & Aage V. Jensens Fonde, Naturcenter Herstedhøje, 2008)*; *Palm diversity patterns in the New World – assessing the roles of climate, ecology, and evolution using ecoinformatics* (VIII EUNOPS Meeting, Meran, Italy, 2008); *‘History’ in macroecology* (Macroecology, Institute of Biology, University of Copenhagen, 2008); *Hvordan vil Danmarks natur se ud om 100 år?* (Forskningens Døgn, Aarhus University, 2008); *Under completely natural conditions, what kind of vegetation would there be in Denmark?* (Dansk Flora & Vegetation, Department of Biological Sciences, Aarhus University, 2008); *Ice age legacies in the European flora* (DanBIF International Conference on Biodiversity Informatics and Climate Change Impacts on Life, Aarhus University, 2008); *Current plant diversity patterns in Europe - the role of ice age refuge locations and postglacial migrational lags* (NERC Centre for Population Biology, Imperial College, London, 2008); *Using Redundancy Analysis to investigate the controls of species composition* (Biologisk Dataanalyse: Multivariat Analyse, Department of Biological Sciences, Aarhus University, 2008); *Potentielle konsekvenser af den globale opvarmning for den danske flora og vegetation* (Generalforsamling i Dansk Botanisk Forening - Jyllandskredsen, Aarhus, 2008)*; *Potentielle konsekvenser af den globale opvarmning for den danske flora og vegetation* (Klimaændringer og den danske natur, National Conference on the Museum of Natural History, Aarhus, 2007)*; *‘History’ in macroecology* (Macroecology, Institute of Biology, University of Copenhagen, 2007); *Under completely natural conditions, what kind of vegetation would there be in Denmark?* (Dansk Flora & Vegetation, Department of Biological Sciences, Aarhus University, 2007); *Evolution of the latitudinal palm diversity gradient* (Annual Meeting of the Department of Biological Sciences, Aarhus University, 2007); *Using Redundancy Analysis to investigate the controls of species composition* (Biologisk Dataanalyse: Multivariat Analyse, Department of Biological Sciences, Aarhus University, 2007); *Arter og klima – nu og i fremtiden* (Folkeskolelærerdag – biologi og geologi, Aarhus University, 2006); *Modeling distributions and richness with species occurrence data* (ISOBIS/GBIF/NordForsk PhD Summer School in Biodiversity Informatics, Sandbjerg, 2006); *Geographic community similarity patterns in the New World palm flora* (S. Bjorholm & H. Balslev, 11th Nordic Meeting on Neotropical Botany, Aarhus University, 2006); *‘History’ in macroecology* (Macroecology, Institute of Biology, University of Copenhagen, 2006); *Using Redundancy Analysis to investigate the controls of species composition* (Biologisk Dataanalyse: Multivariat Analyse, Department of Biological Sciences, Aarhus University, 2006); *Global opvarmning* (Rotary meeting, Varna, Aarhus, 2005)*; *The role of dispersal limitation in community assembly* (ISOBIS III Annual Meeting, Aarhus, 2005); *Potential and actual ranges of plant species in response to climate change - implications for the impact of 21st century global warming on biodiversity* (Meeting on biodiversity and climate change, Environmental Assessment Institute, 2004); *Diversitet i Drivhuset?* (50 Years Anniversary of the Faculty of Science, Aarhus University, 2004); *Den globale klimaudviklings betydning for biodiversiteten – med den europæiske skovflora som eksempel* (High School Teacher’s Day, Aarhus

University, 2004); *Mennesket og megafaunaen + Den globale klimaudviklings betydning for biodiversiteten – med den europæiske skovflora som eksempel* (Seminar on Bioethics for Danish Nature Conservation, Hjørtshøj, 2004); *Harvesting of Geonoma leaves for thatch: exploring sustainability* (Biodiversity and Ethnoecology Thematic Day, Aarhus University, 2004); *Plant community ecology in tropical moist forests* (Tropical rainforest ecology course, Aarhus University, 2004); *Den europæiske skovflora i fortid, nutid og fremtid: diversitet og udbredelse* (Department Meeting, Department of Biological Sciences, Aarhus University, 2004); *Nogle grundforskningsmæssige indspark til den danske naturdebat* (Østjysk Biologisk Forening, Århus, 2004), *Plant community ecology in tropical moist forests* (Tropical rainforest ecology course, Aarhus University, 2003); *Vegetationens beskaffenhed i Danmark under naturlige forhold* (Botany Discussion Group, Aarhus University, 2002); *What is the natural baseline for evaluation of condition and trends? - With special emphasis on the natural vegetation of North-western Europe* (Nordic Mapping & Monitoring Workshop, DMU-NERI, Fuglsøcenteret, 2002)*; *Vegetationens beskaffenhed i Danmark under naturlige forhold* (Dansk Botanisk Forening, Århus, 2002)*; *Regnskovens gådefulde plantediversitet – Resultater fra Ecuador og Panama* (Ecuador-Galapagos prep course; Aarhus University, 2002); *Plant community ecology on BCI, Panama* (Tropical rainforest ecology course, Aarhus University, 2002); *Plant community ecology on BCI* (STRI, 2001). *Tropical tree diversity* (Panel discussion w/ S. P. Hubbell, S. J. Wright, R. Condit, E. Leigh, and G. Orians, STRI, 2001). *Plant distributions in a complex tropical forest landscape (BCI)* (J.-C. Svenning & R. Stallard: STRI, 2001); *The importance of microhabitat variation for the population and community ecology of rain forest palms* (STRI, 2000); *Palme-mikrohabitater i Amazonas* (Aarhus University, 1999); *The importance of microsite variation for palms* (STRI, 1999); *Quantitative structural data* (ESF workshop, Aarhus University, 1998); *Palm-mikrohabitat relationships* (7th Meeting on Nordic Botanical Research in the Neotropics, Aarhus University, 1997); *En rigtig urskov* (with E. Magård, Nepenthes Café-aften, Århus, 1996); *Demografía de palmeras (Arecaceae) en la Amazonía ecuatoriana* (II Congreso Ecuatoriano de Botánica, Quito, 1995).

POSTERS: Author and co-author of a large number of posters.

BOOK INTERVIEWS: M. Rothenborg. 2009. *Tordenregn – Danmark's fremtid i en varmere verden*. Lindhardt og Ringhof.

PRESS: Infomedia.dk (database for Danish mass media): 2316 entries (16/10 2023), plus many interntional features. A Google search on “Jens-Christian Svenning” gives 79,900 hits (27/8 2022).

EDITORIAL EXPERIENCE: *Deputy Editor-in-Chief, Ecography*: 2010-. *Subject editor* (plants), *Ecography*: 2005-2010. *Subject editor* (evolutionary biology, biogeography, macroecology), *Nordic Journal of Botany*: 2007-. *Associate editor, Journal of Biogeography*: 2007-2019. *Editorial board, Geography and Sustainability*: 2020-. *Advisory board, One Earth*, 2019, *Quaternary*, 2017-2022. *College of Biogeographers, Frontiers of Biogeography*, 2018. **Editorial committee, Beyond Kyoto: Addressing the Challenges of Climate Change proceedings, IOP Conference Series: Earth and Environmental Science** 8, 2009. *Peer reviewer* for many journals, e.g., Science, Nature, Nature Comm., PNAS, Ecol. Lett, Glob Ecol Biogeogr, Curr. Biol., Proc. R. Soc. B, Glob. Change Biol.

ORGANISATORIAL ACTIVITIES: (22) Organizing committee, The European Network of Palm Scientists (EUNOPS) meeting, Aarhus, 2024; (21) Organizing committee, *Biodiversitetssymposiet 2022*, University of Copenhagen, 2022; (20) Organization/Scientific Committee, *PALMS 2020*, Rio de Janeiro, Brazil, 2020; (19) Organizing committee, *Biodiversitetssymposiet 2019*, Aarhus University, 2019; (18) Organizing committee, *Woodlands of the Anthropocene: A conference*, Aarhus University, 2018; (17) Organizing committee, Organized Oral Session *New Perspectives for Ecology during the Anthropocene: New Paradigms*,

Technologies and Collaborations, ESA Annual Meeting, Baltimore, USA, 2015; (16) Organizing committee, Royal Danish Academy of Sciences and Letters *Tropical Plant Collections: Legacies from the past? Essential tools for the future?*, 2015; (15) Organizing committee, *Biodiversitetssymposiet 2015*, 2015; (14) Organizing committee, *World Palm Symposium 2015*, Quindío, Colombia, 2015; (13) Organizing committee, *TaSiL: Time and space in linguistics: interdisciplinary computational approaches*, Aarhus University, 2014; (12) Organizing committee, *The diversity of diversity studies: retrospectives and future directions* symposium, INTECOL/BES 2013, London, 2013; (11) Organizing committee, *Rewilding as tool and target in the management of biodiversity* symposium, Aarhus, 2012; (10) *International Biogeography Society's Wallace Awards Committee*, 2012; (9) Organizing committee, Royal Danish Academy of Sciences and Letters *Biodiversity in the Silicon Age* symposium, 2011; (8) *Ad-hoc Director-at-large for the International Biogeography Society*, 2011-2013; (7) Organizing committee for *Biodiversitetssymposiet 2011*, 2011; (6) *Vice-President for Conferences for the International Biogeography Society*, 2009-2011; (5) Chair, Abstracts committee of the *5th Biennial Conference of the International Biogeography Society*, Heraklion, Crete, 2011; (4) Organizer, *Conservation Biogeography: Integrating Biogeography and Conservation Science in a Changing World* session on *UNESCO IYB Biodiversity Science Policy Conference*, UNESCO, Paris, 2010 (w/ R.J. Whittaker); (3) Responsible for the Biodiversity & Ecosystems theme of the international conference *Beyond Kyoto: Addressing the Challenges of Climate Change*, Aarhus University, 2009. (2) Chair, Abstracts committee of the *4th Biennial Conference of the International Biogeography Society*, Merida, Mexico, 2009. (1) Co-organizer, *DanBIF International Conference on Biodiversity Informatics and Climate Change Impacts on Life*, Aarhus University, 2008.

ADMINISTRATION: (8) Directorate, Dept. Bioscience, Aarhus University (AU), 2013-2019; (7) PhD stipend committee, CIRRAU, 2013-. (6) Elected member, Institutforum ((Department Forum), Department of Bioscience, Aarhus University, 2011-2016; (5) Elected member of Academic Council, Faculty of Science and Technology, Aarhus University, 2012-2015; (4) Member, Executive Committee, Department of Biological Sciences, Aarhus University, 2010-2011; (3) Member, *Aarhus University Climate Panel*, 2009; (2) Member, Research Committee, Department of Biological Sciences, Aarhus University, 2009-2011; (1) Member, PR Committee of the Department of Biological Sciences, Aarhus University, 2009-2011.

EXTERNAL BOARDS & COMMITTEES: (17) Biodiversitetsrådet (Danish Biodiversity Council, to provide expert advice to the Danish government and parliament), Ministry of Environment of Denmark, 2020-2024; (16) International Research Center of Big Data for Sustainable Development Goals (CBAS), Beijing, International Advisory Board, 2021-2023; (15) Urørt skov forskerfølgegruppe, Naturstyrelsen, Miljøministeriet, 2021-; (14) Rewilding Europe, supervisory board, 2020-; (13) Den nationale videnskabelige arbejdsgruppe vedr. naturnationalparkerne, Naturstyrelsen, Miljøministeriet, 2020-; (12) Det Grønne Råd, Aarhus Kommune, 2020-2022, suppleant, 2022-; (11) 15. Juni Fonden, board, 2018-; (10) Biodiversity Atlas Sweden (BAS) & Swedish LifeWatch (SLW), joint steering committee, 2018; (9) IPBES Denmark, steering committee, 2016-2017; (8) Gothenburg Global Biodiversity Centre, Advisory board, 2017-2019; (7) Rewilding Mols Advisory board, 2016-; (6) Maasai Mara Science & Development Initiative (MMSDI), Scientific Board (chair), 2015-2018, Board (chair), 2018-; (5) Mara Elephant project Scientific Committee, 2015-2017; (4) Rådgivende Udvalg for Lille Vildmosefredningen, 2013-2019; (3) Udvalget for Danmarks Naturkanon, 2009; (2) Forskningsfagligt Rådgiverpanel for Koordineringsenhed for Forskning i Klimatilpasning, 2008; (1) IUCN Species Survival Commission Palm Specialist Group, 2005-.

EVALUATIONS: Assessment committees: (23) member, European Research Council (ERC) Starting Grant panel, 2023 (only first step, due to accident); (22) External reference, tenure promotion committee, associate professor, School of Environmental Science and Engineering, Southern University of Science and Technology (SUSTech), China, 2023; (21) external reference,

tenure promotion committee, professor, Biology Department, City College of New York, US, 2023; (20) chair, professor, DNRF Chair in Tropical Plant Diversity and Ecosystems, Department of Biology, Aarhus University, 2023; (19) member, European Research Council (ERC) Starting Grant panel, 2021; (18) member, Research Assessment Committee, Leiden Institute of Environmental Sciences (CML), 2021; (17) member, honorary professorship assessment, Department of Bioscience, Aarhus University, 2021; (16) member, European Research Council (ERC) Starting Grant panel, 2019; (15) reviewer, VELUX Fonden, 2018; (14) member, professorship in Earth System Sciences 2nd Professorial Chair, University of Zurich, Switzerland, 2017-2018; (13) External reference, tenure promotion committee, professor, Department of Biology, Kenyon College, US, 2017; (12) member, Associate professor, wildlife and conservation management, Department of Food and Resource Economics, University of Copenhagen, 2017; (11) member, Professor/førsteamanuensis, botanical diversity and ecological application of GIS, Museum of Natural History, University of Oslo, 2015-2016; (10) member, Associate Professor, Quaternary Palaeoecology, University of Bergen, 2015; (9) chair, associate professor, plant ecophysiology, Department of Bioscience, Aarhus University, 2012; (8) member, professor, conservation decision analysis, Faculty of Biological and Environmental Sciences, University of Helsinki, Finland, 2010; (7) member, professor, ecology, University of Jyväskylä, Finland, 2009-2010; (6) member, professor mso, invasion ecology of plants, University of Copenhagen, 2009; (5) chair, professor, bioinformatics, Aarhus University, 2009; (4) member, professor, conservation biology, University of Copenhagen, 2009; (3) member, postdoc, Department of Ecology, University of Copenhagen, 2008; (2) member, postdoc, Danish Centre for Forest, Landscape and Planning, University of Copenhagen, 2008; (1) *ad hoc* member, International PhD School of Biodiversity Sciences PhD application evaluation board. **External referee, promotion committees:** School of Geography and the Environment, University of Oxford (tenure, professor), 2022; University of Maryland (professor), 2020; Yale University (tenure, associate professor), 2020; University of New South Wales (associate professor), 2016; University of Edinburgh (senior lecturer), 2016; University of Melbourne (associate professor), 2015; University of North Carolina, 2015 (associate professor). **Examiner, doctoral theses:** J. Segar, Martin-Luther-Universität Halle-Wittenberg, Germany, 2023 (written evaluation); L. Gottlieb, Department of Geosciences and Natural Resource Management, University of Copenhagen, 2021; O. Hagen, ETH Zurich, Switzerland, 2021; T. Andermann, Gothenburg University, Sweden, 2020; B. Saladin, ETH Zurich, Switzerland, 2020; A.F. Rodriguez, National Museum of Natural History, University of Copenhagen, Denmark, 2016; A. Ronk, Institute of Ecology and Earth Sciences, University of Tartu, Estonia, 2016; C. Quintana, Department of Bioscience, Aarhus University, 2015; G. Zuquim, University of Turku, Finland, 2015 (pre-examiner); U.P. Pedersen, University of Copenhagen, Denmark, 2014; M.K. Borregaard, University of Copenhagen, Denmark, 2010; M. Romo, University of Turku, Finland, 2004; L. Schulman, University of Turku, Finland, 2003. **External examiner, MSc theses:** M.H. Winnicki, University of Biology, University of Copenhagen, 2020; T. P. Arkwright, Natural History Museum of Denmark, University of Copenhagen, 2018; D.M. Truelsen, Natural History Museum of Denmark, University of Copenhagen, 2015; J.K. Sheard, Department of Biology, University of Copenhagen, 2015; K. Giampoudakis, Department of Biology, University of Copenhagen, 2013; C.E. Simonsen, Department of Biology, University of Copenhagen, 2011; M.K. Borregaard, Institute of Biology, University of Copenhagen, 2006; A.-S. Stensgaard, Danish Bilharziasis Laboratory & University of Copenhagen, 2005. **External examiner, other student projects:** Stefan Hestbek, University of Southern Denmark, 2020. **Referee, MSc theses:** Fabiola Montoya, Universidad Mayor de San Andrés, Bolivia, 2018; C. Bernandes, Instituto Nacional de Pesquisas da Amazônia, Brazil, 2007. **Referee, grant applications:** ERC, CoG applications (2), 2022; ERC, ERC StG applications (2), 2016; Philip Leverhulme Early Career Prize, 2016; Academy of Sciences of the Czech Republic, GAAV, 2004. **External examiner, university courses:** *Conservation* (2005, 2006, 2007, 2008, 2009), *Macroecology* (2006, 2007, 2008, 2010), and *Macroecology and Community Ecology* (2011, 2012), Institute of Biology, University of Copenhagen.

CONSULTING: (4) Scientific consultant on Trap Danmark (<http://trapdanmark.dk/>), a national geographic encyclopedia, 2015-2021. (3) Project supervisor on “Technical Assistance for collecting information on the distribution patterns and diversity of plants in the Peruvian Amazonia” (part of BIODAMAZ II, Dissemination phase), funded by Biota BD oy, Finland, 2006-2007. (2) Svenning, J.-C. & Kanstrup, J. 2002. Commentaries to ”Udkast til Forslag til skovlov” (by Skovforeningen). Nepenthes. (1) Svenning, J.-C., Muldtofte, J. & Kanstrup, J. 2002. Høringssvar - det nationale skovprogram. Nepenthes.