JENS-CHRISTIAN SVENNING

Curriculum Vitae (17 February 2023)

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:** "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: *Ernst Haeckel Prize* ("awarded every two years, to honour a senior ecologist for an outstanding contribution, exceptional scientific career or discovery in the field of European ecological science"), European Ecological Federation, 2022; *Distinguished Fellow of the International Biogeography Society* ("chosen based on their outstanding contributions to the mission of our scientific society through excellence in basic research and/or exceptional service to the field of biogeography"), 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", "given to a Danish researcher in recognition of a particularly valuable contribution to the technical and natural sciences"), 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; "awarded to an excellent researcher under 50 years", first time the awarded was given), Royal Danish Academy of Sciences and Letters, 2016; *Elite Research Prize (*EliteForsk Prize; 1,200,000 DKK; "awarded to outstanding researchers with international experience and a PhD age of maximum 15 years"), 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); **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**, 2022-2023 (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).

PUBLICATIONS: Web of Science **Highly Cited Researcher**, 2019-2022 (environment and ecology), 2018 (cross-field). Ranked 101 [number 1 in Denmark] on Reuters Hot List of climate scientists, 2021. 495 peer-reviewed papers in international scientific journals, 51 other scientific publications, and 33 popular science and educational publications. **Citation statistics**: Google Scholar: 42,652 citations, *H-index* = 105; ISI Web of Science: 26,861 citations, *H-index* = 83, 25 Highly Cited papers. 3 peer-reviewed papers in *Nature*, 4 in *Science* (plus 2 perspectives), 22 papers in *PNAS* (plus 4 comments), 3 *Science Advances*, 6 *Nature Ecology & Evolution*, 4 *Nature Climate Change*, 5 *Nature Communications*, 1 *Nature Sustainability*, 1 *Nature Plants*, and 14 *Ecology Letters*.

Peer-reviewed papers in international scientific journals:

495. 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. Accepted. Trophic rewilding can expand natural climate solutions. *Nature Climate Change*.
494. 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.
493. 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.
492. 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*, https://doi.org/10.1111/mec.16847.

491. Dunn-Capper, R. Quaas, M., Sandom, C.J., **Svenning, J.-C.** & Pereira, H.M. Accepted. Applying conventional funding mechanisms to rewilding: the opportunities and challenges for funding rewilding in Europe. *Restoration Ecology*.
490. Klassen, L., *et al*., **Svenning, J.-C.**, *et al*. Accepted. Ginnerup revisited. New excavations at a key Neolithic site on Djursland, Denmark. *Journal of Neolithic Archaeology*.
489. 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.
488. 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*.
487. Zymaroieva, 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.
486. Auffret, A.G. & **Svenning, J.-C.** 2022. Climate warming has compounded plant community responses to habitat conversion in northern Europe. *Nature Communications* 13:7818.
485. Gordon, C.E., Greve, M., Henley, M., Bedetti, A., Allin, P. & **Svenning, J.-C.** In press. Elephant rewilding affects landscape openness and fauna habitat across a 92-year period. *Ecological Applications*, e2810.
484. 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.
483. Wang, L., Pedersen, P.B.M. & **Svenning, J.-C.** Accepted. Rewilding abandoned farmland has greater sustainability benefits than afforestation. *npj Biodiversity*.
482. Zymaroieva, 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.
481. Klassen, L., *et al*., **Svenning, J.-C.**, *et al*. Accepted. Ginnerup revisited: New excavations at a key Neolithic site on Djursland, Denmark. *Journal of Neolithic Archaeology*.
480. 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.
479. Wallach, A.D., *et al*., **Svenning, J.-C.**, Avidor, E. & Lundgren, E. Accepted. Prey are savvy about introduced predators. *Conservation Biology*.
478. Kalusová, V., Chytrý, M., Večeřa, M., **Svenning, J.-C.**, *et al*. Accepted. Plant invasion of neophytes in European heathlands and scrub. *Biological Invasions*.
477. 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.
476. 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.
475. 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.
474. 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.
473. 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.
472. 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.

471. 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.
470. 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.
469. 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.
468. 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.
467. 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.
466. 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.
465. 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.
464. 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.
463. 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.
462. 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.
461. 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.
460. 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.
459. 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.
458. 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.
457. 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.
456. 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.
455. 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.
454. Gaisberger, M. *et al*., **Svenning, J.-C.**, *et al*. 2022. Tropical and subtropical Asia's valued tree species under threat. *Conservation Biology* 36:e13873.
453. 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
452. 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.

451. 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.
450. Vogel, S.M., Pasgaard, M. & **Svenning, J.-C.** 2022. Joining forces toward proactive elephant and rhinoceros conservation. *Conservation Biology* 36:e13726.
449. Perino, A., *et al*. **Svenning, J.-C.**, *et al*. 2021. Closing the gap between global targets and national-level implementation. *Conservation Letters* 15:e12848.
448. 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.
447. 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.
446. 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.
445. 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.
444. 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.
443. 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.
442. 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.
441. 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.
440. 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.
439. 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.
438. 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.
437. 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.
436. 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.
435. 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.
434. 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.

433. Mata, J., Buitenwerf, R.J. & **Svenning, J.-C.** 2021. Enhancing monitoring of rewilding progress through wildlife tracking and remote sensing. *PLoS One* 16:e0253148.
432. 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.
431. 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.
430. 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.
429. 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.
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2. **Svenning, J.-C.** 1999. Gensplejsede træer vil forurene de oprindelige naturområder og skabe en ensidig natur. *Skov & Folk* 16(3):10-11.
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INTERNATIONAL WORKSHOPS AND WORKING GROUPS: FRIPRO Toppforsk project *ECOGEN - Ecosystem change and species persistence over time: agenome-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-); *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. *Erhvervsprojekt for biologe*r: 2×2019, 1×2020, 1×2022. *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 Ceauşu 2017-2019. †41: Koenraad van Meerbek 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, 2021-2023. *†54: Oskar L.P. Hansen, 2021-2023. *†55: Juraj Bergman, 2021-2023. *†56: Coline Boonman, 2022-2024. *†57: Julia Mata, 2021-2022.

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: Rosemberg 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 Göldel 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 Mata 2021. †40: Vincent Fehr 2021. 41: Esraa Ammar (Tanta University, Egypt) 2021. 42: Claudia Troiano (University of Napoli Federico II, Italy). *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.

— 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: Sigrid Ilsøe 2014. †29: Maria Dahm 2014. †30: Rehne B. Vokstrup 2015. †31: Jeppe Pilgaard 2016. †32: Maria Henriksen 2016. †33: Marie-Louise Grønne 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 Larni Nielsen, 2017. †44: Klaus Berg 2017. †45: Line Guld 2017. †46: Mette Toft 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 Marie 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. 85: Kåre Krogstrup (University of Southern Denmark). 86: Julie Petersen (University of Copenhagen). *†87: Ditte Ejrnæs. *†88: Bent Rech (Göttingen University).

— 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. *†33: Sarah L. R. Nielsen.

INVITED LECTURES (coauthored not shown):

Invited lectures at international science meetings: *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, International Biogeography Society conference, 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 (GfÖ), 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 Plant, 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 (GfÖ), 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 lectures and other presentations: *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 klimaændringer 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-Quatenary 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 Atmopsheres 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?* (Folkeunivesitetet, 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, Montepellier); *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 functi*on (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" Borgerscenen, 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* (Folkeuniversitet, 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 vidensbaseret tilgang til nye arter i Danmark* (Biodiversitetssymposium, Universiy 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 græsnings 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 biodiversiten – 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, Hjortshøj, 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-microhabitat 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): 2237 entries (27/8 2022), plus many interntional features. A Google search on "Jens-Christian Svenning" gives 44,300 hits (27/8 2022).

EDITORIAL EXPERIENCE: *Deputy Editor-in-Chief,* **Ecography**: 2010-. *Subject editor* (plants), **Ecography**: 2005-2010. *Subject editor* (macroecology, broad-scale biodiversity, and global change), **Nordic Journal of Botany**: 2007-. *Associate editor*, **Journal of Biogeography**: 2007-2019. *Editorial board*, **Geography and Sustainability**: 2020-. *Advisory board*, **One Earth**, 2019-. *College of Biogeographers*, **Frontiers of Biogeography**, 2018-, **Quaternary**, 2017-2022. **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: (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 *V Biennial Meeting for 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 *IV Biennial Meeting for 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, 2020-2022; (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 Committtee, 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: (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 managenment, 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) a*d 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***: 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.