

## ECEM 2023 - List of posters

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Po.-No.	Title	AllAuthors	AuthorInstitutions
S01-1	Predicting the expansion and redistribution of mosquito species under climate change in Croatia	Tamara Djerdj <sup>1</sup> ; Domagoj Hackenberger K. <sup>1</sup> ; Tin Klanjšček <sup>2</sup> ; Sunčana Geček <sup>2</sup> ; Branimir Hackenberger K. <sup>3</sup>	<sup>1</sup> BioQuant; <sup>2</sup> Ruđer Bošković Institute; <sup>3</sup> SCIAM
S02-1	An ecological framework to connect the world's ocean: a trait-based guild distribution model to account for ecosystem specificity in range shift mechanisms.	Quentin Nogues PhD; Laura Airoidi; Alberto Barausse	University of Padua, Italy
S02-2	How null models can help us to evaluate the incorporation of intraspecific variation in ecological niche models. A case study for European beech ( <i>Fagus sylvatica</i> L.)	Niels Preuk <sup>1</sup> ; Daniel Romero-Mujalli; Damaris Zurell <sup>2</sup> ; Jürgen Kreyling <sup>1</sup>	<sup>1</sup> University of Greifswald; <sup>2</sup> University of Potsdam
S02-3	Identifying climate change forest refugia in the Berchtesgaden National Park	Sarah Le Berre <sup>1</sup> ; Dominik Thom <sup>2</sup> ; Rupert Seidl <sup>2</sup> ; Wolfgang Buermann <sup>1</sup> ; Cécile Remy <sup>1</sup>	<sup>1</sup> Universität Augsburg; <sup>2</sup> Technical University Munich
S02-5	metaRange: An R package to simulate metabolically constrained and population-based range dynamics	Stefan Fallert <sup>1</sup> ; Lea Li; Juliano Sarmento Cabral <sup>2</sup>	<sup>1</sup> Julius-Maximilians-Universität Würzburg; <sup>2</sup> University of Birmingham
S02-6	Migratory swans individually adjust their autumn migration and winter range to a warming climate	Hans Linssen <sup>1</sup> ; E. Emiel van Loon; Judy Z. Shamoun-Baranes; Rascha J. M. Nuijten; Bart A. Nolet	<sup>1</sup> University of Amsterdam
S02-7	Predicting species distributions from sparse survey data and remotely sensed environmental predictors – a how-to guide for everyone with basic knowledge in R	Matthias C. Spangenberg <sup>1</sup> ; Craig E. Simpkins <sup>1</sup> ; Sebastian Hanß <sup>1</sup> ; Jan Salecker <sup>1</sup> ; Maximilian H.K. Hesselbarth <sup>1</sup> ; Gabriel Marcacci <sup>1</sup> ; Arne Wenzel <sup>1</sup> ; Catrin Westphal <sup>1</sup> ; Ingo Graß <sup>2</sup> ; Teja Tschardt <sup>1</sup> ; Kerstin Wiegand <sup>1</sup>	<sup>1</sup> Göttingen University; <sup>2</sup> Hohenheim University
S02-8	Role of spatiotemporal environmental fluctuations in facilitating range expansion under climate change	David Scott	
S02-9	TreeMig - A framework to predict spatiotemporal forest dynamics The TreeMig Framework for spatio-temporal forest dynamics	Daniel Scherrer; David Böhm; Alain Joss; Achilleas Psomas; Dirk Schmatz; Heike Lischke	Swiss Federal Institute for Forest, Snow and Landscape Research (WSL)
S03-1	Can we infer microbial dispersal mechanisms from the georeferenced genetic sequences?	Valentin Slepukhin <sup>1</sup> ; Oskar Hallatschek <sup>2</sup>	<sup>1</sup> Leipzig University; <sup>2</sup> Leipzig University and UC Berkely
S03-2	Critical review of movement representations in ecological models used for chemical risk assessment	Pernille Thorbek; Joachim Kleinmann	BASF SE
S03-3	Life history traits explain variation in spatial population synchrony across European bird species	Ellen Matin <sup>1</sup> ; Brage Bremset Hansen <sup>2</sup> ; Aline Magdalena Lee <sup>1</sup> ; Ivar Herfindal <sup>1</sup>	<sup>1</sup> Norwegian University of Science and Technology; <sup>2</sup> Dept. of Terrestrial Ecology, Norwegian Institute for Nature Research, 7485 Trondheim, Norway
S03-4	Modelling the effects of toxicants on behavior - a case study using <i>Daphnia magna</i>	Tamara Djerdj <sup>1</sup> ; Domagoj Hackenberger K. <sup>2</sup> ; Tin Klanjšček <sup>3</sup> ; Branimir Hackenberger K. <sup>4</sup>	<sup>1</sup> Josip Juraj Strossmayer University of Osijek; <sup>2</sup> BioQuant; <sup>3</sup> Ruđer Bošković Institute; <sup>4</sup> SCIAM
S05-1	From combinatorial explosion to transferable predictions: Mechanistic modelling and microbial ecology of multiple stressors.	Milos Bielic; Mohan Bi; Matthias Rillig	Freie Universität Berlin
S05-2	SwarmSim - Insect swarming simulation package based on IBMs	Domagoj Hackenberger K. <sup>1</sup> ; Tamara Djerdj <sup>1</sup> ; Sunčana Geček <sup>2</sup> ; Tin Klanjšček <sup>2</sup> ; Branimir Hackenberger K. <sup>3</sup>	<sup>1</sup> BioQuant; <sup>2</sup> Ruđer Bošković Institute; <sup>3</sup> SCIAM
S05-3	Towards coupling fish dynamics and physical-biogeochemical models: preliminary insights	Elisa Donati <sup>1</sup> ; S. Libralato <sup>2</sup> ; C. Solidoro <sup>2</sup>	<sup>1</sup> National Institute of Oceanography and Applied Geophysics – OGS / <sup>2</sup> University of Trieste; <sup>2</sup> National Institute of Oceanography and Applied Geophysics – OGS;
S06-1	A general likelihood-based method for the inferential analysis of agent-space reactant-catalyst-product models.	Niklas Moser; Dmitri Finkelshtein; Sara Hamis; Panu Somervuo; Otso Ovaskainen	
S06-2	Automatically Reusing Simulation Experiments in Ecological Modelling and Simulation Studies	Pia Wilsdorf; Adelinde M. Uhrmacher	University of Rostock
S06-3	Introducing the Formal Model and Model Implementation Documentation with Doxygen (MIDox) Paper Formats for Transparent and Reproducible Modelling	Christopher John Topping; Luna Kondrup Marcussen; Peet Thomsen; Trine Poulsen; Jordan Chetcuti	Aarhus University

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S06-4	The mangrove-saltmarsh ecotone: Explaining observed vegetation patterns with a mechanistic modelling approach considering plant-soil-water-feedback	Jonas Vollhüter <sup>1</sup> ; Ronny Peters <sup>2</sup> ; Marie-Christin Wimpler <sup>2</sup> ; Jasper Bathmann <sup>2</sup> ; Uta Berger <sup>2</sup> ; Britta Tietjen <sup>1</sup>	<sup>1</sup> Freie Universität Berlin; <sup>2</sup> Technische Universität Dresden
S08-1	Effects of insect disturbances on forest biogeochemical cycles using the Quincy Terrestrial Biosphere Model	Yimian Ma; Albert Jornet Puig; Sönke Zaehle; Ana Bastos	Max Planck Institute for Biogeochemistry
S08-2	Modeling the effect of invasive forest pests on carbon stocks with an individual-based forest model	Nick Schafstall <sup>1</sup> ; Laura Dobor <sup>1</sup> ; Andrew Liebhold <sup>2</sup> ; Werner Rammer <sup>3</sup> ; Tomáš Hlásný <sup>1</sup>	<sup>1</sup> Czech University of Life Sciences; <sup>2</sup> US Forest Service Northern Research Station; <sup>3</sup> Technical University Munich
S08-3	Modelling disturbances in a changing climate: the Eco2Adapt project and a case study from the Swiss Alps	Maximiliano Costa; Harald Bugmann	ETH (Zurich)
S08-5	Two sources energy balance model can enhance the ability of crop models to simulate phenology----A case study for silage maize in German	Chenzhi Wang; Diane Cooke; Heidi Webber	Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF) e. V.
S08-6	Validating simulation result of ecological impact from phenol spilling accident on the Korean river with AQUATOX and EFDC model	Jaehoon Yeom, Sang Don Kim	<sup>1</sup> Gwangju Institute of Science and Technology
S10-1	Eddy covariance flux data for supporting local CO2 emissions reduction strategies: integration of direct observations, remote sensing and a machine learning approach	Marta Galvagno <sup>1</sup> ; Luca Tuzzi <sup>2</sup> ; Gianluca Filippa <sup>1</sup> ; Daniela Dalmonech <sup>3</sup> ; Edoardo Cremonese <sup>1</sup> ; Enrico Tomelleri <sup>4</sup> ; Alessio Collalti <sup>3</sup> ; Laura Sironi <sup>5</sup> ; Riccardo Scodellaro <sup>5</sup> ; Roberto Colombo <sup>2</sup>	<sup>1</sup> Environmental Protection Agency of Aosta Valley; <sup>2</sup> University of Milano-Bicocca; <sup>3</sup> National Research Council of Italy; <sup>4</sup> Free University of Bolzano; <sup>5</sup> University of Milano-Bicocca
S10-2	Geometric and demographic effects reconcile scale-dependent fragmentation-biodiversity relationships	Stav Gelber <sup>1</sup> ; Felix May	<sup>1</sup> Freie Universität Berlin
S11-1	How bio-induced impermeabilization can trigger ecological succession	Jonas Paccolat	EPFL
S12-1	Environmental factors affecting the natural regeneration process in a beech forest in the Italian peninsula	Vincenzo Saponaro <sup>1</sup> ; Daniela Dalmonech <sup>2</sup> ; Alessio Collalti <sup>2</sup> ; Vincenzo Saponaro <sup>2</sup> ; Alessio Collalti <sup>1</sup> ; Alessio Collalti <sup>3</sup>	<sup>1</sup> Università della Tuscia; <sup>2</sup> CNR - National Research Council of Italy; <sup>3</sup> National Biodiversity Future Center (NBFC)
S12-2	Expected enhanced growth in Pyrenean forests under climate change	Aitor Ayape; Juan A. Blanco	Public University of Navarre
S12-3	Exploring the influence of climate and interspecific competition on changes in forest composition in the temperate rainforests of the Valdivian Ecoregion in Chile	Javier Ortega-Reyes <sup>1</sup> ; Álvaro G. Gutiérrez <sup>1</sup> ; Jonathan Barichivich <sup>2</sup>	<sup>1</sup> Universidad de Chile; <sup>2</sup> Centre National de la Recherche Scientifique
S12-4	Forest Fragmentation in the Tuchola Forest: A Case Study on the Impact of Windstorms	Sanjana Dutt; Mięczysław Kunz	Nicolaus Copernicus University, Toruń, Poland
S12-5	Modelling demographic processes to understand spatial patterns of alpine treelines and reproduce treeline forms: the STEM	Lukas Flinspach <sup>1</sup> ; Thorsten Wiegand <sup>2</sup> ; Maaïke Y. Bader <sup>3</sup>	<sup>1</sup> University of Marburg and UFZ - Helmholtz Centre for Environmental Research; <sup>2</sup> UFZ - Helmholtz Centre for Environmental Research; <sup>3</sup> University of Marburg
S12-6	Systematic distributions of interaction strengths across tree-tree networks yield positive diversity-productivity relationships	Wentao Yu; Georg Albert; Benjamin Rosenbaum; Florian Schnabel; Helge Bruelheide; John Connolly; Werner Härdtle; Goddert von Oheimb; Stefan Trogisch; Nadja Rüger; Ulrich Brose	
S15-2	Root-grafted tree networks from an eco-evolutionary perspective – a model-based analysis of the theoretical ecological benefit of cooperative trees	Johanna Mixsa; Martin Zwanzig	Technische Universität Dresden
S16-1	Comparison of estimated reduction in GHG emissions after re-wetting of peatlands depending on the method of estimating emissions and the diversity of vegetation before and after re-wetting	Ewa Jabłońska	University of Warsaw
S16-2	Integrated crop and soil organic matter model for arable cropping systems	Ines Astrid Tougma <sup>1</sup> ; Marijn Van de Broek <sup>2</sup> ; Heidi Webber <sup>3</sup>	<sup>1</sup> ETH Zürich and Leibniz Centre for Agricultural Landscape Research, ZALF; <sup>2</sup> ETH Zurich; <sup>3</sup> Leibniz Centre for Agricultural Landscape Research, ZALF
S16-3	Introducing Animals to a DGVM - How to Implement Herbivory in Vegetation Modelling	Jens Krause <sup>1</sup> ; Moritz Kupisch <sup>2</sup> ; Peter Anthoni <sup>2</sup> ; ika Harfoot <sup>3</sup> ; Angélica L. González <sup>4</sup> ; Almut Arneht <sup>2</sup>	<sup>1</sup> Karlsruhe Institute of Technology (KIT); <sup>2</sup> Karlsruhe Institut für Technologie (KIT); <sup>3</sup> Vizuality; <sup>4</sup> Rutgers University Camden
S16-4	Land-cover and management modulation of ecosystem resistance to drought stress in terrestrial biosphere models	Chenwei Xiao <sup>1</sup> ; Sönke Zaehle <sup>1</sup> ; Stephen Sitch <sup>2</sup> ; Hui Yang <sup>1</sup> ; Jean-Pierre Wigneron <sup>3</sup> ; Christiane Schmullius <sup>4</sup> ; Ana Bastos <sup>1</sup>	<sup>1</sup> Max Planck Institute for Biogeochemistry, Jena, Germany; <sup>2</sup> College of Life and Environmental Sciences, University of Exeter, Exeter, UK; <sup>3</sup> INRAE, UMR1391 ISPA, Université de Bordeaux, F-33140 Villenave d'Ornon, France; <sup>4</sup> Department for Earth
S19-1	Numerical modelling and reconstruction of high-latitude boreal forest dynamics based on current and paleoclimate data	Luca Zsófia Farkas; Bernhard Diekmann; Stefan Kruse	Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
S20-1	Participatory modelling in the context of African swine fever control in wild boar in Germany	Jana Schulz; Lisa Rogoll; Carola Sauter-Louis; Katja Schulz	Friedrich-Loeffler-Institut

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S21-1	A regulatory view on the use of effect models for the environmental risk assessment of plant protection products	Jeremias Becker; Sabine Duquesne; Magali Solé; Silvia Pieper	UBA, German Environment Agency
S21-2	An Integrated Modelling Approach to Optimize Farm Management Resource Allocation Accounting for Weather Variability in Northern Ghana	Opeyemi Adelesi; Opeyemi Adelesi; Kim Yean-UK	Leibniz Center for Agricultural Landscape Research (ZALF)
S21-3	Consistent wildlife modelling across Tiers of the European environmental risk assessment	Dirk Nickisch; Alexander Singer; Thomas Martin; Jan-Dieter Ludwigs	RIFCON GmbH
S21-4	Global Sensitivity Analysis of the harmonised Lemna model	Chloé Guisnet <sup>1</sup> ; Stefan Reichenberger <sup>1</sup> ; Frank Voß <sup>2</sup>	<sup>1</sup> knoell France SAS; <sup>2</sup> Knoell Germany GmbH
S21-5	Incorporating fossil data into climate change vulnerability assessments	Arianna Morena Belfiore <sup>1</sup> ; Alessandro Mondanaro <sup>2</sup> ; Silvia Castiglione <sup>3</sup> ; Marina Melchionna <sup>3</sup> ; Pasquale Raia <sup>3</sup> ; Mirko Di Febrario <sup>1</sup>	<sup>1</sup> University of Molise; <sup>2</sup> University of Florence; <sup>3</sup> University of Naples - Federico II
S21-6	Individual-based demographic modelling reveals the impacts of electrocution and its mitigation on Bonelli's eagles	Tiago Crispim-Mendes <sup>1</sup> ; Ana Teresa Marques <sup>2</sup> ; Luís Palma <sup>2</sup> ; Ricardo Pita <sup>1</sup> ; Francisco Moreira <sup>2</sup> ; Pedro Beja <sup>2</sup>	<sup>1</sup> Universidade de Évora, Portugal; <sup>2</sup> CIBIO, Universidade do Porto, Portugal
S21-7	Merging an agent-based modelling approach of nutritional ecology and a population dynamics model at landscape level for the management of the Senegalese grasshopper	Esther Diouf <sup>1</sup> ; Cyril Piou <sup>2</sup> ; Arianne Cease <sup>3</sup> ; Mamour Touré <sup>4</sup> ; Lucile Marescot <sup>2</sup>	<sup>1</sup> CIRAD ; <sup>2</sup> CIRAD; <sup>3</sup> ASU; <sup>4</sup> UGB
S21-8	Multi-scale analyses of past climate change impacts on desert locust population dynamics	Fanny Herbillon <sup>1</sup> ; Cyril Piou <sup>1</sup> ; Christine Meynard <sup>2</sup>	<sup>1</sup> CIRAD, UMR CBGP, F-34398 Montpellier, France; <sup>2</sup> INRAE, UMR CBGP, F-34398 Montpellier, France
S22-1	Anthropogenic stressors alter food webs of freshwater fish communities	Oksana Buzhdygan <sup>1</sup> ; Milica Stojković Piperac <sup>2</sup> ; Britta Tietjen <sup>1</sup>	<sup>1</sup> Freie Universität Berlin; <sup>2</sup> University of Niš
S23-1	Top-down and bottom-up coupling effects of subsidies on recipient ecosystems	Stephen E. Osakpolor <sup>1</sup> ; Alessandro Manfrin <sup>1</sup> ; Shawn L. Leroux <sup>2</sup> ; Ralf B. Schäfer <sup>1</sup> ; Anne M. McLeod <sup>3</sup>	<sup>1</sup> Technical University Kaiserslautern-Landau; <sup>2</sup> Memorial University of Newfoundland and Labrador; <sup>3</sup> University of Canterbury
S24-1	Succession in semi-natural habitats - a multi-modelling approach for a spatially explicit landscape model	Quintana Rumohr; Gottfried Lennartz; Andreas Toschki; Silvana Hudjetz	Research insitute gaiaic
S26-1	An automated rapid assessment of post-disturbance forest resilience	Michael Reuss; Maria Potterf; Rupert Seidl; Werner Rammer	Technical University Munich
S26-2	BEyond - Learning from the Biodiversity Exploratories to make predictions beyond them	Marvin Ludwig; Jan Linnenbrink; Maite Lezama Valdes; Lena Neuenkamp; Norbert Hölzel; Hanna Meyer	
S26-3	Factor dissimilarity explains variability of soil functions in response to multiple global change factors	Mohan Bi; Huiying Li; Peter Meidl; Yanjie Zhu; Matthias Rillig	Freie Universität Berlin - Institut für Biologie
S26-4	Integration of UMAP and Random Forest for Improving Our Understanding of Soil-Landscape Relationships	Ruhollah Taghizadeh-Mehrjardi; Ndiye M Kebonye; Nafiseh Kakhani; Thomas Scholten	University of Tübingen
S26-5	Landscape-level soil CNP stoichiometry driver relationships are scale-dependent	Ndiye M Kebonye <sup>1</sup> ; Ruhollah Taghizadeh-Mehrjardi <sup>2</sup> ; Kingsley John <sup>3</sup> ; Prince Chapman Agyeman <sup>4</sup> ; Nafiseh Kakhani <sup>1</sup> ; Zibanani Seletlo <sup>5</sup> ; Thomas Scholten <sup>1</sup>	<sup>1</sup> University of Tübingen; <sup>2</sup> Eberhard Karls Universität Tübingen; <sup>3</sup> Dalhousie University; <sup>4</sup> University of Missouri - Columbia; <sup>5</sup> Botswana University of Agriculture and Natural Resources
S26-6	Modeling species diversity in streams: comparing three machine learning algorithms	Yong Cao	University of Illinois at Urbana-Champaign
S26-7	Revealing patterns of global vascular plant co-occurrences with nonlinear dimensionality reduction	Daria Svidzinska <sup>1</sup> ; Miguel D. Mahecha <sup>2</sup> ; Karin Mora <sup>2</sup> ; Teja Kattenborn <sup>2</sup> ; Guido Kraemer <sup>1</sup> ; Hannes Feilhauer <sup>3</sup> ; Christian Wirth <sup>2</sup>	<sup>1</sup> Leipzig University; <sup>2</sup> Leipzig University / iDiv; <sup>3</sup> Leipzig University / UFZ
S28-1	kNNDM: k-fold Nearest Neighbour Distance Matching Cross-Validation for map accuracy estimation	Jan Linnenbrink <sup>1</sup> ; Carles Milà <sup>2</sup> ; Marvin Ludwig <sup>1</sup> ; Hanna Meyer <sup>1</sup>	<sup>1</sup> Institute of Landscape Ecology, University of Münster; <sup>2</sup> Barcelona Institute for Global Health (ISGlobal)
S29-2	Environmental federalism and agri-environment schemes: is there more to centralization than uniform policies?	Caterina De Petris <sup>1</sup> ; Martin Drechsler <sup>2</sup> ; Frank Wätzold <sup>1</sup>	<sup>1</sup> Brandenburg University of Technology Cottbus-Senftenberg; <sup>2</sup> Helmholtz Centre for Environmental Research – UFZ
S29-3	Modeling plant community development on a building envelope optimized for promoting plant diversity	Laura Windorfer <sup>1</sup> ; Anne Mimet <sup>1</sup> ; Victoria Culshaw <sup>1</sup> ; Jens Joschinski <sup>1</sup> ; Wolfgang Weisser <sup>1</sup> ; Surayyn Uthaya Selvan <sup>2</sup> ; Shany Barath <sup>3</sup>	<sup>1</sup> Technical University Munich, School of Life Science; <sup>2</sup> TECHNION-Israel Institute of Technology; <sup>3</sup> Technion - Israel Institute of Technology
S29-4	The spread of Aedes albopictus in Spain: linking human mobility and habitat suitability	Marta Pardo-Araujo, David Garc'ia-Garc'ia, Roger Eritja, John Palmer, David Alonso, Frederic Bartumeus	<sup>1</sup> Centre d'Estudis Avançats de Blanes; <sup>2</sup> CIBERESP / CNE-ISCIII; <sup>3</sup> Centre d'Estudis Avançats de Blanes; <sup>4</sup> Universidad Pompeu Fabra; <sup>5</sup> CSIC; <sup>6</sup> Centre d'Estudis Avançats de Blanes / Centro Nacional de Epidemiologia / Institució Catalana de Recerca i Estudis Avançats
S30-1	A new conceptual framework that integrates multiple problems at multiple spatial scales for simultaneous solution of the global environmental issues	Reiichiro Ishii	Research Institute for Humanity and Nature

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S30-2	Factors to Scale Up Innovative and Sustainable Food Systems: A Flemish Case Study	Alba Alonso Adame; Jef Van Meensel; Siavash Farahbakhsh	Flanders Research Institute for Agriculture, Fisheries and Food (ILVO)
S30-3	Model based approach in understanding the socio ecological change impacts on Asian elephant habitats.	Chithrangani Rathnayake <sup>1</sup> ; Shermin de Silva <sup>2</sup>	<sup>1</sup> Trunks & Leaves inc; <sup>2</sup> University of California,
S30-4	Quantifying nature's contributions to agriculture - the role of social-ecological factors	Yiyi Zhang; Hugo Thierry; Lael Parrott; Brian Robinson	
S30-5	How policy affects farmers and shapes landscapes - concept for an agent-based exploration	Lea Kolb	German Center for Integrated Biodiversity Research (iDiv) Halle-Jena-Leipzig/Helmholtz Centre for Environmental Research - UFZ
S30-6	Model-based exploration of leverage points to foster sustainable nitrogen management in German agriculture	Kaja Jurak <sup>1</sup> ; Birgit Müller <sup>2</sup>	<sup>1</sup> UFZ Helmholtz Centre for Environmental Research / <sup>2</sup> BTU Cottbus
S31-1	An short Overview : The Preview of the Marketing of Firewood in the Federal Capital Territory Abuja, Nigeria.	Michael Oke	Michael Adedotun Oke Foundation
S31-2	The potential use of a dynamic forest model as decision support in mountain protection forests of Switzerland	Gina Marano, Harald Bugmann	ETH Zürich
S31-3	Trait-based structuring of animal biodiversity identifies five major patterns	Nina Marn <sup>1</sup> ; Starrlight Augustine <sup>2</sup> ; Konstada Lika <sup>3</sup> ; Sebastiaan A. L. M. Kooijman <sup>4</sup>	<sup>1</sup> Rudjer Boskovic Institute; <sup>2</sup> Instituto Superior Técnico, University of Lisbon; <sup>3</sup> Department of Biology, University of Crete; <sup>4</sup> Department of Theoretical Biology, VU University Amsterdam
S31-4	Tree diversity in future scenarios of climate change and forest management	Constanza Vera <sup>1</sup> ; Álvaro Gutiérrez <sup>1</sup> ; Mauricio Galleguillos <sup>2</sup>	<sup>1</sup> Universidad de Chile; <sup>2</sup> Universidad Adolfo Ibáñez
S31-5	Uncertainty of a future forest	Flaminia Cattali <sup>1</sup> ; Werner Rammer <sup>2</sup> ; Matteo Spada <sup>3</sup>	<sup>1</sup> wetransform GmbH; <sup>2</sup> Technical University of Munich, TUM School of Life Sciences; <sup>3</sup> Zurich University of Applied Sciences, School of Engineering
S31-6	Modelling how management options for disturbed spruce areas affect reforestation dynamics – a predictive ecology approach for a supra-regional field trial in Thuringia	Xinying Zhou; Martin Zwanzig	TU Dresden
OT-1	Modeling invasion of marine species in Mediterranean ecosystems: approaches for challenging the (poor) plasticity of functional type-based food web models	Karolina Czechowska <sup>1</sup> ; I. Celic <sup>2</sup> ; N. Serpetti <sup>3</sup> ; E. Azzurro <sup>4</sup> ; S. Libralato <sup>2</sup>	<sup>1</sup> University of Trieste; <sup>2</sup> National Institute of Oceanography and Applied Geophysics - OGS; <sup>3</sup> European Commission, Joint Research Centre; <sup>4</sup> Italian National Research Council CNR- IRBIM
OT-2	Predicting the kinetic of spread for Alien Invasive Species in the Mediterranean Sea: <i>Caulerpa cylindracea</i> as a case study	Marco Fianchini <sup>1</sup> ; C. Solidoro <sup>2</sup> ; D. Canu <sup>3</sup>	<sup>1</sup> University of Trieste; <sup>2</sup> National Institute of Oceanography and Applied Geophysics - OGS; <sup>3</sup> 1 University of Trieste, 2 National Institute of Oceanography and Applied Geophysics
OT-3	Understanding the habitat and distribution of the threatened Eastern waterfan ( <i>Peltigera hydrothyria</i> ) lichen within Canada	Miranda Frison <sup>1</sup> ; Sean R. Haughian <sup>1,2</sup> ; Peter Bush <sup>3</sup>	<sup>1</sup> Saint Mary's University; <sup>2</sup> Nova Scotia Museum; <sup>3</sup> Nova Scotia Department of Natural Resources and Renewables
OT-4	Predicting colony level effects from laboratory data using BEEHAVEecotox	Vanessa Roeben; M. Miles; D. Schmehl; Thomas G. Preuss	Bayer AG, Division Crop Science
OT-5	The visual ODD: A standardized visualization of individual-based models, inspired by the Overview, Design concepts and Details protocol	Leonna Szangolies, Marie-Sophie Rohwäder, Cara Gallagher, Alexander Milles, Rodrigo Souto-Veiga, Fatima Jahanmiri, Hazem Ahmed, Volker Grimm	