Programme

International Conference
Models in Population Dynamics and Ecology
26-29 August 2013

Institute of Environmental Systems Research
School of Mathematics & Computer Science
Osnabrück University, Germany
**Sunday, August 25**

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<td>16:00-18:00</td>
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<td>Registration in the lobby of the School of Physics, Bldg. 32, Westerberg Campus</td>
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**Monday, August 26**

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<td>Opening</td>
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<td>May-Britt Kallenrode, Vice President</td>
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<td>Horst Malchow, Co-organizer</td>
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<td>09:00-10:30</td>
<td>Plenary Talks</td>
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<td>Chair: Sergei V. Petrovskii</td>
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<td>09:00-09:45</td>
<td>Emilio Hernández-García (ESP)</td>
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<td>Mobility and flow effects across biological scales</td>
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<td>09:45-10:30</td>
<td>Ulrike Feudel (GER)</td>
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<td>Harmful algal blooms: combining excitability and competition</td>
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<td>10:30-11:00</td>
<td>Coffee Break</td>
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<td>11:00-12:20</td>
<td>Minisymposium K. Knüppe (GER)</td>
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<td>Social-ecological system research for sustainable resources management</td>
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<td>Chair: Frank M. Hilker (GBR)</td>
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<td>Agostino Merico (GER)</td>
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<td>A trait-based modelling perspective for social-ecological systems</td>
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<td>11:00-11:20</td>
<td>Jean-Baptiste Burie (FRA)</td>
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<td>What should be the animal distribution in a hen house to minimize the risk of propagation of Salmonella?</td>
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<td>Jean-Christophe Poggiale (FRA)</td>
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<td>Modeling phytoplankton-zooplankton interaction: from laboratory experiments to marine fields</td>
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<td>11:20-11:40</td>
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<td><strong>Gunnar Brandt</strong> (GER) Sustainable harvest in a simple social-ecological system - an evolutionary dynamics approach</td>
<td><strong>Gustavo Cruz-Pacheco</strong> (MEX) Seasonal and climatic effects on the West Nile virus infection</td>
<td><strong>Alexei Ryabov</strong> (GER) Location of the production layer affects the rules of phytoplankton resource competition</td>
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<td>11:40-12:00</td>
<td></td>
<td><strong>Georg Holtz</strong> (GER) Actor rationality as source for uncertainty in models of socio-ecological systems: a comparison of two agent-based models of agricultural land-use change</td>
<td><strong>Joyce de Figueiró Santos</strong> (BRA) The role of seasonality in the stability of bee colonies infested by the Varroa mite</td>
<td><strong>Nicola Lewis</strong> (GBR) Multitrophic interactions in the sea: assessing the effect of infochemical-mediated foraging in a 1-d spatial model</td>
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<td>12:00-12:20</td>
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<td><strong>Kathrin Knüppe</strong> (GER) The management of natural resources in complex social-ecological systems: the role of ecosystem services towards integrative and adaptive management</td>
<td><strong>Aziz Ouhinou</strong> (MAR) Epidemiological models with nonlinear endogenous self-protection measure</td>
<td><strong>Andrew Morozov</strong> (GBR) Feeding on multiple sources: Towards a universal parameterization of the functional response of a generalist predator allowing for switching</td>
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<td>12:20-14:00</td>
<td>Lunch Break</td>
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<td>14:00-14:50</td>
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<td><strong>Mats Gyllenberg</strong> (FIN) Functional responses and how they evolve by natural selection</td>
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<td>14:50-16:10</td>
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<td>Contributed Talks <strong>MAT 01</strong> Chair: Danielle Hilhorst (FRA)</td>
<td>Contributed Talks <strong>NOI</strong> Chair: Davide Valenti (ITA)</td>
<td>Contributed Talks <strong>MAR</strong> Chair: Alexei Ryabov (GER)</td>
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<td>14:50-15:10</td>
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<td><strong>Stefan Geritz</strong> (FIN) Group defence and the predator's functional response</td>
<td><strong>Christoph Schmitt</strong> (GER) Investigating the robustness of cyclic dominance of sockeye salmon</td>
<td><strong>Chiara Accolla</strong> (FRA) Modelisation of fish schooling: analysis of functional response in presence of density-dependent processes</td>
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<td>15:10-15:30</td>
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<td><strong>Sten Madec</strong> (FRA) Competition for a single resource in an heterogeneous environment with fast migration</td>
<td><strong>Antonio Gómez-Corral</strong> (ESP) Stochastic models of host-parasite interaction in a seasonal environment</td>
<td><strong>Flora Cordoleani</strong> (USA) Impact of the combined effect of environmental variability and fishing on Pacific salmon population dynamics and persistence</td>
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<td>15:30-15:50</td>
<td>Fabio A.C.C. Chalub (POR)</td>
<td>The forward generalized Kimura equation</td>
<td>Tobias Galla (GBR)</td>
<td>Yoan Eynaud (USA)</td>
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<td>Demographic noise and resilience in a semi-arid ecosystem model</td>
<td>How does herbivore behavior influence coral reef ecosystem resilience: a modeling perspective</td>
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<td>15:50-16:10</td>
<td>Natalia Petrovskaya (GBR)</td>
<td>Evaluation of pest insect abundance in the presence of noise</td>
<td>Yen Ting Lin (USA)</td>
<td>Adel Ferchichi (TUN)</td>
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<td>Demographic stochasticity and the evolution of dispersal: On regime shifts driven by demographic fluctuations and evolutionarily stable dispersal rate</td>
<td>Viability analysis of fisheries management on hermaphrodite population</td>
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<td>16:30-17:50</td>
<td>Contributed Talks MAT 02 Chair: Henri Laurie (RSA)</td>
<td>Minisymposium F.M. Hilker (GBR) Controlling chaotic population dynamics</td>
<td>Minisymposium J.A. Freund (GER) Noise effects in planktonic systems</td>
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<td>16:30-16:50</td>
<td>Anthony Malkassian (FRA)</td>
<td>An in situ flow-cytometry approach to analyze high-frequency variability of phytoplankton communities</td>
<td>Bob W. Kooi (NED)</td>
<td>Jan A. Freund (GER)</td>
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<td>Overview of different routes to chaos in ecosystems models</td>
<td>Effects of environmental noise on the occurrence of red tides</td>
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<td>16:50-17:10</td>
<td>William Morris (AUS)</td>
<td>On the accuracy of models with informative priors</td>
<td>Daniel Franco (ESP)</td>
<td>Davide Valenti (ITA)</td>
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<td>Reduction of population fluctuations by using adaptive limiter control</td>
<td>A stochastic reaction-diffusion-taxis model for picophytoplankton dynamics: analysis and comparison with experimental data</td>
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<td>17:10-17:30</td>
<td>David Nerini (FRA)</td>
<td>A functional data analysis approach for discrimination and dynamical evolution of phytoplankton communities</td>
<td>Alfonso Ruiz-Herrera (ESP)</td>
<td>Michael Sieber (GBR)</td>
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<td>Analysis of dispersal effects in simple metapopulation models</td>
<td>Noise-induced suppression of periodic travelling waves</td>
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<td>17:30-17:50</td>
<td>Jarosław Śmieja (POL)</td>
<td>Sensitivity methods in population dynamics</td>
<td>Lutz Becks (GER)</td>
<td>Lutz Schimansky-Geier (GER)</td>
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<td>Weak synchronization in chaotic communities</td>
<td>Interaction of noise supported Ising-Bloch fronts with Dirichlet boundaries</td>
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<td>18:15-19:15</td>
<td>Nanako Shigesada (JPN)</td>
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<td>Invasive spread in patchy environments: effects of diffusion, directed movement and population pressure</td>
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<td>Bas Kooijman (NED)</td>
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<td>Dynamic Energy Budget theory - past and future</td>
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<td>Roger Nisbet (USA)</td>
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<td>Generic population dynamic effects of toxicants predicted from Dynamic Energy Budget theory</td>
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<td>Minisymposium B. Blasius (GER)</td>
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<td>Meta food-webs: a new paradigm in spatial ecology</td>
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<td>Eric Tromeur (GBR)</td>
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<td>Stability of metacommunities: a generalized modeling approach</td>
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<td>Daniel Ritterskamp (GER)</td>
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<td>Oscillatory states in an evolutionary food web model</td>
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<td>Eva-Marie Weiel (GER)</td>
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<td>How does migration between patches influence evolutionary food webs?</td>
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<td>Bernd Blasius (GER)</td>
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<td>A niche-space approach for modeling meta food-webs</td>
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**Tuesday, August 27**

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<td>Plenary Talk</td>
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<td>Chair: Nicholas F. Britton (GBR)</td>
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<td>14:00-14:50</td>
<td>Alan Hastings (USA)</td>
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<td>Sudden transitions in ecological systems: models and potential warning signs</td>
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<td>Mathematical modeling of cancer cell migration: multiscale approaches I</td>
<td>Chair: Ulrike Feudel (GER)</td>
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<td>Malbor Asllani (ITA)</td>
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<td>Danielle Hilhorst (FRA)</td>
<td>Malay Banerjee (IND)</td>
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<td>15:10-15:30</td>
<td>Chris Hadjichrysanthou (GBR)</td>
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<td>Markus Knappitsch (GER)</td>
<td>Michael Bengfort (GER)</td>
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<td>Epidemic control analysis: an effective targeted intervention strategy against infectious disease spread in networks</td>
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<td>Brain invaders. Multiscale modelling of glioma invasion</td>
<td>Plankton patchiness and plankton blooms generated by 2D turbulent flows</td>
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<td>Alex James (NZL)</td>
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<td>Thomas Lorenz (GER)</td>
<td>Shigefumi Hata (GER)</td>
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<td>Disentangling nestedness from models of complex ecosystems</td>
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<td>Multiscale models for cancer cell migration in less regular function spaces</td>
<td>Dispersal-induced extinction in ecological metapopulations</td>
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<td>Christian Stinner (GER)</td>
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<td>Shai Kinast (ISR)</td>
<td>Malay Banerjee (IND)</td>
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<td>On a multiscale model involving cell contractivity and its effects on tumor invasion</td>
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<td>Biogenic crust dynamics on sand dunes</td>
<td>Plankton patchiness and plankton blooms generated by 2D turbulent flows</td>
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<td>Chair: Alex James (NZL)</td>
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<td>Mathematical modeling of cancer cell migration: multiscale approaches II</td>
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<td>16:30-16:50</td>
<td>Kieran J. Sharkey (GBR)</td>
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<td>Rachelle Binny (NZL)</td>
<td>Diomar Cristina Mistro (BRA)</td>
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<td>Exact deterministic epidemic models on networks</td>
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<td>Multi-scale modelling of cell invasion</td>
<td>Multiple spatial scales in a plant herbivore model</td>
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<td><strong>Robert Wilkinson</strong> (GBR) Markovian susceptible-infectious-susceptible (SIS) dynamics on finite networks: Endemic prevalence and invasion probability</td>
<td><strong>Gülnihal Meral</strong> (TUR) Mathematical analysis and numerical simulations for a system modeling acid-mediated tumor cell invasion</td>
<td><strong>Astrid Potiek</strong> (GER) Effects of habitat on population regulation in common buzzards <em>Buteo buteo</em></td>
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<td><strong>Max O. Souza</strong> (BRA) Multiscaling modelling in evolutionary dynamics</td>
<td><strong>Vitalii Akimenko</strong> (UKR) Evolutionary age-structured cell dynamic models</td>
<td><strong>Mickaël Teixeira Alves</strong> (GBR) Simple rules for identifying positive indirect effects in classes of one-predator--two-prey models</td>
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<td><strong>Nora Stahnke</strong> (GER) Intraspecific competition models considering two resources</td>
<td><strong>Christian Winkel</strong> (GER) Modelling the dynamics of TNF-receptor clustering: a population balance approach</td>
<td><strong>Yuval R. Zelnik</strong> (ISR) Regime shifts in spatially extended ecosystems</td>
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<td>18:15-19:15</td>
<td><strong>Masayasu Mimura</strong> (JPN)</td>
<td>Model-aided understanding of competitive exclusion and coexistence</td>
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<td>20:00</td>
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<td>Conference Dinner at brewpub <strong>Rampendahl</strong>, Hasestraße 35, 49074 Osnabrück</td>
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<td>Aggregation of variables in ecological systems with multiple scales: methods and applications</td>
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<td>09:45-10:30</td>
<td>Volker Grimm (GER)</td>
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<td>Individual-based modelling: emerging theories</td>
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<td>10:30-11:00</td>
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<td>11:00-12:20</td>
<td>Contributed Talks MOV 01</td>
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<td>Minisymposium A. Focks (NED)</td>
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<td>Chair: Ulrike Schlägel (CAN)</td>
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<td>Application of ecological models for decision making and risk assessment</td>
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<td>11:00-11:20</td>
<td>Rod Blackshaw (GBR)</td>
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<td>Coralie Fritsch (FRA)</td>
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<td>Mistakes happen: chemotaxis may not always be the answer</td>
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<td>Individual-based model for the chemostat</td>
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<td>11:20-11:40</td>
<td>Alexander Bläßle (GER)</td>
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<td>Optimal foraging strategies in intermittent search patterns using a correlated composite random walk</td>
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<td>Effect of competition on the sensitivities of aquatic macroinvertebrate populations towards chemicals: exploring the parameter space by Monte Carlo simulations</td>
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<td>11:40-12:00</td>
<td>Roman Garnett (GER)</td>
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<td>Jörg Klasmeier (GER)</td>
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<td>Animal foraging via optimal search</td>
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<td>Do bacteriostatic antibiotics in soil pose an ecological risk by disturbing microbial nitrogen turnover processes?</td>
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<td>12:00-12:20</td>
<td>Richard Mann (SWE)</td>
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<td>Elke I. Zimmer (BEL)</td>
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<td>Collective motion through collective decision-making</td>
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<td>How to identify the metabolic mechanism of action (mMoA) from toxicity data? Comparing species and effects in a DEB framework</td>
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<td>Chair: Luca Giuggioli (ITA)</td>
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<td>14:00-14:50</td>
<td>Ran Nathan (ISR)</td>
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<td>A transdisciplinary movement ecology approach for studying movement of organisms in changing environments</td>
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<td>14:50-16:10</td>
<td>Minisymposium L. Giuggioli (ITA)</td>
<td>Contributed Talks EVO 02</td>
<td>Contributed Talks MAT 03</td>
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<td>New developments in movement ecology: from individuals to collectives</td>
<td>Chair: Lutz Becks (GER)</td>
<td>Chair: Ivo Siekmann (AUS)</td>
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<td>14:50-15:10</td>
<td>Carly Benefer (GBR)</td>
<td>Diana García López (GBR)</td>
<td>Matthew Adamson (GBR)</td>
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<td>Investigation of within- and between-individual variation in ground beetle walking movements</td>
<td>Why (some) policing is good: the evolution of collective group size regulation in plasmids</td>
<td>Detecting structural sensitivity in biological models: Developing a new framework</td>
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<td>15:10-15:30</td>
<td>Luca Giuggioli (ITA)</td>
<td>Mathias Gauduchon (FRA)</td>
<td>Andrew Morozov (GBR)</td>
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<td>Quantifying animal interactions: the case of co-flying echolocating bats</td>
<td>Evolution of resistance to thermal stress and phenotypic plasticity</td>
<td>Bifurcation analysis of models with uncertain function specification: how should we proceed?</td>
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<td>Edward Codling (GBR)</td>
<td>Chaitanya S. Gokhale (GER)</td>
<td>Moitri Sen (IND)</td>
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<td>Collective navigation and decision-making in animals and humans</td>
<td>Lotka and Volterra kill the Red Queen</td>
<td>Global bifurcation analysis of a ratio-dependent prey-predator model with Allee effect in prey growth</td>
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<td>Weini Huang (GER)</td>
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<td>Rachid Mchich (MAR)</td>
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<td>Emergence of stable polymorphism driven by random mutations</td>
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<td>Bioeconomic fishing models with two time scales: application to Moroccan fisheries</td>
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<td>16:30-16:50</td>
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<td>Daniel Campos Moreno (ESP)</td>
<td>Michael Sieber (GBR)</td>
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<td>The role of detection mechanisms in animal foraging</td>
<td>Dispersal networks and infection mechanism shape diversity in a coevolutionary bacteria-phage system</td>
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<td>Rouzalia Kasimova (OMA)</td>
<td>Divane Marcon (BRA)</td>
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<td>Dynamics of insects as a factor in shape-size optimization of ant hill</td>
<td>Müllerian mimicry in motion: numerical simulations of a simple model</td>
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<td>Daniel Strömbom (SWE)</td>
<td>Yanthe E. Pearson (UAE)</td>
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<td>Approaching the shepherding problem: heuristics for herding autonomous, locally interacting agents</td>
<td>Predicting the maximum per capita rate of populations growth for shore-birds - a phylogenetic comparative analysis</td>
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<td>17:30-19:15</td>
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<td>Poster Session</td>
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<td>Night-watchman tours through old Osnabrück</td>
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<td>Meeting in front of <strong>Town Hall</strong>, Markt, 49074 Osnabrück</td>
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<td>09:00-09:45</td>
<td>Michel Langlais (FRA)</td>
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<td>Spatial spread of a multi-stage parasite through a genuinely fragmented and heterogeneous predator-prey system</td>
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<td>Sergei V. Petrovskii (GBR)</td>
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<td>Multiscale spatiotemporal models of insect pest monitoring</td>
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<td>11:00-11:20</td>
<td>Minisymposium N. Petrovskaya (GBR)</td>
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<td>Development of the multi-scale mathematical approach for the pest insect monitoring in agricultural ecosystems</td>
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<td>Rod Blackshaw (GBR)</td>
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<td>Good quality information is scarce in pest monitoring systems</td>
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<td>Marat Rafikov (BRA)</td>
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<td>Dynamics of the sugarcane borer - egg parasitoid - larvae parasitoid agro-ecosystem</td>
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<td>Nina Embleton (GBR)</td>
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<td>Methods of numerical integration for accurate evaluation of pest insect abundance</td>
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<td>11:30-11:40</td>
<td>Sanja Selakovic (NED)</td>
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<td>Dynamics of infectious agents in real food webs</td>
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<td>11:40-12:00</td>
<td>Danish Ali Ahmed (GBR)</td>
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<td>Time dependent diffusion as a flux approximation to the Lévy flight process</td>
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<td>11:40-12:20</td>
<td>Nicholas Stringer (NZL)</td>
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<td>Modelling the growth of Tradescantia unis - umentis and the effects of biological control methods</td>
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<td>Daniel Bearup (GBR)</td>
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<td>Patterns of individual based movement in bounded space</td>
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<td>12:20-12:20</td>
<td>Ezio Venturino (ITA)</td>
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<td>Ecoepidemic food webs</td>
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<td>12:20-12:30</td>
<td>Ivo Siekmann (AUS)</td>
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<td>&quot;Measuring the world&quot; - maps of parameter space in population dynamics</td>
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<td>14:00-15:20</td>
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<td>Contributed Talks MOV 03 Chair: Carly Benefer (GBR)</td>
<td>Minisymposium B.W. Kooi (NED) Bifurcation theory and applications in biological systems</td>
<td>Contributed Talks TER Chair: Manuel Gámez (ESP)</td>
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<td>14:00-14:20</td>
<td>14:00-14:20</td>
<td>Ricardo Martinez-Garcia (ESP) Optimal search in an interacting population. The case of the Mongolian gazelle</td>
<td>Frank M. Hilker (GBR) Complex dynamics in an eco-epidemiological model</td>
<td>Friedrich Bohn (GER) Modelling the influence of European forests structures on the diversity production relationship</td>
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<td>14:20-14:40</td>
<td>14:20-14:40</td>
<td>Jonathan Potts (CAN) Deriving space use patterns from animal interaction mechanisms using step selection functions</td>
<td>George van Voorn (NED) Smoking eradication via tipping points in an ecoepidemiological model</td>
<td>Rico Fischer (GER) African rainforests at risk: a simulation study</td>
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<td>14:40-15:00</td>
<td>14:40-15:00</td>
<td>Andy Reynolds (GBR) An ubiquitous null Lévy flight template for animal motion under limited external cues</td>
<td>Subhendu Chakraborty (GER) How does avoidance of toxic species by zooplankton lead to a harmful algal bloom?</td>
<td>Franziska Taubert (GER) Do extensively managed grasslands benefit from a higher functional diversity?</td>
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<td>15:00-15:20</td>
<td>15:00-15:20</td>
<td>Ulrike Schlägel (CAN) Analyzing animal movement models for robustness against varying sampling frequency</td>
<td>Lia Hemerik (NED) Bifurcations and alternative stable states for high school students</td>
<td>Jaqueline Maria da Silva (BRA) A model for dynamic vegetation in Amazon floodplain areas</td>
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<td>Plenary Talk Chair: Ezio Venturino (ITA)</td>
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<td>15:30-16:15</td>
<td>Nicholas F. Britton (GBR) Set a thief to catch a thief: can we make use of parasites to control vector-borne diseases?</td>
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<td>17:30-19:00</td>
<td>Guided tours through <strong>Felix Nussbaum Haus</strong>, Lotter Straße 2, 49078 Osnabrück</td>
<td>3 groups English language, 1 group German language</td>
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<td>02</td>
<td>George Constable (GBR)</td>
<td>Fast variables in stochastic population dynamics: a method of model reduction</td>
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<td>03</td>
<td>Evgen Dykyi &amp; Liubava Radiychuk (UKR)</td>
<td>Black sea: a convenient and promising model system for testing the models of plankton dynamics</td>
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<td>04</td>
<td>Fabian Fertig (GER)</td>
<td>The influence of stage structure on population dynamics of sockeye salmon</td>
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<td>05</td>
<td>Lourdes Esteva Peralta (MEX)</td>
<td>A model to evaluate vaccination strategies in dengue</td>
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<td>06</td>
<td>Juan R. Gallego, Manuel Gámez, Tomás Cabello, Zoltán Sebestyen, Zoltán Varga &amp; József Garay (ESP, HUN)</td>
<td>Entomo-ecological simulation model applied to timing of biological pest control by parasitoid</td>
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<td>07</td>
<td>József Garay, Manuel Gámez, Zoltán Varga &amp; Tomás Cabello (ESP, HUN)</td>
<td>Liebig's law determining numerical response of an omnivore agent in biological pest control</td>
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<td>08</td>
<td>Manuel Gámez, József Garay, Zoltán Varga, Ramón Carreño &amp; Tomás Cabello (ESP, HUN)</td>
<td>Applications of multiple sigmoid functions in plant protection</td>
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<td>09</td>
<td>Ingo Geestmann &amp; Broder Breckling (GER)</td>
<td>Gene flow model to estimate cross-pollination in Maize (Zea mays) fields</td>
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<td>Wesley A.C. Godoy (BRA)</td>
<td>Trophic mediations in insect populations</td>
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<td>Ravi Pratap Gupta (IND)</td>
<td>Dynamical complexity of a simple prey-predator model in presence of nonlinear harvesting</td>
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<td>12</td>
<td>Egberanmwen Iyare &amp; Francis Osagiede (NGA)</td>
<td>A model for vector- and transfusion-transmitted malaria disease</td>
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<td>13</td>
<td>Alex James, Mike Plank, Shona Lamoureaux, Dave Kelly &amp; Graeme Bourdot (NZL)</td>
<td>Weeding out Wandering Willy</td>
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<td>14</td>
<td>Masha Jankovic &amp; Sergei V. Petrovskii (GBR)</td>
<td>Gypsy moth invasion in North America: a simulation study of the spatial pattern and the rate of spread</td>
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<td>15</td>
<td>Navjot Kaur, S.S. Bhatia &amp; Mini Ghosh (IND)</td>
<td>Modelling and analysis of the transmission dynamics of infectious diseases: effect of awareness and treatment</td>
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<td>Helen Kettle, Vivian Blok, Agata Kaczmarek &amp; Glenn Marion (GBR)</td>
<td>Effect of climate change on the population dynamics of potato cyst nematodes</td>
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<td>Nadège Octavie Lenkeu Lenkeu (SEN)</td>
<td>Exploring the Easter Island ecology: a mathematical modelling investigation</td>
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<td>Salvador Lou Vega (BRA)</td>
<td>Theoretical dispersal kernels for fleshy fruited plant species dispersed by birds</td>
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<td>Fernando Silveira Marques, Rafael I. Cipullo, Raul Ossada, José H.H. Grisi Filho &amp; Marcos Amaku (BRA)</td>
<td>Multiscale model of disease spread in cattle trade networks</td>
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<td>Ricardo Martinez-Garcia (ESP)</td>
<td>Spatial patterns in savannas: the local facilitation limit and the role of demographic stochasticity</td>
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<td>21</td>
<td>Marcos Marvà &amp; Ezio Venturino (ESP, ITA)</td>
<td>An approach to opportunistic diseases models</td>
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<td>Marcelo Alves Moreira &amp; Jaqueline Maria da Silva (BRA)</td>
<td>Influence of variation of the water level on the interaction between species of fish: Santa Clara dam</td>
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<td>Sizah Mwalusepo (TAN)</td>
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<td>Peter Mpasho Mwamtobe (MWI)</td>
<td>Impact of multi-intervention campaigns on the malaria epidemic in Malawi</td>
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<td>Optimal translocation strategies for interacting species</td>
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<td><strong>Luiz Alberto Díaz Rodrigues</strong> &amp; Diomar Cristina Mistro (BRA)</td>
<td>A coupled map lattice model for pursuit-evasion in a predator-prey system</td>
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<td><strong>Tommaso Scotti</strong> (JPN)</td>
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<td><strong>Ting-Hui Yang</strong> (TPE)</td>
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