

Modelling in the context of Global Change (MGC) [Updated October 21st]

	Hours	Session	ID	Author	Title
Monday October 28th	09h00-09h30	Opening ceremony			
	09h30-10h15	Plenary 1		Philippe Clais	Recent trends in CO2 emissions and sinks
	10h15-10h30	MGC.1	212	Eugenio Molina-Navarro	Modelling the impacts of climate change on hydrology and water quality in a mediterranean limno-reservoir
	10h30-10h45	MGC.1	37	Martin Schmid	Investigating the drivers of the recent warming of Lake Zurich
	10h45-11h00	MGC.1	177	Hitoshi Miyamoto	Impact Analysis of Climate Changes on Stream Temperatures in Ibo River Basin by a Stream Order Network Model
	11h00-11h15	MGC.1	120	Nadezhda Voropai	Simulation of the temperature regime of soils in southwestern Pribaikalie
	11h15-11h45	Coffee break			
	14h15-15h00	Plenary 2		William Mitsch	Carbon, wetlands, and climate change : a global perspective
	15h00-15h15	MGC.2	200	Bin Chen	Life cycle assessment of a typical urban domestic sewage purification biogas digester in China
	15h15-15h30	MGC.2	209	Chi Zhang	Grazing Effect Offset the Carbon Sequestration Induced by Climate Change and CO2 Fertilization Effects in a Central Asia Dryland
	15h30-15h45	MGC.2	240	Guido Incerti	SOMDY: a new model of C sequestration based on chemical quality by 13C CPMAS NMR and physical aggregation of organic matter
	15h45-16h00	MGC.2	105	Fengyi Wang	A conceptual model for a carbon sinks and water purification combined system
	16h00-16h45	Tea break			
	16h45-17h00	MGC.3	302	Julie Constantin	Will cover crops maintain their efficiency to reduce nitrate leaching under climate change scenarios in the French context?
	17h00-17h15	MGC.3	74	Egor Dyukarev	Mathematical modeling of net ecosystem exchange for grassland at urban area
	17h15-17h30	MGC.3	132	Ando Mariot Radanielson	Salinity effect on rice biomass production: seasonal and transient modeling of plant responses
	17h30-17h45	MGC.3	102	Jin Yang	Comparing the greenhouse gas performances of different crop residue utilization modes based on dynamic life cycle analysis
Tuesday October 29th	09h00-09h45	Plenary 3		Brian D. Fath	Conceptual models of ecological dynamics : indicators of regime change
	09h45-10h00	MGC.4	66	Mathieu Chevalier	Measurements of spatial population synchrony: influence of time series transformations
	10h00-10h15	MGC.4	263	Juan A. Blanco	Climate change affects Scots pine stands in the western Pyrenees differently depending on site conditions
	10h15-10h30	MGC.4	62	Eiji Komatsu	Modeling approach to evaluate the effect of long-term climate variability and change on water quality and aquatic ecosystems in Lake Biwa.
	10h30-10h45	MGC.4	272	Ehsan Davarynejad	Prediction of presence and absence of insect species from land cover and climatic data using Adaptive Neuro Fuzzy Inference System (ANFIS) and Artificial Neural Networks (ANN)
	10h45-11h15	Coffee break			
	11h15-11h30	MGC.5			
	11h30-11h45	MGC.5	306	Vishwas Chitale	Modelling the Contribution of Wildfires in the Future Distribution of Dominant Endemic Tree Species in Western Himalaya
	11h45-12h00	MGC.5	167	cosimo solidoro	Cascading impacts of climate change on coastal marine ecosystem and related goods and services
	12h00-12h15	MGC.5	314	Inna Senina	The role of environmental variability in the dynamics of the South Pacific albacore tuna and potential impact of climate change
	12h15-12h30	MGC.5	71	Julia Martinez-Fernández	Dynamic modelling of the Canarian Houbara Bustard habitat in Fuerteventura (Canary Islands)
	12h30-14h00	Lunch			
	16h30-16h45	MGC.6	221	Nikolay N. Zavalishin	Biotic turnover in tundra, forest and peatland ecosystems in permafrost regions of the Northern EuroAsia under climate change
	16h45-17h00	MGC.6	171	Marta Rodrigues	Towards the relative role of climatic and anthropogenic factors in the water quality and ecological dynamics of an estuarine environment
	17h00-17h15	MGC.6	280	Emilie Joetzer	Can we simulate the Amazonian forest response to persistent drought conditions with the ISBA-Ags land surface model?
	17h15-17h30	MGC.6			
	Wednesday October 30th	09h00-09h45	Plenary 5		Harald Sverdrup
09h45-10h00		MGC.7	36	Md. Nazrul Islam	Numerical simulation on the effects of pollutants on marine ecosystem of Pacific coast in Japan by using MEC model[1st prize for the ISEM Young Researcher Award]
10h00-10h15		MGC.7	60	Matthew Adams	A mathematical model of spatiotemporal changes in seagrass ecosystems
10h15-10h30		MGC.7	12	Zhouyuan Li	Remote Sensing Model SEBAL Applying in Alpine Cold Grassland-wetland Ecosystem, the Source Region of the Yellow River, China
10h30-10h45		MGC.7	54	Gregory Egger	An integrated dynamic simulation model, CASIMIR Vegetation application at the Schwechat River
10h45-11h30		Coffee break			
11h30-11h45		MGC.8	78	Kirill Maklakov	General ecology and human ecology: exergy and demography.
11h45-12h00		MGC.8	218	Clément Chion	A Participatory Method to Map Interlinked Climate Change Vulnerabilities and Assess Adaptation Strategies in Multiple-Resource Social-Ecological Systems [2nd prize for the ISEM Young Researcher Award]
12h00-12h15		MGC.8	83	Benoît Gaudou	An integrated modelling of interactions between ecological processes and human decision-making: The MAELIA multi-agent platform
12h15-12h30		MGC.8			
12h30-12h45		MGC.8			
12h45-14h15		Lunch			
14h15-15h00		Plenary 6		Sven E. Jørgensen	The development of a carbon cycling model for the Danish island of Samsø based on renewable energy
15h00-15h15		MGC.9	175	Anna Longueville	Ecosystem Services Supporting Decision Making in Environmental Impact Assessments
15h15-15h30		MGC.9	222	Marko Debeljak	Complementarity between socio-economic and energy evaluation of agricultural production systems: the dairy farming sector in Slovenia
15h30-15h45		MGC.9	199	Alicia Tenza Peral	Robustness of social-ecological systems to external disturbances: a system dynamic model of the oasis of Comondu (Mexico)
15h45-16h00		MGC.9	195	Erik Grönlund	Energy as an additional indicator in a model of integrated management of the human-environmental system of reindeer herding
16h00-16h45	Tea break				
16h45-17h00	MGC.10	206	Inga Carlman	Models and methods as support for sustainable decision-making	
17h00-17h15	MGC.10	223	Itai Danielski	Systems effecting systems when managing energy resources	
17h15-17h30	MGC.10				
17h30-17h45	MGC.10				
Thursday October 31st	11h30-11h45	MGC.11	19	Tadanobu Nakayama	Improvement in process-based eco-hydrology model toward evaluation of boundless biogeochemical cycles in global scale
	11h45-12h00	MGC.11	276	Susan Doka	Modelling freshwater coastal natural resources under climate variability.
	12h00-12h15	MGC.11	98	Zhouyuan Li	Structural Recovery Brings about the Hope of Functional Stability: the Land cover and Evapotranspiration Changes during 1990-2009 in the Source Region of the Yellow River, China
	12h15-12h30	MGC.11			
	12h30-12h45	MGC.11			
	12h45-14h15	Lunch			
	14h15-15h15	Plenary 8		Pierre Legendre	Spatial eigenfunction analysis : new developments
	15h15-15h45	Closing ceremony			

From individuals to ecosystems (MIE) [Updated October 21st]

	Hours	Session	ID	Author	Title	
Monday October 28th	11h45-12h00	MIE.1	112	Hugo Thierry	Linking macro and micro scales in a predator-prey individual-based model	
	12h00-12h15	MIE.1	154	Bart Haegeman	Modelling consumer-resource interactions in a metacommunity framework	
	12h15-12h30	MIE.1	289	Fani Lamprianidou	Modelling Integrated Multitrophic Aquaculture systems	
	12h30-12h45	MIE.1	26	Jinbao Liao	How species diversity and distribution shape gap patterns: a modeling study	
	12h45-14h15	Lunch				
	14h15-15h00	Plenary 2		William Mitsch	Carbon, wetlands, and climate change : a global perspective	
	15h00-15h15	MIE.2	47	Ans Mouton	Modelling the distribution of the invasive fish <i>Pseudorasbora parva</i> in lowland river systems	
	15h15-15h30	MIE.2	268	Pieter Boets	Development and application of an integrated model to assess the potential distribution of an invasive amphipod species	
	15h30-15h45	MIE.2	89	Olatz Aizpurua	Evaluating reliability of habitat suitability models with indirect measures of bird survival and reproductive performance data	
	15h45-16h00	MIE.2	273	Shinji Fukuda	How to deal with input data characteristics in data-driven aquatic species distribution modelling ? in search of an optimal cross-validation categorisation scheme	
	16h00-16h45	Tea break				
	16h45-17h00	MIE.3	198	Jurica Levatic	Exploiting taxonomic rank for habitat modelling with predictive-clustering trees	
	17h00-17h15	MIE.3	43	Virginie Girard	Statistical hydraulic habitat models for guiding river flow management in a context of rapid change of available water resources and uses - An example of minimum flow estimation in a tropical insular stream.	
	17h15-17h30	MIE.3	246	Marten Koops	Modelling zebra mussel population persistence in reservoirs	
	17h30-17h45	MIE.3	46	Chuanbo Guo	Ensemble forecasting of fish species distributions in China lakes	
	Tuesday October 29th	09h00-09h45	Plenary 3		Brian D. Fath	Conceptual models of ecological dynamics : indicators of regime change
		09h45-10h00	MIE.4	277	Andrew Guerin	An agent-based model of Atlantic salmon migration in Scottish coastal waters
		10h00-10h15	MIE.4	39	Angela Watkins	A first spatially-explicit agent-based model of jaguar population dynamics.
		10h15-10h30	MIE.4	295	Benoit Courbaud	An integrated process of individual-based model calibration and quantitative evaluation: example of the forest dynamics model Samsara2.
10h30-10h45		MIE.4				
10h45-11h15		Coffee break				
11h15-11h30		MIE.5	31	Anthony Maire	Conservation planning under multiple objectives: a comparison of quantitative approaches to identify priority areas for the conservation of stream fish assemblages	
11h30-11h45		MIE.5	142	Masahiko Sekine	Development of a comprehensive river habitat evaluation procedure using environmental diversity based on multi-species physical habitat suitability model	
11h45-12h00		MIE.5	159	Ed Shaw	Planning connectivity enhancements in river networks through modelling of habitat accessibility	
12h00-12h15		MIE.5	318	Ivan Paz-Vinas	Deciphering processes behind spatial patterns of genetic diversity: The case of dendritic river networks	
12h15-12h30		MIE.5	122	Qiuwen Chen	Multi-objective parameter optimization of the simulation model SALMO as prerequisite for scenario analysis on Meiliang Bay of the shallow eutrophic Lake Taihu	
12h30-14h00		Lunch				
14h00-14h15		Publications				
14h15-15h00		Plenary 4		Tarzan Legovic	Principles concerning maximum sustainable yield in ecosystems	
15h00-15h15		MIE.6	51	Aletta Yñiguez	Interaction of life history, stratification and nutrient loading in tropical harmful algal blooms	
15h15-15h30		MIE.6	104	Aleksandr Abakumov	Modelling of phytoplankton functioning and primary production estimation in Peter the Great Gulf based on satellite data	
15h30-15h45		MIE.6	157	Yuichi Kayaba	Development of two-dimensional simulation model on primary production in streams	
15h45-16h00		MIE.6	285	Ine Pauwels	Integrating telemetry data and expert knowledge in a spatial-temporal model for pike (<i>Esox lucius</i>) in a lowland river.	
16h00-16h30		Tea break				
16h30-16h45	MIE.7	303	Paul Miguet	Taking into account spatial heterogeneity and temporal dynamics of landscapes when modelling population dynamics in farmlands		
16h45-17h00	MIE.7	210	Jarad Mellard	Evolutionary responses to environmental change in a simple model: how do trophic interactions affect adaptation, persistence, and ecosystem functioning?		
17h00-17h15	MIE.7	294	Jérémy Rio	Temporal fluctuations of environmental conditions and intra-specific polymorphism: a model simulating the flowering phenology of gorse (<i>Ulex europaeus</i>)		
17h15-17h30	MIE.7	77	Dominique Lamonica	Dynamic modeling and mechanistic effect models to analyse ecological interactions and toxic effects within a microcosm		
Wednesday October 30th	14h15-15h00	Plenary 6		Sven E. Jørgensen	The development of a carbon cycling model for the Danish island of Samsø based on renewable energy	
	15h00-15h15	MIE.8	248	Levent Özyaydin	Natural resources of city facing a threat of urban growth	
	15h15-15h30	MIE.8	233	Bishnu Chandra Poudel	Modelling forest management in Sweden: trade-offs between carbon benefit and biodiversity conservation	
	15h30-15h45	MIE.8	225	Todd Swannack	An integrated hydrodynamic-ecological modeling approach to understand how to manage and sustain the oyster fishery in Chesapeake Bay.	
	15h45-16h00	MIE.8	150	Bing Xu	Ecological modeling of H5N1 avian influenza and its evolution in China	
	16h00-16h45	Tea break				
	16h45-17h00	MIE.9	147	Ze-Meng Fan	Changes of Biome Transition Zones in China since 1960	
	17h00-17h15	MIE.9	161	Linke Potgieter	Diversification of sugarcane habitats for the control of <i>Eldana saccharina</i> Walker	
	17h15-17h30	MIE.9	179	Christian Vincenot	Vegetation in the face of Global Change: A hybrid model to explore the contribution of plant-soil negative feedback in the emergence of spatial patterns	
	17h30-17h45	MIE.9				
Thursday October 31st	09h00-09h45	Plenary 7		Michel Loreau	Disentangling and predicting the effects of biodiversity on ecosystem stability	
	09h45-10h00	MIE.10	133	Yuji Toda	Numerical Simulation Model of River Ecosystem based on River Continuum Concept and Flood Pulse Concept	
	10h00-10h15	MIE.10	170	Vinko Bandelj	Fuzziness and heterogeneity of metacommunities in a complex transitional system: the lagoon of Venice	
	10h15-10h30	MIE.10	202	Jeff A. Tuhtan	Including Design in Ecological Energetics	
	10h30-10h45	MIE.10				
	10h45-11h30	Coffee break				
	11h30-11h45	MIE.11	291	Jimmy Le Bec	Improving individual mortality predictions using individual growth deviations from species growth in a tropical forest	
	11h45-12h00	MIE.11	41	Junbo Zhang	A mathematical model for growth of Japanese sea cucumber <i>Apostichopus japonicus</i> beyond one year	
	12h00-12h15	MIE.11	85	Méline Aubry-Kientz	Coupling growth and mortality models to detect climate drivers of tropical forest dynamics	
	12h15-12h30	MIE.11	168	Christophe Laplanche	Statistical modelling of brown trout (<i>Salmo trutta</i>) growth: new descriptors of trout populations and implications for management in Navarra, Northern Spain	
	12h30-12h45	MIE.11	9	Ebrahim Eid	Growth dynamics of <i>Potamogeton pectinatus</i> L. in Lake Burullus, Egypt: A modeling approach	
	12h45-14h15	Lunch				
	14h15-15h15	Plenary 8		Pierre Legendre	Spatial eigenfunction analysis : new developments	
15h15-15h45	Closing ceremony					

Ecosystem functioning (EF) [Updated October 21st]

	Hours	Session	ID	Author	
Monday October 28th	16h45-17h00	EF.1	282	Thomas Schaubroeck	Improved ecological network analysis for environmental sustainability assessment; a case study on a forest ecosystem
	17h00-17h15	EF.1	84	Qianqian Ma	Comparing indirect and direct effects within ecological networks: a stochastic approach <i>[2nd prize for the ISEM Young Researcher Award]</i>
	17h15-17h30	EF.1	91	Joyita Mukherjee	Robustness indicators for aquatic ecological networks - a static model approach
	17h30-17h45	EF.1			
Tuesday October 29th	09h00-09h45	Plenary 3		Brian D. Fath	Conceptual models of ecological dynamics : indicators of regime change
	09h45-10h00	EF.2	25	Caner Kazanci	Resolving the complexity of ecological networks
	10h00-10h15	EF.2	2	Gengyuan Liu	Designing a multi-species spatially-explicit nature reserve network construction framework based on extinction probability: A case study of Wuyishan nature reserve, China
	10h15-10h30	EF.2	70	Julia Martínez-Fernández	Dynamic simulation of sustainability in Biosphere Reserves
	10h30-10h45	EF.2	114	Shanthala Devi	The role of total landscape area and link importance parameters in assessing forest habitat connectivity for biodiversity conservation using Conefor Sensinode 2.6
	10h45-11h15	Coffee break			
	11h15-11h30	EF.3	40	Claire de Mazancourt	Predicting ecosystem stability from community composition and biodiversity
	11h30-11h45	EF.3	128	Shaopeng Wang	Environmental synchrony and dispersal interactively affect the stability of metacommunities
	11h45-12h00	EF.3	245	Bishnu Chandra Poudel	Forest management scenarios and their effects on ecosystem services: modelling results from Sweden
	12h00-12h15	EF.3	256	Dries Landuyt	Applying Bayesian belief networks and GIS to model the ecosystem service recreational use
	12h15-12h30	EF.3	224	Henrik Haller	Ecological engineering as a tool to improve the sustainability of soil remediation in remote locations and developing countries
	12h30-14h00	Lunch			
	14h00-14h15	Publications			
	14h15-15h00	Plenary 4		Tarzan Legovic	Principles concerning maximum sustainable yield in ecosystems
	15h00-15h15	EF.4	283	Thomas Schaubroeck	Environmental sustainability of integrated human/industrial-natural systems
	15h15-15h30	EF.4	204	Erik Grönlund	Donor values in emergy assessment of ecosystem services
	15h30-15h45	EF.4	165	Simone Libralato	Potential effects of climate and fisheries changes on the structure and functioning of the Adriatic Sea ecosystem
	15h45-16h00	EF.4	269	Ursula Scharler	Comparison of the response of structural and food web entropy-based indicators in real cases studies representing natural as well as extreme spatio-temporal variability
	16h00-16h30	Tea break			
	Wednesday October 30th	09h00-09h45	Plenary 5		Harald Sverdrup
09h45-10h00		EF.5	63	Yulia Ivanova	Analysis and modeling of temporal and spatial coherency of NPP dynamics in Sayan Mountains (South Siberia) forest stands
10h00-10h15		EF.5	20	Sudipto Goswamib	Study of the phosphorus dynamics of a shallow eutrophic impoundment - East Calcutta Wetlands, a Ramsar site in India through simulation model
10h15-10h30		EF.5	279	Diego O. Ferraro	A long-term assessment of the emergy use in an Argentinean agroecosystem
10h30-10h45		EF.5	149	Hongmei Zheng	Industrial metabolism process analysis of sulfur in Lubei (Shandong) eco-industrial park
10h45-11h30		Coffee break			
11h30-11h45		EF.6	57	Vladislav Soukhovolsky	Permanent outbreaks of forest insects: population dynamics analysis and modelling
11h45-12h00		EF.6	220	Larisa Khanina	Analysis of plants biomass and elements for simulation of ground vegetation dynamics in boreal forest
12h00-12h15		EF.6	214	Saso Dzeroski	Improving the saprobic system by data analysis: Abundance-related saprobic values for bioindicators in Slovenian rivers
12h15-12h30		EF.6	278	Jurate Zaltauskaite	Time trends in atmospheric deposition and forest canopy interaction under changing climate
12h30-12h45		EF.6	80	Philippe Balandier	RReShar: a functional-structural forest model to simulate tree regeneration according to resources
12h45-14h15	Lunch				
Thursday October 31st	09h00-09h45	Plenary 7		Michel Loreau	Disentangling and predicting the effects of biodiversity on ecosystem stability
	09h45-10h00	EF.7	127	Qing Wang	Using models and spatial analysis to discuss the irrationality of the spatial pattern of China's food production
	10h00-10h15	EF.7	21	Santanu Ray	Effect of salinity and temperature on plankton dynamics of Hooghly-Matla estuarine system, India
	10h15-10h30	EF.7	53	Emilio Politti	CASiMIR Vegetation: linking riparian vegetation and hydrodynamics
	10h30-10h45	EF.7	119	Javier Martínez-López	Spatio-temporal dynamic modeling of plant communities responses to hydrological pressures in a semiarid Mediterranean wetland
	10h45-11h30	Coffee break			
	11h30-11h45	EF.8	173	Bryan Flood	Lagrangian Coherent Structures: A Tool for the Simultaneous Evaluation of Individual and Integrated Properties of Ecological Flows
	11h45-12h00	EF.8	208	Vladimir Kuzmanovski	Modeling the water outflow in an arable ecosystem
	12h00-12h15	EF.8	186	Yoshihisa Akamatsu	River ecosystem assessment based on exergy efficiency
	12h15-12h30	EF.8	201	Fengyi Wang	Ecological Modeling of Regional Sustainability: A Case Study from Xinhai, Chongming Island, China
	12h30-12h45	EF.8	124	Lidiia Mironenko	Modelling of Basic Tendencies in Ecosystem Development by cyclical-organized System of Linear Ordinary Differential Equations
	12h45-14h15	Lunch			
	14h15-15h15	Plenary 8		Pierre Legendre	Spatial eigenfunction analysis : new developments
	15h15-15h45	Closing ceremony			

Biogeochemistry and ecotoxicology (BAE) [Updated October 21st]

	Hours	Session	ID	Author	Title
Monday October 28th	09h00-09h30	Opening ceremony			
	09h30-10h15	Plenary 1		Philippe Ciais	Recent trends in CO2 emissions and sinks
	10h15-10h30	BAE.1			
	10h30-10h45	BAE.1			
	10h45-11h00	BAE.1	243	Hiroyuki Arai	Long-term increase in diatom abundances in Lake Kasumigaura, Japan: An effect of silicon release from resuspended sediments ?
	11h00-11h15	BAE.1	81	Thuy Kim Phuong Doan	Eutrophication of turbid tropical reservoirs: Biogeochemical modeling for the case of Cointzio, Mexico
	11h15-11h45	Coffee break			
	11h45-12h00	BAE.2	75	Lulu Zhang	Applying AQUATOX foodweb model in determining the ecological risk of PAHs in Baiyangdian Lake, North China
	12h00-12h15	BAE.2	107	Anne-Sophie Auguères	Can organisms regulate global biogeochemical cycles?
	12h15-12h30	BAE.2	191	Simon Rizetto	Combined effect of atmospheric nitrogen deposition and climate change on temperate forest soil biogeochemistry: a modelling approach
	12h30-12h45	BAE.2			
	12h45-14h15	Lunch			
	14h15-15h00	Plenary 2		William Mitsch	Carbon, wetlands, and climate change : a global perspective
	15h00-15h15	BAE.3	176	Sebastian Agerberg	Modelling of E.coli transport in river waters as a means to investigate relationships between settlements within the riparian zone and faecal pollution of water bodies.
	15h15-15h30	BAE.3	172	Cyril Garneau	Modelling trace metals in a large river (The Garonne, SW France) by coupling the MOHID hydrodynamic model to the WHAM7 chemical speciation model
	15h30-15h45	BAE.3	229	Léonard Bernard-Jannin	Modelling flow and contaminant transport in a floodplain area with MOHID model and role of the hyporheic zone: the case of the Garonne River (SW France).
	15h45-16h00	BAE.3	90	Santanu Ray	Utilization of carbon in NPZ model of Hooghly estuarine system, India

New tools and technical challenges for modelling in ecology (TATC) [Updated October 21st]

	Hours	Session	ID	Author	Title	
Tuesday October 29th	11h15-11h30	TATC.1	292	Guillaume Lagarrigues	Likelihood-free inference for complex mechanistic models: calibrating the forest dynamics model Samsara2 with historical management data and prior knowledge.	
	11h30-11h45	TATC.1	115	Nerta Gjata	A food web simulation study on the effect of FADs on skipjack tuna on the Atlantic Ocean	
	11h45-12h00	TATC.1	293	Valentine Lafond	Sensitivity analysis techniques for computationally expensive models: interest and applicability of two techniques illustrated with the case of mixed and uneven-aged mountain forests	
	12h00-12h15	TATC.1	156	Tian-Xiang Yue	Surface modelling of climatic change and its impacts on Ecosystems	
	12h15-12h30	TATC.1	153	Bing Xu	Modeling the risk of highly pathogenic avian influenza H5N1 in wild birds and poultry in China	
	12h30-14h00	Lunch				
	14h00-14h15	Publications				
	14h15-15h00	Plenary 4		Tarzan Legovic	Principles concerning maximum sustainable yield in ecosystems	
	15h00-15h15	TATC.2	18	Guillaume Blanchet	A new modelling framework to model species communities with habitat characteristics and species traits using hierarchical modelling	
	15h15-15h30	TATC.2	28	David Sheeren	Effects of grain size and data period on models of avian diversity	
	15h30-15h45	TATC.2	203	Nikola Simidjievski	Learning ensemble models of population dynamics and its application to modeling aquatic ecosystems	
	15h45-16h00	TATC.3	267	Christophe Baehr	Relationship between the occurrence of SilverCarp larvae (<i>Hypophthalmichthys molitrix</i>) and hydrologic conditions in Pearl River	
	16h00-16h30	Tea break				
	16h30-16h45	TATC.3	284	Anne Pilière	Unraveling the relationships between freshwater invertebrate communities and interacting environmental factors	
	16h45-17h00	TATC.3	288	Julie Guéguen	Using Pattern Trees to define diatom ecological preferences: Case study of French rivers	
	17h00-17h15	TATC.3	88	Guy Larocque	Integrated tool development for effective use of the forest gap model ZELIG-CFS	
	17h15-17h30	TATC.3				
Wednesday October 30th	09h00-09h45	Plenary 5		Harald Sverdrup	Developing an approach for Sweden and France for setting critical loads based on biodiversity in a time when management, pollution and climate change	
	09h45-10h00	TATC.4				
	10h00-10h15	TATC.4				
	10h15-10h30	TATC.4	242	Marianna Taffi	Sensitivity analysis for discovering key players in contaminated food webs	
	10h30-10h45	TATC.4	38	Masatoshi Denda	Development and verification of river ecosystem variability prediction models	
	10h45-11h30	Coffee break				
	11h30-11h45	TATC.5	308	Alina Barbu	A joint model-data fusion approach for monitoring the water and carbon fluxes	
	11h45-12h00	TATC.5	217	Todd Swannack	Designing explanations of systems models for diverse audiences	
	12h00-12h15	TATC.5	305	Alex Port	Using simple structurally flexible models to understand estuarine macroalgae blooms	
	12h15-12h30	TATC.5	298	Saso Dzeroski	Ontological Aspects of Process-Based Models and Domain Knowledge	
	12h30-12h45	TATC.5	50	Vladislav Soukhovolsky	E2E-MODELS: using economics methods in ecological modelling	
	12h45-14h15	Lunch				

Special Sessions (SS) [Updated October 21st]

	Hours	Session	ID	Author	Title
Wednesday October 30th	14h15-15h00	Plenary 6		Sven E. Jørgensen	The development of a carbon cycling model for the Danish island of Samsø based on renewable energy
	15h00-15h15	SS.1	309	Luis Sanz	Conditions for growth and extinction in Leslie matrix models with environmental stochasticity
	15h15-15h30	SS.1	58	Efim Frisman	Modeling dynamics of a short-lived population in changing environmental conditions, for example, the bank vole population
	15h30-15h45	SS.1	48	Oksana Zhdanova	Modeling of Evolution in Structured Population
	15h45-16h00	SS.1	207	Marcos Marvá Ruiz	Approximate aggregation methods and spatially distributed structured population discrete models.
	16h00-16h45	Tea break			
	16h45-17h00	SS.1	4	Rob Salguero-Gomez	PMD: a global database for plant population dynamics
	17h00-17h15	SS.1	321	María Paula Balcázar-Vargas	BioVeL approach to matrix population models and Integral projection models
	17h15-17h30	SS.1	136	Dmitrii O. Logofet	Adaptation on the ground and beneath: does the local population maximize its lambda1?
	17h30-17h45	SS.1			
Thursday October 31st	09h00-09h45	Plenary 7		Michel Loreau	Disentangling and predicting the effects of biodiversity on ecosystem stability
	09h45-10h00	SS.2	188	Mi-Jung Bae	Behavioral uncertainty of <i>Pomacea canaliculata</i> according to the difference of acclimated temperature based on a hidden Markov model
	10h00-10h15	SS.2	10	Zongming Ren	Persistence parameter: A reliable measurement for behavioral responses of medaka (<i>Oryzias latipes</i>) to environmental stress
	10h15-10h30	SS.2	164	Tae-Soo Chon	Stochastic Modeling in Stepwise Response Behaviors of Indicator Species under Stressful Conditions
	10h30-10h45	SS.2	194	Chunlei Xia	An individual based method for behavioral observation of multiple fishes
	10h45-11h30	Coffee break			
	11h30-11h45	SS.2			
	11h45-12h00	SS.2	110	Rina Febrina	Modeling preference of fish for water sound to determine a migration path in a river
	12h00-12h15	SS.2	123	Xuehua Liu	Modeling the Dispersing-migrating Paths for Giant Pandas in the center of the Southern Slope of the Qinling Mountains, China
	12h15-12h30	SS.2	121	Weide Li	Impact of heterogeneous landscape on invasion speed and stable density of invasive species
	12h30-12h45	SS.2	259	Shinji Fukuda	Application of Random Forests for assessing the invasion risk by the non-native rosy bitterling subspecies <i>Rhodeus ocellatus ocellatus</i> in northern Kyushu, Japan
	12h45-14h15	Lunch			
	14h15-15h15	Plenary 8		Pierre Legendre	Spatial eigenfunction analysis : new developments
	15h15-15h45	Closing ceremony			