

SCIENTIFIC PROGRAMME SCHEDULE



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Graphics by Václav Bartuška

Quick meeting overview

Time	Tuesday Sept 01	Wednesday Sept 02	Thursday Sept 03	Friday Sept 04	Saturday Sept 05
9:00-10:00		Plenary (Ladislav Miko)	Plenary (Joan Martinez-Alier)	Plenary (William Shutherland)	Plenary (Petr Pyšek)
10:00-10:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:30-12:30		Morning Sessions	Morning Sessions	Morning Sessions	Morning Sessions
12:30-14:00	9:00-17:30 Training Courses	Lunch Workshop	Lunch Workshop	Lunch	Lunch Workshop
14:00-16:00		Presentation of Policy Committee	Presentation of Communication Committee	Presentation of SCB-ES	Presentation of Education Committee
16:00-16:30		Afternoon Sessions	Afternoon Sessions	Afternoon Sessions	Afternoon Sessions
16:30-18:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break
18:30-19:00		Evening Sessions	Evening Sessions	Poster Sessions	Evening Sessions
19:00-21:00 (20:00-23:00)	18:00-22:00 Welcome Cocktail Reception	Break	Break	Round Table Discussion	Break
		Round Table Discussion	Movie "The Planet"	Barbeque Party	Congress Banquet Dinner
			Workshop		

List of sessions

A. Symposia

Topic	Day	Time	Room
Biodiversity Monitoring at European Scale	Fri 04	10:30, 14:00	A IV
Climate change: a challenge for conservation	Wed 02	10:30, 14:00	AULA
Communicating scientific uncertainty across the science-policy interface	Wed 02	10:30	E I
Concepts, methods and software for conservation prioritization	Thu 03	14:00, 16:30	E I
Conservation genetics of <i>ex-situ</i> and reintroduction projects	Fri 04	10:30	E III
Disturbance of wildlife through recreation: from research to implementation	Thu 03	14:00, 16:30	E II
Economics for biodiversity conservation	Thu 03	10:30, 14:00	SIC
Ex situ plant conservation	Fri 04	10:30, 14:00	Round
Exotic species in nature reserves	Sat 05	10:30, 14:00	E III
From sit and watch to anticipate and manage – building an adaptive climate change-proof conservation strategy	Thu 03	10:30, 14:00, 16:30	AULA
NATURA 2000: success or failure?	Wed 02	10:30, 14:00, 16:30	SIC
Nature conservation on farmland: linking ecology with social sciences	Thu 03	10:30	E I
Paths to Integration: Exploring the interface between social science and conservation biology	Wed 02	10:30	A II
Practicing Adaptive Management across Europe	Wed 02	14:00, 16:30	E I
Promoting Grassland Insect Conservation and Diversity	Sat 05	10:30, 14:00, 16:30	A III
Scavengers in a modern world: from top-predators' subsidies to carrion dumps	Sat 05	10:30, 14:00	A II
Set-aside: conservation value in a changing agricultural landscape	Wed 02	14:00, 16:30	A II
TEEB symposium	Thu 03	16:30	SIC
The natural range of variability as a guide for sustainable forest management in boreal forests	Fri 04	10:30, 14:00	SIC

B. Oral presentations sessions

Topic	Day	Time	Room
Alien and invasive species	Thu 03	10:30, 14:00, 16:30	E III
Biodiversity and conservation in Non European Countries	Wed 02	10:30	E III
Biogeography	Wed 02	10:30	E II

Climate change and biodiversity	Fri 04 Sat 05	10:30, 14:00 10:30	AULA AULA
Conservation at the science-policy interface	Fri 04	10:30, 14:00	E II
Conservation genetics	Wed 02	14:00, 16:30	E III
Conservation in a socio-economic context	Fri 04	10:30, 14:00	E I
Conservation in agricultural landscapes	Wed 02 Thu 03	10:30 10:30, 14:00, 16:30	A III A III
Economics of biodiversity	Sat 05	14:00	E I
Ecosystem services	Sat 05	10:30	E I
Education and outreach	Sat 05	16:30	E I
Ex-situ conservation	Sat 05	16:30	E III
Fire ecology and management	Sat 05	10:30	SIC
Forest ecology and management	Wed 02 Sat 05	14:00, 16:30 14:00, 16:30	A III SIC
Freshwater and wetland ecology	Sat 05	14:00	A IV
Grassland ecology and management	Fri 04	10:30, 14:00	A III
Habitat fragmentation and metapopulation dynamics	Wed 02	16:30	AULA
Impact of transport infrastructures	Fri 04	14:00	A II
Inventory and monitoring	Sat 05	14:00, 16:30	E II
Landscape ecology and conservation	Thu 03	14:00, 16:30	A II
Marine conservation	Sat 05	16:30	A IV
Natura 2000	Fri 04	10:30	A II
Population ecology and conservation	Wed 02	10:30, 14:00, 16:30	A IV
Protected areas: planning, design and management	Thu 03	10:30, 14:00, 16:30	A IV
People and protected areas – special session	Sat 05	10:30	A IV
Recovery of endangered species	Sat 05	14:00, 16:30	AULA
Risk assessment and uncertainty	Fri 04	14:00	E III
Scientists and managers: bridging the gaps	Sat 05	10:30	E II
Spatial ecology and conservation	Thu 03	10:30	A II
Urban ecology and conservation	Wed 02	14:00, 16:30	E II

C. Speed presentations sessions

Topic	Day	Time	Room
Alien and invasive species	Wed 02	16:30	A I
Biodiversity and conservation in Non European Countries	Sat 05	10:30	A I
Climate change and biodiversity	Sat 05	14:00	A I
Conservation genetics	Fri 04	14:00	A I

Conservation in agricultural landscapes	Thu 03	16:30	A I
Forest ecology and management	Wed 02	10:30	A I
Freshwater and marine conservation	Sat 05	10:30	A I
Game ecology and sustainable hunting	Wed 02	16:30	A I
Grassland ecology and management	Thu 03	16:30	A I
Impact of transport infrastructures	Fri 04	10:30	A I
Landscape ecology and conservation	Wed 02	14:00	A I
Population ecology and conservation	Thu 03	10:30, 14:00	A I
Spatial ecology and conservation	Sat 05	14:00	A I
Urban ecology and conservation	Fri 04	10:30	A I

D. Workshops

Topic	Day	Time	Room
Invasive species: key priorities for science, policy and practice	Sat 05	12:45	E III
Joint European Censuses for Conservation	Thu 03	12:45	E I
Scavengers in a modern world: from top-predators' subsidies to carrion dumps	Sat 05	15:00	A II
SCB involvement in IPBES: Call for representatives in an ad-hoc committee	Wed 02	13:00	A III
The Zonation conservation prioritization framework and software – Q&A session	Thu 03	19:00	E I
Using the IUCN Red List Categories and Criteria to assess the extinction risk of species	Wed 02	10:30, 14:00, 16:30	Round hall

E. Programme for students

Topic	Day	Time	Room
How to improve your chances of getting published in a top conservation journals	Wed 02	13:00	AULA
Students lunch with professors	Thu 03	12:30	Menza

F. Discussions

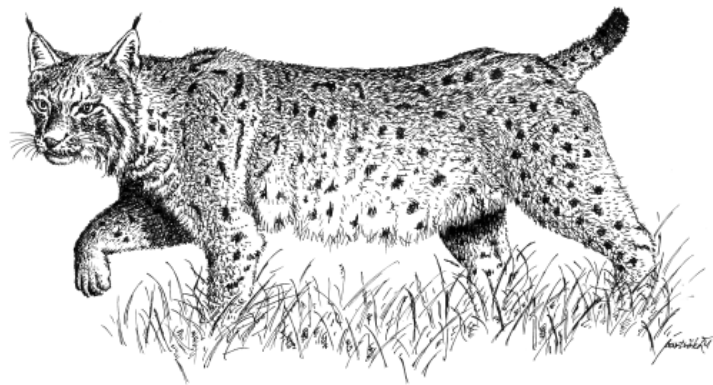
Topic	Day	Time	Room
Why and how to organise a national conservation biology meetings?	Wed 02	19:00	SIC

The Planet: movie presentation and discussion on ecological footprint	Thu 03	19:00	SIC
Roundtable discussion: Conservation policy	Fri 04	18:00	SIC

E. SCB Presentations

Topic	Day	Time	Room
Presentation of SCB-ES	Fri 04	13:00	SIC
Presentation of the Policy Committee of SCB-ES	Wed 02	13:00	SIC
Presentation of Communication Committee SCB-ES	Thu 03	13:00	SIC
Presentation of Education Committee SCB-ES	Sat 05	13:00	SIC

WEDNESDAY 2nd SEPTEMBER 2009



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WEDNESDAY, September 02											
Location	SIC	AULA	A II	A III	A IV	E I	E II	E III	A I	Round hall	
9:00 - 10:00											
Plenary: LADISLAV MIKO [SIC + AULA videoconference]											
10:00 – 10:30				COFFEE BREAK							
10:30 – 12:30	SY 1/3 NATURA 2000 Success or failure?	SY 1/2 Climate change; a challenge for conservation	SY 1/1 Interface between social science and conservation	SE 1/4 Conservation in agriculture landscapes	SE 1/3 Population ecology and conservation	SY 1/1 Communicating scientific uncertainty across the science-policy interface	SE 1/1 Biogeography	SE 1/1 Biodiversity and conservation in Non-European countries	SP 1/1 Forest ecology and management	WO 1/3 IUCN Red List Categories	
12:30 – 14:00	Presentation of the Policy Committee 13:00 – 13:45	How to publish in conservation journals 13:00 – 14:00	Spontaneous discussion slot 13:00 – 13:45	WO SCB involvement in IPBES 13:00 – 13:45	Spontaneous discussion slot 13:00 – 13:45			LUNCH TIME			
14:00 – 16:00	SY 2/3 NATURA 2000 Success or failure?	SY 2/2 Climate change; a challenge for conservation	SY 1/2 Set-aside: Conservation value in changing agricultural landscape	SE 1/4 Forest ecology and management	SE 2/3 Population ecology and conservation	SY 1/2 Practicing adaptive management across Europe	SE 1/2 Urban ecology and conservation	SE 1/2 Conservation genetics	SP 1/1 Landscape ecology and conservation	WO 2/3 IUCN Red List Categories	
16:00 – 16:30				COFFEE BREAK							
16:30 – 18:30	SY 3/3 NATURA 2000 Success or failure?	SE 1/1 Habitat fragmentation and metapopulation dynamics	SY 2/2 Set-aside: Conservation value in changing agricultural landscape	SE 2/4 Forest ecology and management	SE 3/3 Population ecology and conservation	SY 2/2 Practicing adaptive management across Europe	SE 2/2 Urban ecology and conservation	SE 2/2 Conservation genetics	SP 1/1 Alien species & Game ecology	WO 3/3 IUCN Red List Categories	
18:30 – 19:00				BREAK							
19:00 – 20:30	RTD Conservation biology meetings										

09:00-10:00 **Plenary session – Ladislav Miko**

Room: **SIC + AULA**
videoconference

Biodiversity conservation: current situation and perspectives in European and national context

10:30-12:30 **Special session - Natura 2000: success or failure? 1/3**

Room: **SIC**

Organiser: SCB - ES Policy Committee

In the European Union, nature conservation – policy, implementation and research – has been dominated by the provisions of the 1979 Birds Directive (79/409/EEG), the 1992 Habitats Directive (92/43/EEG), and the Natura 2000 network of protected sites, which is based on these directives. Natura 2000 and the requirements listed in the European conservation directives to ensure long term “favourable conservation status” of species and habitat types (e. g. coherence, monitoring) are also a testing ground for an effective interaction of conservation science and implementation (policy, stakeholders, general public).

If properly implemented and managed, the European conservation directives and the Natura 2000 network of protected sites are a milestone for nature conservation in the EU and beyond. They can function as a global model for protection of biodiversity in increasingly human dominated landscapes. However, there are aspects in their implementation that merit objective and scientific evaluation to assess how they can be subsequently improved. There are new challenges that call for strengthening the network and for additional measures to ensure their resilience and adaptation for the future, especially in the light of climate change.

The Natura 2000 Special Session will be organized by the SCB-ES Policy Committee and is intended to build on the Natura 2000 workshop held during the ECCB2006 in Eger. The symposium will cover a broad range of topics relating to the European directives, explaining basics, revealing strengths and gaps, providing best practice examples and identifying future challenges. The symposium will consist of invited contributions, supplemented by contributed papers. The organizers strive for poster sessions paralleling the key topics to be addressed in the symposium. Slots for discussion will be an integral part of the symposium proposed.

10:30 Introduction to the Session by the Policy Committee of SCB - ES

10:50 Natura 2000 in the Czech Republic: an approach leading to unplanned test of EU Nature Directives
Roth, Petr

11:30 Natura 2000 – achievements and challenges
Papoulias, Fotios

11:50 Audit of Natura 2000 implementation
Pannier, Dominique

12:10 Discussion

10:30-12:30 **Symposium - Climate change: a challenge for conservation 1/2**

Room: **AULA**

Organisers: Mar Cabeza & Heini Kujala

Climate change and its impacts on biodiversity have gained much political and scientific interest over the past decade. Global climate is rapidly changing, with consequent Shift in species distributions and extinctions. Current conservation practices may not be enough to avert biodiversity losses in the face of forecasted climate changes.

Conservation biologists will thus face a number of challenges over the next several decades, both in predicting and documenting patterns and in dealing with the effects. While protected areas are still the pillar of modern conservation efforts, new studies are showing that, because they are geographically fixed and increasingly isolated by habitat destruction, they may be poorly suited to accommodating species range shifts due to climate change. Additionally, modern tools developed to identify priority conservation areas cost-effectively, rarely accommodate these changes. Novel tools, though, are being developed so that they are coupled with modelled species distributions as responding to forecasted climate changes. Such forecasts, however, are not free of uncertainties and thus, relying fully on modelled future distributions may compromise current conservation needs. Other alternative conservation options than the very sophisticated conservation planning tools also deserve attention, and will prove valuable in different circumstances. These include, for instance, sound conservation outside protected areas (management of the matrix, buffers), connection of protected areas, conservation of genetic diversity, ex-situ conservation (gene banks, captive breeding), and assisted migration.

This symposium is meant to touch upon all these issues, bringing in a European perspective as much as possible. The speakers that have been invited represent cutting edge research and top names in the field; the talks suggested

include overviews of approaches in practice as well as implications for policy making. Thus, besides including a timely topic, that of climate change, the symposium will fit into the meeting's theme, not only giving a perspective of recent research advances but also discussion solutions in practice.

- 10:30 The Arctic's changing climate: using vertebrate population trends to monitor the health of this rapidly shifting ecosystem.
McRae, Louise
- 10:50 An Indicator of the Impact of Climatic Change on European Bird Populations
Gregory, Richard D.; Willis, Stephen G.; Jiguet, Frédéric; Voříšek, Petr; Klvaňová, Alena; van Strien, Arco; Huntley, Brian; Collingham, Yvonne C.; Couvet, Denis ; Green, Rhys E.
- 11:10 Misleading results from conventional Gap analysis – messages from the warming North
Kujala, Heini; Cabeza, Mar
- 11:30 Aligning species with protected areas: a probabilistic approach in a climate change scenario
Alagador, Diogo; Martins, Maria João; Cerdeira, Jorge Orestes; Cabeza, Mar; Araújo, Miguel B
- 11:50 Forecasting impacts of climate and land-use changes on biodiversity: can we predict and prevent the loss of rare species in protected areas?
Vicente, Joana; Randin, Christophe; Lomba, Angela; Guisan, Antoine; Honrado, João
- 12:10 Forecasted vegetation changes in European Natura 2000 areas
Hickler, Thomas; Costa, Luis; Feehan, Jane; Cramer, Wolfgang; Sykes, Martin T.

10:30-12:30 Symposium – Paths to integration: exploring the interface between social science and conservation biology 1/1

Room: **A II**

Organiser: Sandra Bell

The aim of the symposium is to reflect current thinking on the place of social science in relation to biodiversity conservation by addressing a range of questions that conservation scientists face in their every day practice. The opportunity to introduce social science into the proceedings of the Congress represents an important landmark in the growth of interdisciplinary perspectives towards conservation. We aim to set up a dialogue between social and natural scientists towards the development of integrated approaches and hope that there will be plenty of lively discussion.

- 10:30 The Kindred of Species: beyond bio-exceptionalism
Campbell, Ben
- 10:50 Reshaping rivers: policies of ecological restoration in the framework of catchment management plans
Frascaroli, Fabrizio; Pálsson, Gísli
- 11:10 Potentials and problems for linking conservation biology and “societal choices”
Kurt, Jax; Uta, Berghöfer
- 11:30 Conservation and social change: Anti-conservation as cultural resistance
Skogen, Ketil
- 11:50 Involving stakeholders in the implementation of ecological networks
Siebert, Rosemarie
- 12:10 The rare and the everyday in nature conservation
Whitehouse, Andrew

10:30-12:30 Session – Conservation in agriculture landscapes 1/4

Room: **A III**

- 10:30 Farmers' interest in nature enhance biodiversity in arable fields
Ahnström, Johan; Bengtsson, Janne; Berg, Åke; Hallgren, Lars; Boonstra, Wijnand; Björklund, Johanna

- 10:50 Conserving the diversity of wider-countryside moths: the need for agri-environment schemes targeted at a landscape-scale
Merckx, Thomas, Feber, Ruth E.; Riordan, Philip; Macdonald, David W.
- 11:10 The influence of agri-environment schemes on bat populations and nocturnal insects in Scotland
Fuentes-Montemayor, Elisa; Goulson, Dave; Park, Kirsty
- 11:30 Evidence-based agri-environment schemes benefit rare and common species
Pywell, Richard; Bradbury, Richard; Walker, Kevin; Heard, Matt
- 11:50 A landscape scale study of bumblebee population responses to habitat enhancement under an agri-environment scheme
Carvell, Claire; Pywell, Richard; Osborne, Juliet; Martin, Andrew; Bourke, Andrew; Jordan, Bill; Heard, Matthew
- 12:10 Strategies to reverse the hedgehog (*Erinaceus europaeus*) decline in Great Britain: changes in occurrence and benefits of agri-environment schemes
Hof, Anouschka; Bright, Paul

10:30-12:30 Session – Population ecology and conservation 1/3

Room: **A IV**

- 10:30 Priorities of conservation in vascular plants
Münzbergová, Zuzana; Gabrielová, Jarmila; Šmídová, Anna; Černá, Lucie
- 10:50 Diachronic variation in Mediterranean populations of orchids
Schatz, Bertrand; Geniez, Philippe
- 11:10 Modelling the three-way interaction among Acacia trees, ungulates and bruchid beetles and their consequences for plant demography
Rodríguez-Pérez, Javier; Wiegand, Kerstin
- 11:30 A conservation physiology lesson for green-tree retention: survival of epiphytic lichens requires their complex acclimatization
Jairus, Kadi; Löhmus, Asko; Löhmus, Piret
- 11:50 Coevolutionary history of a lichen symbiosis in Europe and its implication for conservation strategies
Widmer, Ivo; Dal Grande, Francesco; Mikryukov, Vladimir; Keller, Christine; Scheidegger, Christoph
- 12:10 Multi-scale conservation planning for threatened lichens on giant oaks
Paltto, Heidi; Thomasson, Ingrid; Nordén, Björn

10:30-12:30 Symposium – Communicating scientific uncertainty across the science-policy interface 1/1

Room: **E I**

Organisers: Andrew Pullin & Gavin Stewart

Scientists are used to working with uncertainty. Probability is at the core of the scientific process and underpins our ability to take an experimental approach to applied conservation problems. Arguably however, the impact of science on policy is significantly weakened because of the perceived inability of scientists to present certain solutions to problems or be confident of future scenarios. Some politicians are accused of using scientific uncertainty simply as an excuse for political inaction.

The value of conservation biology to policy formers is closely related to our ability to predict the outcomes of human activities with a reasonable degree of certainty. In turn, our ability to predict depends on the state of the science and the quality of the evidence available. Policy formers are frequently frustrated by lack of consensus on what the science says and lack of objective synthesis leaves the subject wide open to exploitation by those with extreme views or the rejection of data that doesn't fit with the prevailing dogma.

In search of certainty, policy formers may seek a simple answer. This might encourage biased reporting that covers up or ignores elements of uncertainty that more comprehensive and objective syntheses might emphasise. Thus there is a potentially damaging mismatch between scientific rigour and policy penetration of the science message. This symposium will consider scientific uncertainty from the perspectives of the policy former, the applied scientist and the statistician. Speakers will consider uncertainty from its very source in experimental design, through synthesis and analysis to communication with end-users. Discussion will focus on the way in which uncertainty

is expressed and communicated at the science-policy interface. The objective is to generate some consensus on effective mechanisms of communication.

- 10:30 Why most published research findings in ecology are false or uncertain and what should we do about it?
Stewart, Gavin; Mengersen, Kerrie
- 10:50 Meta-analysis as a tool for exploring and communicating uncertainty
Mengersen, Kerrie; Stewart, Gavin
- 11:10 Lessons learned from the northern spotted owl saga on the connection between research and management in conservation biology
Gosselin, Frédéric
- 11:30 Robust global prioritisation for biodiversity conservation in the face of uncertain impacts from climate change
Iwamura, Takuya
- 11:50 Science in the Policy Process – Ensuring Quality, Understanding and Accurate Use
Fitzgerald, John
- 12:10 Discussion

10:30-12:30 Session – Biogeography 1/1

Room: **E II**

- 10:30 Spatial mismatch between functional, taxonomic and phylogenetic diversities challenges conservation strategies
Devictor, Vincent; Mouillot, David; Meynard, Christine; Jiguet, Frédéric; Thuiller, Wilfried; Mouquet, Nicolas
- 10:50 Plant migrations between European mountain ranges as inferred from phylogeography of *Arabidopsis halleri*: biogeography and conservation
Wąsowicz, Paweł; Kostecka, Alicja; Pauwels, Maxime; Rostański, Adam; Saumitou-Laprade, Pierre
- 11:10 The last Alpine Snowbells (*Soldanella alpina*, *Primulaceae*) ringing on the Puy de Sancy (Massif Central, France)
Kropf, Matthias; Comes, Hans-Peter; Kadereit, Joachim W.
- 11:30 Resource-based classification of habitats of Central European macro-moths
Pavlikova, Anezka; Konvicka, Martin; Benes, Jiri; Kepka, Pavel
- 11:50 The Mediterranean fruit bat: biogeography, history and conservation status
Horacek, Ivan; Lucan, Radek; Hulva, Pavel; Bartonicka, Tomas; Jahelkova, Helena; Benda, Petr
- 12:10 Current distribution and conservation of *Myotis myotis* (Bokhausen, 1797) and *Myotis blythii* (Tomes, 1857) in Turkey (Mammalia: *Vespertilionidae*)
Aşan, Nursel; Albayrak, İrfan; Yorulmaz, Tarkan

10:30-12:30 Session – Biodiversity and conservation in Non-European countries 1/1

Room: **E III**

- 10:30 Conservation principles for South East Asian tropical production forests
Gustafsson, Lena; Laumonier, Yves; Nasi, Robert
- 10:50 Biological Diversity Plan Action for Copper-cobalt Flora in the Tenke Fungurume Mining area (Katanga, DRC)
Lebrun, Julie; Mahy, Grégory; Malaisse, François; Semereab, Ezana; Rensonnet, Audrey
- 11:10 Lichens from the Aladagh Mountain, Iran
H. Moniri Anbaran, Mahroo; J. M. Sipman, Harrie

- 11:30 Genetic differentiation of Thorn-tailed Rayadito (*Aphrastura spinicauda*, Aves: *Furnariidae*) as revealed by ISSR profiles
Gonzalez, Javier; Wink, Michael
- 11:50 Distribution, Status Survey and Conservation Outlook of the Drill Monkey in Cameroon: Lessons Learned for the Study of Elusive Mammals
Astaras, Christos; Morgan, Bethan J.
- 12:10 Factors responsible to wipe out Bengal Tigers - *Panthera tigris* forever from Bangladesh
Chowdhury, Mohammad Mohsinuzzaman

10:30-12:30 Speed presentations session – Forest ecology and management 1/1 Room: A I

- 10:30 Recruitment of an Afromontane forest tree in a threatened fragmented ecosystem
Lehouck, Valérie; Spanhove, Toon; Cordeiro, Norbert; Lens, Luc
- 10:40 Woodland key habitats (WHKs) in the Fennoscandian and Baltic countries
Timonen, Jonna; Kotiaho, Janne; Mönkkönen, Mikko
- 10:50 Optimal combination of ages of forest set-asides for the preservation of biodiversity in boreal forests in Sweden
Lundström, Johanna
- 11:00 Habitat associations of *Agathidium pulchellum*, an endangered old-growth forest beetle species living on slime moulds
Laaksonen, Mervi; Murdoch, Kaisa; Siitonen, Juha; Várkonyi, Gergely
- 11:10 Boxes mimicking tree hollows can help conservation of saproxylic beetles
Jansson, Nicklas; Ranius, Thomas; Larsson, Anna; Milberg, Per
- 11:20 Discussion
- 11:30 Bird density and species richness in native and plantation woodlands in Ireland: what differences exist and why?
Sweeney, Oisín; Wilson, Mark; Kelly, Thomas; Irwin, Sandra; O'Halloran, John
- 11:40 Research on Cavity-nesting Birds and Conservation of Cavity Trees in the State Forests of the Vysočina Region of the Czech Republic
Kodet, Vojtech; Morawetz, Jiri
- 11:50 Energy drives the species richness of boreal forest birds in protected areas
Honkanen, Merja; Roberge, Jean-Michel; Rajasärkkä, Ari; Mönkkönen, Mikko
- 12:00 The impact of the decline of an iconic West Australian eucalyptus tree species, the tuart, on birds
Wentzel, Jacobus J.; Hardy, Giles E. St. J.; Barber, Paul; Craig, Michael; Fleming, Patricia A.
- 12:10 Should we be afraid of beaver's (*Castor fiber*) food behaviour?
Válková, Lenka; Vorel, Aleš; Hamšíková, Lenka; Korbelová, Jana; Maloň, Jaroslav
- 12:20 Discussion

10:30-12:30 Training workshop – Using the IUCN Red list categories and criteria to assess the extinction risk of species 1/3 Room: Round hall

Organiser: Caroline Pollock

Goal: To improve understanding of the IUCN Red List Categories and Criteria and how to apply these criteria to produce good-quality Red List assessments suitable for inclusion in Red Lists at regional (e.g., at Europe, national) or global (i.e., the IUCN Red List) levels.

13:00-13:45 Presentation of the Policy Committee of SCB-ES Room: **SIC**

Organisers: Policy Committee of SCB-ES

The aim of this informal meeting is to present the aims and the actual work done in the PC of SCB-ES.

13:00-14:00 Programme for students – How to improve your chances of getting published in top conservation journals Room: **AULA**

Organiser: Andrew Pullin

The aim of this workshop is to provide potential authors with information on how the journals operate, and to help increase success rates.

13:00-14:00 Workshop – SCB involvement in IPBES: Call for representatives in an ad-hoc committee Room: **All**

Organiser: Bengt Gunnar Jonsson

Given the ongoing human caused mega-extinction event and the growing understanding on the role of ecosystem resilience in maintaining ecosystem services especially given the climate change, the crucial role of biodiversity has become a political concern. However, at the same time it is obvious that the established systems to inform and influence the policy and political processes often fail to provide the needed knowledge and scientific evidence. The main problem seems to be that the policy-political process tends to dilute strong messages that are perceived as less desirable from a political perspective and that scientist fail in providing information in a format that is policy relevant. This has been very evident within CBDs “Subsidiary body of scientific, technical and technological advice” (SBSTTA; See Laikre et al 2008).

As one of the largest scientific organizations in the environmental area *SCB should offer its expertise and commitment to the establishment of the IPBES*. In this respect it is necessary to clearly stress the global coverage of the Society, including the large and active sections working outside North-America. This implies that SCB could be viewed as a truly global community of scientist devoted to the protection of biodiversity and hence receive the scientific credibility requested from the political side of the CBD and other international processes.

This is the background for the decision taken by the BoG to ask the European section to take the lead on this and form an ad-hoc committee to follow and provide input to the process of initiating a new science-policy interface focusing biodiversity and ecosystem services. I have been appointed by the BoD of the European section to chair this committee and herewith ask for representatives from the other sections.

13:00-13:45 Spontaneous discussion slot Room: **A II****13:00-13:45 Spontaneous discussion slot** Room: **A IV****14:00-16:00 Special session - Natura 2000: success or failure? 2/3** Room: **SIC**

14:00 National reporting – the status of the Natura 2000 network in Germany and current activities

Axel, Ssymank; Sandra, Balzer

14:20 Deficiencies of Natura 2000 implementation in the Federal State of Baden- Wuerttemberg (Germany)

Dieterich, Martin; (**Kleemann, Janina**)

14:40 Implementation of European Natura 2000 conservation policy: The case of Greece

Apostolopoulou, Evangelia; Pantis, John, D.

15:00 Using of scientific data for designation and protection of Natura 2000 – Bulgarian case

Mateeva, Irina

15:20 Natura 2000 in the Carpathians – lessons to be learnt ...

Mróz, Wojciech

15:40 Discussion

14:00-16:00 Symposium - Climate change: a challenge for conservation 2/2 Room: **AULA**

- 14:00 Adapting landscapes to climate change: priority adaptation zones in ecological networks
Vos, Claire; Baveco, Hans; Schippers, Peter; Verboom, Jana
- 14:20 A practical method for conservation planning accounting for uncertain climate change
Cabeza, Mar; Kujala, Heini; Araújo, Miguel; Moilanen, Atte
- 14:40 Gene-banks and climate change, perspectives from the Frozen Ark Project
Clarke, Ann
- 15:00 Do policy makers follow climate change adaptations recommended by scientists?
Plesnik, Jan
- 15:20 Using mitigation and adaptation actions to promote biodiversity conservation.
Berry, Pam; Paterson, James
- 15:40 Discussion

14:00-16:00 Symposium - Set-aside: conservation value in a changing agricultural landscape 1/2 Room: **A II**

Organisers: András Báldi, Anikó Kovács & Tony Morris

The aim of the symposium is to give a general picture on set asides (fallow land) in Europe. Originally, fallow was a part of the rotational agriculture for centuries, allowing land to 'rest' between periods of cropping. As the human population, demand for food and understanding of rotations and fertiliser use increased, the area and duration of land set aside declined. However, during a period of overproduction in the late C20th, the European Union, through its Common Agricultural Policy (CAP), introduced set-aside as a policy tool to decrease production. Initially, this was instigated as a voluntary supply-control measure in 1988 but in 1992 it was made a condition of receiving the new Arable Area Payments. In each year during 1992-2007, a variable percentage (5-15%) of the eligible arable area was put over to set-aside. Although CAP set-aside was not designed as a means of delivering biodiversity benefits, it soon became apparent that it yielded at least some limited value under certain management conditions. Recently, fallow land taken out of agricultural production with the specific aim of delivering conservation benefits has been introduced into agri-environment schemes (AESs) in many European countries. The rationale for inclusion of fallow in AESs is that fields removed from intensive agriculture will improve farmland biodiversity, and will contribute to soil and water protection. For the purposes of this symposium, we define set-aside (and other fallows) as being different from abandonment, in the sense that in set-aside farmers are paid to temporarily halt production in intensive fields (often with a requirement that it is kept in good agricultural condition), while abandonment is the cessation of management of low productivity areas, e.g. lack of grazing in grasslands due to loss of extensive (and loss making) grazing regimes.

- 14:00 Mixed biodiversity effects of set-aside in changing landscapes
Tscharntke, Teja
- 14:40 Potentials of set-asides in providing of farmland birds and plants in Hungary
Kovács, Anikó; Báldi, András
- 15:00 Zero rate of set-aside: evaluating the potential impact on farmland birds in England
Morris, Tony; Henderson, Ian; Gillings, Simon; Vickery, Juliet
- 15:20 Development of plant communities on set-aside in England
Boatman, Nigel; Jones, Naomi; Conyers, Simon; Pietravalle, Stéphane
- 15:40 Significance of rotational fallows and long-term set-asides for butterflies and bumblebees
Kuussaari, Mikko; Alanen, Eeva-Liisa; Hyvönen, Terho

14:00-16:00 Session – Forest ecology and management 1/4 Room: **A III**

- 14:00 Co-variation of bryophytes, lichens, and saproxylic beetles and related habitat variables in spruce forest stands in boreal Sweden
Djupström, Line; Weslien, Jan; Schroeder, Martin; Perhans, Karin; Wikberg, Sofie; Gustafsson, Lena

- 14:20 Reconstruction of the historical development of the spruce mountain forest
Svoboda, Miroslav; Wild, Jan
- 14:40 Biodiversity of boreal pine forests
Junninen, Kaisa
- 15:00 Results of six-year study on hurricane-caused disturbance of pine forest ecosystem and its spontaneous regeneration in Pisz Forest; Poland
Sklodowski, Jaroslaw; Garbalinska, Paulina; Tracz, Henryk; Slawska, Malgorzata; Slawski, Marek; Rutkiewicz, Artur
- 15:20 Stand-level guidelines for sustainable forestry in hemiboreal Europe as derived from the structure of Estonian old-growth forests
Kraut, Ann; Löhmus, Asko
- 15:40 Cost-efficient management of boreal forests from biodiversity perspective
Mönkkönen, Mikko; Reunanen, Pasi; Kotiaho, Janne S.; Kouki, Jari; Tikkanen, Olli-Pekka

14:00-16:00 Session – Population ecology and conservation 2/3

Room: **AIV**

- 14:00 How are species and site groups associated? Improving indicator species analyse
Moretti, Marco; De Cáceres, Miquel; Legendre, Pierre
- 14:20 Declines in common, widespread butterflies in a landscape under intense human use
Maes, Dirk; Van Dyck, Hans; van Strien, Arco J.; van Swaay, Chris A.M.
- 14:40 Inter- and intraspecific determinants of abundance in UK butterflies
Girardello, Marco; Roy, David; Dennis, Roger; Isaac, Nick
- 15:00 Delayed egg maturation as an additional demographic load in a threatened butterfly, *Chazara briseis*
Kadlec, Tomas; **Vrba, Pavel**; Kepka, Pavel; Schmitt, Thomas; Konvička, Martin
- 15:20 Population ecology and conservation of a specialist raptor species, the pallid harrier *Circus macrourus*
Terraube, Julien; Arroyo, Beatriz; Mougeot, François; Madders, Mike; Bragin, Evgeny
- 15:40 Hunting, reinforcement and projected viability of the North African houbara bustard
Hingrat, Yves; Robert, Alexandre; Lacroix, Frédéric

14:00-16:00 Symposium – Practicing adaptive management across Europe 1/2

Room: **E I**

Organisers: Ilke Tilders, Gernant Magnin & Neil McIntosh

The European Partnership on Adaptive Management (EPAM) is initiated by Eurosite and FOS.

Eurosite is a network of site management organisations devoted to nature conservation management across Europe. 26 countries are represented by more than 100 member organisations. The goal of Eurosite is to enhance European nature conservation, through both the management of land and water and through the dissemination of practical information.

Foundations of Success (FOS) is a not-for-profit organisation committed to working with practitioners to improve the practice of conservation better through the process of adaptive management. FOS helps organisations around the globe to develop adaptive management systems. FOS also facilitates cross-project and cross-site learning, builds capacity, and conducts monitoring and evaluation.

EPAM's Vision: By 2015, the European Open Standards will be widely recognised and practiced as the best available methodology for the management of N2000 sites and other sites of biological importance, throughout Europe and in the EU in particular.

The symposium will be organized by EPAM, with active participation of its members. The individuals who will be responsible for organizing this symposium on behalf of EPAM are named above.

- 14:00 A European Open Standard for the Practice of Adaptive Site Management
Tilders, Ilke
- 14:20 Theory and Practice of Adaptive management in the context of N2000
Teofili, Corrado

- 14:40 Adaptive Management: A Common Language to Improve the Practice of Conservation
Salafsky, Nick
- 15:00 Adaptation to climate change: a systematic analysis of options for action for nature conservation
Ibisch, Pierre L.; Kreft, Stefan
- 15:20 Stakeholder involvement in practicing adaptive management in the Kosterhavet National park (MPA) in Sweden
Tullrot, Anita; Nilsson, Per
- 15:40 Building the required Capacity to practice Adaptive Site Management
McIntosh, Neil; **(Vareltzidou, Stella)**

14:00-16:00 Session – Urban ecology and conservation 1/2

Room: **E II**

- 14:00 A multiple-analysis approach for highlighting conservation opportunities in an urban landscape
Scott, Anna V.; Armitage, Richard P.; James, Philip
- 14:20 Avian Population Dynamics and Human Induced Change in an Urban Environment
James, Philip; Norman, David; Clarke, Jeff
- 14:40 Bugs, birds and roundabouts - urban green spaces as conservation habitats
Leather, Simon
- 15:00 Importance of proportion woodland at city and landscape scales for birds in local urban woodlands
Hedblom, Marcus; Söderström, Bo
- 15:20 How to manage urban green to promote bird species richness and diversity
Fontana, Simone; Sattler, Thomas; Bontadina, Fabio; Moretti, Marco
- 15:40 Rare bird species in natural and man-made ecosystems in St. Petersburg: limiting factors and conservation measures under conditions of the megalopolis
Iovchenko, Natalia

14:00-16:00 Session – Conservation genetics 1/2

Room: **E III**

- 14:00 Inbreeding, outbreeding and the evolution of plant defence strategies in fragmented plant populations
Leimu, Roosa
- 14:20 Diversity and conservation value of native *Vitis sylvestris* GMEL. stands from Hungary, evaluated by morphological traits and molecular markers
Bodor, Péter; Bisztray, György Dénes; Deák, Tamás; Dűcső, Imola; Pedryc, Andrzej; Höhn, Mária
- 14:40 Effects of clonal growth on the genetic structure and fitness of the endangered *Pseudomisopates rivas-martinezii*
Amat, Maria Elena
- 15:00 Genetic consequences of animal translocations: A case study using the field cricket, *Gryllus campestris* L.
Axel, Hochkirch; Kathrin, Witzemberger
- 15:20 Genetic structure of the coastal Giant salamander (*Dicamptodon tenebrosus*) in Canada: Patterns within a deforested landscape
Dudaniec, Rachael; Richardson, John
- 15:40 Discussion

14:00-16:00 Speed presentations session – Landscape ecology and conservation 1/1Room: **A I**

- 14:00 Impact of habitat fragmentation on structure of forest plant communities
Turcati, Laure; Moret, Jacques; Porcher, Emmanuelle
- 14:10 An ecologic island: biotic and edaphic factors limiting the distribution of a rare *Plantago* species
Serrano, Helena Cristina; Antunes, Cristina; Branquinho, Cristina; Pinto, Manuel João; Martins-Loução, Maria Amélia
- 14:20 Modelling metapopulation dynamics of lichens associated with ancient oaks
Johansson, Victor; Ranius, Thomas; Snäll, Tord
- 14:30 Avian dispersal in a mountain environment: Landscape genetics in Capercaillie
Urs, Kormann; Kurt, Bollmann; Gugerli, Felix; Excoffier, Laurent
- 14:40 Bat communities in different habitats within a fragmented landscape
Matos, Milena; Pinto, Nuno; Fonseca, Carlos
- 14:50 Disussion
- 15:00 Food web complexity and biocontrol in low versus high diversity landscapes
Gagic, Vesna; Hänke, Sebastian; Tomanovic, Zeljko; Tschardtke, Teja; Thies, Carsten
- 15:10 Relationships between soil, vegetation and animal communities on brown-coal mining heaps in North Bohemia, Czech Republic
Hendrychová, Markéta; Řehoř, Michal; Šálek, Miroslav
- 15:20 Hedgerow-defined medieval field patterns, their disappearance, conservation and significance in the planning of sustainable agricultural landscapes
Molnarova, Kristina; Sklenicka, Petr; Brabec, Elizabeth; Kumble, Peter; Pittnerova, Blanka; Pixova, Katerina; Salek, Miroslav
- 15:30 Quantitative evaluation of landscape visual qualities
Motáňová, Zuzana
- 15:40 Public perception of Marine Conservation based on semantics
Jovanovic, Jelena; Mackelworth, Peter
- 15:50 Discussion

14:00-16:00 Training workshop – Using the IUCN Red list categories and criteria to assess the extinction risk of species 2/3Room: **Round hall****16:30-18:30 Special session - Natura 2000: success or failure? 3/3**Room: **SIC**

- 16:30 Natura 2000 in 2010 and beyond – the view of the European Habitats Forum
Waliczky, Zoltan
- 16:50 European Union's directives do not allow for conservation of primeval forests
Wesołowski, Tomasz
- 17:10 Climate Change: Rethinking Restoration under the Natura 2000-regime
Verschuuren, Jonatahn; Erens, Saja
- 17:30 Roadless areas as conservation targets in Europe
Policy Committee SCB-ES (**Nuria Selva**, Stefan Kreft, Vassiliki Kati, Martin Schluck, Bengt-Gunnar Jonsson, Barbara Mihok, Henryk Okarma and Pierre Ibisch)
- 17:50 The Rospuda case – the theory and practice of implementing Natura 2000 in Poland
Chylarecki, Przemek; Wiśniewska, Marta; Górská, Małgorzata; Cyglicky, Robert
- 18:10 Discussion

16:30-18:30 Session – Habitat fragmentation and metapopulation dynamics 1/1 Room: **E III**

- 16:30 Conservation meets Bellman's Curse: A new approach to solving highly complex metapopulation management problems
Nicol, Sam; Chades, Iadine; Possingham, Hugh; Linke, Simon
- 16:50 Time to landscape scale extinction of an epiphyte metapopulation
Snäll, Tord
- 17:10 Metapopulation dynamics of epiphytic species in a boreal forest landscape
Fedrowitz, Katja; Kuusinen, Mikko; Snäll, Tord
- 17:30 Independent effects of habitat loss and habitat fragmentation on three species of arboreal mammals: implications for conservation strategies
Mortelliti, Alessio; Amori, Giovanni; Capizzi, Dario; Cervone, Cristina; Pollini, Barbara; Boitani, Luigi
- 17:50 Herp-Robinsons: amphibians, reptiles, metropolitan areas and island ecology
Ribeiro, Raquel; Carretero, Miguel Angel; Sillero, Neftalí; Llorente, Gustavo A.
- 18:10 Landscape perception by forest understory birds in the Brazilian atlantic rainforest
Hansbauer, Miriam; Storch, Ilse; Knauer, Felix; Pilz, Stefan; Küchenhoff, Helmut; Végvári, Zsolt; Pimentel, Rafael; Metzger, Jean Paul

16:30-18:30 Symposium - Set-aside: conservation value in a changing agricultural landscape 2/2 Room: **A II**

- 16:30 The end of EU set-aside, when political expedience trumps conservation science
Tucker, Graham; Brunner, Ariel; Boccaccio, Luigi
- 17:10 On a bumpy road to environmental set-aside: experience from Finland
Herzon, Irina; Kuussaari; Mikko, Helenius; Juha
- 17:30 Effects of countryside policy measures on set-asides in Germany
Luick, Rainer
- 17:50 Emerged conflicts over introducing set-aside into Hungary
Báldi, András; Tóth, László; Kovács, Anikó
- 18:10 Discussion

16:30-18:30 Session – Forest ecology and management 2/4 Room: **A III**

- 16:30 The effect of stand structure on different organism groups in mixed deciduous-coniferous forests in Hungary
Ódor, Péter; Márialigeti, Sára; Mag, Zsuzsa; Lengyel-Király, Ildikó; Tinya, Flóra
- 16:50 Diverging long-term and short-term responses of land snails to clear-cutting of boreal stream-side forests
Ström, Lotta; **Hylander, Kristoffer**; Dynesius, Mats
- 17:10 Realising bird biodiversity benefits in a plantation forest; reconciling conflicts of interest
Henderson, Ian; Conway, Greg; Fuller, Rob; Hewson, Chris
- 17:30 Birds at the interface of commercial forestry plantations and open habitats: Can restructuring benefit biodiversity?
Calladine, John; Garner, Graeme; Douglas, David; Bielinski, Andrew; Shaw, Geoff
- 17:50 Problems, possible solutions and strategy of biodiversity conservation in conditions of intensive forestry – examples from Latvia
Priednieks, Janis; Strazds, Maris; Vilks, Kristaps; Kerus, Viesturs; Kuze, Janis; Aunins, Ainars
- 18:10 Harvest of bioenergy wood and effects on wood living insects
Jonsell, Mats

16:30-18:30 Session – Population ecology and conservation 3/3Room: **AIV**

- 16:30 Wildlife conservation of transboundary mountain areas in northwestern Greece
Georgiadis, Lazaros; Bousbouras, Dimitris; Giannatos, Giorgos; Krambokoukis, Lambros; Trivourea, Maria; Korakis, Giorgos; Pilidis, Harilaos; Karamanlidis, Alexandros A.
- 16:50 Beaver's (*Castor fiber*) demographic expansion in the central Europe: synthesis of causalities
Vorel, Aleš; Hamšíková, Lenka; Korbelová, Jana; Válková, Lenka; Maloň, Jaroslav
- 17:10 Demography, life history and stress load of European ground squirrels (*Spermophilus citellus*) varies with habitat alteration
Hoffmann, Ilse Eva; Turrini, Tabea; Brenner, Michaela; Millesi, Eva
- 17:30 Estimating the Characteristics of Eurasian Otter (*Lutra lutra*) Population with Different Non-invasive Methods: the Comparison of Results
Hönigsfeld Adamič, Marjana; Smole, Jakob; Gregorc, Tatjana; Jontez, Hana; Sušnik, Simona; Dovč, Peter
- 17:50 Non-invasive scat sampling as a population estimation tool - field methods and sample size considerations for wild boar (*Sus scrofa*)
Ebert, Cornelia; Huckschlag, Ditmar; Kolodziej, Karolina; Schulz, Holger; Hohmann, Ulf
- 18:10 Estimating red deer population in Lousã Mountain using distance sampling technique
Alves, Joana; Alves da Silva, António; M. V. M. Soares, Amadeu; Fonseca, Carlos

16:30-18:30 Symposium – Practicing adaptive management across Europe 2/2Room: **E I**

- 16:30 Embedding Adaptive Management principles in site management organisations
Määttä, Matti
- 16:50 Adaptive management applied to an integrated conservation and development project in Morocco
Ernoul, Lisa
- 17:10 Adaptive Management in the Axios Delta in Greece
Vareltzidou, Stella
- 17:30 The history of moose conservation in Sweden during 800 years– adaptive management or not?
Danell, Kjell; Bergström, Roger
- 17:50 Discussion

16:30-18:30 Session – Urban ecology and conservation 2/2Room: **E II**

- 16:30 Comprehensive conservation in urban environments: An Ecological Framework for Greater Manchester, UK
Kazmierczak, Aleksandra; James, Philip; Richardson, Derek
- 16:50 Management of urban Natura 2000 sites in Estonia
Uustal, Meelis; Peterson, Kaja; Kuldna, Piret
- 17:10 It Isn't Easy Being Green: Invertebrates, Plants and Pollution in Urban Green Spaces
Jones, Elizabeth; Leather, Simon; Power, Sally
- 17:30 Does urbanisation homogenise carabid assemblages?
Lövei, Gabor; Magura, Tibor; Tóthmérész, Bela
- 17:50 Limited impact of invasive species on urban plant diversity
Muratet, Audrey; Porcher, Emmanuelle; Machon, Nathalie
- 18:10 Discussion

16:30-18:30 Session – Conservation genetics 2/2Room: **E III**

- 16:30 Genetic structure and diversity in the western populations of the globally threatened Eastern Imperial Eagle (*Aquila heliaca*)
Szabó, Krisztián; Kovács, Szilvia; Vili, Nóra; Kalmár, Lajos; Horváth, Márton
- 16:50 Genetic consequences of population fragmentation in the habitat-sensitive endangered Dupont's lark (*Chersophilus duponti*).
Méndez, María; Godoy, José Antonio; Tella, José Luis
- 17:10 Conservation of the Iberian Reed Bunting *Emberiza schoeniclus* witherbyi: genetic diversity and habitat use
Belda, Eduardo Jorge; Kvist, Laura; Poninkas, Suvi; Encabo, Ignacio; Marin, Marcial; Rodriguez, Alejandro; Vera, Pablo; Monros, Juan Salvador
- 17:30 What's happened with the European bison (*Bison bonasus*) population after bottleneck? The genetic structure of sex linked loci.
Nowak, Zuzanna; Olech, Wanda
- 17:50 Genetic diversity of brown bears (*Ursus arctos*) in Slovenia
Jelencic, Maja; Skbinsek, Tomaz; Waits, Lisette; Trontelj, Peter; Kos, Ivan
- 18:10 Population size and sex ratio of brown bears in Slovenia estimated using noninvasive genetic sampling and implications for conservation and management
Skrbinek, Tomaz; Jelencic, Maja; Potocnik, Hubert; Waits, Lisette; Trontelj, Peter; Kos, Ivan

16:30-18:30 Speed presentations session – Alien and invasive species & Game ecology and sustainable hunting 1/1Room: **A I**

- 16:30 Evidence of Enemy Release in the success of *Reynoutria japonica* in its introduced range
Maurel, Noëlie; Fujiyoshi, Masaaki; Muratet, Audrey; Porcher, Emmanuelle; Motard, Eric; Gargominy, Olivier; Machon, Nathalie
- 16:40 Measuring invasive speed of alien plant species using data from a general mapping program in the north of Belgium
Wouter, Van Landuyt
- 16:50 *Acanthophora spicifera*, an invasive marine macroalgae in the Gulf of California, Mexico. Geographical distribution and state's invasion
Hernandez-Kantun, Jazmin; Riosmena-Rodriguez, Rafael; Lopez-Vivas, Juan-Manuel; O'Doherty, Dan; Sherwood, Alison; Rioja-Nieto, Rodolfo
- 17:00 Socio-economic impacts of the invasive species *Dreissena polymorpha* (zebra mussel) in the Ebro River
Dittmer, Kristofer; Rodríguez-Labajos, Beatriz
- 17:10 Visitor or invader? Recent occurrences of striped dolphins (*Stenella coeruleoalba*) in the Croatian part of the Adriatic sea
Rako, Nikolina; Holcer, Draško; Mackelworth, Peter; Fortuna, Caterina Maria
- 17:20 Discussion
- 17:30 Hunting pattern north of the Bardia National Park: conservation challenges in non-protected areas
Paudel, Prakash
- 17:40 Interaction between predation risk, disease and condition in the wild rabbit
Ferreira, Catarina; Castro, Francisca; Célio Alves, Paulo; Redpath, Steve; Villafuerte, Rafael
- 17:50 Rabbit damage to vineyards in Southern Spain
Barrio, Isabel C.; Bueno, C. Guillermo; Tortosa, Francisco S.
- 18:00 Using human-imprinted pheasant (*Phasianus colchicus*) chicks to assess foraging suitability of farmland habitat
Hitchcock, Gwendolen; Leather, Simon; Sage, Rufus

18:10 The influence of sex mature of wild boar (*Sus scrofa*) to reproduction in the CR
Ježek, Miloš; Štípek, Kamil; Červený, Jaroslav

18:20 Discussion

16:30-18:30 Training workshop – Using the IUCN Red list categories and criteria to assess the extinction risk of species 3/3 Room: **Round hall**

19:00-20:00 Roundtable discussion – Why and how to organise a national conservation biology meeting? Room: **SIC**

Organiser: András Báldi

The aim of the RTD is to encourage European conservation biologists to organise national level meetings, thus enhance conservation biology network in Europe, SCB-Europe and SCB. It is extremely important since many of the actors of conservation do not participate at international meetings, due to limitations in resources and English knowledge. Many of these actors are key players as area managers, national park staff, or educators. National conservation biology meetings, however, will attract them, and will facilitate communication transfer among them, and also between national and international conservation.

First, an introduction will highlight the role of meetings in SCB's life and strategy, the success and long history of global meetings, and the more recent need for regional meetings.

The core of the RTD is the presentation of an example, namely the Hungarian conservation biology congresses (2002, 2005). These had 300-400 participants from academia, national parks, students, zoos, NGOs, ministry, and are complemented by more specific symposia between the congresses (2004, 2007). Both the scientific part (e.g. program structure, theme selection, plenary speaker choice), and more technical details (e.g. necessary budget, structure of organising committee, schedule of organisation) will be presented.

19:00 The role of global, regional and national meetings for SCB – an introduction to the RTD
Pullin, Andrew

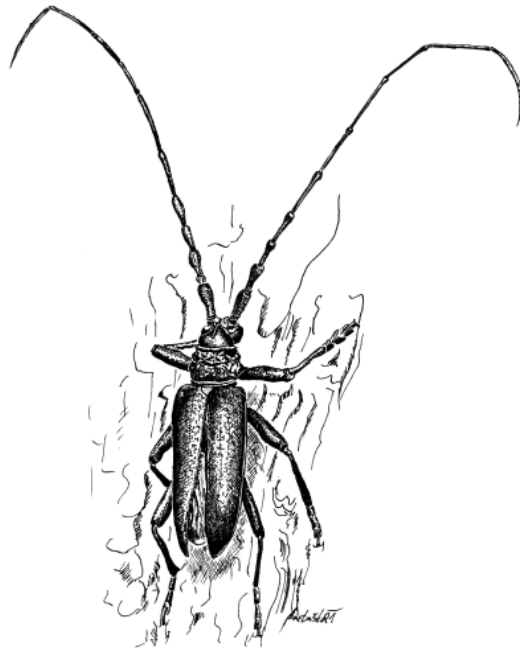
19:05 Example of the national conservation biology conference series of Hungary
Báldi, András

19:20 Informal discussion

19:00-23:00 Late night batwatching (optional)

19:00-23:00 Dinner on the boat (optional)

THURSDAY 3rd SEPTEMBER 2009



Cerambyx cerdo
Graphics by Václav Bartuška

THURSDAY, September 03									
Location	SIC	AULA	A II	A III	A IV	E I	E II	E III	A I
9:00 - 10:00									
Plenary: JOAN MARTINEZ-ALIER [SIC + AULA videoconference]									
10:00 – 10:30									
COFFEE BREAK									
10:30 – 12:30	SY 1/2 Economics for biodiversity conservation	SY 1/3 Building an adaptive climate change-proof conservation strategy	SE 1/1 Spatial ecology and conservation	SE 2/4 Conservation in agriculture landscapes	SE 1/3 Protected areas: planning, design and management	SY 1/1 Nature conservation on farmland	-----	SE 1/3 Alien and invasive species	SP 1/2 Population ecology and conservation
12:30 – 14:00	Presentation of Communication Committee 13:00 – 13:45	Spontaneous discussion slot 13:00 – 13:45	Spontaneous discussion slot 13:00 – 13:45	LUNCH TIME		WO European censuses for conservation 12:45 – 13:45		Students lunch with professors (MENZA IV)	
14:00 – 16:00	SY 2/2 Economics for biodiversity conservation	SY 2/3 Building an adaptive climate change-proof conservation strategy	SE 1/2 Landscape ecology and conservation	SE 3/4 Conservation in agriculture landscapes	SE 2/3 Protected areas: planning, design and management	SY 1/2 Concept, methods and software for conservation prioritization	SY 1/2 Disturbance of wildlife through recreation	SE 2/3 Alien and invasive species	SP 2/2 Population ecology and conservation
16:00 – 16:30									
COFFEE BREAK									
16:30 – 18:30	SY 1/1 TEEB	SY 3/3 Building an adaptive climate change-proof conservation strategy	SE 2/2 Landscape ecology and conservation	SE 4/4 Conservation in agriculture landscapes	SE 3/3 Protected areas: planning, design and management	SY 2/2 Concept, methods and software for conservation prioritization	SY 2/2 Disturbance of wildlife through recreation	SE 3/3 Alien and invasive species	SP 1/1 Agriculture landscapes & Grasslands
18:30 – 19:00									
BREAK									
19:00 – 20:30		Movie "The Planet"				WO Zonation conservation prioritization framework			

09:00-10:00 **Plenary session – Joan Martinez-Alier**

Room: **SIC + AULA**
videoconference

Economics of biodiversity conservation and valuation issues

Ecological economics focuses on the relations between the human economy and the environment. There is a fashion in ecological economics to give economic values to environmental services, in order to emphasize the social importance of conservation. However, other authors point out that in conflicts on biodiversity conservation different social actors prefer sometimes to put more weight on non-economic values. Who has the power to impose one particular valuation language? Some examples will be analyzed.

10:30-12:30 **Symposium – Economics for biodiversity conservation 1/3**

Room: **SIC**

Organiser: Martin Dieterich

By definition, non-renewable resources are exhaustible, and use of renewable resources is limited by the productive and assimilative capacities of ecosystems. Thus, human societies function within limits imposed by ecological constraints. Increasing demand for natural resources and resulting land use change towards unsustainable extraction continue to be the main drivers of biodiversity loss, globally and regionally. Halting biodiversity loss therefore ultimately depends on the capability of human societies to properly acknowledge and live within ecological constraints.

Ecological constraints are not reflected in mainstream economics and economic policies. Such policies are based on the growth paradigm and a market system that is intrinsically unable to, and therefore does not properly account for value externalities such as biodiversity.

In the prevailing social and economic framework, solutions to the biodiversity crisis are founded on models that attribute monetary value to ecosystem services and on the potential for technological progress. Attributing monetary value is a first step towards the internalization of biodiversity values into market transactions, but it is not a solution. Technology is a means to achieve greater material wealth using fewer resources and at the same time lessen pressures on ecological systems and associated biodiversity. However, technology is not a means to overcome basic constraints imposed by ecological limits.

Although improving technology and assigning monetary values to ecosystem services may lessen the impact of the economy on the environment and biodiversity, they do not address the problems inherent in basic economic paradigms and policies based thereupon. There is a need for economic policies that properly consider ecological knowledge and environmental assets, if political targets such as “halting the loss of biodiversity” are to be achieved.

The proposed symposium will critically explore 1) the foundations, promises and flaws of growth economics and economic policies based upon the growth paradigm; 2) the opportunities and limits of the economic valuation (monetization) of ecosystem services; 3) the opportunities and limits to solving the biodiversity crisis by technological progress; and 4) sustainable economic models that are able to incorporate ecological principles including the conservation of biodiversity.

- 10:30 Introduction – an ecological perspective on economics and sustainability
Dieterich, Martin
- 10:50 Biomass use, HANPP and biodiversity: Towards a biophysical indicator of socioeconomic pressures on biodiversity
Haberl, Helmut
- 11:10 What type of growth is sustainable? An argumentary
Hinterberger, Friedrich; Hafale, Hutterer; Ines, Omann; **Elke, Pirgmaier**; Stefan, Giljum; Andrea, Stocker; Andrea, Teufel
- 11:30 Economic growth and sustainability
Jackson, Tim
- 11:50 Prospects for reconciling the conflict between economic growth and biodiversity conservation with technological progress
Czech, Brian
- 12:10 Employment, biodiversity conservation, and the steady state economy
O’Neill, Daniel

10:30-12:30 Session – Conservation in agriculture landscapes 2/4 Room: A III

- 10:30 Diversity patterns and pollination services provided by bees in an arid agro-natural landscape across the Jordanian-Israeli border
Hollender, Yael; **Mandelik, Yael**; Awawde, Muheeb; Dayan, Tamar; Hefetz, Abraham; Al-Malabe, Ahmed
- 10:50 Dragonflies on British farmland ponds: optimisation of survey methods for ecological conservation and landscape-scale studies
Raebel, Eva M.; Macdonald, David W.; Riordan, Phillip; Thompson, David J.
- 11:10 A failure of conservation payments: agrienvironmental and afforestation subsidies jointly destroying the biodiversity of Carpathian grasslands.
Spitzer, Lukáš; Konvička, Ondřej; Beneš, Jiří; Popelarova, Marie; Konvička, Martin
- 11:30 Landscape effects of organic farming on butterflies
Hodgson, Jenny; Gabriel, Doreen
- 11:50 Effects of bad habitat quality through resource allocation in *Parnassius apollo*
Fred, Marianne
- 12:10 Biodiversity conservation in agricultural wetland – the case study of the flooding «Plaine Mothaise» (Deux-Sèvres, France)
Freyssinel, Gael; Duchatel, Clemence; Coussot, Pauline; Berthier, Caroline; Jupillat, Michael;
Souty-Grosset, Catherine

10:30-12:30 Session – Protected areas: planning, design and management 1/3 Room: A IV

- 10:30 Is ecological heterogeneity an alternative tool for reserve design? A case study from Dadia National Park, Greece
Kati, Vassiliki; Poirazidis, Kostas; Dufrêne, Marc; Halley, John; Korakis, Giorgos; Schindler, Stefan; Dimopoulos, Panayotis
- 10:50 Systematic conservation planning in practice: A case study from Uruguay
Soutullo, Alvaro; Mejía, Paola; Rodriguez-Gallego, Lorena; Nin, Mariana; Bartesaghi, Lucia
- 11:10 Etosha buffer zone – A concept to support efforts to link Etosha National Park to the transnational network of protected areas in southern Africa
Goettert, Thomas; Zeller, Ulrich
- 11:30 Addressing the bias in protected area reporting
Barr, Lissa; Pressey, Robert; Possingham, Hugh
- 11:50 Costs and benefits of information in conservation planning
Wikberg, Sofie; Perhans, Karin
- 12:10 Discussion

10:30-12:30 Symposium – Nature conservation on farmland: linking ecology with social sciences 1/1 Room: EI

Organisers: G. R. de Snoo, H. Staats & C. J. M. Musters

Ongoing intensification of agriculture has been identified as one of the main causes of biodiversity decline in the 20th and 21st centuries. Recognising of the role of agriculture in this problem, both farmer communities and governments have taken initiatives to design measures to mitigate the impact of intensive agricultural practice on biodiversity and the environment. In Europe, this has culminated in incorporation of environmental criteria in EU legislation regarding Common Agricultural Practice (CAP) and the obligation of national governments to design and implement agri-environmental schemes.

To date, there is a substantial body of research founding agri-environmental management options on a solid ecological base. However, after several decades, strong evidence for the success of agri-environmental schemes in halting the biodiversity decline is still lacking.

One of the reasons suggested for this is that, generally speaking, ecological considerations currently play an insignificant role in farmers' decisions to participate in schemes and more importantly, in delivering quality once enrolled in a scheme. What are their perceptions, motives etc? Ecological considerations are weighed heavily against economical and social considerations. Therefore, research aiming to find ways to improve the quality of the agri-environmental management needs to integrate ecology and social sciences. With this symposium we bring together scientists who have built bridges between these domains in order to elucidate the social processes underlying farmers' decision making in agri-environmental management. Next to a discussion on how current agri-environmental policy is bound to lead to suboptimal results, alternative strategies on how to improve farmers' involvement in agri-environmental management will be discussed.

- 10:30 The FARMCAT project: The social and ecological constraints on the successful delivery of agri-environment schemes
Bullock, James
- 10:50 Does knowledge of environmental performance change farmer's behaviour?
van Dijk, Jerry; Lokhorst, Anne Marike; Staats, Henk; de Snoo, Geert
- 11:10 Ecological success of field margins and farmer's commitment
Musters, C.J.M.; Noordijk, Jinze; van Dijk, Jerry; de Snoo, Geert R.
- 11:30 Linking farmland conservation management to population trends
Kleijn, David
- 11:50 Selling Biodiversity to Farmers - A View From the Farm
Lyth, Phil
- 12:10 Effects of agri-environmental measures and farming style on biodiversity in Austrian agricultural landscapes
Schindler, Stefan; Schmitzberger, Ingrid; Peterseil, Johannes; Pollheimer, Martin; Wrbka, Thomas

10:30-12:30 Session – Alien and invasive species 1/3

Room: **E III**

- 10:30 Establishing an evidence base on invasive species responses to climate change
Bayliss, Helen R; Randall, Nicola, Wilcox, Andy; Stewart, Gavin B
- 10:50 Compensatory measures: chance for nature
Francek, Jiří; Rozínek, Roman
- 11:10 Using hyperspectral sensors to map the spread of the invading water fern (*Azolla filiculoides*)
Díaz-Delgado, Ricardo; Aragonés, David; Privett, Sean; García-Murillo, Pablo; Cirujano, Santos
(Bustamante, Javier)
- 11:30 Patterns of impacts of four highly invasive plants species on native vegetation in Belgium
Saad, Layla; Mahy, Grégory
- 11:50 Restoration for old fields and areas cleared of alien vegetation – adding ecological and commercial value through fynbos plants
Gaertner, Mirijam; Richardson, David
- 12:10 Public attitudes to the management of invasive non-native species
Park, Kirsty; Bremner, Alison

10:30-12:30 Speed presentation session – Population ecology and conservation 1/2

Room: **A I**

- 10:30 Factors influencing population dynamics of a critically endangered plant species, *Ligularia sibirica*
Smidova, Anna; Munzbergova, Zuzana
- 10:40 Pollination ecology of the endangered *Dracocephalum austriacum* L.
Castro, Sílvia; van der Meer, Sascha; Dostálek, Tomáš; Oostermeijer, Gerard; Munzbergová, Zuzana

- 10:50 Genetic variation in natural and artificial populations of *Jurinea cyanooides*
Kříž, Martin; Kirschnerová, Ludmila; Kirschner, Jan
- 11:00 Ex situ conservation of *Dianthus giganteus* D'Urv subsp. *banaticus* (Heuff.)
Goia, Irina; Jarda, Liliana; Palada, Magdalena; Cristea, Victoria
- 11:10 Morphological and molecular diversity of the protected species of *Dianthus* sect. *Plumaria* from Central Europe
Somogyi, Gabriella; Höhn, Mária; Kadereit, Joachim W.
- 11:20 Discussion
- 11:30 Is it possible to protect endangered dragonflies (Odonata) in secondary biotopes?
Harabiš, Filip; Dolný, Aleš
- 11:40 Conservation and ecology of ladybird communities
Ameixa, Olga; Honek, Alois; Kindlmann, Pavel
- 11:50 Results of a study of the population of Aesculapean Snake (*Zamenis longissimus*) in Podyji National Park
Vlašín, Mojmír; Mikátová, Blanka
- 12:00 Isolated population of the Aesculapian Snake in Eger River Valley, Northwest Bohemia
Musilová, Radka; Zavadil, Vít; Kotlík, Petr
- 12:10 Biodiversity and conservation of amphibians and reptiles in Croatia
Jelić, Dušan
- 12:20 Discussion

12:30-14:00 Students lunch with professorsLocation: **MENZA IV**

Bring your lunch to the MENZA IV area and enjoy meeting prominent conservation biologists. Discuss your ideas with leaders of the field.

12:45-13:45 Workshop - Joint European Censuses for ConservationRoom: **E I**

Organisers: Henk de Vries & Ruud Foppen

Goal: To establish a European platform for NGO's where census and atlas activities can be joined and discussed. The EBCC (European Bird Census Council) and the BCE (Butterfly Conservation Europe) are both young European organizations with a joint purpose of gathering information about distribution of respectively birds and butterflies. When these two associations meet, possibly together with other organizations, they can join some of their efforts and thus contribute to measuring biodiversity on a European scale. Other purposes of the proposed workshop are: (1) to generate support for an European portal for records of observations of fauna and flora. (2) to plan/discuss the opportunity for starting with the assemblage of data for a new atlas of European breeding birds. (3) to present and discuss ongoing national and international projects contributing to European databases. (4) to get interest from other European associations or organizations with similar objectives to join this platform (5) to establish a network of people from national organizations who want to contribute to European databases.

13:00-13:45 Presentation of Communication Committee SCB-ESRoom: **SIC**

Organisers: Communication Committee of SCB-ES

The aim of this informal meeting is to present the aims and the actual work done in the CC of SCB-ES.

13:00-13:45 Spontaneous discussion slotRoom: **AULA****13:00-13:45 Spontaneous discussion slot**Room: **A II**

- 15:20 Grassland diversity: spatial scale patterning and conservation management - a field investigation
Jones, Andrew
- 15:40 Towards sustainable forest management: from policy to practice using landscapes as laboratories in Europe's West and East
Elbakidze, Marine; Angelstam, Per

14:00-16:00 Session – Conservation in agriculture landscapes 3/4

Room: **A III**

- 14:00 The true role of predators in man-made ecosystems
Kindlmann, Pavel
- 14:20 Europe-wide negative effects of agricultural intensification on biodiversity and biological pest control on farmland
Geiger, Flavia; Bengtsson, Jan; Berendse, Frank; Inchausti, Pablo; Weisser, Wolfgang W.; Emmerson, Mark; Morales, Manuel B.; Ceryngier, Piotr; Kindlmann, Pavel; Tschamtkke, Teja; Liira, Jaan
- 14:40 Agricultural intensification and dispersal ability affect beta diversity of plants, carabids and birds
Flohre, Andreas; Fischer, Christina; Aavik, Tsipe; Ameixa, Olga; Bengtsson, Jan; Berendse, Frank; Bommarco, Riccardo; Ceryngier, Piotr; Clement, Lars W.; Dennis, Christophe
- 15:00 Evidence for the Negative Affects of Agricultural Intensification on the Functional Diversity of Birds
Dennis, Christopher; Petchey, Owen; Evans, Karl; Emmerson, Mark
- 15:20 Decomposing landscape homogenization and practice intensification effects on farmland birds in France
Bas, Yves; Jiguet, Frédéric
- 15:40 Promoting development, management and conservation of under utilized crops and species of North Western
Zeerak, Nazir. A.; Wani, Shafiq. A.

14:00-16:00 Session – Protected areas: planning, design and management 2/3

Room: **A IV**

- 14:00 Methods of creation of ecological network in the Czech Republic
Maděra, Petr; Buček, Antonín; **Machar, Ivo**
- 14:20 Species-specific spatial characteristics in reserve site selection
Groeneveld, Rolf
- 14:40 Fine-scale priorities for the conservation of the world's mammals
Rondinini, Carlo
- 15:00 Perspectives of the new Dutch species conservation strategy
de Vries, Henk; Verstrael, Theo
- 15:20 Long term biodiversity monitoring of new native woodlands in Scotland
Smith, Mike; Cowie, Neil; Atkinson, Sian; Harvey, Gordon
- 15:40 Discussion

14:00-16:00 Symposium – Concepts, methods and software for conservation prioritization 1/2Room: **E I**

Organisers: Atte Moilanen & Anni Arponen

This Symposium includes presentations that concern conceptual and methodological issues of conservation planning. Topics can include, for example, goal setting, new methods for terrestrial/ marine/freshwater planning; dealing with habitat loss; allocation of multiple alternative conservation actions; systematic habitat restoration; adaptive management, monitoring, planning for changing landscapes – including effects of climate change, new software etc. Below is a list of speakers who have reconfirmed interest in participating. The talks have been ordered roughly according to topic; first are talks with methodological/conceptual emphasis, and then talks with methodological/applied emphasis.

- 14:00 Solving the conservation resource allocation problem: achievements and future challenges
Moilanen, Atte
- 14:20 Considering the interaction between connectivity and anthropogenic threats in dynamic reserve design: the neighbourhood vulnerability approach
Visconti, Piero; Pressey, Bob; Segan, Dan; Watts, Matthew
- 14:40 Spatial and temporal trade-offs in cost-effective habitat network design
Drechsler, Martin
- 15:00 An axiomatic theory of target-based site prioritization produces a simple and effective new index
Philips, Steven; Torknornoo, Desmond; Applegate, David; Archer, Aaron; Johnson, David; Pressey, Robert
- 15:20 Community-level approaches to conservation planning
Arponen, Anni
- 15:40 Measuring protected area effectiveness
Cabeza, Mar

14:00-16:00 Symposium – Disturbance of wildlife through recreation: from research to implementation 1/2Room: **E II**

Organisers: Raphaël Arlettaz, Susi Eiermann-Jenni & Veronika Braunisch

The human population is steadily increasing, with its economy growing even much faster. A result of this frantic development is that recreational activities spread rapidly, affecting nature everywhere. Disturbance of wildlife through recreation is thus becoming a serious environmental issue. On the one hand, knowledge about the actual effects of recreation is still fragmentary. On the other end, conservation practitioners have to take action for mitigating its effects. We need to develop an evidence-based framework for disturbance ecology which addresses crucial conservation issues, proposes sound policy guidelines and ensures implementation in practice. The aim of this symposium is, firstly, to present a synthesis of the various approaches used to quantify the impact of human disturbance on organisms and ecosystems; secondly, to present study cases where knowledge has led to a significant implementation of concrete policies for mitigating the effects of anthropogenic disturbance upon wildlife; thirdly, to offer a platform to practitioners for presenting areas they think need an urgent input from disturbance ecology science. This way we may contribute to bridge the gap between research and practice in this emerging field.

- 14:00 The Theory of Allostasis in Stress Ecology
Wingfield, John
- 14:20 Interaction between habitat selection and stress sensitivity
Jenni-Eiermann, Susanne; Thiel, Dominik; Homburger, Benjamin
- 14:40 Integrated disturbance ecology: from the impact of outdoor winter sports on alpine wildlife to the creation of winter preserves
Arlettaz, Raphaël; Patthey, Patrick; Baltic, Thiel; Marjana, Dominik; Jenni-Eiermann, Susanne
- 15:00 Impact of outdoor winter sports on the abundance of a key indicator species of alpine ecosystems
Patthey, Patrick; Wirthner, Sven; Signorell, Natalina; Arlettaz, Raphaël

- 15:20 Spatially-explicit modelling of conflict zones between outdoor winter recreation and wildlife in the European Alps
Braunisch, Veronika; Patthey, Patrick; Arlettaz, Raphaël
- 15:40 Discussion

14:00-16:00 Session – Alien and invasive species 2/3

Room: **E III**

- 14:00 Management of aquatic invasive species in Catalonia
Rodríguez-Labajos, Beatriz; Delclos, Jaume; Dittmer, Kristofer; Manzanera, Marta; Munné, Antoni; de Torres, Mariona
- 14:20 Exotic fish species in the Adriatic: A review
Dulčić, Jakov; Dragičević, Branko
- 14:40 Biological invasions by non-indigenous freshwater fishes in Sardinia: history, current status and future perspectives
Orru', Flavio; Cau, Angelo
- 15:00 Records on Invasive Alien Freshwater Species in Albania and Assessment of Threats to Biodiversity
Shumka, Spase; Papparisto, Anila; Trajçe, Aleksander
- 15:20 Ginbuna (*Carassius langsdorfii*, Temminck & Schlegel, 1846): New Fish Species in Europe
Kalous, Lukáš; Šlechtová, Vendula; Bohlen, Jörg; Petrtyl, Miloslav; Švátora, Miroslav
- 15:40 Invasive bivalves in freshwater European ecosystems: ecological significance
Sousa, Ronaldo; Pilotto, Francesca; Antunes, Carlos; Aldridge, David; Guilhermino, Lúcia

14:00-16:00 Speed presentation session – Population ecology and conservation 2/2

Room: **A I**

- 14:00 Processes driving temporal dynamics in the nested pattern of waterbird communities in artificial wetlands
Sebastián-González, Esther; Paracuellos, Mariano; Sánchez-Zapata, José Antonio; Botella, Francisco
- 14:10 Multiple habitat characteristic cues linked to nest predation risk improve breeding habitat choice in Northern Wheatears
Schneider, Nicole A.; Pärt, Tomas; Arlt, Debora
- 14:20 The decline of Finnish Capercaillie populations in relation to the massive expansion of forestry
Sirkiä, Saija; Lindén, Andreas; Helle, Pekka; Nikula, Ari; Knape, Jonas; Lindén, Harto
- 14:30 Density and habitat selection by male Little Bustard *Tetrax tetrax* in contrasting landscapes within Sardinia (Italy)
Santangeli, Andrea; Dolman, Paul
- 14:40 Citizen participation to a scientific project: toward a common science
Bergerot, Benjamin; Julliard, Romain
- 14:50 Discussion
- 15:00 What we can say about beavers (*Castor fiber*) without meeting them
Korbelova, Jana; Vorel, Ales; Korbel, Josef; Hamsikova, Lenka; Válková, Lenka; Maloň, Jaroslav
- 15:10 Post-release monitoring of reintroduced Anatolian mouflon (*Ovis gmelinii anatolica*): demography, spatial ecology and conservation challenges
Ozut, Deniz; Ozdirek, Lutfiye; Hewison, Mark; Kence, Aykut
- 15:20 Preliminary Results of a Long Term Camera Trapping Survey in a Globally Important Intact Large Mammal Region in Northern Turkey
Soyumert, Anil; Erturk, Alper; Gurkan, Behzat

- 15:30 Nesting behavior of the introduced chimpanzee population on Rubondo Island NP, Tanzania
Mazoch, Vladimir; Petrzalkova, Klara J.; Moscovice, Liza R.; Bobakova, Lucia; Mapua, Mwanahamissi I.; Singh, Jatinder; Kaur, Taranjit; Huffman, Michael A.
- 15:40 Implications of home-range estimation and habitat selection in the management of the endangered roan antelope (*Hippotragus equinus langheldi*) in Kenya
Kimanzi, Johnstone; Sanderson, Roy; Rushton, Stephen
- 15:50 Discussion

16:30-18:30 Symposium – TEEB 1/1

Room: **SIC**

Organiser: Martin Dieterich

The symposium will be held as a joint session with a presentation of results from the TEEB study (The Economics of Ecosystem Services and Biodiversity). TEEB researchers will use the joint session to ask for active input from congress participants to the TEEB process.

- 16:30 The Economics of Ecosystems and Biodiversity (TEEB) – Concept and Structure
Berghöfer, Augustin
- 16:50 The Economics of Ecosystems and Biodiversity – First Results of the TEEB Study for Policy Makers
Wittmer, Heidi
- 17:10 The Draft TEEB D2 Report – The Economics of Ecosystems and Biodiversity at Local and Regional Policy Levels
Hussain, Salman
- 17:50 Discussion input from audience to TEEB for Local & Regional Policy Levels
- 18:10 Joint Discussion TEEB - Economics for nature Conservation

**16:30-18:30 Symposium - From sit and watch to anticipate and manage:
building an adaptive climate change-proof conservation strategy 3/3**

Room: **AULA**

- 16:30 Climate change-proof nature conservation – a cooperative postgraduate research programme
Geyer, Juliane; Freudenberger, Lisa ; Ibisch, Pierre L.; Epp, Laura; Tiedemann, Ralph
- 16:50 New strategic alignment of priority and target setting in conservation
Kreft, Stefan; Ibisch, Pierre L.
- 17:10 Transboundary cooperation in establishing ecological networks: The case of Germany's external borders
Leibenath, Markus; Blum, Andreas; Stutzriemer, Sylke
- 17:30 Policy principles and measures for facilitating biodiversity adaptation to climate change in the EU
Tucker, Graham; Dickson, Barney; Harley, Mike; Keder, Guus; Kettunen, Marianne; de Soye Yves
- 17:50 Discussion

16:30-18:30 Session – Landscape ecology and conservation 2/2

Room: **A II**

- 16:30 Matrix effects on local species assemblage of soil springtails
Dubs, Florence; Ponge, Jean-François
- 16:50 On the difference between structural and functional habitat: linking behaviour, ecological niche and conservation in butterflies
Van Dyck, Hans; Turlure, Camille
- 17:10 Functional homogenization, agriculture and wildfires: perturbation may promote more specialized bird communities
Clavero, Miguel; Brotons, Lluís
- 17:30 Identification of corridors and linkage zones for brown bear as mitigation to the impacts from the construction of E65 highway in Central Greece
Bousbouras, Dimitris; Chouvardas, Dimitris; Evangelou, Christakis; Lampou, Eleni; Kakouras, Petros; Georgiadis, Lazaros
- 17:50 Wildlife corridors for red squirrels; defining contiguous and non-contiguous habitat for connecting woodland fragments
Quigley, Cally; **Ramsey, Andrew**; Nevin, Owen
- 18:10 How important is local connectivity for snail diversity in orchards?
Hofer, Gabriela; Bailey, Debra; Schmidt-Entling, Martin H.; Herzog, Felix

16:30-18:30 Session – Conservation in agriculture landscapes 4/4

Room: **A III**

- 16:30 Spatial changes in the abundance of European farmland birds; serving European policy initiatives
Sierdsema, Henk; Brotons, Lluís; Jiguet, Frédéric; Foppen, Ruud
- 16:50 Is landscape structure or organic farming practice a better predictor of farmland bird diversity?
Fischer, Christina; Flohre, Andreas; Clement, Lars W.; Hänke, Sebastian; Batáry, Péter; Weisser, Wolfgang W.; Tschamtko, Teja; Thies, Carsten
- 17:10 Do Estonian farmland birds benefit from agri-environmental subsidies?
Eits, Jaanus; Lõhmus, Asko
- 17:30 The implications of agricultural change on avian diversity and the economics of upland farming
Dallimer, Martin; Acs, Szvetlana; Hanley, Nick; Tinch, Dugald; Wilson, Paul; Robertson, Phil; Gaston, Kevin; Armsworth, Paul
- 17:50 Long term trends in survival rates of a declining species: the case of Little Owl (*Athene noctua*) in the Netherlands
Le Gouar, Pascaline; Schekkerman, Hans; van Harxen, Ronald; Stroeken, Pascal; Fuchs, Piet; van der Jeugd, Henk; van Noordwijk, Arie
- 18:10 Crop genetic diversity benefits in-field arthropod specific diversity
Chateil, Carole; Goldringer, Isabelle; Gachet, Sophie; Ponge, Jean-François; Le Viol, Isabelle; Kerbiriou, Christian; Porcher, Emmanuelle

16:30-18:30 Session – Protected areas: planning, design and management 3/3

Room: **A IV**

- 16:30 Biodiversity congruence at local scale: applications for local management of the territory
Vera, Pablo; Sasa, Mahmood; Encabo, S. Ignacio; Barba, Emilio; Belda, Eduardo J.; Monrós, Juan S.
- 16:50 Land abandonment and biodiversity loss in the Alta Garrotxa, Catalonia (Spain): A proposal model for recovering open areas
Varga, Diego; Vila, Josep
- 17:10 Management to conserve biodiversity is likely to increase soil carbon storage in upland Atlantic oakwoods in the United Kingdom
Weatherall, Andrew; Clapham, Melanie

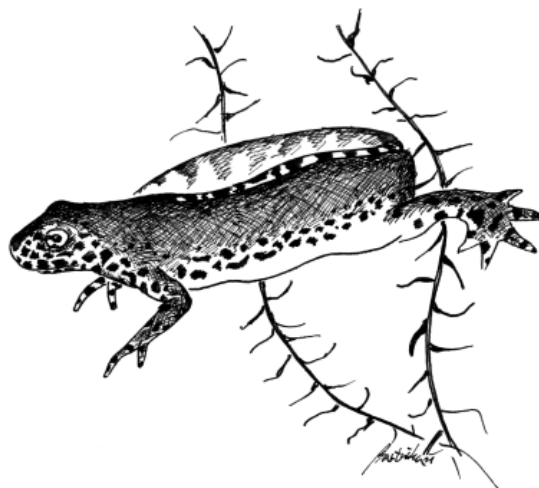
16:30-18:30 Session – Alien and invasive species 3/3Room: **E III**

- 16:30 Knowing the past to predict the future: land-use change and the spread of invasive Bullfrogs
Ficetola, Gentile Francesco; Maiorano, Luigi; Falcucci, Alessandra; Dendoncker, Nicolas; Boitani, Luigi; Padoa-Schioppa, Emilio; Miaud, Claude; Wilfried, Thuiller
- 16:50 An invasive exotic ungulate in the south of Europe: origin, expansion and conservation concerns
Cassinello, Jorge
- 17:10 Turning back the tide of American mink invasion in partnership with communities
Bryce, Rosalind; Lambin, Xavier; Davies, Llinos; Gray, Helen; Oliver, Matthew; Urquhart, Jamie
- 17:30 Prioritizing rat eradication on Italian islands to protect nesting seabirds
Capizzi, Dario; Baccetti, Nicola; Sposimo, Paolo
- 17:50 First feral cat eradication on a small Mediterranean island: trends of rat and shearwater populations and their interaction without cat presence
Bonnaud, Elsa; Zarzoso-Lacoste, Diance; Bourgeois, Karen; Ruffino, Lise; Eric, Vidal
- 18:10 Biocentrical role of dogs and cats in rural areas of central Poland
Krauze, Dagny; Gryz, Jakub

16:30-18:30 Speed presentation session – Conservation in agricultural landscapes & Grasslands 1/1Room: **A I**

- 16:30 Biodiversity Conservation in Agricultural Landscape – A Wide Gap between Science and Policy of Public Subsidies
Morawetz, Jiri; Kodet, Vojtech
- 16:40 Effects of organic farming and landscape complexity on species richness of birds, carabids and plants across Europe
Winqvist, Camilla; Bengtsson, Jan; Bommarco, Riccardo
- 16:50 Traditional Ecological Knowledge in Changing Mountain Rural Communities – a Comparative Study in Northern Portugal
Cerqueira, Yvonne; Honrado, João; Pereira, Henrique Miguel
- 17:00 Do local communities in Poland need education on Natura 2000 program?
Pietrzyk, Agata; Nieszporek, Katarzyna; Grodzinska-Jurczak, Malgorzata
- 17:10 Beaver dams in the agricultural landscape
Laznicka, Vladimir; Sobotkova, Barbora
- 17:20 Discussion
- 17:30 Effect of agricultural fields management on diversity of plant and bird communities
Štefanová, Martina
- 17:40 Factors responsible for species diversity and composition in dry grasslands
Husakova, Iveta; Münzbergova, Zuzana
- 17:50 Effects of mowing on populations of the scarce large blue butterfly (*Maculinea teleius*) in SW Hungary
Kőrösi, Ádám; Szentirmai, István; Örvössi, Noémi; Kövér, Szilvia; Batáry, Péter; Peregovits, László
- 18:00 Unique rodent taxon under pressure – status and distribution of Vojvodina mole rat (*Nannospalax (leucodon) montanosyrmensis*) (Mammalia: Rodentia)
Csorba, Gabor; Nemeth, Attila; Krnacs, Gyorgy; Czaban, David; Farkas, Janos
- 18:10 Discussion

FRIDAY 4th SEPTEMBER 2009



Triturus alpestris
Graphics by Václav Bartuška

FRIDAY, September 04										
Location	SIC	AULA	A II	A III	A IV	E I	E II	E III	A I	Round hall
9:00 - 10:00										
Plenary: WILLIAM SUTHERLAND [SIC + AULA videoconference]										
10:00 - 10:30										
COFFEE BREAK										
10:30 - 12:30	SY 1/2 Boreal forests	SE 1/3 Climate changes and biodiversity	SE 1/1 NATURA 2000	SE 1/2 Grassland ecology and management	SY 1/2 Biodiversity monitoring at European scale	SE 1/2 Conservation in a socio-economic context	SE 1/2 Conservation at the science-policy interface	SY 1/1 Conservation genetics of ex-situ and reintroduction projects	SP 1/1 Urban ecology & Transport infrastructures	SY 1/2 Ex-situ plant conservation
12:30 - 14:00	SCBES Presentation 13:00 - 13:45	Spontaneous discussion slot 13:00 - 13:45	Spontaneous discussion slot 13:00 - 13:45							
LUNCH TIME										
14:00 - 16:00	SY 2/2 Boreal forests	SE 2/3 Climate changes and biodiversity	SE 1/1 Impact of transport infrastructures	SE 2/2 Grassland ecology and management	SY 2/2 Biodiversity monitoring at European scale	SE 2/2 Conservation in a socio-economic context	SE 2/2 Conservation at the science-policy interface	SE 1/1 Risk assessment and uncertainty	SP 1/1 Conservation genetics	SY 2/2 Ex-situ plant conservation
16:00 - 16:30										
COFFEE BREAK										
16:30 - 18:30										
POSTER SESSION [ROUND HALL + CLUB C]										
18:30 - 19:00										
BREAK										
20:00 - 23:00										
BARBEQUE PARTY IN THE CAMPUS										

09:00-10:00 **Plenary session – William Sutherland**

Room: **SIC + AULA**
videoconference

A science and policy agenda for effective global conservation

The reason for our work, and for this conference, is to enable the maintenance and restoration of biodiversity. There have been some successes but overall we are presiding over a global loss of biodiversity. Part of the reason for this is the failure to comprehensively integrate science and practice. I suggest that we need to fundamentally change how we work, especially so that evidence-based conservation underpins policy and practice.

10:30-12:30 **Symposium - The natural range of variability as a guide for sustainable forest management in boreal forests 1/2**

Room: **SIC**

Organiser: Bengt Gunnar Jonsson

The majority of the land area within the boreal zone is dominated by coniferous forests. Over extensive areas these forests have provided natural resources for the forest industry for the last 100 – 200 years (depending on region). This impact has caused large-scale transformation of the North European forest ecosystems, and as a result, remaining old forests with limited human influence mainly occur as isolated fragments in heavily modified landscapes.

However, in more remote areas, forestry has not yet strongly altered the landscape composition and forest stand structures. Here the structure and dynamics still represent conditions that have played major roles in shaping boreal forest biodiversity. Because a large fraction of forest species are strongly connected to the dynamics of the tree layer (dead wood, deciduous successional stages, burned areas, canopy structure old trees etc.), these areas represent critical sources for information concerning which structures and processes are needed to maintain forest biodiversity. In this context, an analysis of the historical range of variability in key factors (fire frequencies, dead wood volumes, numbers of large trees, etc.) may provide the guidelines necessary for sustainable forest management. The basic assumption is that because boreal species evolved under these conditions, maintaining a range of such conditions reduces the risk of losses to biodiversity.

The natural range of variability (NRV) concept (also referred to as historical range of variability) has been explored in North American forest management. However, to date the concept has received far less attention in European forest management. The aim of the proposed symposia is to present and review the NRV concept and provide examples and case studies from European boreal forests. To this end, we will invite researchers from Canada and/or the USA who have first-hand experience with NRV applications to provide the necessary background to the concept (2 hours). Secondly, we will -- based on our own research network -- provide an overview of the available information from northern Europe that is relevant to the NRV concept (2 hours).

We feel strongly that the proposed symposia would provide an important meeting and discussion point aimed at better understand how the NRV concept can be applied in a European setting. The proposed symposia would also summarize the current state of knowledge, and it would focus future research efforts. Finally, the symposia would inform participating forest and conservation managers on the potential NRV concept as a planning instrument in the search for efficient sustainable forest management. Thus, the symposia fits extremely well with the theme of the Congress – “Conservation biology and beyond: from science to practice”.

Since 2007 an international research network, PRIFOR, focusing on the remaining natural forests in northern Europe, has been established. Given the complexity and extent of these forests, it seemed unlikely that major advances would be accomplished by any single research group working in relative isolation; such advances require collaboration among groups working in parallel. Collectively, network members have an enormous amount of expertise and experience in boreal systems. However, when viewed regionally, the research effort in this area appeared to be fragmented. Bringing members together in a structured and active arrangement has created a synergism in research effort, ultimately increasing efficiency and productivity throughout this region. The cooperative benefits have been further strengthened by the national variations in forestry history in a region with the same broad biogeographical history. Thus, representatives of forest types that were lost in some countries have been found in other.

10:30 Introduction to the symposium

10:40 Fire, wind and natural range of variability in boreal forests of central North America
Frelich, Lee

11:10 Forests, fires, and the use of natural range of variability in the western United States
Stephenson, Nathan

11:30 Forest management is driving the eastern North American boreal forest outside its natural range of variability
Yves, Bergeron; Dominic, Cyr; Sylvie, Gauthier; Christopher, Carcaillet

- 10:50 The Role of Organic Farming in the Conservation of Grassland Biodiversity
Power, Eileen; Stout, Jane; Kelly, Daniel
- 11:10 Competition for Light as a Mechanism of Plant Biodiversity Loss Following Eutrophication
Hautier, Yann; Niklaus, Pascal; Hector, Andy
- 11:30 Meeting species-specific microsite requirements: a prerequisite for establishing species-rich grassland of high conservation value on ex-arable land
Wagner, Markus; Peyton, Jodey; Hulmes, Lucy; Hulmes, Sarah; Woodcock, Ben; Heard, Matt; Bullock, Richard
- 11:50 Calcareous grasslands of North-Western Russia: value and conservation problems
Znamenskiy, Sergey
- 12:10 Dramatic decline of the Whinchat *Saxicola rubetra* in Switzerland: Causes and evaluation of conservation measures
Horch, Petra; Rehsteiner, Ueli; Gruebler, Martin; Spaar, Reto

10:30-12:30 Symposium – Biodiversity monitoring at European scale 1/2

Room: **A IV**

Organisers: Piotr Nowicki & Klaus Henle

In 2001 at the European Council in Gothenburg, the Heads of State made the commitment to “halt biodiversity loss by 2010”, which became widely known as Agenda 2010. At the World Summit Of Sustainable Development in Johannesburg in 2002 world leaders agreed to “significantly reduce the current loss of biodiversity by 2010”. Biodiversity has its own intrinsic value, but is also increasingly recognized for its goods and services. In response to global, European, regional, or national commitments, countries are implementing plans to halt the further degradation of biodiversity. To ensure the most efficient and effective spending of the limited resources available for conservation, and to ensure that questions by decision makers are answered adequately, there is a need for coordination and standardization of biodiversity monitoring across Europe. This should enable wide access and multi-purpose use of data and will lead to a harmonized approach towards long-term indicator-based monitoring in Europe. Reporting of monitoring results will also be better integrated and more regular.

Though there is a strong political commitment to reach the 2010 target on the one side and intensive research to develop indicators of biodiversity and methods to measure them on the other side, there is yet no common framework that translates monitoring efforts into policy. Policymakers need to know if their decisions and the instruments, developed to implement the decisions to protect and use biodiversity in a sustainable manner, are effective. Managers need to know to which extent they are meeting the goals of EU Directives and biodiversity conservation strategies. Furthermore, policy decisions and management actions should be effective, coherent, and consistent across Europe. The public should also have access to such assessments. The policy-related monitoring programs can result in concrete messages for decision makers and the public.

The symposium will address the current situation and perspectives for the integrated biodiversity monitoring in Europe at the species and habitat level. The results presented have been gathered within of framework of the pan-European research project EuMon “EU-wide monitoring methods and systems of surveillance for species and habitats of Community interest” (STREP 006463) of the EU 6th Framework Programme.

- 10:30 How does Europe monitor its biodiversity? A survey from the EuMon project
Klaus, Henle; Pierre-Yves, Henry; Szabolcs, Lengyel; Dirk, Schmeller
- 10:50 From volunteers counting birds to a European Biodiversity Indicator, and back
Julliard, Romain
- 11:10 Common bird monitoring in Europe delivers policy relevant biodiversity indicators
Voříšek, Petr; Škorpilová, Jana; Klvaňová, Alena; Van Strien, Arco; Gregory Richard D.
- 11:30 Using butterfly counts for biodiversity indicators
Van Swaay, Chris A. M.
- 11:50 Availability of plant monitoring data in Europe
Sammul, Marek; (**Kull, Tjuu**)
- 12:10 Habitat monitoring in Europe: current situation and future perspectives
Lengyel, Szabolcs; Seliskar, Andrej

10:30-12:30 Session – Conservation in a socio-economic context 1/2 Room: **E I**

- 10:30 Coexistence needed, but eradication wanted: If we choose to listen, how do we manage views inconsistent with conservation objectives?
Sutherland, Maggie
- 10:50 Conservation and agricultural land-use: insights from ecological-economic modelling
Barraquand, Frederic; Martinet, Vincent
- 11:10 Biodiversity Action Plans in a Socio-economic Context: Managing Biodiversity in Vineyards and Montado Woodlands in Herdade do Esporão (Portugal)
Oliveira, Nuno; Antunes, Sandra; Tavares, Maria do Carmo
- 11:30 Conflicting economic and conservation interests in the Sugau Gorges Nature Reserve in the Romanian Carpathian Mountains
Ciumasu, Ioan Manuel; Lacatusu, Constantin; Stefan, Nicolae
- 11:50 Monitoring of socio-ecological indicators in the Mediterranean river basins. A study case in the Tordera River Basin, Catalonia (Spain)
Maneja, Roser; Boada, Martí; Varga, Diego; Marsiñach, Albert; Miralles, Marta
- 12:10 Loss of socioecological heritage in Mediterranean landscapes. The case of the municipality of Olzinelles (Catalonia, NE Spain)
Otero, Iago; Boada, Martí; Tàbara, David

10:30-12:30 Session – Conservation at the science-policy interface 1/2 Room: **E II**

- 10:30 Progress toward an era of evidence-based conservation
Pullin, Andrew
- 10:50 Why do our conservation efforts fail? Rethinking conservation approaches in human environments
Pe'er, Guy; Hartig, Florian; Drechsler, Martin; Settele, Josef; Frank, Karin
- 11:10 Biodiversity and the Goals of Conservation Biology
Cooper, Gregory
- 11:30 The concept of “Networked collection” or “Virtual collection”: new developments and their applications to the conservation of the Coconut palm
Bourdeix, Roland; George, Maria Luz; Baudouin, Luc; Joly, Hélène; Guarino, Luigi; Engels, Jan
- 11:50 Identifying national responsibilities for conserving breeding bird species in Europe
Burfield, Ian
- 12:10 Identifying research needs for ecosystem service conservation: results from the RUBICODE Coordination action
Bugter, Rob; Harrison, Paula; Watt, Allan; Settele, Josef

10:30-12:30 Symposium – Conservation genetics of *ex-situ* and reintroduction projects 1/1 Room: **E III**

Organisers: Axel Hochkirch & Kathrin A. Witzemberger

Although in situ-conservation such as habitat restoration and management represents the most effective way to protect endangered species, it is evident that some species have become extinct in their natural habitat or will become extinct during the next decades. Therefore, ex situ conservation programs and relocation projects have become increasingly important in order to protect endangered species. Loss of genetic variability, inbreeding and outbreeding depression still represent major problems in many ex situ populations. Although captive breeding projects have already benefited from improvements in husbandry and management as well as more detailed record keeping, genetic studies in captive populations are needed to get a better insight into the consequences of ex situ conservation. Data on the genetic diversity and relatedness of animals in ex situ populations are crucial for the implementation of successful breeding programs as they may help to avoid in- and outbreeding. Moreover, population genetic analysis can help to evaluate the translocation programs as they allow to calculate effective

gardens and ad-hoc production of living material for restoration.

Although concepts and guidelines have been developed in several countries through the past 15 yrs, it is still unclear in many cases whether the ex situ approach is appropriate or not, and which concrete ex situ measures are most promising for optimal conservation outcomes. Further, the integration of the different ex situ approaches and their connection to in situ activities is often not satisfying in real conservation projects. The symposium will summarise the state of the art in ex situ plant conservation with a focus on integrative projects in Europe, and give an outlook on future developments in this field.

- 10:30 On the role of population genetics for ex-situ plant conservation
Fischer, Markus
- 11:10 In 85 private gardens: scientifically sound propagation of 75 endangered native plant species and subsequent transplantation in the field near Zurich
Andrea, Keel; Regula, Langenauer; Karin, Marti; **Andreas, Gigon**
- 11:30 Consequences of ex situ cultivation for genetic diversity and fitness of *Cynoglossum officinale* L. in botanic gardens
Enßlin, Andreas; Sandner, Tobias; Matthies, Diethart
- 11:50 Population biology of *Dianthus carthusianorum*
Tschöpe, Okka; Duwe, Virginia; Fritsche, Tina; Burkart, Michael; Heinken, Thilo
- 12:10 20 years of ex situ plant conservation and species recovery projects in Berlin
Bunde, Daniela; Luthardt, Vera; Stevens, Albert-Dieter

13:00-13:45 Presentation of SCB-ES Room: **SIC**

Organisers: The Board of Directors of SCB-ES

The aim of this informal meeting is to present the aims and the actual work of the SCB-ES.

13:00-13:45 Spontaneous discussion slot Room: **AULA**

13:00-13:45 Spontaneous discussion slot Room: **All**

14:00-16:00 Symposium - The natural range of variability as a guide for sustainable forest management in boreal forests 2/2 Room: **SIC**

- 14:00 Searching for the history of Fennoscandian boreal forests
Jonsson, Bengt Gunnar; Axelsson, Anna-lena; Hytteborn, Håkan; Keto-Tokoi, Petri; Kuuluvainen, Timo; Lindblad, Matts; Östlund, Lars
- 14:20 Historic range of variability: Lessons from boreal old-growth forests
Fraver, Shawn
- 14:40 Contribution of early post-disturbance stages to boreal forest biodiversity: perspectives on conservation and management
Kouki, Jari
- 15:00 Natural variability of boreal forest in north-eastern Fennoscandia: implications for management
Kuuluvainen, Timo
- 15:20 Changes in landscape-level forest structure and naturalness in the North Vidzeme Biosphere Reserve, Latvia (1930-2008)
Terauds, Aivars; Nikodemus, Olgerts; **Brumelis Guntis**
- 15:40 Natural range of variability, focal species' requirements and forest certification standards in Europe's boreal forest
Angelstam, Per; Roberge, Jean-Michel

- 15:20 Action versus result-oriented schemes: a dynamic modelling approach linking grazing and bird populations in a grassland agro-ecosystem
Sabatier, Rodolphe; Doyen, Luc; Tichit, Muriel
- 15:40 Female-biased mortality caused by anthropogenic nest loss contributes to population decline and to a shift in adult sex ratio of a meadow bird
Grüebler, Martin; Schuler, Heidi; Müller, Mathis; Spaar, Reto; Horch, Petra; Naef-Daenzer, Beat

14:00-16:00 Symposium – Biodiversity monitoring at European scale 2/2 Room: A IV

- 14:00 Volunteer Involvement in Biodiversity Monitoring
Bell, Sandra
- 14:20 Precision in biodiversity monitoring – the value of volunteers
Schmeller, Dirk; Henry, Pierre-Yves; Juillard, Romain; Gruber, Bernd; Clobert, Jean; Klaus, Henle
- 14:40 Precision of monitoring data and its implications for detecting trends
Nowicki, Piotr; Hovestadt, Thomas
- 15:00 Framework for integration of biodiversity monitoring in Europe
Henry, Pierre-Yves; Lengyel, Szabolcs; Nowicki, Piotr; Gruber, Bernd; Clobert, Jean; Celik, Tatjana; Schmeller, Dirk S.; Babij, Valerija; Juillard, Romain; Klaus, Henle
- 15:20 Where to conserve what: a new method to prioritize species conservation
Bauch, Bianca; Schmeller, Dirk; Gruber, Bernd; Lanno, Kaire; Budrys, Eduarda; Babij, Valerija; Juskaitis, Rimvydas; Zamnul, Marek; Varga, Zoltan; Klaus, Henle
- 15:40 Representativeness of endangered species in the European Natura 2000 network
Gruber, Bernd; Henle, Klaus; Bauch, Bianco; Schmeller, Dirk S.; Dziock, Frank; Henry, Pierre-Yves; Szabolcs, Lengyel; Seppelt, Ralf; Dormann, Carsten F.

14:00-16:00 Session – Conservation in a socio-economic context 2/2 Room: E I

- 14:00 Is the historical war against wildlife over in southern Europe?
Martínez-Abraín, Alejandro; Crespo, Jorge; Jiménez, Juan; Gómez, Juan Antonio; Oro, Daniel
- 14:20 The dynamics of human perceptions of wolves during a period of rapid social change: the cases of Macedonia and Kyrgyzstan
Lescureux, Nicolas; Linnell, John
- 14:40 Public support for large carnivore conservation in Macedonia – which challenges lie ahead?
Majic, Aleksandra; Melovski, Dime; Stojanov, Aleksandar; Ivanov, Gjorgje; Linnell, John
- 15:00 Is the recovery of the wolf (*Canis lupus*) population in Slovenia, after its legal protection in 1991 »too successful«?
Adamic, Miha; Jerina, Klemen
- 15:20 Public opinion polling is not human dimension research: Understanding public preferences toward wild boar management in central Italy
Frank, Beatrice; Bath, Alistair
- 15:40 Is it better a chicken today or a few euros tomorrow? Public preferences for compensation in Abruzzo, Lazio and Molise National Park
Glikman, Jenny Anne; Bath, Alistair

14:00-16:00 Session – Conservation at the science-policy interface 2/2 Room: E II

- 14:00 Evaluation and Quality Management in applied Conservation
Fischer, Frauke

- 14:20 Strengthening governance and financial sustainability of the national protected area system (Ukraine)
Gudkova, Nataliya
- 14:40 Biodiversity research for conservation in Maramures (Romania)
Lengyel, Peter
- 15:00 The Observatory of Mediterranean Wetlands
Beltrame, Coralie; Galewski, Thomas; Perennou, Christian; Grillas, Patrick; Chazee, Laurent
- 15:20 Professionalism – Why Lawyers Get Paid More Than Conservationists
Thompson, Jim; Reeves, Jason
- 15:40 Trans-boundary cooperation – an effective approach to conserve biodiversity along the Sava River (Bosnia and Herzegovina, Croatia, Serbia, Slovenia)
Vavrova, Lubomira; Erg, Boris

14:00-16:00 Session – Risk assessment and uncertainty 1/1

Room: **E III**

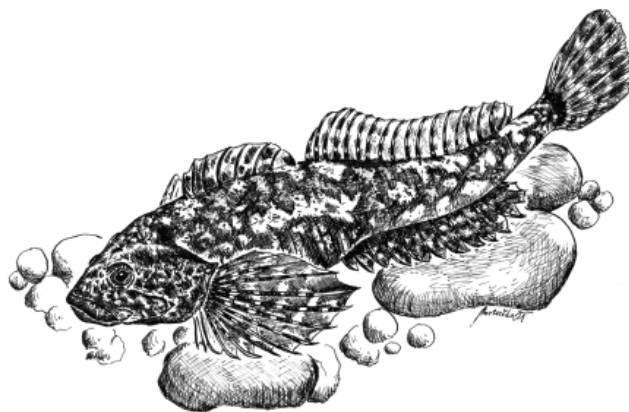
- 14:00 Data requirements for robust conservation risk assessments when using population models
Anderson, Kurt; Regan, Helen; Steyers, Andrew
- 14:20 Assessment of the population viability of Danube sturgeons in a VORTEX simulation model
Jaric, Ivan; Ebenhard, Torbjorn; Lenhardt, Mirjana
- 14:40 Effect of heavy metal concentration on species traits of ground beetle assemblages
Skalski, Tomasz; Laskowski, Ryszard
- 15:00 R.A.C.E.ing from Extinction: The emergence of the amphibian pathogen *Batrachochytrium dendrobatidis* across Europe and the EU BiodivERsA funded response
Garner, Trenton; Fisher, Matthew; Walker, Susan; Bosch, Jaime; Aanensen, David; Schmeller, Dirk; Miaud, Benedikt; Schmidt, Klaus; Henle, Frances, Clare
- 15:20 Discussion

14:00-16:00 Speed presentations session – Conservation genetics 1/1

Room: **A I**

- 14:00 Fishery-induced rapid evolution and fishing-gear adjustment in population management
Nusslé, Sébastien; Presi, Patrick; Wedekind, Claus
- 14:10 Strong male-biased dispersal and high level of gene flow in a peculiar terrestrial amphibian, the alpine salamander (*Salamandra atra*)
Helper, Véronique; Broquet, Thomas; Fumagalli, Luca
- 14:20 Genetic indices of vulnerability status of marble trout (*Salmo marmoratus* Cuvier) populations in river Neretva, Bosnia and Herzegovina
Kalamujic, Belma; Durmic-Pasic, Adaleta; Pojskic, Naris
- 14:30 High genetic differentiation among French populations of *Vipera u. ursinii* based on mitochondrial and microsatellite data implications for conservation
Ferchaud, Anne-Laure; Lyet, Arnaud; Cheylan, Marc; Arnal, Véronique; Baron, Jean-Pierre; Montgelard, Claudine; Ursenbacher, Sylvain
- 14:40 Mitochondrial DNA variation in *Boa constrictor*: recent continent-wide invasion or conservation matter?
Hynková, Ivana; Starostová, Zuzana; Frynta, Daniel
- 14:50 Discussion

SATURDAY 5th SEPTEMBER 2009



Cottus gobio

Graphics by Václav Bartuška

SATURDAY, September 05									
Location	SIC	AULA	A II	A III	A IV	E I	E II	E III	A I
9:00 - 10:00									
Plenary: PETR PYŠEK [SIC + AULA videoconference]									
10:00 – 10:30									
COFFEE BREAK									
10:30 – 12:30	SE 1/1 Fire ecology and management	SE 3/3 Climate changes and biodiversity	SY 1/2 Scavengers in a modern world	SY 1/3 Grassland insect conservation and diversity	Special session 1/1 People and protected areas	SE 1/1 Ecosystem services	SE 1/1 Scientists and managers: bringing the gaps	SY 1/2 Exotic species in nature reserves	SP 1/1 Freshwater ecology & Non-European countries
12:30 – 14:00	Education Committee SCB-ES Presentation 13:00 – 13:45	Spontaneous discussion slot 13:00 – 13:45	Spontaneous discussion slot 13:00 – 13:45		LUNCH TIME			WO Invasive species: key priorities 12:45 – 13:45	LUNCH TIME
14:00 – 16:00	SE 3/4 Forest ecology and management	SE 1/2 Recovery of endangered species	SY 2/2 Scavengers in a modern world & WO Scavengers	SY 2/3 Grassland insect conservation and diversity	SE 1/1 Freshwater and wetlands	SE 1/1 Economics of biodiversity	SE 1/2 Inventory and monitoring	SY 2/2 Exotic species in nature reserves	SP 1/1 Spatial ecology & Climate changes
16:00 – 16:30									
COFFEE BREAK									
16:30 – 18:30	SE 4/4 Forest ecology and management	SE 2/2 Recovery of endangered species		SY 3/3 Grassland insect conservation and diversity	SE 1/1 Marine biology and conservation	SE 1/1 Education and outreach	SE 2/2 Inventory and monitoring	SE 1/1 Ex-situ conservation	
18:30 – 19:00									
BREAK									
20:00 – 23:00									
Congress Banquet Dinner Strahov Monastery									

09:00-10:00 **Plenary session – Petr Pyšek**Room: **SIC + AULA**
videoconference**Plant invasions in protected areas: a conservation challenge?**

Biological invasions are among major threats to biodiversity worldwide, while protected areas are the foundation of national and international conservation initiatives and targets. This creates a natural conflict between invasions and biodiversity in protected areas. Most of our data on the patterns of distribution and impact of invasive plants come from non-protected “normal landscapes”, often heavily affected by humans, since this is where invasive plants are most common and spreading. However, there are data showing that protected areas are not safe from invasions by alien plants. Studies of alien species in nature reserves located in the Czech Republic, central Europe, have shown that the degree to which a reserve is invaded, depends on the altitude, type of protected vegetation, interactions with native species, and propagule pressure manifested through density of human population in the region. Reserves surrounded by protected landscape have significantly fewer alien species than those not located inside national parks or protected landscape areas. This finding has a practical relevance for issues associated with reserve establishment and design. Protected areas possess a “self-defending potential”, in terms of intrusion of alien plants; for example, natural vegetation in nature reserves in Central Europe acted as an effective barrier against the establishment of alien species; over a time scale of more than hundred years, it was more difficult for alien species to penetrate into protected areas than to spread in a non-protected landscape. In a similar vein, recent research indicates that intrusion of alien plants into Kruger National Park, South Africa, can be predicted using a limited number of characteristics of the surrounding landscapes. It will be discussed how such knowledge can be used to diminish the problem of plant invasions in protected areas.

10:30-12:30 **Session – Fire ecology and management 1/1**Room: **SIC**

- 10:30 Fire, landscape, and physical environment: A multiscale assessment of a complex relation
Torres, João; Gonçalves, João; Marcos, Bruno; Honrado, João
- 10:50 Restoration fire and wood-inhabiting fungi in a Swedish *Pinus sylvestris* forest
Olsson, Jörgen; Jonsson, Bengt Gunnar
- 11:10 Fire severity and early post-fire regeneration in natural broadleaved forest and pine stands after a wildfire
Proença, Vânia; Pereira, Henrique; Vicente, Luis
- 11:30 Post-fire response of the Greek endemic *Abies cephalonica* forests in Greece: the example of a NATURA 2000 site in Mt Parnitha National Park
Arianoutsou, Margarita; Christopoulou, Natassa; Ganou, Efi; Kokkoris, Yannis; Kazanis, Dimitris
- 11:50 Avian dynamics and conservation in Mediterranean landscapes affected by wildfires
Pere, Pons; Josep, Rost; Elena L., Zozaya; Miguel, Clavero; Sergi, Herrando; Lluís, Brotons
- 12:10 Vegetation change in the Enot Zukim Nature Reserve
Olsvig-Whittaker, Linda; Walczak, Margareta; Sabach, Amos; Dror, Eli

10:30-12:30 **Session – Climate change and biodiversity 3/3**Room: **AULA**

- 10:30 A new method for delineating vegetation boundaries for detecting shifts and comparing sites
Oborny, Beata; Gastner, Michael; Zimmerman, Daniel; Pruessner, Gunnar
- 10:50 Climatic and land use changes and their impact to distribution of Lepidoptera species in Estonia
Kuusemets, Valdo; Luig, Jaan; Kask, Kadri
- 11:10 Assessing climate change effects on butterfly abundance from weather data
WallisDeVries, Micihiel F.; Baxter, Wendy; Van Vliet, Arnold J.H.
- 11:30 Impacts of climate change on habitat associations of butterflies
Oliver, Tom; Tom, Brereton; Jane, Hill; Chris, Thomas; David, Roy
- 11:50 How important are climatic changes for water wintering birds in the Central Europe
Musil, Petr; Musilova, Zuzana; Haas, Milan

12:10 Using ancient DNA to resolve how populations respond to climate change
Dalen, Love; Angerbjörn, Anders; Arsuaga, Juan-Luis; Lister, Adrian; Götherström, Anders;
 Germonpre, Mietje; Barnes, Ian

**10:30-12:30 Symposium – Scavengers in a modern world: from top-predators’ Room: A II
 subsidies to carrion dumps 1/2**

Organisers: Nuria Selva & José Antonio Donázar

Carrion is becoming a rare element of European terrestrial ecosystems, in spite of scavenging being a widespread phenomenon and a keystone ecological process. This universal food resource (used by decomposers, insects and vertebrate scavengers) has often been neglected in conservation issues. However, the ecological implications of carrion consumption are complex and numerous. Carcasses may have effects on the surrounding soil and vegetation communities, the diversity of carrion beetles, the population dynamics of obligate scavengers, or the spatial behaviour of facultative scavengers and their life prey. On the other hand, scavengers provide an invaluable service to human societies: carcass and waste disposal.

Historically, top predators, such as wolves and lynx, and natural die-offs of wild ungulates have subsidized carrion-consumers. Additionally, scavengers have been linked for centuries to extensive cattle raising in Europe, especially in the Mediterranean region. More recently, the old tradition to leave livestock carcasses in small carrion dumps have been bringing enormous benefits to the populations of vultures and other birds of prey. But nowadays, top predators are absent from many areas in Europe and ungulate mortality may have been reduced by supplementary feeding practices, quite common during winter in northern latitudes, and disease controls. Thus, natural carrion is becoming scarce. Moreover, the Bovine Spongiform Encephalopathy (BSE) crisis led the European Commission to approve regulations and decisions which banned the abandonment of dead livestock on the field and imposed the destruction of animal carcasses. This has had detrimental effects not only on avian scavengers, but also on other species relying on carrion, like the brown bear. Afterwards, some EU Member States were allowed to establish some feeding stations for vultures, under strict controls. But these stations are not the perfect solution and additional problems have appeared. This “hygienic” approach has become a common practice after the BSE crisis and even in natural areas carcasses of wild ungulates start to be treated as risk material too.

Scientific evidence shows that the current management strategy has extremely negative consequences for the wild fauna and that there is an urgent need to improve it. On the other hand, there is a clear incompatibility between these regulations and the EU nature conservation Directives. The goals of this symposium are (1) to highlight the importance of carrion resources, both natural and human-provided, in the functioning of ecosystems and for the conservation of many species, ranging from carrion beetles, to brown bears; and, (2) bring together a multidisciplinary group of experts in the topic to provide recent scientific evidence and discuss the current situation and associated conservation problems. Ideally, the symposium will be followed by a workshop on the same topic.

10:30 The effects of scavenging on decomposition rates and the implications for forensic science
O’Brien, R. Christopher; Forbes, Sharp; Meyer, Jan; Dédour, Ian

10:50 Scavengers of lynx prey: from beetles to bears
Krofel, Miha

11:10 Wolves, scavengers and climate change
Wilmers, Christopher

11:30 Eurasian lynx as a provider of carrion in southeastern Norway: quantifying inputs and exploring impacts
Linnell, John; Teurlings, Ivonne; van Mil, Jan; Nilsen, E. B.; Melis, Claudia; Odden, John

11:50 Multi-agents modelling of the ecological service provided by vultures
Dupont, Hélène; Bobbé, Sophie; Sarrazin, Francois

12:10 The role of hunting activity in the conservation at the top-level of the ecosystem: game species and vultures
Patricia, Mateo-Tomas; P. Olea, Pedro

**10:30-12:30 Symposium – Promoting grassland insect conservation Room: A III
 and diversity 1/3**

Organisers: Nick Littlewood & Alan Stewart

Grasslands are an abundant land type globally and represent typical landscape elements of rural areas (e.g. mountain pastures, dry meadows). They comprise some of the most bio-diverse semi-natural habitats known and, through their role in agriculture, can be key to maintaining rural livelihoods. Agricultural practices are under multiple pressures to change. Semi-natural grasslands are at a risk from both the

intensification and abandonment of agricultural land use practices, particularly in the newly acceded European Union (EU) member states. Meanwhile climate change renders arid areas unproductive and rising global food prices exert ever stronger incentives towards maximising productivity elsewhere. These processes are changing the biodiversity of grasslands and the appearance of rural landscapes. Ecologists, therefore, need to engage with policy makers to investigate methods for the sustainable grassland management. Insects play a crucial role in grasslands. Aside from their intrinsic value, insects provide unique services in the form of nutrient cycling and pollination. They are highly effective environmental indicators (due to their rapid response to climatic and management changes) and provide food for birds and other predators. However, insect biodiversity may be declining even more rapidly than that of vertebrates and plants. This may have particularly serious consequences for grassland biodiversity and for sustainable agricultural production.

The symposium presents research ranging from mechanisms with wide-ranging application to specific management case studies. The underlying theme is to promote insect conservation and research as an integral part and product of sustainable grassland management.

- 10:30 How does grassland management affect the arthropod diversity at different scales? – examples from an Eastern and a Western European country
Batáry, Péter; Báldi, András; Tschantke, Teja
- 11:10 Diversifying grasslands using parasitic plants: effects on the associated insect fauna
Stewart, Alan; Massey, Fergus; John, Libby; Press, Malcolm; Hartley, Sue
- 11:30 Analysis of urban arthropod communities on different spatial scales reveal ecological information hidden by robust species richness measures
Sattler, Thomas; Duelli, Peter; Obrist, Martin K.; Bontadina, Fabio; Arlettaz, Raphaël; Moretti, Marco
- 11:50 Conservation of grassland insect diversity at multiple scales
Marini, Lorenzo; Fontana, Paolo; Gaston, Kevin J.; Battisti, Andrea
- 12:10 Relations between landscape structure, human impact and insect diversity
Diaz Forero, Isabel

10:30-12:30 Special session – People and protected areas 1/1

Room: **A I**

Organisers: Kim Beazley & Bhaskar Vira

- 10:30 The Case for Integrated Management in Four European Wetlands
Bell, Sandra
- 10:50 Re-orienting biodiversity governance in Romania: towards participation in conservation and protected area management
Stringer, Lindsay; Paavola, Jouni
- 11:10 Pastoralism and Protected Areas: from Mongolia to the Global Pastoralists' Movement.
Upton, Caroline
- 11:30 Whose Animals? The Politics of Power in Tanzanian Community Based Wildlife Management
Humphries, Kathryn
- 11:50 Move us out of the forest. We are not interested in conservation! An Examination of Local Attitudes towards Conservation and Nature in Rural India
Beazley, Kim
- 12:10 Discussion

10:30-12:30 Session – Ecosystem services 1/1

Room: **E I**

- 10:30 Protecting the alliance for zero extinction global biodiversity conservation priority sites will also provide valuable human well being benefits
Larsen, Frank Wugt; Turner, Will; Brooks, Thomas

- 10:50 Agricultural intensification affects the contribution of functional enemy groups to biocontrol services across Europe
Hänke, Sebastian; Gagic, Vesna; Flohre, Andreas; Fischer, Christina; Thies, Carsten; Bengtsson, Jan; Bommarco, Ricardo; Ceryngier, Piotr; Clement, Lars W.; Christopher, Dennis
- 11:10 Conserving biodiversity and ecosystem services by market oriented methods
Seják, Josef; Pokorný, Jan; Cudlín, Pavel
- 11:30 Assessing ecosystem services through plant traits distribution in a context of agricultural land abandonment
Queiroz, Cibele; Lindborg, Regina; Pereira, Henrique
- 11:50 Frugivorous birds as suppliers of seed dispersal service in temperate ecosystems: seeding through the whole landscape?
García, Daniel; Zamora, Regino; Amico, Guillermo C.
- 12:10 The urban environment: quantifying ecosystem services at the neighbourhood scale
Radford, Kathleen; James, Philip

10:30-12:30 Session – Scientists and managers: bridging the gaps 1/1

Room: **E II**

- 10:30 Getting to a long-term sustainable conservation strategy: what part does power have to play?
Evely, Anna; Fazey, Ioan; Lambin, Xavier; Pinard, Michelle
- 10:50 Is a group of conservation biology experts good enough to write a successful large carnivore management plan?
Bath, Alistair
- 11:10 Conservation of cave-dwelling bat species: resemblance and differences through the experience of a LIFE-Nature project in Natura 2000 sites
Némoz, Mélanie; **Aulagnier, Stéphane**
- 11:30 Biodiversity assessment as a tool for Park planning and monitoring. Presentation of two case studies in North Italy
Tattoni, Clara; Preatoni, Damiano G.; Mustoni, Andrea; Martinoli, Adriano; Tosi, Guido
- 11:50 Animal biodiversity of Lower Morava Biosphere Reserve and its conservation
Chytil, Josef; Schlaghamerský, Jiří
- 12:10 Successful large-scale habitat restoration for threatened amphibians in Estonia
Rannap, Riinu; Lõhmus, Asko; Briggs, Lars

10:30-12:30 Symposium – Exotic species in nature reserves 1/2

Room: **E III**

Organisers: W. L. M. Tamis & Rob Leewis

Exotic species are one important part of biological pollution of our planet. The other part is the genetic pollution by introduction of foreign populations, e.g. the re-introduction of threatened species. In this symposium the focus is on exotic species. A number of exotic species exhibit an invasive and aggressive behaviour and these are considered an important threat to biodiversity and to ecosystem services. Most exotic species can be found in disturbed, anthropogenic habitats, like urban and agricultural areas. Only a minority of exotic species manage to colonize more natural habitats, a.o. nature reserves. Some exotic species have been introduced a very long time ago, so most people seldom acknowledge these exotic species as a threat, but sometimes even as a valuable part of the ecosystem. One example is the exotic large, yellow-flowered Evening primroses (*Oenothera spec.*) from North-America are considered by many people, including biologists and nature conservationists, as a valuable addition to the indigenous flora of the dunal areas in the Netherlands. Other exotic species have been purposely planted at a large scale for forestry goals in natural areas, and some of these species showed very strong expansions, like the Rum cherry (*Prunus serotina*), White poplar (*Populus alba*), and the Townsend's Cordgrass (*Spartina x townsendi*). Only a minor number of other exotic species have managed to invade the natural areas or nature reserves. In this symposium the presence and history of exotic species in nature reserves throughout Europe, the effects of these exotic species on the native species and on the ecosystem and the management of exotic species in nature reserves are presented and discussed. Why are some exotic species highly valued and present on the national

Red Lists? Why are there so few exotic species present in natural areas in comparison with urban and agricultural areas? Do these exotic species in nature reserves have other characteristics than those in non-natural areas? How much do we actually know of effects on native biodiversity, and these effects being adequately monitored? And how to manage invasive exotic species in nature reserves, without damaging the present natural values and landscapes? These are some of the questions to be treated during this symposium.

- 10:30 Management of the Black Cherry (*Prunus serotina*) in the dunal region in the Netherlands
Ehrenburg, Antje; Oosterbaan, Bernard; Mourik, Joop; Van der Hagen, Harpie; Terlouw, Leon
- 10:50 Long-term population dynamics of *Prunus serotina* in natural forests on sandy soils
Vanhellemont, Margot; Verheyen, Kris; Hermy, Martin
- 11:10 Chokeberry (*Aronia spec.*), an invasive species in the marshlands of The Netherlands?
Wil L. M., Tamis
- 11:30 *Rosa rugosa*, an invasive species in the coastal dunes of Germany
Maile, Isermann; Anna, Jürgens; Martin, Diekmann; Ingo, Kowarik
- 11:50 Defending the boundaries: the threat to coastal dunes of invasive exotics from adjacent gardens
Edmondson, Sally
- 12:10 A review of alien species in the National Parks of Austria
Rabitsch, Wolfgang; Esek, Franz

**10:30-12:30 Speed session presentation – Freshwater and wetland ecology Room: A I
& Biodiversity and conservation in Non-European countries 1/1**

- 10:30 Limno-Ecological Changes of Kovada Lake National Park (Isparta, Turkey) and Its
Conservational Problems
Gülle, Iskender; Yildirim, M. Zeki; Kesici, Erol; Kebapci, Umit; Gülle, Pinar
- 10:40 The importance of spring areas for the biodiversity of invertebrates in oligotrophic
catchment
Kubíková, Lucie; Fricová, Kamila; Simon, Ondřej
- 10:50 Genetical survey and conservation of the latest *Littorella uniflora* L. (Aschers.) population
of the Geneva Lake (Switzerland)
Lambelet, Catherine; Krause, Jan; Naciri, Yamama; Richter, Tobias
- 11:00 Movement of heavy metals among environment, mucoid egg capsules and tadpoles
of the agile frog, *Rana dalmatina*
Šebková, Kamila; Vojar, Jiří; Kotíková, Zora; Miholová, Daniela
- 11:10 Optimising survey effort for amphibians in Luxembourg: more monitoring or more
methods?
Wood, Laura R.; Griffiths, Richard A.
- 11:20 Discussion
- 11:30 Impact of agroforestry systems on biodiversity conservation in Peruvian Amazon
Krausova, Jitka; Lojka, Bohdan; Kubík, Štěpán
- 11:40 Actions towards the conservation and knowledge of the endangered-endemic river turtle
Podocnemis lewyana in Colombia
Vargas-Ramírez, Mario; Catano-Mora, Olga Victoria
- 11:50 Carnivore v people conflict: the maned wolf (*Chrysocyon brachyurus*) in the southeast
of Brazil
Consorte-McCrea, Adriana; Nicholls, Michael; Rubin, Rona
- 12:00 Study of social behaviour and communication of the Philippine tarsier using radio-
telemetry and bioacoustic methods and implication for conservation
Petrů, Milada; Knotková, Ema; Peške, Lubomír; Aure, Bonn; Escabi, Carla
- 12:10 Discussion

13:00-13:45 Presentation of Education Committee SCB-ESRoom: **SIC**

Organisers: Education Committee of SCB-ES

The aim of this informal meeting is to present the aims and the actual work done in the EC of SCB-ES.

12:45-13:45 Workshop - Invasive species: key priorities for science, policy and practiceRoom: **E III**

Organisers: Helen Bayliss & Nicola Randall

Goals: To identify key priorities for invasive species research across Europe; To identify the factors affecting the use of research on invasive species by policy makers and practitioners; To form new collaborations and networks for future work.

Invasive species are an important global issue due to their ecological and economic impacts. Control, prevention and costs to industry are estimated to run to billions of dollars each year. Many ecosystem services are affected by invasive species, in particular biodiversity, a key policy driver across Europe. Recently, much work has been carried out to facilitate the sharing and evaluation of current information relating to invasive species in Europe, such as DAISIE and the Biological Invasions module of ALARM. The effects of climate change and other anthropogenic impacts may lead to increasing problems from invasive species as occupiable ranges shift and community dynamics change.

In order to understand, control and mitigate against invasive species during this time of global change, additional information is required. It is important that policy makers, practitioners and researchers are all involved in the process of identifying information needs and shaping the research agenda for invasive species. To be of real value, resulting research evidence must be able to influence policy makers and ultimately conservation practitioners, and its impact be assessed.

Due to the many mainly anthropogenic effects impacting on the global environment, scope for future research on invasive species is wide, and may consider control and monitoring of existing invasives, as well as Identification of, and mitigation against, potential future invasive species. In this workshop we will discuss the key priorities for invasive species research across Europe and whether these are being met through existing research activity. We also aim to identify factors which affect the uptake of research evidence by policy makers and practitioners, whilst providing an informal networking opportunity for anyone with an interest in invasive species.

13:00-13:45 Spontaneous discussion slotRoom: **AULA****13:00-13:45 Spontaneous discussion slot**Room: **A II****14:00-16:00 Session – Forest ecology and management 3/4**Room: **SIC**

14:00 Management concept for restoring floodplain forests combining ecological and hydraulic modelling

Leyer, Ilona; Mosner, Eva; Schneider, Sandra; Lehmann, Boris

14:20 Sustainable forest management and protection in Lower Danube Floodplain

Iovu Adrian, Biris; Nicolae, Donita; Mihai, Filat; Marius, Petrita; Constantin, Rosu; Cristina, Munteanu

14:40 Conservation and Management of Floodplain Forests in the Czech Republic

Machar, Ivo

15:00 Conserving terrestrial biodiversity in lakeshore forests: characteristics and width of the riparian ecotone

Komonen, Ate

15:20 Inventory shows that logging and river regulation threaten the north-western-most population of the ant *Liometopum microcephalum* (Panzer, 1798)

Schlaghamerský, Jiří

- 15:40 Doomed while thriving: Cessation of traditional woodland management and extinction debt of saproxylic organisms in central Europe
Čížek, Lukáš; Hauck, David

14:00-16:00 Session – Recovery of endangered species 1/2

Room: **AULA**

- 14:00 Burrow entrance angle and grass height influence translocation success in the European ground squirrel (EGS)
Gedeon, Csongor; Boross, Gabor; Nemeth, Andras; Vaczi, Oliver; Altbäcker, Vilmos
- 14:20 Reintroduction of the European ground squirrel (*Spermophilus citellus*) in central Europe – a review
Matějů, Jan; Ambros, Michal; Kala, Borys; Hapl, Ervín; Kepel, Andrzej; Hulová, Štěpánka
- 14:40 Bringing it back from the brink - a programme for the recovery of the Balkan lynx
Trajče, Aleksander; von Arx, Manuela; Ivanov, Gjorgi; Linnell, John; Melovski, Dime; Mersini, Kujtim; Schwaderer, Gabriel; Spangenberg, Annette; Stojanov, Aleksandar; Breitenmoser, Urs
- 15:00 The Status of Leopard in Turkey, 2000-2008
Can, Ozgun Emre; Lise, Yildiray; Koban, Evren; Cetin, Turan; Kurdoglu, Oguz; Bucak, Faruk
- 15:20 Reintroduction of endangered goitered gazelle (*Gazella subgutturosa*) and Anatolian mouflon (*Ovis gmelinii*) in Turkey: a genetic evaluation
 Kayim, Mehmet; Kankilic, Tolga; Gurler, Sukru; **Ozut, Deniz**; Kence, Meral; Bozkaya, Faruk; Kence, Aykut
- 15:40 Measures for recovery of the Soft-mouth trout (*Salmothymus obtusirostris*) in Croatia
Duplic, Aljosa; Marcic, Zoran; Caleta, Marko; Zanella, Davor; Mustafic, Perica; Buj, Ivana; Brigic, Andreja; Mrakovcic, Milorad

14:00-15:00 Symposium – Scavengers in a modern world: from top-predators' subsidies to carrion dumps 2/2

Room: **A II**

- 14:00 Effects of carcasses and carrion dumps on the local environment and communities
Selva, Nuria; Cortés-Avizanda, Ainara; Donázar, José Antonio
- 14:20 Modelling the impact of feeding stations on the foraging behaviour of endangered avian scavengers
 Deygout, Chloé; Duriez, Olivier; **Sarrazin, François**; Bessa-Gomes, Carmen
- 14:40 Scavenger guild structure and predictable resources: the effects of carcass aggregation at vulture restaurants
 Donázar, José Antonio; **Cortés-Avizanda, Ainara**; Carrete, Martina

15:00-16:00 Workshop – Scavengers in a modern world: from top-predators' subsidies to carrion dumps

Room: **A II**

Organisers: Nuria Selva & José Antonio Donázar

Scientific evidence shows that the current management strategy has extremely negative consequences for the wild fauna and that there is an urgent need to improve it. On the other hand, there is a clear incompatibility between these regulations and the EU nature conservation Directives. The goals of the symposium on the same topic were (1) to highlight the importance of carrion resources, both natural and human-provided, in the functioning of ecosystems and for the conservation of many species, ranging from carrion beetles, to brown bears; and, (2) bring together a multidisciplinary group of experts in the topic to provide recent scientific evidence and discuss the current situation and associated conservation problems. Ideally, the symposium will be followed by a workshop on the same topic. The workshop pretends to (1) examine and discuss in more detail the issues related to the conservation of scavengers and scavenging process; (2) set the basis to establish a working group on scavengers; and, (3) draw out conclusions and formulate conservation measures and proposals for a sensible management of carrion resources in order to inform policy makers. It is important to come out with strong conclusions about European sanitary regulations, which may have very detrimental consequences for biodiversity.

14:00-16:00 Symposium – Promoting grassland insect conservation and diversity 2/3 Room: **A III**

- 14:00 Contrasting success in the restoration of plant and phytophagous beetle assemblages of species rich mesotrophic grasslands
Woodcock, Ben A.
- 14:40 Is the decline in European bumblebee diversity driven by loss of species-rich grasslands?
Goulson, Dave
- 15:00 Restoration of machair grassland for the conservation of rare bumblebee species
Redpath, Nicola; Beaumont, Dave; Park, Kirsty; Goulson, Dave
- 15:20 Can riparian arthropod biodiversity be maintained or enhanced on managed grassland?
Stockan, Jenni; Young, Mark; Langan, Simon
- 15:40 Managing urban meadows for Insect biodiversity
Venn, Stephen; Manninen, Sirkku

14:00-16:00 Session – Freshwater and wetland ecology 1/1 Room: **A IV**

- 14:00 Threatened and protected fishes of Slovakia
Koščo, Ján
- 14:20 A detective's guide to solving ecological mysteries: conservation implications of multiple impacts on riverine fish communities of Czech Republic
White, Seth M.; Jurajda, Pavel; Zahrádková, Světlana
- 14:40 Feeding ecology of white-tailed sea eagles (*Haliaeetus albicilla*) in Northern Germany
Nadjafzadeh, Mirjam; Krone, Oliver
- 15:00 Tufa spring protection status in the Central Eastern Alps with special reference to the desmid *Oocardium stratum*, a frequently overlooked key element
Rott, Eugen; Hotzy, Ralf; Cantonati, Marco
- 15:20 Of shrimps and men. 15 years of crustacean conservation in Austria - success and setbacks
Eder, Erich; Hödl, Walter
- 15:40 Restoration of wetlands in southern Iraq
Vymazal, Jan; Richardson, Curtis J.

14:00-16:00 Session – Economics of biodiversity 1/1 Room: **E I**

- 14:00 Joint option values of ecosystem services
Jacobsen, Jette Bredahl; Thorsen, Bo Jellesmark; **Strange, Niels**
- 14:20 The cost-effectiveness of managing Natura 2000 sites: An exploratory study for Finland, Germany, the Netherlands and Poland
Mewes, Melanie; Wätzold, Frank; van Apeldoorn, Rob; Varjopuro, Riku; Chmielewski, Tadeusz Jan; Veeneklaas, Frank; Kosola, Marja-Leena
- 14:40 The use of biodiversity valuation as a part of environmental management accounting
Hajek, Miroslav; Pulkrab, Karel
- 15:00 An economic valuation of marine biodiversity: a multi-case contingent study
Ressurreicao, Adriana; Gibbons, James; Dentinho, Tomaz; Kaiser, Michel; Edwards-Jones, Gareth; Zarzycki, Tomasz; Bentley, Charlotte; Burdon, Daryl; Atkins, Jonathan; Austen, Melanie
- 15:20 A new methodology to calculate compensation for otter damages in the Czech Republic
Poledník, Lukáš; Poledníková, Kateřina; Kranz, Andreas; Hlaváč, Václav
- 15:40 Discussion

14:00-16:00 Session – Inventory and monitoring 1/2Room: **E II**

- 14:00 Pattern of biodiversity changes along a habitat degradation gradient
Andreas, Michal; Míkovcová, Alena; Romportl, Dušan; Vávrová, Eva; Vlasáková, Blanka
- 14:20 How much systematics do we need in order to predict species richness?
Kallimanis, Athanasios; Mazaris, Antonios; Tzanopoulos, Joseph; Sgardelis, Stefanos; Pantis, John
- 14:40 Problems and solution in assessing and monitoring plant species richness in reserve networks
Bacaro, Giovanni; Rocchini, Duccio; Landi, Sara (**Chiarucci, Alessandro**)
- 15:00 Vegetation change in Swiss mires within 5 years: Results of the Swiss Mire Monitoring program
Küchler, Meinrad; Ecker, Klaus; Graf, Ulrich; Feldmeyer-Christe, Elizabeth; Bedolla, Angéline; Küchler, Helen
- 15:20 Contribution of multi-source remote sensing data to predictive mapping of plant indicator gradients within Swiss mire habitats
Ecker, Klaus
- 15:40 Accuracy of Classification of Remotely Sensed Data in Vegetation Mapping Process – A Case Study of Croatia
Peternel, Hrvoje; Kušan, Vladimir; Antonić, Oleg; Pernar, Renata; Jelaska, Sven

14:00-16:00 Symposium – Exotic species in nature reserves 2/2Room: **E III**

- 14:00 Impact of alien crayfish species on conservation of native crayfish in the Czech Republic
Petrusek, Adam; Kozák, Pavel; Ďuriš, Zdeněk; Horká, Ivona; Buřič, Miloš; Kozubíková, Eva
- 14:20 Introductions of amphipod crustaceans and consequences for native communities in the north-western Russia
Berezina, Nadezhda
- 14:40 The relentless tide of introduced alien species into the Wadden Sea
Reise, Karsten
- 15:00 Invasive Species do not ask for green cards: How can biological invasions be regulated BY European conservation legislation and policy?
Klingenstein, Frank
- 15:20 Discussion

14:00-16:00 Speed presentations session – Spatial ecology and conservation & Climate change and biodiversity 1/1Room: **A I**

- 14:00 Assessing clustering algorithms in utilizing environmental variables as surrogates of community diversity
Kaya, Banu; Bilgin, Cemal Can
- 14:10 The role of woodland key habitats as part of functional reserve network
Laita, Anne; Mönkkönen, Mikko; Kotiaho, Janne
- 14:20 Spatial use and habitat selection by white-tailed eagles (*Haliaeetus albicilla*) in northern Germany
Scholz, Friederike; Krone, Oliver
- 14:30 Change in accuracy of distributional range modelling for restricted-range plants with different sample sizes
Beton, Damla; Bilgin, C. Can

- 14:40 Effects of wild boar rooting in transient and permanent seed banks at Pyrenean grasslands (Spain)
Bueno, C. Guillermo; Reiné, Ramón; Gómez-García, Daniel; Alados, Concepción L.
- 14:50 Discussion
- 15:00 Predictive models of habitat and species richness based on climatic and landscape variables
Drakou, Evangelia; Kallimanis, Athanasios; Mazaris, Antonios; Pantis, John
- 15:10 Apparent benefits of global changes on a raptor species: from raw data to real effects
Gillis, Hanneke
- 15:20 Physiological and morphological variation among *Eucalyptus wandoo* Blakely provenances from contrasting environments
Dalmaris, Eleftheria; Veneklaas, Erik; Poot, Pieter
- 15:30 Spider diversity and agricultural intensification in cacao agroforestry in Sulawesi, Indonesia
Stenchly, Kathrin; Clough, Yann; Tschantke, Teja
- 15:40 Discussion

16:30-18:30 Session – Forest ecology and management 4/4

Room: **SIC**

- 16:30 Linking substrate and habitat requirements of wood-inhabiting fungi to their regional extinction vulnerability in southern Finland
Berglund, Håkan; Hottola, Jenni; Penttilä, Reijo; Siitonen, Juha
- 16:50 The biodiversity of canopy arthropods in a range of forest types in Ireland
Martin, Rebecca; Oxbrough, Anne; Kelly, Thomas C.; Irwin, Sandra; O' Halloran, John
- 17:10 Fuzzy logic applications in estimation of the productivities of forest trees for forestless lands
Ozkan, Kursad
- 17:30 Soil seed bank is of little relevance for the restoration of overgrazed sub-Mediterranean pasture woods
Chaideftou, Evgenia; Thanos, Costas; Bergmeier, Erwin; Kallimanis, Athanasios; Dimopoulos, Panayotis
- 17:50 Cross-taxon congruence to address conservation actions in Mediterranean old growth forest
Marignani, Michela; Rosati, Leonardo; Blasi, Carlo
- 18:10 Preserving natural reserves in Europe: managing exotic ungulates and livestock to sustain bird & plant communities
Díaz, Leticia; Miranda, María; Sicilia, Marisa; Cassinello, Jorge

16:30-18:30 Session – Recovery of endangered species 2/2

Room: **AULA**

- 16:30 Passive management and natural dynamics allow recovery of saproxylic beetles in a former commercial forest
Müller, Jörg; Noss, Reed F.; Bussler, Heinz; Brandl, Roland
- 16:50 The conservation requirements of an endangered hoverfly, *Hammerschmidtia ferruginea* (Diptera, *Syrphidae*) in the British Isles
Rotheray, Ellen
- 17:10 Towards evidence-based management of endangered butterflies: case study from Órség National Park, Hungary
Szentirmai, Istvan

- 17:30 Identifying the effectiveness of nest-site provisioning in the endangered lesser kestrel (*Falco naumanni*)
Catry, Ines; Franco, Aldina; Sutherland, William J.
- 17:50 Survival estimates of the reintroduced of European black vulture (*Aegypius monachus*) in France: a comparison of release methods
Mihoub, J. Baptiste; Prince, Karine; Duriez, Olivier; Lecuyer, Philippe; Eliotout, Bertrand; Sarrazin, François
- 18:10 Vultures and windmills: Do they fly at the same height? The case of the endangered Eurasian Black Vulture (*Aegypius monachus*) in Thrace, NE Greece
Vasilakis, Dimitris; Akriotis, Triandaphyllos

16:30-18:30 Symposium – Promoting grassland insect conservation and diversity 3/3

Room: **A III**

- 16:30 Local and regional factors affecting insect diversity in Finnish grasslands
Pöyry, Juha
- 17:10 Grazing management influences moth community structure on a Scottish upland estate
Littlewood, Nick A.
- 17:30 Enhancing the ecological diversity of *Carabidae* (Coleoptera) in riparian margins
Cole, Lorna; McCracken, Davy; Robertson, Duncan; Harrison, Billy
- 17:50 The influence of hay production practices on the butterfly fauna of Romanian subalpine meadows
Huband, Sally; McCracken, Davy
- 18:10 Land-use and socioeconomics: the current situation and prospects for butterflies in the hay and grazing meadows of the Picos de Europa, northern Spain
Dover, John; Rescia, Alejandro; Fungarino, Sara; Fairburn, Jon; Carey, Peter; Lunt, Paul; Arnot, Charlie; Lang; Andreas

16:30-18:30 Session – Marine biology and conservation 1/1

Room: **A IV**

- 16:30 Evaluating Trends in Global Biodiversity: The status of fish and crayfish
Dewhurst, Nadia
- 16:50 Where and when: identifying key marine areas for the conservation of the vulnerable Wandering Albatross *Diomedea exulans*
Louzao, Maite; Barbraud, Christophe; Delord, Karine; Weimerskirch, Henri
- 17:10 Coastal and Marine Priority Areas for conservation based on biodiversity valuation: Azores case study
Botelho, Andrea; Costa, Ana; Pérez-Ruzafa, Angel; Calado, Helena
- 17:30 Prioritizing fishery management for loggerhead turtle (*Caretta caretta*) conservation in the northern Adriatic Sea from reproductive value analysis
Lazar, Bojan; Heppell, Selina
- 17:50 The red coral case study: the decline of animal forests in the Mediterranean sea
Rossi, Sergio; Tsounis, Georgios
- 18:10 Valuation of marine biodiversity loss. Application of biological and economic valuation approaches. Gulf of Gdansk – case study.
Zarzycki, Tomasz; Ressurreição, Adriana; Kamińska, Ilona; Karwowska, Katarzyna; Łądkowska, Hanna; Gibbons, James; Dentinho, Tomaz; Szaniawska, Anna

16:30-18:30 Session – Education and outreach 1/1Room: **E I**

- 16:30 A new educational target in conservation: people from whom you would not buy a used car
Massa, Renato; Ramsey, Andrew; Dieterich, Martin; Gilchrist, Peter; Kati, Vassiliki
- 16:50 Stimulating interdisciplinarity and innovation in design solutions for wildlife conservation
Root-Bernstein, Meredith; Ladle, Richard
- 17:10 Prague Zoo and The EAZA European Carnivore Campaign
Hauznerová, Marta
- 17:30 A large survey shows that emotion hence field experiences are essential to stimulate pupils to protect local biodiversity
Ballouard, Jean Marie; Bonnet, Xavier; Ajtic, Rastko; Brito, Jose; Crnobrnja-Isailovic, Jelka; EIMouden, Hassan; Halpern, Halpin; Pleguezuelos, Juan Miguel; Prokov, Pavol; Uşak, Muhammed
- 17:50 The environmental education in the Western Derby eland conservation programme in Senegal
Kolackova, Karolina; Svitalek, Jan; Hejzmanová, Pavla; Antoninová, Markéta
- 18:10 CHANCE puts current scientific research data into the hands of teachers and students
McLaughlin, Jacqueline; Besong, Patrick; Fadigan, Kathleen

16:30-18:30 Session – Inventory and monitoring 2/2Room: **E II**

- 16:30 Monitoring butterfly abundance
Pellet, Jérôme; Parietti, David; Gander, Antoine
- 16:50 First estimation of Eurasian lynx (*Lynx lynx*) density in Germany using digital cameras and capture-recapture techniques
Weingarth, Kirsten; Zimmermann, Fridolin; Knauer, Felix; Heurich, Marco
- 17:10 Estimating the population size of the Balkan lynx in the Mavrovo National Park, Macedonia, by means of camera-trapping
Stojanov, Aleksandar; Melovski, Dime; Ivanov, Gjorge; Trajçe, Aleksandër; Linnell, John; Zimmermann, Fridolin; von Arx, Manuela; Breitenmoser, Urs
- 17:30 Challenges for Greater Spotted Eagle (*Aquila clanga*) conservation in the Biebrza Valley
Takacs, Viktoria; Maciorowski, Grzegorz; Mizera, Tadeusz
- 17:50 Many year birds arrival terms in Ukraine and their changes
Serebryakov, Valentyn
- 18:10 Long-term monitoring of herons' colonies in protected areas (reservations) of Ukraine
Bondarchuk, Yuriy; Serebriakov, Valentyn

16:30-18:30 Session – Ex-situ conservation 1/1Room: **E III**

- 16:30 Genetic consequences of captive breeding programs for endangered species
Witzenberger, Kathrin A.; Hochkirch, Axel
- 16:50 Male's sexual ornaments reflect fertility and survival of their progeny: Application to captive breeding and reintroduction
Saint Jalme, Michel; Chargé, Rémi; Hingrat, Yves; Sorci, Gabriele
- 17:10 Iberian Lynx Conservation Breeding Program: A Multidisciplinary Approach
Vargas, Astrid; Rivas, Antonio; Martínez, Fernando; Sánchez, Iñigo; Godoy, Jose Antonio; Roldán, Eduardo; Serra, Rodrigo; Perez, Maria José; Simón, Miguel Angel; Aymerich, Miguel
- 17:30 Attractivity to humans as a ticket to the Noah's Ark: What species composition and population size of zoo animals can tell us?
Frynta, Daniel; Marešová, Jana; Landová, Eva; Lišková, Silvie; Šimková, Olga; Tichá, Irena; Zelenková, Michaela; Fuchs, Roman

17:50 The Western Derby eland conservation: How to put the science to practice?
Hejmanová, Pavla; Koláčková, Karolína; Antonínová, Markéta; Svitálek, Jan

18:10 Conservation measures for rare and endangered *Malus sylvestris* in Flanders (Belgium)
based on genetic and phenotypic data
Vander Mijnsbrugge, Kristine

19:30-23:00 Congress Banquet Dinner (optional)

Location: **Strahov Monastery**

Enjoy an evening amongst colleagues with a memorable fine dining experience accompanied by the music. The rustically styled restaurant is located on one of the seven hills on which Prague was built, in the area of Strahov Monastery. A gourmet dinner will be served, with entertainment for our guests.

LIST OF POSTERS BY TOPIC

POSTER SESSION WILL BE HELD ON FRIDAY, SEPTEMBER 04, 16:30 - 18:30
IN ROUND HALL AND CLUB C



Picus viridis

Graphics by Václav Bartuška

ALIEN AND INVASIVE SPECIES

- P001 **Invasive plant species management tests in Southern Belgium**
Delbart, Emmanuel; Halford, Matthieu; Pieret, Nora; Vanderhoeven, Sonia; Mahy, Grégory
- P002 **Is Argentine ant invasion hampering reproductive foliage-gleaning resources?**
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