

Phylogeography and Conservation of Postglacial Relicts

Luxembourg, October 18-20 2007

Convener

National Museum of Natural History Luxembourg (MNHN)

Partners

BfN – German Federal Agency for Nature Conservation

IUCN – World Conservation Union

CRP – Centre de Recherche Public Gabriel Lippmann

Ministère de l'environnement Luxembourg

Universität Lüneburg

Universität Trier

SNL – Société des naturalistes luxembourgeois

With the support of

FNR - Fonds national de la recherche Luxembourg

Ministry of Culture, Higher Education and Research

Of interest to

- Scientists with the main focus on phylogeography and biogeography of the Western Palaearctis
- Scientists involved in conservation ecology/biology and genetics
- Managers from public organisations and freelancers charged with conservation concepts
- Representatives of NGOs, revealing in the protection of endangered species
- Students

Theme

Sustainable development and the conservation of biological diversity have become a major topic for science and politics since the Rio Convention in 1992. One of the key objectives of the convention is the conservation of inter- and intraspecific variability across the globe. Current diversity patterns are strongly influenced by both historic effects such as ice ages, and recent effects such as land management. Of particular importance in this context is the understanding and conservation of postglacial relict species, which give key information on the distribution of genetic diversity in today's world. Therefore, the proposed meeting will focus on relict species in the context of biodiversity protection

Relict populations usually suffer more severely from environmental stochasticity than non-relict populations. This situation has recently changed to the worse due to anthropogenic landuse changes resulting in increasing fragmentation and decreasing habitat sizes. As a consequence, the numbers and sizes of many relict populations have decreased as well, often combined with the loss of genetic diversity and reduced individual fitness. To stop and finally reverse this development, numerous conservation efforts have been introduced, for example the Habitats and Birds Directives in the European Union.

This meeting will provide a platform for scientists to discuss the phylogeography of species and their conservation management. Population biology and phylogeography are crucial for the conservation of relict species and their genetic diversity. The meeting provides a unique opportunity in bringing together representatives from natural sciences and applied conservation management. This combination will enable participants to develop new ideas on how to manage these endangered populations of major importance.

List of topics and speakers

Thursday, 18.10.2007

14.00h, opening conference office in the CCRN

14.00h, all participants of the Symposium have free entrance for the MNHN-Luxembourg

Time	Section	Topic	Referent	Chairman
18.45		Address of welcome	Jan Habel, Tanja Walisch	Jan Habel
19.00-20.00		Phylogeography – a tool for the understanding of relict species' history	John Avise (Keynote)	
20.00-23.30		Welcome party in the MNHN	Marc Meyer	

Friday, 19.10.2007

Time	Section	Topic	Referent	Chairman
9.00	Continental species	Extra-Mediterranean refuges, post-glacial vegetation history and area dynamics in Eastern Europe	Zoltan Varga (Keynote)	Guy Colling
9.45		Relicts and speciation in neotropical butterflies	James Mallet	
10.05		Phylogeography and demographic history of <i>Atherina presbyter</i> (Pisces: Atherinidae) in the North-eastern Atlantic based on mitochondrial DNA	Sara Francisco	
10.25		Conservation and management of the habitats of two relict butterflies in the Belgian Ardenne: <i>Proclissiana eunomia</i> and <i>Lycaena helle</i>	Philippe Goffart, Camille Turlure	
10.45		Coffee break & poster session		
11.15			The Book of Invasions: Phylogeography of pygmy shrews (<i>Sorex minutus</i>) in Ireland and Europe	Alan McDevitt, Victor Rambau, Tom J. Hayden, Glenn Yannic, Jeremy B. Searle
11.35		Living on the northern margin - effects on genetics and morphology in two <i>Coenonympha</i> butterflies	Anna Lundhagen, Thomas Schmitt, Joachim Besold, Niklas Wahlberg, Sören Nylin, Toomas Tammaru	
11.55		Genetic admixture of palearctic and nearctic burbot lineages in northern North America	Kathryn Elmer, Matthias Sanetra, Axel Meyer	
12.15		Molecular and phytosociological insight into postglacial relicts <i>Lathyrus pannonicus</i> and <i>Oxytropis pilosa</i>	Matthias Schlee, Guido Grimm, Markus Göker, Wilhelm Sauer, Vera Hemleben	
12.35		lunch		
14.30	Mediterranean species	Phylogeographic patterns within the Mediterranean region	Michael Veith (Keynote)	Zoltan Varga
15.15		Glacial relicts and post-glacial invasions of Central European reptiles	Ulrich Joger	
15.35		Cave beetles as postglacial relicts	Ruxandra Bucur	
15.55		The origin of the tortoises (<i>Testudo marginata</i>) introduced by man in Sardinia	Mélanie Perez, Marie-Catherine Boisselier, Josie Lambourdière, S. Soubzmaigne, Sarah Samadi, Roger Bour	
16.15		Coffee break & poster session		

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16.45		Diversification in the Mediterranean: A phylogeographic analysis of the genus <i>Oedipoda</i> , Latreille 1829	Axel Hochkirch, Yvonne Görzig	Diethart Matthies
17.05		The postglacial colonisation of northern Europe - relicts to relicts	NN	
18.25- 19.05	Alp. S.	Tracing range shifts in the southern European mountain ranges: examples from arctic-alpine plants and from <i>Androsace</i> sect. <i>Aretia</i> (Primulaceae)	Peter Schönswetter (Keynote)	

Saturday, 20.10.2007

Time	Section	Topic	Referent	Chairman
9.00	Alpine Species	Biogeography and relict status of alpine species	Thomas Schmitt (Keynote)	Alfried Vogler
9.45		Multiple glacial refuges of unwinged ground beetles in Europe – molecular data support classical phylogeographic models	Claudia Drees, Jan Habel, Werner Härdtle, Andrea Matern, Goddert von Oheimb, Thomas Reimann, Thorsten Assmann	
10.05		Oviposition electivity in two co-occurring blue butterflies (<i>Polyommatus eros</i> and <i>P. escheri</i>) in subalpine pastures of the Spanish Pyrenees	Thomas Fartmann	
10.25		Relicts of the cold past – arctic-alpine disjunct arthropods in Europe	Christoph Muster	
10.45		Coffee break & poster session		
11.15		Comparative phylogeography of two montane leaf beetles in Europe	Patrick Mardulyn	John Avise
11.35		What factors limit the habitat selection by alpine relict butterflies? Genus <i>Erebia</i> in Sudetan Mts. (Czech Republic and Poland)	Martin Konvicka, Thomas Schmitt, Jiri Benes	
11.55		Phylogeographic analyses of a boreal-temperate ectomycorrhizal basidiomycete, <i>Amanita muscaria</i> , suggest multiple forest refugia in Alaska during the Last Glacial Maximum	József Geml	
12.15		ESUs, MUs and species concepts – how many species do we need?	Alfried Vogler (Keynote)	
13.00			lunch break	
14.30	Conservation Biology	The intriguing state of some postglacial relict plant populations reaching the northern border of their geographical range – conservation concepts	Jan Cerovsky (Keynote)	Michael Veith
15.15		Conservation genetics and phylogeography of the threatened Corsican and Barbary red deer (<i>Cervus elaphus corsicanus</i> and <i>C. e. barbarus</i>)	Frank Zachos	
15.35		Conservation of the grey bush cricket <i>Platycleis albopunctata</i> (Orthoptera: Tettigoniidae) under differing habitat conditions: implications from an individual-based model	Eva Maria Griebeler	
15.55		Differentiation between and within refugia; What does the genetics of relict species tell us about their conservation?	Gabriel Nève	
16.15		Coffee break & poster session		
16.45		Linking genetics and ecology: reconstructing the history of relict populations of <i>Carabus variolosus</i>	Andrea Matern, Konjev Desender, Claudia Drees, Eva Gaublomme, Alfried Vogler, Thorsten Assmann	Philippe Goffart
17.05		A new method for the estimate of the size of small isolated and threatened animal populations: the case of the relict <i>Triturus alpestris inexpectatus</i> in southern Italy	Alain Dubois, Annemarie Ohler	
17.25		break		
18.00- 19.00	Panel Discussion	Conserving relict species for generations – under the impact of climate change	Jan Cerovsky James Mallet John Avise Markus Quante	Thorsten Assmann

Organisation and scientific committee (alphabetic order)

Thorsten Assmann (Universität Lüneburg)
Petra Dieker (Universität Münster)
Jan Habel (MNHN Luxembourg)
Joachim Kosuch (Universität Trier)
Marc Meyer (MNHN Luxembourg)
Christian Ries (MNHN Luxembourg)
Thomas Schmitt (Universität Trier)
Tanja Walisch (MNHN Luxembourg, SNL Luxembourg)

Conference venue

The conference location is the Abbey of Neumünster called 'Centre culturel de rencontre Abbaye de Neumünster' (CCRN). It is located in the UNESCO World heritage area in the Alzette valley overlooked by the old town of Luxembourg. It includes three buildings of which the oldest goes back to the XVIIth century, surrounding a vast square. The rich past of this historic building and the multicultural vocation of Luxembourg are major topics of the CCRN. Meetings, debates, creations, spectacles, conferences, seminars, exhibitions and receptions are organized to promote the dialogue of cultures. With European networks and in partnership with many cultural institutions from different backgrounds, the CCRN favours the exchange of experiences and contributes to transnational cooperations between actors of different cultural origins.

The CCRN is close to the Museum of Natural History at the heart of Luxembourg-city

Accommodation

Each participant has to book him-/herself an accommodation (except for the people presenting an oral keynote-communication). A list of hotels in Luxembourg will be proposed by the organizer (see accommodation on our website www.symposium.lu/relicts). Early booking is recommended.

Registration

For registration please use the registration form on the conference homepage and send it electronically.

Costs

Reduced fees will apply to students of all member states and to scientist from new member states of the European Union. The conference fee will be according to the time of registration; deadline for early booking is the 1st July 2007.

	early booking	late booking
Full price	65 €	75 €
Reduced price	30 €	35 €

This fee includes admittance to conference sessions, conference documents including abstract volume, welcome party, lunch and coffee breaks.

Payment

Before you pay, send your registration form. Please pay the conference fee in Euro and free of charge by transfer to account n°

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Luxembourg, L-1090 Luxembourg',
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Please use the conference abbreviation (relicts 2007) as the payment identification.

Currency

The Luxembourg monetary unit is the Euro (EUR, €).

Cancellation

Cancellations have to be sent in writing to the conference secretariat via Email (Janchristianhabel@gmx.de). Your payment will be refunded (minus bank costs of the transfer).

Secretariat contact

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