

Standing Committees for

- Life, Earth and Environmental Sciences (LESC)
- Social Sciences (SCSS)

ESF Exploratory Workshop on

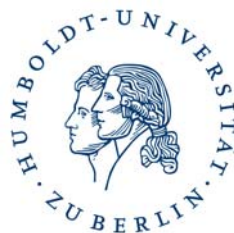
Europe's Green Backbone – Post-Socialist Land use Change in The Carpathian Region (EuCaRe)

Berlin, Germany, 8 – 10 October 2008

**Convened by:
Patrick Hostert**

Geography Department, Humboldt-Universität zu Berlin

Co-sponsored by





The European Science Foundation (ESF) is an association of 77 Member Organisations devoted to scientific research in 30 European countries. The Mission of ESF is to provide a common platform for its Member Organisations in order to advance European research and to explore new directions for research at the European level. Through its activities, the ESF serves the needs of the European research community in a global context.

The main objectives of ESF for the years 2006-2010 as defined by its current *Strategic Plan* are to promote Science Strategy and Science Synergy, paving the way for initiatives across disciplinary and geographic boundaries in the European Research Area (ERA).

The Exploratory Workshops scheme is one of the key instruments of the Science Strategy “pillar”. Each year, ESF supports approximately 50 Exploratory Workshops across all scientific domains. The focus of the scheme is on workshops aiming to explore an emerging and/or innovative field of research or research infrastructure, also of interdisciplinary character. Workshops are expected to open up new directions in research or new domains. It is expected that a workshop will conclude with plans for specific follow-up research activities and/or collaborative actions or other specific outputs either within the frame of ESF (e.g. prepare the ground to develop a [Forward Look](#), a [Research Networking Programme](#) or a [EUROCORES](#) proposal; publication of a Policy Briefing...) or for submission to the EU 7th Framework Programme or to other European or international funding organisations.

European Science Foundation

1 quai Lezay Marnésia
BP 90015
67080 Strasbourg Cedex
France
Fax: +33 (0)3 88 37 05 32
<http://www.esf.org>

ESF Exploratory Workshops:

Nina Kancewicz-Hoffman
Scientific Coordinator

Valerie Allspach-Kiechel
Senior Administrator
Tel: +33 (0)3 88 76 71 36

Isabelle May
Administrator
Tel: +33 (0)3 88 76 71 46

Email: ew-office@esf.org
<http://www.esf.org/workshops>

Convenor:

Patrick Hostert

patrick.hostert@geo.hu-berlin.de

Tel: +49 30 2093 6805

Fax: +49 30 2093 6848

Humboldt-Universität zu Berlin

Geomatics Lab

Geography Department

Unter den Linden 6

10099 Berlin

Local organiser:

Sebastian van der Linden

sebastian.linden@geo.hu-berlin.de

Tel: +49 30 2093 6872

Fax: +49 30 2093 6848

Main Objectives of the Workshop:

The EuCaRe Workshop targets to contribute to a better understanding of human-environmental systems in a currently understudied region of Eastern Europe – the Carpathian Mountains.

The fall of the Iron Curtain brought about substantial changes in the region's socio-economic and institutional structures. This triggered widespread land use changes which in turn affected local livelihoods, biodiversity, and the provision of ecosystem services. Moreover, today's land use decisions are affected by global climate change, globalization, and the accession of some countries to the European Union, and cannot be analyzed without considering land use legacies from centuries of historic land use. While this renders the Carpathians a complex land use system, analyzing this system also has tremendous potential to give novel insights in human-environment relationships and on the drivers and outcomes of land use change in a biodiversity hotspot. Advancing land system science in the Carpathians therefore requires a diverse and holistic approach, focusing on land use and its drivers, biodiversity, and cultural dimensions alike.

In the EuCaRe Workshop, we bring together leading regional and international experts from the fields of land change science, sustainability science, geography, biodiversity research, remote sensing, and spatial modeling. We want to define the state-of-the-art in land system analyses in the Carpathians and bridge the gap between different disciplines and stakeholders to define a research agenda of land change science for the Carpathians. The outcomes of this workshop will be published in a peer-reviewed international journal, possibly *Regional Environmental Change*. The workshop can also be a starting point for developing joint project ideas.

PRELIMINARY PROGRAMME

Wednesday 8 October 2008

Arrival

18.30-20.00 **Icebreaker** (with possibility to register)
CUM LAUDE - Universitätsstraße 4 – Berlin Tel: +49 30 2082883

Thursday 9 October 2008

08.45-09.00 Registration

09.00-09.15 **Opening Session**, **Patrick Hostert** (Convenor), **Michael Linscheid**
(Vice President – Research, Humboldt-Universität zu Berlin)

09.15-09.30 **Presentation of the European Science Foundation (ESF)**
Reinhart Ceulemans (Standing Committee for Life, Earth and
Environmental Sciences) and **Bogdan Mach** (Standing Committee for the
Social Sciences)

09.30-11.00 **Framework of the Workshop**
Moderation: Eric Lambin (Univ. Louvain, Belgium)
Land change science: Anette Reenberg (Univ. Copenhagen, Denmark)
The Carpathian Ecoregion: Anna Guttova (CERI, Slovakia), **Marine
Elkabidze, Ivan Kruglov** (both: Univ. Lviv, Ukraine)

11.00-11.15 *Coffee break*

11.15-13.00 **Biodiversity**
Moderation: Wolfgang Cramer (PIK, Germany)
**Biodiversity in European Mountains and Eastern Europe: Per
Angelstam** (Swedish Univ. of Agricultural Sciences), **Astrid Björnsen**
(MRI, Switzerland), **Jan-Erik Petersen** (EEA, Denmark)
**Biodiversity, nature conservation and protected areas in the
Carpathians: Lubos Halada** (Slovak Academy of Sciences, Slovakia),
Kajetan Perzanowski (Univ. Lublin, Poland), **Mihai Zotta** (ROMSILVA,
Romania)

13.00-14.00 *Lunch*

14.00-15.45 **Monitoring**
Moderation: Patrick Hostert (Humboldt-University Berlin, Germany)
Monitoring Land Change: Achim Röder (Univ. Trier, Germany), **Thomas
Udelhoven** (Centre Gabriel Lippmann, Luxembourg)
**Carpathian Land Use Change (incl. historic perspective and forest
transitions): Jacek Kozak** (Univ. Krakow, Poland), **Tobias Kuemmerle**
(Univ. Wisconsin – Madison, USA)

15.45-16.15 *Coffee break*

16.15-18.00 **Analyzing drivers of land system change**
Moderation: Tobias Kuemmerle (Univ. Wisconsin – Madison, USA)
Strategies and approaches: Eric Lambin (Univ. Louvain, Belgium)
Eastern Europe and the Carpathians: Daniel Müller (IAMO,
Germany)

18.00-18.15 **Closing**

19.15-20.00 transfer to dinner

20.00-22.30 *Dinner*

Friday 10 October 2008

08.30-10.15 **Future scenarios**

Moderation: **Daniel Müller** (IAMO, Germany)

The land use perspective: **Jörg Priess** (CESR, Germany), **Peter Verburg**
(Wageningen Univ., The Netherlands)

The climate perspective: **Wolfgang Cramer** (PIK, Germany)

10.15-10.30 *Coffee break*

10.30-12.00 **Data collection and availability**

Moderator: **Jörg Priess** (CESR, Germany)

Marek Baranowski (UNEP-GRID, Poland), **Marc Zebisch** (EURAC, Italy)

12.00-13.00 *Lunch*

13.00-15.00 **Synthesis and planning of future collaborative research activities:**

Moderator: **Patrick Hostert** (Humboldt-University Berlin, Germany)

Discussion: **all participants**

15.00-15.30 *Coffee break*

15.30-17.30 **Synthesis and planning of future collaborative research activities
(continued)**

17.30-18.00 **closing session**

18.00 End of workshop

European Science Foundation

Objectives of the ESF Standing Committee for Life, Earth and Environmental Sciences (LESC)

The main objectives of the **ESF Standing Committee for Life, Earth and Environmental Sciences (LESC)** are:

1. to identify and promote emerging scientific topics and high quality science deserving special attention in Europe;
2. to manage a wide ranging portfolio of activities of the European Science Foundation;
3. to examine and report on issues of strategic scientific importance within its fields of competence.

This committee's sphere of activities comprises the broad field of life, earth and environmental sciences:

- Biology
- Biotechnology
- Agriculture
- Earth sciences
- Climate research
- Glaciology
- Oceanography
- Environmental sciences, etc.

ESF Standing Committees support a limited number of **Exploratory Workshops** each year. These workshops allow leading European scientists to explore novel ideas at the European level with the challenging aim to "*spearhead*" new and preferably interdisciplinary areas of research. Further details are available on the internet at <http://www.esf.org/workshops>.

One desirable outcome of an ESF Exploratory Workshop may be that participants submit **high quality proposals for further ESF activities** (such as "[à la carte Programmes](#)" or a EUROCORES initiative), or **research funding applications** for submission to the EU 7th Framework Programme or to other European or international funding organisations.

In the case of **ESF Programmes** ("[à la carte](#)" or [EUROCORES](#)), which are financed by, and coordinated through, the European Science Foundation, a draft proposal should be submitted to the LESC Secretariat for advice, to then subsequently undergo further external refereeing. If successful in obtaining LESC's scientific recommendation, the proposal will be submitted to ESF Member Organisations for funding on a voluntary basis. More details are available at <http://www.esf.org/research-areas/life-earth-and-environmental-sciences.html>.

ESF Life, Earth & Environmental Sciences Unit:

Arja Kallio

Head of Unit

Astrid Lunkes

Science Officer

Bernard Avril

Science Officer

Jane Swift

Senior Administrator

Celine Seewald

Administrator

Tel: +33 (0)3 88 76 71 29

Email: lesc@esf.org

<http://www.esf.org/lesc>

European Science Foundation

Objectives of the ESF Standing Committee for Social Sciences (SCSS)

The mission of the **ESF Standing Committee for Social Sciences (SCSS)** is as follows:

- to promote high quality social science research at the European level;
- to bring 'added value' to nationally funded research through European collaboration between ESF Member Organisations;
- to help support innovative research ideas and approaches emanating from the scientific community, and
- to play an institutional role in strengthening European social science research infrastructure.

ESF Social Sciences Unit:

Balasz Kiss

Head of Unit - Senior Scientific Secretary

Frank Kuhn

Scientific Secretary

Rhona Heywood

Senior Administrative Assistant

Céline Quedrue

Administrative Assistant

Tel: +33 (0)3.88.76.71.42

Email: cquedrue@esf.org

<http://www.esf.org/social>

Provisional List of Participants

Convenor:

1. **Patrick HOSTERT**
Geomatics Laboratory
Mathematical - Science Faculty II
Institute of Geography
Humboldt-Universität zu Berlin
Unter den Linden 6
10099 Berlin
Germany
Patrick.Hostert@geo.hu-berlin.de

6. **Astrid BJÖRNSEN GURUNG**
Institute of Geography
University of Berne
Mountain Research Initiative (MRI)
Erlachstrasse 9
Trakt 3
3012 Bern
Switzerland
bjoern@giub.unibe.ch

ESF Representative:

2. **Reinhart CEULEMANS**
Department of Biology
University of Antwerpen
Universiteitsplein 1
Wilrijk
2610 Antwerpen
Belgium
Reinhart.Ceulemans@ua.ac.be

3. **Bogdan MACH**
Institute of Political Studies
Polish Academy of Sciences
Polna 18/20
00-625 Warsaw
Poland
bmach@isppan.waw.pl

7. **Wolfgang CRAMER**
Climate Impacts and Vulnerabilities
Potsdam Institute for Climate Impact
Research (PIK)
Postfach 601203
14412 Potsdam
Germany
Wolfgang.Cramer@pik-potsdam.de

8. **Marine ELBAKIDZE**
Department of Physical Geography
Ivan Franko National University
Doroshenko str. 41
79020 Lviv
Ukraine
marine.elbakidze@smsk.sl.u.se

9. **Anna GUTTOVA**
Daphne - Institute of Applied Ecology
Carpathian Ecoregion Initiative - Slovakia
Podunajska 24
821 06 Bratislava
Slovak Republic
guttova@daphne.sk

Participants:

4. **Per ANGELSTAM**
School for Forest Engineers
Swedish University of Agricultural
Sciences (SLU)
Box 43
739 21 Skinnkatteberg
Sweden
Per.Angelstam@smsk.sl.u.se

5. **Marek BARANOWSKI**
Environmental Information Centre
UNEP GRID
ul. Sobieszynska 8
00-764 Warsaw
Poland
grid@gridw.pl

10. **Lubos HALADA**
Institute of Landscape Ecology
Slovak Academy of Sciences
Akademicka 2
P.O.Box 23B
949 01 Nitra
Slovak Republic
lubos.halada@savba.sk

11. **Jacek KOZAK**
Department of Geographical Information Systems, Cartography and Remote Sensing
Institute of Geography and Spatial Management
Jagiellonian University
ul. Gronostajowa 7
pok. 3.42
30-387 Kraków
Poland
jkozak@gis.geo.uj.edu.pl
12. **Ivan KRUHLOV**
Physical Geography
Faculty of Geography
Ivan-Franko National University of L'viv
ul. P. Doroshenka 41
79000 L'viv
Ukraine
ikruhlov@gmail.com
13. **Tobias KUEMMERLE**
Forest Ecology and Management
University of Wisconsin-Madison
119 Russell Laboratories
1630 Linden Drive
Madison WI 53706
United States
tobias.kuemmerle@geo.hu-berlin.de
14. **Eric LAMBIN**
Department of Geography
University of Louvain
3, place Pasteur
1348 Louvain-la-Neuve
Belgium
lambin@geog.ucl.ac.be
15. **Daniel MÜLLER**
Structural Development of Farms and Rural Areas
Leibniz Institute for Agricultural Development of Central and Eastern Europe
Theodor-Lieser-Str. 2
06120 Halle
Germany
mueller@iamo.de
16. **Kajetan PERZANOWSKI**
Applied Ecology
Catholic University of Lublin
Konstantynow 1H
20-708 Lublin
Poland
stacjakarpacka@miiz.waw.pl
17. **Jan-Erik PETERSEN**
Project Manager Agriculture and Environment
European Environment Agency
Kongens Nytorv 28
1050 Copenhagen K
Denmark
Jan-Erik.Petersen@eea.europa.eu
18. **Jörg PRIESS**
Universität Kassel
CESR
Kurt-Wolters-Str. 3
34109 Kassel
Germany
priess@usf.uni-kassel.de
19. **Anette REENBERG**
Geografisk Institut
Københavns Universitet
Øster Voldgade 10
1350 København K
Denmark
ar@geogr.ku.dk
20. **Achim RÖDER**
Remote Sensing Geography
Geo Sciences
University of Trier
Fachbereich VI
54286 Trier
Germany
roeder@uni-trier.de
21. **Thomas UDELHOVEN**
Environment et Agro-biotechnologies,
Geomatic Platform
Centre de Recherche Public (CRP) -
Gabriel Lippmann
41, rue du Brill
4422 Belvaux
Luxembourg
udelhove@lippmann.lu
22. **Sebastian VAN DER LINDEN**
Geography Department
Geomatics Laboratory
Humboldt-Universität zu Berlin
Unter den Linden 6
10099 Berlin
Germany
sebastian.linden@geo.hu-berlin.de
-

ESF Exploratory Workshops

23. **Peter VERBURG**
Environmental Sciences
Wageningen University
Building 101, Droevendaalsesteeg 3
6700 AA Wageningen
Netherlands
Peter.Verburg@wur.nl
24. **Marc ZEBISCH**
Institute for Applied Remote Sensing
European Academy (EURAC)
Bolzano Drususallee
Viale Druso, 1
39100 Bozen/ Bolzano
Italy
remote.sensing@eurac.edu
25. **Mihai ZOTTA**
ROMSILVA Protected Areas Departement
Magheru 21
Sector 1
010325 Bucharest
Romania
mzotta@pcrai.ro

IM/11.09.2008