International Workshop: NATO/CCMS Pilot Study on the Use of Landscape Sciences for Environmental Assessment

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St. Petersburg, Russia, 3-6 July 2006
Research Center for Interdisciplinary Environmental Cooperation
Russian Academy of Sciences
MEETING AGENDA

International Workshop: NATO/CCMS Pilot Study on the Use of Landscape Sciences for Environmental Assessment

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Sunday, July 2nd, 2006  Arrival to St. Petersburg of Participants

20:00  Informal Reception  (INENCO Center)

Monday, July 3rd, 2006  (INENCO Center Auditorium)

08:30  Registration

Greeting addresses by host organization:

09:00  Director of INENCO Center – Yury Pykh
09:05  Coordinator of International Programs - Irina Malkina-Pykh
09:10  Director of Research, Workshop Local Organizer - Gennady Menzhulin
09:20  Introduction of the Pilot Study – William Kepner
09:30  Tasks of the Workshop: Conceiving a Strategy for the Use of Landscape Sciences for the Assessment of Environmental Security – Felix Mueller

Landscape and Human Ecology of the St. Petersburg Region

09:50  Using the Remote Sensing Data on Vegetation Indices as the Numerical Predictors in the Statistical Models of Landscape Productivity: Case Studies for US and Russian Agricultural Landscapes – Gennady Menzhulin (INENCO), Felix Kogan (US NOAA), Gleb Peterson (INENCO), and Sergey Savvateyev (SPb University)

10:10  Illustrated Thesaurus as a Tool for Landscape Research in Coastal Zones – Sergey Victorov (Research Institute of Space and Aerological Methods)

10:30  Numerical Modeling of Energy and Matter Transport in Complex Landscapes – Andrey Sogachev (Helsinki University)

10:50  Coffee Break

11:30  Integrated Landscape Diagnostics of Vegetation Stress; Measurement Techniques and Remote Sensing Models – Vladimir Surin (INENCO) and Eugheny Kuvaldin (Vallilov Institute of Optics)
11:50 Influence of Catchment Land Cover on Phosphorus Balance for Large Freshwater Systems – Sergey Kondratjev (Institute of Limnology)

12:10 Lunch Break

Reports from National Projects

Landscape Science Methodology

14:00 Remote sensing in environmental assessment of reindeer pastures: case studies from Finland and Russian Arctic - Kumpula et al. FIN, GER

14:20 Investigating landscape pattern in protected areas using satellite images - Nedkov et al. BUL

14:40 Environmental assessment and landscape management: On the relation of pareto efficiency and optimum land use pattern for habitat suitability – Seppelt and Holzkamper GER

15:00 A class of metrical correlations organizing land structure – Tiknius et al. LIT

15:20 Development of automatic GPS services for assisting environmental assessment and human security - Swiatek et al. POL

15:40 Landscape Character – an UK based example to assess landscapes – Haines-Young and Potschin UK

16:00 Coffee Break

Watershed Analyses

16:30 A cross-European landscape assessment – Jones et al. USA

16:50 A landscape assessment of Oregon with a future scenarios analysis of the Willamette River Basin - Kepner et al. USA

17:10 Biotic structure of a catchment as a key for protection and insurance of ecosystem services - Krauze et al. POL

17:30 Environmental Security and Landscape Risk Assessment in Yantra Basin - Nikolova et al. BUL

17:50 Adjourn

18:00-19:00 First Meeting of the Editorial Board for the Final Report
**Tuesday, July 4th, 2006**  
(INENCO Center Auditorium)

**Reports from National Projects continued**

**Human-Environmental Problems**

09:00  Socio-ecological indicators in representative cultural landscapes – the example of a new Biosphere Area in South-Germany - Lenz et al.  
GER

09:20  Social Ecological Risks and Security of Human Environment (exemplified by regions of Central Russia) - Rudsky et al.  
RUS

GER

10:00  Fostering security of ecosystem services as given by both objective and subjective analyses - Petrosillo et al.  
ITA

10:20  A short outline of the demographic part of the final report – Swiaczny et al.  
GER

10:40  The assessment of habitation indicators using GIS conclusive remarks on Transylvanian Plain - Baciu et al.  
ROM

11:00  **Coffee Break**

11:20  Progress report about the Norwegian landscape monitoring programme - Fjelstadt et al.  
NOR

11:40  Landscape, demographic developments, biodiversity and sustainable land use strategy: a case study on Karaburun Peninsula Izmir, Turkey – Nurulu et al.  
TUR

12:00  **Lunch Break**

**Reports from National Projects continued**

**Regional Case Studies**

14:00  Diversity of anthropogenic transformation of Georgia’s natural landscapes - Sopadze et al.  
GEO

14:20  Environmental security in a panarchy of socio-ecological systems as signalled by disturbance patterns at multiple scales - Zurlini et al.  
ITA

14:40  Unanticipated Benefits from Research: Landscape Ecology and Sustainability in Bulgaria – Knight and Staneva  
USA; BUL

15:00  Human-environmental Systems Indicators within Integrated Coastal Zone Management - Burkhard et al.  
GER

15:20  Environmental impact assessment; a case study of the Copsa Mica area, Romania – Buzila et al.  
ROM

15:40  Nuclear Safety and its impact on the level of environmental security in Ukraine – Kuznetsov et al.  
UKR
16:00  *Coffee Break*

16:30  News regarding gold exploitation in Rosia Montana - Lazarescu et al.  ROM

16:50  University level education on GMES in Latvia - Zagars et al.  LAT

17:10  **Beginning Discussion of the Final Report for NATO/CCMS**

17:30  *Adjourn*

18:00-19:00  *Second Meeting of the Editorial Board for the Final Report*

**Wednesday, July 5th, 2006**  (INENCO Center Auditorium)

  **Discussion of the Final Report and Future Cooperation**

09:00  Organizing the Final Report – Petrosillo, Kepner, and Mueller

11:00  *Coffee Break*

11:30  Potential for Future Cooperation and Projects – Everyone

12:00  Concluding Remarks – Kepner and Mueller

12:20  *Lunch Break*

14:00  *Cultural Excursion* (St. Petersburg Square)

18:30  *Final Banquet* (St. Petersburg House of Scientists)

**Thursday, July 6th, 2006**  Private Cultural Excursions & Individual Departures

**Potential Meeting of the Editorial Board for the Final Report** (INENCO Center or Hotel Russ Lobby)