Fit for catching ecosystem change

EnvEurope & LTER-Europe

ROME

November 26th-29th, 2013
CNR - National Research Council

EnvEurope Final Conference
in conjunction with
the LTER-Europe
Annual Conference

Information:
www.enveurope.eu
www.lter-europe.net
Monday 25th November
14:30 - 19:00
CNR, Room Marconi

EnvEurope Plenary Coordination Meeting (only internal)

14:30-15:30
- Welcome address (A. Pugnetti, CNR, Italy)
- Presentation of the EnvEurope/LTER-Europe week (A. Pugnetti, CNR, Italy; M. Mirtl, EEA, Austria)
- Action 7 (technical and financial issues): activity report, final steps and general evaluation from Coordination (A. Pugnetti, CNR, Italy; C. Boccafogli, Aster, Italy)

15:30-18:00
Activity Report from the Actions: final steps, general evaluation, what is left to LTER-Europe

15:30-16.00
- Action 8 - Project Monitoring (K. Krauze, ERCE, Poland)
- Action 6 - Dissemination (D. Sani, Aster, Italy)

16:00-16:15 –Coffee Break

16:15-18:00
- Action 2 - Harmonization (M. Frenzel, UFZ, Germany)
- Action 5 - Testing in the field (G. Matteucci, CNR, Italy)
- Action 1 – Information management (J. Peterseil, EAA, Austria)
- Action 3 – Scientific analysis (M. Adamescu, UniBuc, Romania)
- Action 4 – Network design (A. Campanaro, CFS-CNBF & University of Rome, Italy)

18:00-19:00 Final Toast
CNR, Room Convegni
EnvEurope Final Conference

Results of EnvEurope and LTER-Europe future challenges

9:00-10:00 – Registration

10:00-10.30 Welcome addresses
  • President of National Research Council of Italy
  • Head of national Forest Service of Italy
  • President of Aster

10:30-10:45
Welcome remarks from Life+ officers

10:45-11:00
Presentation from the Italian Ministry of Environment (t.b.c.)

11:00-11:30 – Coffee Break

11:30-12:00
Setting the scene: LTER-Europe as framework for EnvEurope (M. Mirtl, EAA, Austria, Chair of LTER-Europe)

12:00-12:05
EnvEurope Video

12:05-12:35
Life+ EnvEurope: overview and outcomes in the context of LTER-Europe (A. Pugnetti, CNR-ISMAR, Italy, Coordinator of Life + EnvEurope)

12.35-13.00
Crosscut of interlinked work and results of EnvEurope actions (M. Frenzel, UFZ, Germany)

13.00-14:00 - Buffet Lunch at CNR
CNR, Room Convegni
Requirements and expectations towards an integrated infrastructure for ecosystem and socio-ecological research in Europe

14:00-14:15
Taking over from EnvEurope: Status and challenges of LTER as global player in the European Research Area (M. Mirtl, EAA, Austria)

14:15-14:30
LTER-Europe as part of the European contribution to the Global Earth Observing System of Systems (GEOSS/GEOBON) (Christoph Häuser, EUBON Coordinator, MfN Berlin, Germany)

14:30-14:45
Towards an integrated infrastructure for ecosystem and socio-ecological research in Europe to support the EU 2020 Biodiversity Strategy and Mapping and Assessment of Ecosystems and Services (MAES) (Anne Teller, EC, DG Environment)

14:45-15:00
BioDiversa: Status, requirements and interrelations with LTER-Europe (F. Lemaitre, Biodiversa, France)

15:00-15:15
Sister networks: LTER-Europe as infrastructure for biodiversity and ecosystem services research in ALTER-Net (E. Furmann, SYKE, Finland)

15:15-15:30
Experimental ecosystem research infrastructures and LTER-Europe: Interfaces and synergies with AnaEE (F. Miglietta, CNR-IBIMET/RIC-FEM, Italy)

15:30-15:45
Interactions and synergies between the in-situ infrastructure LTER-Europe and LifeWatch (W. Los, LifeWatch Co-ordinator, UvA, The Netherlands)

15:45-16:00
LTER-Europe as user for common European IT infrastructure and services as developed by EUDAT (S. De Witt, EUDAT, STFC, United Kingdom)

16:00-16:30 Coffee Break

16:30-16:45
Mutual relevance of long-term ecosystem research and monitoring in forests. The example of forest monitoring in Europe with an overview on North America and Asia (N. Cools, INBO, Belgium).

16:45-17:00
LTER-Europe as ground truthing information source for COPERNICUS (S. Zlebir, EEA, European Environment Agency, Slovenia, t.b.c.)

17:00-17:05
European Platform on Biodiversity Research Strategy (EPBRS): Key messages for LTER-Europe as a pan-European research infrastructure for in-situ long-term biodiversity and ecosystem research (Statements by Jurgen Tack, EPBRS, presented by t.b.d.)

17:05-18:00
PANEL DISCUSSION

20:30 – Social Dinner
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Site level research</td>
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<tr>
<td>9:00-9:20</td>
<td>Stability and resilience in coastal copepod assemblages: The case of the Mediterranean long-term ecological research at LTER-Italy site MC (Gulf Naples). (M.G. Mazzocchi, SZN, Italy)</td>
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<td>9:20-9:40</td>
<td>Developing concepts about the functioning of coastal ecosystems in a changing world: the unique value of long-term investigations illustrated by the example of the Darss-Zingst Bodden (H. Schubert, UniRostock, Germany)</td>
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<td>9:40-10:00</td>
<td>The Arctic Long-Term Deep Sea Observatory in eastern Fram Strait at 79°N/4°E: An overview and highlights from multidisciplinary research activities (E. Bauerfeind, Alfred-Wegener-Institut, Germany)</td>
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<td>10:00-10:20</td>
<td>Effect of catchment characteristics on aquatic carbon export from a boreal catchment and its importance in regional carbon cycling (L. Arvola, Univ. of Helsinki, Finland)</td>
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<td>10:20-10:40</td>
<td>Ecological Indicators of long-term changes in air pollution/land-use and modelling the long-term natural regeneration potential of woodlands in a LTER Montado area to guide restoration efforts (C. Branquinho, Centre for Environmental Biology, Faculty of Sciences, University of Lisbon, Portugal)</td>
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<td>10:40-11:00</td>
<td>System approach of ecological research in the Tatra Mts: investigating the effects of pressures and pulses in the long-term. (P. Fleischer, LTER-Slovakia)</td>
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<td>11:30-11:50</td>
<td>The national scale</td>
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<td>11:30-11:50</td>
<td>Interactions of climate, water use and phenology: Findings from the Yattir forest LTER Site in Israel (E. Rotenberg, Weizmann Institute of Science, Israel)</td>
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<td>11:50-12:20</td>
<td>LTER informing policy - Examples from LTER in the UK: ECN contributions to National Ecosystem Assessments based on findings on biological trends, drivers of environmental change and regional patterns (T. Parr, CEH, UK)</td>
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<td>12:20-12:40</td>
<td>Modelling impacts of climate change on ecosystem services at LTER-sites in Finland (M. Forsius, Syke, Finland)</td>
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<td>The Fingerprint of Nitrogen Deposition in European Forests (T. Dirnböck, EAA, Austria)</td>
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<td>Considering the social dimension: results from LTSER Platforms</td>
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<td>How to use multiple LTSER platforms to derive scientific findings for sustainable landscapes (M. Elbakidze, Faculty of Forest Sciences, SLU, Sweden)</td>
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<td>13:00-14:00</td>
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<td>14:00</td>
<td><strong>Highlights of LTER science outcomes and addressing future scientific infrastructure requirements</strong></td>
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<td>14:20-14:40</td>
<td>Site, Network, Platform: Evolution of LTER, Northern Negev, Israel (D. Orenstein, Technion, Israel)</td>
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<td>14:00-14:20</td>
<td>Clusters of LTSER platforms as infrastructure for long-term social-ecological research: Bergslagen's experience (R. Axelsson, Faculty of Forest Sciences, SLU, Sweden)</td>
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<td>The LTSER concept: place based LTSER and beyond</td>
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<td>Key note on LTSER: concept, status of the LTSER component of LTER-Europe and outlook towards H2020 (D. Orenstein, Technion, Israel)</td>
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<td>15:00-16:00</td>
<td>Group work</td>
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CNR, Room Convegni

Next stage of LTER built on the cornerstones of EnvEurope

Detailed results and products from EnvEurope to LTER-Europe

9:00-9:30
Why, what and how to measure LTER parameters? Tools for harmonized approaches (M. Frenzel, UFZ, Germany)

9:30-10:00
Acting as a network: the shared EnvEurope “testing in the fields” LTER activities (G. Matteucci, CNR IBAF, Italy)
Acting as a network: examples of common data elaboration from field activities in LTER aquatic sites (M. Bascietto, CNR IBAF, Italy)

10:00-10:15
Long term datasets: lessons learned from the EnvEurope experience (M. Adamescu, UniBuch, Romania)

10:15-11:15
EnvEurope scientific case studies
Phenological variations in response to climate change in aquatic LTER sites (A. Oggioni, CNR IREA, Italy)
Tree-ring chronologies in relation to past human and natural disturbances (S. Neagu, ICAS, Romania)
Nitrogen deposition and vegetation change in LTER sites: testing critical load exceedance (T. Dirnböck, EAA, Austria)
Temporal patterns of phytoplankton diversity on a European scale (K. Palffy, HAS, Hungary)

11:15-11:45 – Coffee Break

11:45-12:00
EnvEurope DEIMS - a gateway to long-term ecosystem research data in Europe (T. Kliment, CNR IREA, Italy)

12:00-12:45
From Data to Services - Evaluation of options (H. Schentz, EAA Austria & A. Oggioni, CNR IREA, Italy)

12:45-13:00
EnvThes: Controlled vocabulary for Ecosystem Monitoring (H. Schentz, EAA, Austria)

13:00-14:00 – Buffet Lunch at CNR
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<td>Improving LTER network design: lessons and suggestions from the EnvEurope Life+ project (P. Colangelo, CFS-CNBF &amp; University of Rome, Italy)</td>
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<td>14:30-14:45</td>
<td>Spatio-temporal assessments of ecosystem functions and services across different LTER Europe sites (S. Stoll, Senckenberg, Germany)</td>
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<td>14:45-15:00</td>
<td>Terrestrial phenology and remote sensing (A. Campanaro, CFS-CNBF &amp; University of Rome, Italy)</td>
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<td>Summarizing Workshop: Homework left and challenges after EnvEurope</td>
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*In parallel, 16:30-18:00:
Working group LTER marine site “task force”*
08.30-09:15
Welcome
Adoption of the agenda
Minutes of the 2012 LTER-Europe conference
Overview and news from the 2013 ILTER Conference in Korea (M. Mirtl)

09.15-09.45
Status of national networks:
  - Belgium (M. Hens)
  - Norway (T. Heggbergeth)
  - Andorra (t.b.d.)

09.45-10:30
Report of the Marine LTER Task Force activities (M. G. Mazzocchi)
Feedback to planned questionnaire on LTER-Europe work and directions (M. Frenzel)

10:30-11:00 Coffee Break

11.00-12:30
Response to H2020 calls: strategic alliances and consortium building
  - Infrastructure
  - ESS/ Drivers of change (LTSER as science-policy vector)

12:30-13:00
Miscellaneous

13:00-14:00 – Buffet Lunch at CNR

15:00-18:00
A "special trip" to a Rome you never saw before