



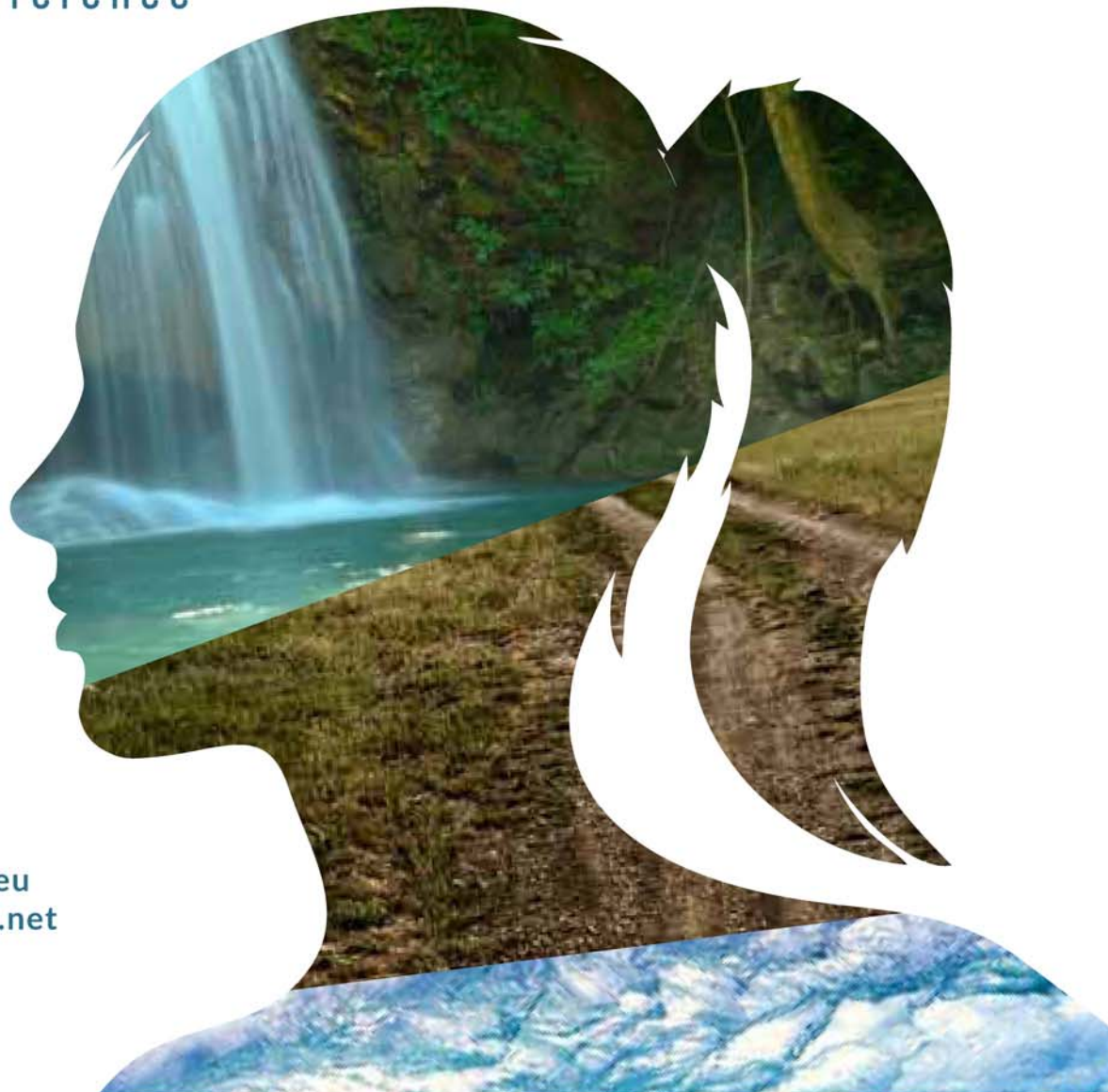
Fit for catching ecosystem change

# 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](http://www.enveurope.eu)  
[www.lter-europe.net](http://www.lter-europe.net)

Monday 25<sup>th</sup> 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***

Tuesday 26<sup>th</sup> November  
9:00 – 13:00

**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***

Tuesday 26<sup>th</sup> November  
14:00 – 18:00

## 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*

Wednesday 27<sup>th</sup> November  
9:00 – 13:00

**CNR, Room Convegna**  
**Highlights of LTER science outcomes and addressing future scientific infrastructure requirements**

***Site level research***

*9:00-9:20*

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)

*9:20-9:40*

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)

*9:40-10:00*

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)

*10:00-10:20*

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)

*10:20-10:40*

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)

*10:40-11:00*

System approach of ecological research in the Tatra Mts: investigating the effects of pressures and pulses in the long-term. (P. Fleischer, LTER-Slovakia)

***11:00-11:30 – Coffee Break***

*11:30-11:50*

Interactions of climate, water use and phenology: Findings from the Yattir forest LTER Site in Israel (E. Rotenberg, Weizmann Institute of Science, Israel)

***The national scale***

*11:50-12:20*

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)

*12:20-12:40*

Modelling impacts of climate change on ecosystem services at LTER-sites in Finland (M. Forsius, Syke, Finland)

***The European scale***

*12:20-12:40*

The Fingerprint of Nitrogen Deposition in European Forests (T. Dirnböck, EAA, Austria)

***Considering the social dimension: results from LTSER Platforms***

*12:40-13:00*

How to use multiple LTSER platforms to derive scientific findings for sustainable landscapes (M. Elbakidze, Faculty of Forest Sciences, SLU, Sweden)

***13:00-14:00 – Buffet Lunch at CNR***

Wednesday 27<sup>th</sup> November  
14:00 – 18:00

## **Highlights of LTER science outcomes and addressing future scientific infrastructure requirements**

### *Considering the social dimension: results from LTSER Platforms*

*14:20-14:40*

Site, Network, Platform: Evolution of LTER, Northern Negev, Israel (D. Orenstein, Technion, Israel)

*14:00-14:20*

Clusters of LTSER platforms as infrastructure for long-term social-ecological research: Bergslagen's experience (R. Axelsson, Faculty of Forest Sciences, SLU, Sweden)

### **The LTSER concept: place based LTSER and beyond**

*14:40-15:00*

Key note on LTSER: concept, status of the LTSER component of LTER-Europe and outlook towards H2020 (D. Orenstein, Technion, Israel)

*15:00-16:00*

Group work

*16:00-16:30 Coffee Break*

*16:30-17:00*

Group work

*17:00-17:30*

Group reports

Thursday 28<sup>th</sup> November  
9:00 – 13:00

**CNR, Room Convegna**  
**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. Palfy, 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*

Thursday 28<sup>th</sup> November  
14:00 – 18:00

*14:00-14:30*

Improving LTER network design: lessons and suggestions from the EnvEurope Life+ project (P. Colangelo, CFS-CNBF & University of Rome, Italy)

*14:30-14-45*

Spatio-temporal assessments of ecosystem functions and services across different LTER Europe sites (S. Stoll, Senckenberg, Germany)

*14.45-15:00*

Terrestrial phenology and remote sensing (A. Campanaro, CFS-CNBF & University of Rome, Italy)

*15:00-16:00*

Summarizing Workshop: Homework left and challenges after EnvEurope

***16:00-16:30 – Coffee Break***

*16:30-17:30*

Summarizing Workshop: Homework left and challenges after EnvEurope

*In parallel, 16:30-18:00:*

*Working group LTER marine site “task force”*



Friday 29<sup>th</sup> November  
Morning 08:30 – 13:00

**CNR, Room Marconi  
LTER-Europe Co-ordinating Committee**

*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***