



LTER Italia
Rete di Ricerca Ecologica a Lungo Termine - Italia



SESTA ASSEMBLEA NAZIONALE
Rete LTER-ITALIA

ROMA

29 MARCH 2012 CNR, AULA CONVEGNI
30 MARCH 2012 CNR AULA MARCONI

P.LE ALDO MORO 7
ROMA

MARCH 29th 2012

09:30 - 10:00 – Presentation of the Conference and Authorities Welcome
Chairperson: Dr. Alessandra Pugnetti, LTER-Italia Coordinator

CNR: Prof. L. Nicolais, President (Prof. G. Martini, Director of Life Science Department)
Dr. E. Brugnoli, Director of Earth and Environment Department
Prof. G. Martini, Director of Life Science Department
CFS: Dr E. Pompei
CRA: Prof. G. Alonzo, President in charge (to be confirmed)
SITE: Prof. A. Basset
CONISMA: Prof. A. Tursi
SZN: Dr.ssa A. Zingone
ISPRA: Dr.ssa M. Dalla Costa

Chairperson: Paola Carrara

10:00-10:25 – Presentation from LTER-Europe. M. Mirtl, LTER-Europe chair.

10:25-10:35 GMES in Italy. M. Dalla Costa.

10:35-10:45 The LTER-Italy network and the European initiative GMES. P. Colangelo, A. Campanaro.

10:45-11:00 – Data management in the LTER network between European perspectives and scientific tradition. A. Oggioni, P. Carrara, T. Kliment, M. Bastianini, D. Manca.

11:00-11:20 Coffee break



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Chairperson: Nico Salmaso

11:20-11:35 – The LTER-Italy network and the Infrastructure LifeWatch: the Italian case study “Patterns of ecosystem fragility to alien and invasive species”. G. Corriero, C. Pierri.

11:35-11:45 –Presentation of the book “La rete Italiana per la ricerca ecologica a lungo termine (LTER-Italia) - *Situazione e prospettive dopo un quinquennio di attività (2006-2011)*”. R. Bertoni

PRESENTATIONS FROM THE LTER-ITALY SITES

LTER-ITALY SITES AND TECHNOLOGICAL INNOVATION

LTER-ITALY SITES AND DISSEMINATION

11:45-12:35

- Remote sensing technologies and *in situ* data for the study of Lake Garda. C. Giardino, M. Bresciani, A. Oggioni, P. Carrara.
- Integrated methods for monitoring climate change in an alpine area (IT19). U. Morra di Cella, E. Cremonese, F. Diotri, G. Filippa, M. Galvagno, P. Pogliotti, M. Freppaz, E. Zanini.
- Advancements in the LTER site IT20- coastal dune ecosystems of Central Italy: multitemporal analysis through remote sensing data. A. Acosta, M. L. Carranza, M. Malavasi, R. Santoro, A. Stanisci.
- Underwater webcams as a tool for fish population surveys. A perspective in citizens' science projects. M. Bastianini, F. Riccato, T. Marzolini, T. Minuzzo.

Discussion

12:35-13:35 LUNCH

LTER-ITALY SITES AND CLIMATIC CHANGE EVIDENCES

13:40-15:45

Chairperson: Renzo Motta

- The “thermophilization” of European mountains vegetation in the project GLORIA. A. Stanisci, G. Pelino.



- How the time series are a useful tool to better understand the exceptional environmental phenomena. The Po River flood of 2000. M. Marini, M.C. Totti, A. Campanelli, F. Grilli, T. Romagnoli, P. Penna, G. Caccamo, E. Paschini.
- Influence of atmospheric modes of variability and eutrophication on the long-term limnological characteristics of Lake Garda – Results from the LTER Italian network. N. Salmaso.
- Evidence of climate change effects at remote LTER lake sites (Paione lakes, Central Alps, Italy and Pyramid lakes, Himalayas, Nepal). M. Rogora, A. Boggero, A. Lami, M. Manca, A. Marchetto, A. Oggioni, G.A. Tartari.
- Resource ratio and human impact: how diatom assemblages in Lake Maggiore responded to oligotrophication and climatic variability. G. Morabito, A. Oggioni, M. Austoni.
- Resilience and variability of mesozooplankton in relation to climatic changes. M. G. Mazzocchi, L. Dubroca, I. Di Capua, P. Licandro, C. Garcia-Comas, V. Saggiomo, M. Ribera d'Alcalà.
- Impact of climate change on the shallow Lake Trasimeno (Umbria, Italy): history, forecasting and management. A. Ludovisi et al.
- Interactions between snow and soil in an alpine area (IT19). M. Freppaz, E. Cremonese, U. Morra di Cella, F. Diotri, G. Filippa, M. Galvagno, P. Pogliotti, E. Zanini.

Discussion

15:45-16:05 Coffee break

ILTER-ITALY SITES AND CLIMATIC CHANGE EVIDENCES

16:05-16:35

Chairperson: Maria Grazia Mazzocchi

- Pianosa Island: an example of long-term ecological research. F.P. Vaccari, R. Bedini.
- Kettle holes in the Majella Mountain. G. Corti, S. Cocco.

Discussion



ILTER-ITALY SITES AND ALIEN SPECIES
16:35-17:10

- Which does remain and which does go away? Failure and success of alien species in the TWS Mar Piccolo of Taranto (southern Italy). E. Cecere, G. Alabiso, R. Carlucci, A. Petrocelli, G. Portacci, M. Verlaque.
- Exotic species in coastal sandy dune ecosystems. Where are we? A. Acosta, M. L. Carranza, M. Carboni, R. Santoro, A. Stanisci.
- The tropical alga *Lophocladia lallemandii* and its interactions with the autochthonous biocenosis. R. Bedini, L. Bonechi, L. Piazzini, A. Giangrande, R. Pronzato, T. Krapp, G. Sartoni, E. Campani.

Discussion

ILTER-ITALY SITES AND BIOMOLECULAR STUDIES
17:10-17:25

- Beyond morphology: researches on hidden biodiversity of phytoplankton at the LTER-MC research site (Gulf of Naples). A. Zingone.

Discussion

PHD THESIS IN LTER-ITALY SITES
17:25-18:30

- E-Changes experiment: effects of climate change on Central Apennines grasslands. Methods and first results. S. Chelli, G. Campetella, R. Canullo.
- Impact of the exotic *Carpobrotus acinaciformis* on dune ecosystems. R. Santoro, A. Acosta.
- Do stressors affect stable isotopic signature of carbon and nitrogen in Sardinia reservoirs? A. Fadda, F. Camin, A. Sabatini, M. Manca, M. A. Mariani, P. Buscarinu, T. Viridis, A. Lugliè, N. Sechi, B. M. Padedda.
- On the presence of *Chattonella* species in the Lagoon of Santa Giusta (Sardinia, Italy). D. Stacca, B. M. Padedda, S. Pulina, C. T. Satta, N. Sechi, A. Lugliè.
- Nitrogen and phosphorus dynamic in coastal areas: common patterns, peculiarities and ecological implications. F. Margiotta



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- Case-study for the introduction of faunistic data in some Italian LTER forest sites. C. Cocciufa, G. M. Carpaneto, P. Cerretti.
- Study of the interannual variability of particle vertical fluxes in two moorings in Ross Sea (Antarctica). F. Chiarini, M. Ravaioli, L. Capotondi, F. Giglio, L. Langone.

Discussion

*CNR, AULA MARCONI
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MARCH 30th 2012
LTER-Italy members only

Chairperson: Michele Freppaz

9:30-9:50 – 2011 Report from the LTER-Italy Coordination Committee and future perspectives. A. Pugnetti.

9:50-10:00 – News from LTER-International, LTER-Europe and Life+EnvEurope G. Matteucci.

10:00-11:00 – Five-year sites evaluation: results and discussion. A. Pugnetti, A. Campanaro, P. Colangelo et al.

11:00-11:20 Coffee break

Chairperson: Giampaolo Rossetti

11:20 – 11:30 Remembering Vincent Hull – a researcher with long-term perspectives. R. Aleandri - CRA

11:30-11:50 Discussion and approval of the bylaw amendments. M. Ravaioli.

11:50-12:30 Presentation of the coordination Committee candidates and elections. A. Zingone.

12:30-12:45 Closing of the Conference



14:30-17:30

WORKSHOP CASE STUDY LIFEWATCH

“Patterns of ecosystem fragility to alien and invasive species”



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Conference Organizing Committee

Roberto Bertoni (CNR ISE)

Claudia Cindolo, (CFS CONECOFOR)

Cristiana Cocciufa, (CFS CONECOFOR)

Michele Freppaz (Univ. di Torino)

Franco Mason (CFS CNBF, Verona)

Giorgio Matteucci, (CNR ISAFOM)

Alessandra Pugnetti (CNR ISMAR)

Mariangela Ravaioli (CNR ISMAR)

Giampaolo Rossetti (Univ. di Parma)

Adriana Zingone (Stazione Zoologica A. Dohrn)