



## Earth System Science and Environmental Management

### Annual Progress Conference 2012

Astir Egnatia Alexandroupolis Hotel  
Parko Egnatia, 68100 Alexandroupoli, Greece  
20<sup>th</sup> and 21<sup>st</sup> June 2012

#### 19<sup>th</sup> June 2012

**20:30 – 23:00** *Welcome reception with buffet at the hotel*

#### 20<sup>th</sup> June 2012

09:00 – 09:10 Opening by ESSEM Domain Committee Chair, Ipek Erzi  
Welcome by the local organiser, Konstantinos Kourtidis

**Moderator: Ipek Erzi**

- 09:10 – 09:40 ES1005 | Towards a more complete assessment of the impact of solar variability on the Earth's climate | Thierry Dudok de Wit (Chair) | Hugo De Backer (Rapporteur)
- 09:40 – 10:10 ES0805 | The Terrestrial Biosphere in the Earth System | Michael Berger (Vice Chair, replacing Chair Cristian Reick) | Dick Blaauboer (Rapporteur)
- 10:10 – 10:40 ES0804 | Advancing the integrated monitoring of trace gas exchange between biosphere and atmosphere | Penelope Serrano Ortiz (MC Substitute Member, replacing Chair Lutz Merbold) | Ulrike Pechinger (Rapporteur)

**10:40 – 11:00** *Coffee (including poster review)*

**Moderator: Dick Blaauboer**

- 11:00 – 11:30 ES0903 | Spectral sampling tools for vegetation Biophysical Parameters and Flux measurements in Europe | Loris Vescovo (Chair) | Staytcho Kolev (Rapporteur)
- 11:30 – 11:50 ES1102 | Validating and Integrating Downscaling Methods for Climate Change Research Douglas Maraun (Chair) | Jean-Pierre Chalon (Rapporteur)
- 11:50 – 12:10 ES1101 | Harmonizing Global Biodiversity Modelling | Jorn Scharlemann (Chair) | Emil Fulajtar (Rapporteur)
- 12:10 – 12:30 ES1103 | Microbial ecology & the earth system: collaborating for insight and success with the new generation of sequencing tools | Tom Curtis (Chair) | Yosef Steinberger (Rapporteur)

**12:30-13:30** *Lunch*



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**Moderator: Konstantinos Kourtidis**

- 13:30 – 14:00 TD0803 | Detecting evolutionary hot spots of antibiotic resistances in Europe (DARE) | Thomas Berendonk (Chair) | Ladislav Petrus (CMST Rapporteur)
- 14:00 – 14:30 ES0806 | Stable Isotopes in Biosphere-Atmosphere-Earth System Research (SIBAE) | Cristina Maguas (MC Member, replacing Chair Nina Buchmann) | Maris Klavins (Rapporteur)
- 14:30 – 15:00 European Space Agency Presentation | ESA's Earth Observation Programme in support of Earth System Science : ESA-COST Cooperation | Michael Berger

**15:00-15:30 Coffee (including poster review)**

**Moderator: Dick Blaauboer**

- 15:30 – 16:00 ES0907 | INTEgrating Ice core, MARine and TERrestrial records - 60,000 to 8000 years ago (INTIMATE) | Suna Olander Rasmussen (Chair) | Rein Vaikmae (Rapporteur)
- 16:00 – 16:30 ES0801 | Ocean biogeochemistry, Climate paleoproxies, Marine data management, Trace element intercalibration | Nikolaos Mihalopoulos (MC Member, representing Chair Gideon Henderson) | Zorica Svircev (Rapporteur)
- 16:30 – 17:00 ES1001 | SMOS Mission Oceanographic Data Exploitation | Antonio Turiel Martinez (Chair) | Michael Mente (Rapporteur)
- 17:00 – 17:30 ES0904 | European Gliding Observatories Network | Pierre Testor (Chair) | Stanislaw Massel (Rapporteur)
- 17:30 – 18:30 MC-Chairs Informal Meeting with DC-Chair, Vice-Chair and COST Office

**19:30 Official dinner**

**21<sup>st</sup> June 2011**

**Moderator: Ipek Erzi**

- 09:00 – 09:30 ES0901 | European procedures for flood frequency estimation (FloodFreq) | Thomas Kjeldsen (Chair) | Stelios Pashiardis (Rapporteur)
- 09:30 – 09:50 ES1104 | Arid Lands Restoration and Combat of Desertification: Setting Up a Drylands and Desert Restoration Hub | Benz Kotzen (Chair) | Yosef Steinberger (Rapporteur)
- 09:50 – 10:10 ES1106 | Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT) | Leonidas Toullos (MC Member, representing Chair Anna Dalla Marta) | Giampiero Maracchi (Rapporteur)
- 10:10 – 10:40 Harmful Algal Blooms in Water Resources: Societal Impacts, Responses and COST Actions | Geoffrey Codd (ES1105 MC Member)

**10:40-11:00 Coffee (including poster review)**



**Moderator: Emil Fulajtar**

- 11:00 – 11:20 ES1105 | Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management | Triantafyllos Kaloudis (Chair) | Dick Blaauboer (Rapporteur)
- 11:20 – 11:50 ES1003 | Marine Biodiversity Observatory System | Herman Hummel (Chair) | Ertan Durmusoglu (Rapporteur)
- 11:50 – 12:20 ES0906 | Seagrass productivity: from genes to ecosystem management | Ragnhildur Sigurdardottir (MC Member, representing Chair Rui Santos) | John Ingram (Rapporteur)
- 12:20 – 12:50 ES1002 | Weather Intelligence for Renewable Energies | Alain Heimo (Chair) | Zoltan Dunkel (Rapporteur)

**12:50-14:00 Lunch**

**Moderator: Staytcho Kolev**

- 14:00 – 14:30 ES0803 | Developing space weather products and services in Europe | Anna Belahaki (Chair) | Zoltan Dunkel (Rapporteur)
- 14:30 – 15:00 ES0702 | European Ground-Based Observations of Essential Variables for Climate and Operational Meteorology (EG-CLIMET) | Dominique Ruffieux (Vice Chair, representing Chair Anthony Illingworth) | Manuel Palomares (Rapporteur)
- 15:00 – 15:30 ES0905 | Convection Parameterization in Weather Forecast and Climate Models | Jun-ichi Yano (Chair) | Saskia Willemse (Rapporteur)

**15:30 - 16:00 Coffee (including poster review)**

**Moderator: Ulrike Pechinger**

- 16:00 – 16:30 ES0802 | Unmanned aerial systems (UAS) in atmospheric research | Phil Anderson (Vice Chair, representing Chair Joachim Reuder) | Dirk Van Speybroeck (Rapporteur)
- 16:30 – 17:00 ES1004 | European framework for online integrated air quality and meteorology modelling | Alexander Baklanov (Chair) | Teresa Abrantes (Rapporteur)
- 17:00 – 17:20 TD1105 | European Network on New Sensing Technologies for Air-Pollution Control and Environmental Sustainability - EuNetAir | Michele Penza (Chair) | Konstantinos Kourtidis (Rapporteur)
- 17:20 – 17:50 ES1006 | Evaluation, improvement and guidance for the use of local-scale emergency prediction and response tools for airborne hazards in built environments | Bernd Leitl (Chair) | Vidmantas Ulecivius (Rapporteur)
- 17:50 – 18:00 Closing remarks