AGENDA

28 SEPTEMBER 2015

19:00 – 21:00 Welcome Reception
Palacio MIRAMAR
Paseo de Miraconcha, 48
San Sebastián

A beautiful mansion built by the royal family as a summer holiday home in about 1887. It has impressive views of the bay and Santa Clara Island. Miramar Palace is now owned by the city of Donostia-San Sebastián

29 SEPTEMBER 2015

8:00 – 9:00 Registration

9:00 Opening remarks.
Dr. Hao Zhang, Lancaster University. UK.
Dr. María J. Belzunce-Segarra. AZTI. Spain

9:15 Plenary Lecture
“Exploring the versatility of passive samplers for (nano)contaminant risk assessment”. Enzo Lombi. University of South Australia.

WATER SOLUTIONS AND AQUATIC ENVIRONMENTS (CONTINENTAL, BRACKISH AND MARINE WATERS)

Dr. Gary Fones. University of Portsmouth. United Kingdom.

10:00 Keynote lecture.
“DGT, a simple and efficient tool for environmental studies?. A few examples on Hg”. Olivier Clarisse. Université de Moncton, Canada

10:40 Coffee break

11:10 “What information can we extract from DGT data?”. Josep Galceran. Departament de Química, Universitat de Lleida. Spain.
11:30 “Evaluating the performance of DGT with a Chelex-Metsorb mixed binding layer for measurement of trace metals and oxyanions in natural seawater”. Amir Houshang Shiva. Environmental Futures Research Institute, School of Environment, Griffith University. Australia.

12:10 “Evaluation of a zirconia oxide-DGT for the determination of Cr(III) and Cr(VI) through selective elution”. Delphine Devillers. Research Group on Water, Soil and Environment (GRESE - EA 4330), University of Limoges. France

12:30 “Determination of methylmercury concentrations in low contaminated rivers by passive sampling method and isotopic dilution GC-ICP-MS”. Aymeric Dabrin. Irstea. France

12:50 Lunch

Dr. Fiona Regan. Dublin City University. Ireland.

14:00 “In situ selective determination of methylmercury in river water by diffusive gradient in thin films technique using baker’s yeast immobilized in agarose gel as binding phase”. Amauri Antonio Menegárioa. Centro de Estudos Ambientais, Univ. Estadual Paulista. Brazil.


14:40 “Can DGT be used to elucidate uranium speciation in natural waters?”. Laureline Février. IRSN/PRP-ENV/SERIS/L2BT. France.

15:00 “Using DGT to determine representative dissolved inorganic nitrogen and phosphorus concentrations in natural freshwaters”. Jianyin Huang. Environmental Future Research Institute, School of Environment, Griffith University. Australia.

15:20 Coffee break


16:10 “Monitoring of heavy metals in sewage systems by use of passive sampler, DGT”. Ø. Mikkelsen. Norwegian University of Science and Technology (NTNU) Department of Chemistry. Norway.

POSTER SESSION

Chairs: Dr. Jaume Puy, University of Lleida. Spain
Dr. Gary Fones, University of Portsmouth. UK
Dr. Josep Galceran. University of Lleida. Spain
Dr. Fiona Regan. Dublin City University. Ireland

16:30-16:45 Brief Introduction

16:45-17:45 Posters forum

19:00 Sailing Tour. Included in the registration fee. The “Ciudad de San Sebastian” catamaran will treat you to a completely different view of the city. 1 hour sailing tour to enjoy delightful views of the city from the sea. Max 80 people.
30 SEPTEMBER 2015

SEDIMENTS

Chairs: Dr. Peter Teasdale and Dr. William Bennett. Griffith University. Australia.

9:00 Keynote lecture


10:00 “Assessing contaminant biogeochemistry: a new view using DGT and DET”. William Bennett. Environmental Futures Research Institute and Griffith School of Environment, Griffith University. Australia.

10:20 “Resolving biogeochemical controls of arsenic and antimony mobility in contaminated sediments using DGT and DET”. Maja Arsic. Environmental Futures Research Institute, Griffith University. Australia.

10:40 Coffee break

Chairs: Dr. Peter Teasdale and Dr. William Bennett. Griffith University. Australia.

11:10 “Use of DGTs to estimate release of metals from re-oxygenating Baltic Sø sediments”. Martin M. Larsen. Aarhus University, Dept. of Bioscience. Denmark.

11:50 “Trace metal capacities of suspended particulate reagent-iminodiacetate (microchel) resin using diffusive gradients in thin films”. Yue Gao. Analytical Environmental and Geochemistry, Faculty of Science, Vrije Universiteit Brussel. Belgium.

12:10 “Two-dimensional imaging of oxyanions in sediments by a high-resolution precipitated zirconia based-DGT technique”. Dong-Xing Guan. State Key Laboratory of Pollution Control and Resource Reuse, School of the Environment, Nanjing University. China.

12:30 “In situ, high-resolution monitoring of labile phosphorus distribution and mobilization in sediments of a large eutrophic lake”. Shiming Ding. State Key Laboratory of Lake Science and Environment, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences. China.

12:50 “Measurement of mercury and methylmercury in sediment porewater using DGT”. Yue Gao. Analytical Environmental and Geochemistry, Faculty of Science, Vrije Universiteit Brussel. Belgium.

13:10 Lunch

RELATING BIOAVAILABILITY AND EFFECTS TO DGT DATA

Chairs: Dr. Stuart Simpson. CSIRO. Australia.


14:40 “Assessing impacts of jellyfish carrion on sediment redox conditions using diffusive in situ samplers”. Ariella Chelsky. Australian Rivers Institute – Coasts and Estuaries, Griffith School of Environment, Griffith University. Australia.


15:30 “Passive samplers and biomarkers to assess metal labile concentrations and the associated biological effects: case studies in the North-Médoc salt marshes (Gironde estuary, France) and in the Oiartzun estuary (Spain)”. Javier Franco. AZTI. Spain

POSTER SESSION

16:20-17:35 Poster Forum

20:00 Conference Dinner. Included in the registration fee. Dinner in a Typical basque Cider House. Bus included.
### SOILS AND PLANTS

**Chairs:** Dr. Jun Luo. Nanjing University  
Dr. Jakob Santner. University of Natural Resource and Life Sciences. Austria.

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<th>Time</th>
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<tr>
<td>9:00</td>
<td><strong>Keynote lecture.</strong></td>
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<td>9:40</td>
<td>“Soil phosphorus mobility and solid-to-solution phase resupply studied by DGT”. Daniel Menezes-Blackburn. Lancaster University, Lancaster Environment Centre. United Kingdom.</td>
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<td>10:00</td>
<td>“The localisation of phosphorus solubilisation, uptake and release in the rhizosphere of plants with differential nutrient mobilisation strategies”. Jakob Santner. Institute of Soil Research, University of Natural Resources and Life Sciences, Vienna. Austria.</td>
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<td>10:40</td>
<td><strong>Coffee break</strong></td>
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<td>11:10</td>
<td>“Predicting the Uptake of 10 Metals by 5 Vegetables Using DGT”. Hao Zhang. Lancaster Environment Centre, Lancaster University, United Kingdom.</td>
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<td>11:30</td>
<td>“Merging DGT and planar optodes into single-layer probes for simultaneous, co-localized chemical imaging of metals and pH in the rhizosphere”. Christoph Hoefer. Department of Forest and Soil Sciences, Institute of Soil Research, University of Natural Resources and Life Sciences, Vienna. Austria.</td>
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### ENVIRONMENTAL ASSESSMENT AND LEGISLATION

**Chairs:** Dr. Marco Schintu. University of Cagliari. Italy  
Dr. Trang Huynh, University of Queensland. Australia

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<td>11:50</td>
<td><strong>Keynote lecture.</strong></td>
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<td>“Use and assessment of passive samplers by the French water national and regional authorities to improve the WFD implementation”. Pierre-François Staub. ONEMA-DAST. France.</td>
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<td>12:50</td>
<td><strong>Lunch</strong></td>
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<td>14:00</td>
<td>“Large scale” application of the passive sampling techniques: Evaluation of DGT technique as a monitoring tool for the assessment of the chemical status of water bodies”. M.J. Belzunce-Segarra. AZTI. Spain.</td>
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<td>14:40</td>
<td>“Mobile passive sampling with DGTs for the measurement of trace metals in seawater”. Marco Schintu. Università di Cagliari. Italy.</td>
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<td>15:00</td>
<td>“DGTs, a complementary tool towards more efficient biomonitoring practices”. Jonathan Richir. STARESO SAS. France.</td>
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15:40 Coffee break

**ADDENDUM**

Chairs: Hao Zhang, Lancaster University, UK  
Peter Teasdale, Griffith University Gold Coast, Australia  
Jun Luo, Nanjing University, China  
Marco Schintu, University of Cagliari, Italy  
Maria J. Belzunce-Segarra, AZTI, Spain  
Javier Franco, AZTI, Spain

16:10 Discussion Forum

17:10 Future issues

17:30 Closing remarks