

SEFS 7

girona

Asociación
Ibérica de
Limnología

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AIL




Universitat de Girona



Symposium for European Freshwater Sciences

June 27 - July 1 2011



www.sefs2011.com

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WELCOME

Freshwater ecosystems- Challenges between conservation and management under global change

This theme reflects the general aim of the 7th Symposium for European Freshwater Sciences. The meeting will provide an opportunity to debate the challenges imposed by the current and future changes on freshwater organisms and ecosystems.

The SEFS7 will be held at Girona, Spain, organized by the Iberian Limnological Society (AIL) in collaboration with the Catalan Institute for Water Research (ICRA) and the University of Girona (UdG). The AIL is very pleased to host an international meeting like SEFS, and is ready to make its best to make it scientifically attractive. The Iberian Limnological Society gathers associates from many different branches of freshwater sciences, the UdG shows a wide interest on water issues, and the ICRA integrates encompassing disciplines in natural and human-driven ecosystems. All the organizers are ready to make a joint effort to make the SEFS7 a good opportunity for you to contribute with your scientific and personal visions on the challenges we face!

SEFS7 will benefit from its location, Girona, which is a lively city fully mixed with the University- thus providing a sense of youth that transpires to the whole city. Girona is placed amongst a harmonic and beautiful landscape, between the Pyrenees and the Mediterranean Sea. SEFS7 will be held at the Girona Auditorium and Conference Centre that is fully equipped facilities to organize relevant scientific events. It is the intention of the Organizing Committee to promote the existence of Special Sessions, as well as to make you enjoying sites of high natural interest around the city, its historical and cultural heritage, and its good food and wine!

Search for the lioness- and come to share your science at the SEFS7!

Looking forward meeting you in Girona!

Sergi Sabater, on behalf of the Organizing Committee of SEFS7

Organizing Committee

Chairpersons

Sergi Sabater
Antonio Camacho

Vicenç Acuña
Joan Armengol
Damià Barceló
Núria Bonada
Dani Boix
Arturo Elosegui
Maria Joao Feio
Emili García-Berthou
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Helena Guasch
Manuel Graça
Rocío López-Flores
Isabel Muñoz
Rafel Marcé
Xavier Quintana
Eugenio Rico
Anna Romani
Juan Soria
Julia Toja
Anna Vila
Lluís Zamora

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Andrew Boulton
Presentación Carrillo
Jordi Catalán
Mike Dobson
Rutger de Wit
Sylvain Dolédec
Cliff Dahm
Paul Giller
Nancy Grimm
Alan Hildrew
Luigi Naselli-Flores
Judit Padisak
Antonio Quesada
Geta Risnoveanu
Colin Reynolds
Klement Tockner

About Girona



Girona is an ideal setting in which to hold a conference. The city has a striking combination of landmarks both ancient and modern. Take a stroll from the conference centre to La Rambla, Girona's central boulevard, enjoying your leisure time to the full.

Continue by meeting friends and colleagues in a local restaurant to sample the fine local cuisine based on the products of the surrounding region. A little later, lose yourself in the alleyways of the old Jewish Quarter or enjoy a walk around the perimeter walls, breathing in the atmosphere of a city with over two thousand years of history behind it. A wide variety of cultural and artistic events and an excellent range of establishments for shopping will round off your leisure time at the end of a busy day.

Girona, a city founded by Romans, has one of the most emblematic old quarters of the country, medieval city walls, Romanesque and Gothic monuments, Baroque spaces and one of the best well-kept Jewish quarters of Europe. Amongst the emblematic areas, one should also mention the Cathedral of Santa Maria, the Church of Sant Feliu, the Arabic Baths as well as the painted houses of the Onyar river and the towers of the City Wall Avenue.

Getting around

Girona is a small city and most places can be accessed on foot relatively quickly. Girona Bus Station is next to the railway station and is the hub for city buses, as well as for regional, national and international coach lines.

Taxis

There are taxi ranks at the railway station and in the Plaça de la Independència (in the centre of the city). You can also call for taxis on the following numbers: Taxi Girona (specially-adapted taxis are available) 972 222 323 / 972 203 377; Girotaxi: 972 221 020

Commercial opening times

The usual opening times for the majority of shops is from 9.30 a.m. to 1.30 p.m. and from 4.30 to 8.30 p.m., although large franchises and shopping centres do not close at lunchtime. Hypermarkets and specialized establishments open from 10.00 am to 10.00 pm.

Shops open from Monday to Saturday. If you come shopping to Girona on Monday morning, do not be surprised to find many of the shops closed, since many shopkeepers prefer to stay closed during the first half of the day on Mondays. Establishments that you are sure to find open are franchises and the large supermarkets and department stores of the city, as well as some shops in the city centre.

Opening times for banks

In general, banks and savings banks open from 8.30 a.m. to 2.00 p.m. from Monday to Friday.

Useful telephones

Municipal Police: 092
 Tourist Information: 872 975 975
 Bus station: 972 21 23 19
 RENFE: 902 24 02 02
 Girona-Costa Brava Airport: 972 18 66 00
 Taxi Girona / Suitable for disabled people: 972 22 23 23
 24 hour road information: 972 20 01 31
 Credit Cards:
 Mastercard: 900 971231
 Visa: 91 519 60 00
 Diners Card: 902 40 11 12
 American Express: 902 375 637

About the venue



The Girona Auditorium and Conference Centre belongs to the new generation of 21st century conference centres. Designed by the prestigious team of Girona architects Jordi Bosch Genover, Joan Tarrús Galter and Manel Bosch Aragó, the building has been conceived as both a concert hall and a conference centre.

The striking building occupies an area of 10,000 square metres on the western edge of the park of La Devesa, a protected area with over 2,000 venerable plane-trees. It adjoins the Girona Trade Fair Centre on a site at the confluence of the rivers Güell and Ter with magnificent views over the Ribes del Ter park.

The venue address and website:
 Pg. De la Devesa, 35
 17001 Girona, Spain
 ☎+34 872 08 07 09
www.auditorigirona.org

Girona Tourist Board will have a booth in the main hall with information about the city and surrounding areas.



At the Meeting

Registration

Upon arrival, please register at the SEFS7 registration desk at the Girona Auditorium. Collect your delegate pack and your name badge. You are requested to wear your name badge at all times. The registration desk will be open until Friday 1st July.

Coffee Breaks (Morning and afternoon)

There will be a coffee break every morning from 10.30-11.00h and every afternoon from 16:00-16:30 h.

Meals

The registration fee does not include lunch, but this can be purchased in many places nearby at a reasonable price.

Internet Access

There is free wifi internet access at the meeting venue using the following access data:

USER: convidat

PASSWORD: auditori

Oral presentations

Speakers should deposit their presentations with the technicians in Sala 4 Please label your presentation according to the following model: Name_label session. order in the session. E.g.: Smith_O3.4. Presentations should be compatible with PowerPoint 2007 . Your presentation will be loaded onto the hard drive of the computer in the Lecture Room before your session and will be removed afterwards.

Instructions for Oral Presenters

Talks will be scheduled in 15-minute time slots. We strongly encourage a presentation of no more than 12 minutes to allow three minutes for discussion and to entertain questions from those in the audience. The time limit will be strictly enforced to facilitate movement between sessions.

Poster Presentations

The poster boards are located on hall I, II and III and are numbered.

Posters have to be printed on paper and the size has to be maximum 150cm high by 90cm wide.

Posters are to be put up and left on display for the whole symposium. However, there are two poster sessions as follows:

- June 28th: sessions O1, O3, O6, SS3, SS6, SS8, SS9 and SS12.

- June 30th: sessions O2, O4, O5, O7, O8, O9, O10, SS1, SS2, SS4, SS5, SS7, SS10, SS11, SS13, SS14 and SS15

Notice board

There will be a Notice board in front of the Reception Desk for conference announcements and for delegates to place messages for each other. Please refer to this notice board for any changes in the conference programme or arrangements during the Symposium.

Social Events

Welcome Cocktail

All participants are invited to attend the Welcome Cocktail on Sunday June 26th, 2011 at 18:00h.

Riverwebs

On June 28, there will be a film screening of "Riverwebs" (<http://www.riverwebs.org/>), followed by comments by Dr. Kurt Fausch. The session will be at Sala d'Assaig at 18:15h.

Congress Dinner

The Congress Dinner will be on June 30 th, 2011 at 20.30h.

All social events will take place at the congress venue.

Exhibits

There are seven booths in Hall I near the main entrance. Attendees are encouraged to spend time visiting the booths and interacting with the exhibitors. The exhibits will be open on Monday, Tuesday and Thursday from 09.00 – 18.00, and on Friday from 09.00 – 14.00


Commercial and nonprofit exhibitors and sponsors

Wiley Blackwell

<http://eu.wiley.com>

jkam@wiley.com

Phone: +65 6511 8178

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Walz

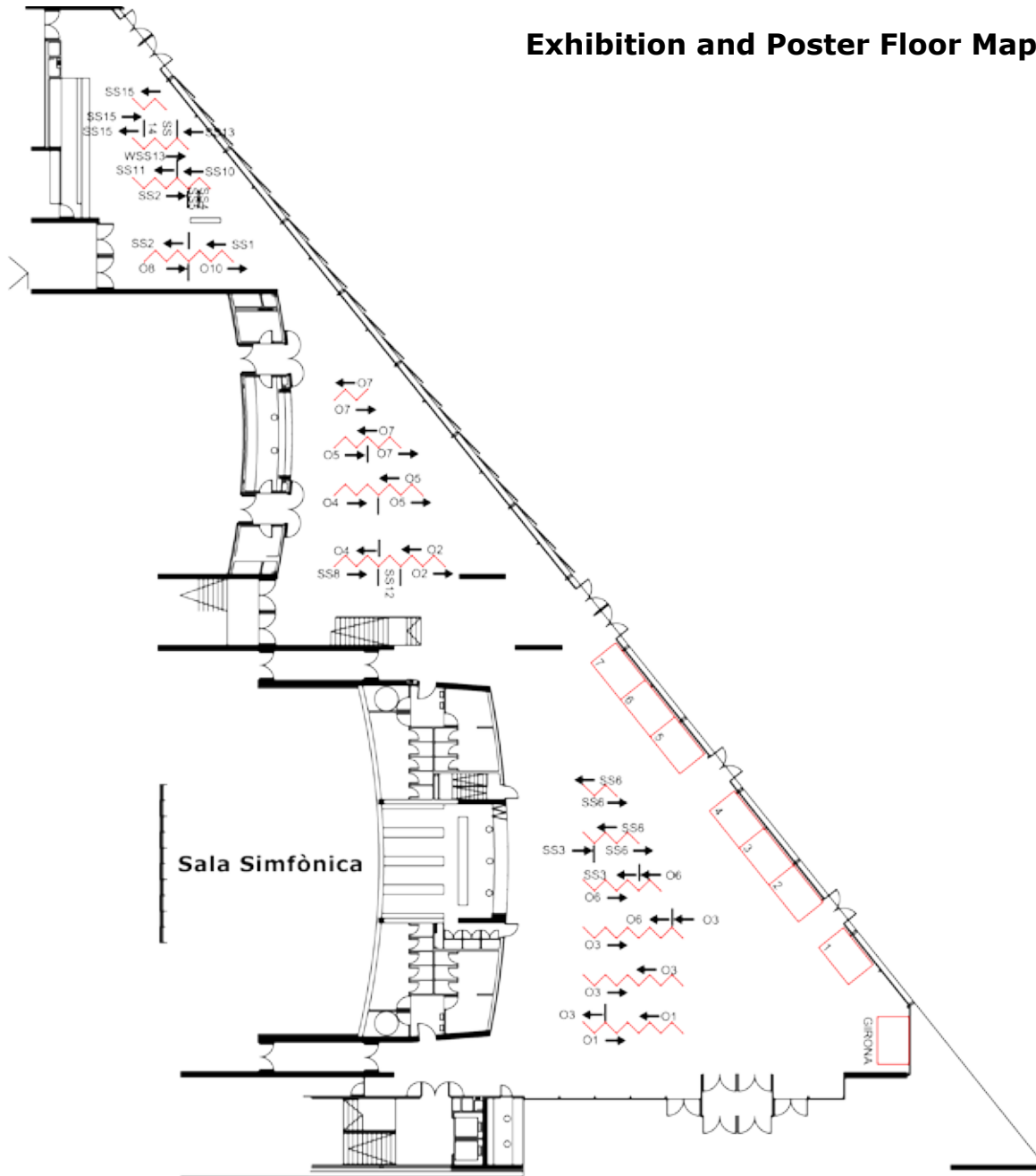
<http://www.walz.com/>

OMeyerhoff@walz.com

Phone: +49-(0)9133-7765-22

 WALZ
Mess- und Regeltechnik

Exhibition and Poster Floor Map



- Stand 1: Wiley Blackwell



- Stand 2: Walz



- Stand 3: Instrumentación Analítica



- Stand 4: Ecohydros



- Stand 5: Springer



Instrumentación Analítica

<http://www.instru.es/>
 barcelona@instru.es
 Phone: +34 93 478 71 61

**Ecohydros**

<http://www.ecohydros.com/>
 alexm@ecohydros.com
 Phone: +34 648 111 997

**Springer**

<http://www.springer.com>
 martine.vanbezooijen@springer.com
 Phone: +31 (0)78 657 6164

**Köttermann**

<http://www.kottermann.com/>
 Ignacio.Ampuero@koettermann.com
 Phone: +34 917320113

**Freshwater Biological Association**

<http://www.fba.org.uk/>
 info@fba.org.uk
 Phone: +44 (0)1539 442468

**AIL**

<http://www.limnologia.eu/>
 aelimno@telefonica.net

**Student Activities**

A number of activities have been organised specifically for students

Pre-Meeting course on "Successful scientific publishing and communication in freshwater sciences"

The pre-meeting course will take place on June 26th from 9 am till 5.30 pm in the Auditorium of Girona and is limited to students attending SEFS7. Students are considered as those participants who do not hold a PhD degree or have obtained it during the last 12 months. Accreditation will be required during the online registration process. The course will be carried out by plenary speakers attending SEFS7, and therefore by international scientists recognized by their high level in publishing and communicating science. The program of the course will be posted soon but it will cover issues such as:

- General aspects of scientific writing and communication: types of scientific publications, phases of the publishing process, how to select the appropriate journal
- The use of scientific English by native and non-native speakers: practical hints, common errors and sources of help
- The peer review process: the referee's point of view, answering a referee report, dealing with major revisions or rejections
- Poster and oral presentations at meetings: poster design and Powerpoint presentations, hints on oral communication

The course will finish with a roundtable from 15:00h to 17:00h, which is open to other seniors, students or postdocs, to a maximum of 90 people. Please join if you are interested.

The course is limited to the first 25 students registered. A registration fee of 50€ is required.

Students/Editors Get-Together "Editors' tips on publication and career advancement for young researchers"

Monday 27 June 18.30 – 20.30
Location: Sala D'Assaig – First Floor

The get-together is intended to provide a close contact between students and editors of the main freshwater journals in Europe. The get-together will take place during the meeting on an afternoon following the scientific sessions, and is limited to students attending SEFS7. Students are those participants that do not hold a PhD degree or have obtained it during the last 12 months. Accreditation will be required during the online registration process. During the get-together, Editors will provide tips for publication in their journals and students will have the opportunity to exchange ideas about the process in a very informal atmosphere. Food and drinks will be provided.

"Jovens / Jóvenes AIL" Booth: promoting the contact among young researchers

The young researchers and students of the Iberian Limnological Association (AIL), are represented at the meeting venue with the aim of welcoming young researchers from other European countries to Girona, and promoting scientific and social contacts among them. They will provide information regarding SEFS 2011 activities for younger participants and give good tips about interesting social and touristic activities in Girona and surroundings. Come to meet us at the booth!

A European platform of freshwater young researchers

Thursday 30 June 19.00-20.00
Location: Sala Petita – Ground Floor

The young researchers and students of the Iberian Limnological Association (AIL) invite all European students and postdocs to join an informal evening mixer during the SEFS meeting. The idea is to create a European platform to promote scientific and social contacts among young researchers. The mixer will start with a presentation of the main aims of the young researchers' committee in the AIL to encourage researchers from other European countries to be involved in a similar way in their respective societies. It will be followed with an informal exchange of opinions and the creation of the first steps of the platform. Drinks will be served.

Technical Excursions

Technical Excursions will take place on Wednesday 29 June. Buses leave in front of the Girona Auditorium and Conference Centre at 8.50 AM.

Biking along the Brugent stream and visit to the El Pastoral reservoir

(Anna Romani, Helena Guasch & Natàlia Corcoll)

A bike tour is proposed departing from Amer (nearby Girona) at the former rail-way station used now as

tourist information point of the green line "El Carrilet", a beautiful narrow gauge railway. "El Carrilet" was a local train route that connected the Garrotxa mountain area with the Mediterranean Sea until the middle of the 20th century. This path is now recovered for hiking and biking. The railway line follows the course of the Brugent stream, a tributary of the Ter River following a fault partially covered with basaltic materials. A first biking tour will have an approximate duration of 2 hours (including 60 min biking and site-seeing). After lunch, a second and shorter biking tour will lead to the Pasteral reservoir, used for drinking water purposes. Departure by bus from Girona is planned at 9:00 a.m. and return at around 6 p.m. This excursion is designed for a reduced number of people (20 maximum). Price per person: 50€

Sau Reservoir: a trip through geology, cultural heritage and ecology of a Mediterranean landscape

(Rafael Marcé and Joan Armengol)

In semi-arid regions like Mediterranean Spain, virtually all lowland still water systems are reservoirs, replacing lakes as the basic emotional link between people and lentic freshwater. Sau Reservoir is a paradigmatic case because of its magnificent scenic views, its function in the water supply system for Barcelona, and its role as an outdoor research laboratory. The trip will include a promenade on the tops of the Tavertet cliffs, one of the most famous biogenic calcareous formations from the Mesozoic oceans. Surrounded by the most spectacular of the meanders made by the reservoir, we will visit the 11th Century monastery of Sant Pere de Casserres, one of the most important monuments of Catalan Romanesque Architecture. Once in the reservoir we will enjoy the flooded 11th Century church of Sant Romà de Sau with its iconic emerged tower, probably the most celebrated picture in a Spanish reservoir. Nonetheless, during the visit we will review the research activities performed in the reservoir with a panel exposition, including eutrophication development, microbial ecology, oxygen cycle, El Niño and climate change impacts, a long-term monitoring program started in 1963 that represents one of the longest records in a reservoir in Europe, and much more. Departure by bus from Girona is planned at 9:00 a.m. and return at around 7 p.m. Price per person: 40€

Baix Ter wetlands and Montgrí-Medes-Baix Ter natural park

(Xavier D. Quintana)

The Montgrí-Medes-Baix Ter is a recently created (May 2010) natural park with different coastal ecosystems, including a karstic mountain with coastal cliffs (Massís del Montgrí), a set of karstic islands 1 Km offshore with remarkable underwater landscape (Medes Islands), and the river Ter estuary with related oligohaline to euhaline coastal wetlands. The area attracts tourism and is heavily affected by human pressure. Two Life restoration projects have been developed to recover a good ecological state of coastal wetlands. In the morning we will visit some restored sites at the Baix Ter wetlands, and we will discuss on the conservation problems with the managers of the Life projects. After lunch we will give observe the beautiful views of the coastal cliffs and some

submarine landscapes in a glass bottom boat. We will finish the visit in Pals, a medieval town with interesting gothic buildings. Departure by bus from Girona is planned at 9:00 a.m. and return at around 7 p.m. Price per person: 45€

"Estany de Banyoles" (Lake Banyoles) and Besalú Medieval Town

(Dani Boix and Lluís Zamora)

In the morning we will visit the karstic area of Banyoles-Porqueres characterized by the presence of the main lake "Estany de Banyoles", and several ponds around it. The lake and its associated lacustrine basin are regarded as the largest karstic in the Iberian Peninsula. We will start our trip visiting the pleasant spot of Can Morgat, where newly ponds were created to improve aquatic biodiversity in the framework of a European Life project. Staff management of the Lake Consortium will detail on the actions performed during past Life projects, as well as the actions planned in Lake Banyoles to regulate and control the exotic fauna in an ongoing Life project. Afterwards, we walk around the north part of Lake Banyoles in order to visit other restored wetlands. The final point of the walk is "La Draga", where we will visit an early Neolithic lakeside village. After lunch we will visit the historical town of Besalú. We will enter the town through the 12th century bridge on the Fluvià River. In Besalú we will visit several historical buildings as the church of Sant Pere, built in 1003, or the Jewish quarter. Departure by bus from Girona is planned at 9:00 a.m. and return at around 7 p.m. Price per person: 40€.

Note: Please keep in mind that the technical excursions are outdoor excursions, meaning that you will be exposed to the sun for most of the day. Temperatures in June can be fairly high so we strongly recommend that you bring drinking water, a hat, sunscreen lotion and appropriate outdoor clothing and shoes.

Photo Contest for the Technical Excursions

For those attending the technical excursions We would like to encourage you to take limnological photos during the trip and submit them to this contest! Photos submitted by the symposium participants (students or non-students) will be exhibit at the meeting venue. Voting will take place by secret vote at the photo display throughout the week and the winning photo will be announced in the meeting closure.

Rules:

- A maximum of two photos will be accepted per participant
- The photographs must be related to an aquatic theme and be in digital format.
- A descriptive caption must accompany the photo together with the author's name.
- The pictures should be sent to the email photos@sefs2011.com before midnight, 29th June 2011.
- Send the highest resolution you have, in jpg format.

PLENARY LECTURES

Monday 27 June 2011

08.30- 09.15 h.

Presented by: K.Tockner

Margaret A. Palmer - University of Maryland, USA

Presentation: "Restoration, Ecological Design, and Freshwater Ecosystem Services"

Abstract: As humans have adapted natural systems to their needs, the fundamental properties and historic characteristic of river ecosystems have been dramatically altered. Waterways throughout the world are under immense pressure to meet the needs of people yet many streams and rivers are already seriously polluted or otherwise ecologically degraded. Patterns of human development seem to be incompatible with preservation of freshwater ecosystems and the services they provide people. At this point in time, it is urgent that we use a combination of conservation, restoration, and ecological design to limit further loss of freshwater ecosystem services. To do this, policies must change at local, regional, and international scales. I will highlight research challenges and policy challenges particularly as they related to river restoration. I will argue that contrary to current views and practices, we need to abandon the concept of historical river conditions and instead focus on the socio-ecological potential of existing stream ecosystems. In some settings, we must re-invent rivers to meet societal needs and to be more self-sustaining than they are at present. Instead of using templates or reference reach approaches, I argue for design of novel systems, conservation of high [ecological] value streams and restoration approaches that promote the functionality and resilience. This cannot be done without a healthier partnership between restoration practitioners, scientists, and natural resource managers.

Biography: Dr. Margaret Palmer, Professor and Director of the Chesapeake Biological Laboratory of the University of Maryland Center for Environmental Science is an expert on watershed science and restoration ecology having worked on streams, rivers, and estuaries for 27 years and leading scientific projects at national and international levels. She has more than 150 scientific publications, serves as an editor for the journal *Restoration Ecology* and co-authored the book *The Foundations of Restoration Ecology*. Dr. Palmer has been honored as a AAAS Fellow, an Aldo Leopold Leadership Fellow, a Lilly Fellow, a Distinguished Scholar Teacher, and with an Ecological Society of America Distinguished Service Award.

Monday 27 June 2011

14.30- 15.15 h

Presented by M.Gessner

Guy Woodward - Queen Mary, University of London, United Kingdom

Presentation: "Assessing the impacts of climate change across multiple levels of organisation: from molecules to ecosystems"

Abstract: Climate change is a multifaceted "integrated stressor", comprised of several component parts.

These include: changes in environmental temperature, altered ecological stoichiometry between consumers and resources, and hydrological change. These different drivers can all influence multiple levels of biological organisation in fresh waters, from molecules to entire ecosystems, and they may act both individually and/or synergistically, in concert. In addition, local invasions and extinctions are likely, as species populations move between new climatic zones, potentially creating novel food webs.

Surprisingly little is known about the effects of climate change at the community, food web, or ecosystem level, as most research has been focused at the lower organisational (individual or population) levels.

I will attempt to outline how we might move towards addressing these gaps in our knowledge more systematically, within a coherent theoretical framework. I will present some recent studies conducted at the higher organisational levels using a range of approaches, from experimental manipulations to empirical surveys and mathematical modelling, to illustrate how these may be integrated to provide new insights. Although our understanding is still embryonic, some recurrent patterns are emerging from empirical studies and theoretical developments are moving forward apace: this offers promise for further rapid advances, as we try to grapple with arguably the most serious threat faced by freshwater ecosystems in the 21st century.

Biography: Dr Woodward's current research interests are focused on quantifying the impacts of stressors (climate change, acidification, eutrophication, species invasions and habitat alteration) on the structure and functioning of aquatic ecosystems. He is currently collaborating with a range of experts from different disciplines in order to understand the links between patterns and processes in natural systems, and to develop a conceptual framework within which to advance ecological theory. He is particularly interested in how metabolic and foraging theory can be applied to complex ecological systems. Body size and temperature determine basal metabolic rate and foraging activity: the consequences of this are manifested across multiple levels of biological organisation, from individuals to entire ecosystems. Allometric scaling relationships are common in nature (e.g. body size versus ingestion rate, growth rate, interaction strength etc.) and can have potentially profound effects on the structure and dynamics of complex ecological networks (food webs, plant-pollinator networks etc.) and their ability to withstand perturbations, and much of his work is now focused particularly on developing new approaches to understand the impacts of climate change in multispecies systems.

Tuesday 28 June 2011

8.30- 9.15 am

Presented by M. Mutz

Andrew Boulton - University of New England, Australia

Presentation: "Challenges in conservation and management of groundwater-surface water linkages in rivers"

Abstract: Scientists have been aware of the ecological significance of hydrological linkages between groundwater and surface water in rivers for decades. For example, many rivers have a substantial baseflow component derived from groundwater, active hyporheic

zones function below many gravel- and sand-bed rivers, and most temporary streams are fed by or feed shallow groundwater aquifers. However, the application of this knowledge to conservation and management of groundwater-surface water linkages has been slow. Too often, waters in shallow alluvial aquifers and surface waters of overlying rivers are managed as if they were separate entities. Worse still, conservation is seldom focused on specific zones of active linkages (e.g., recharge zones on floodplains, significant sequences of hyporheic zones, discharge zones into shallow aquifers). Similarly, restoration of such areas lags far behind that of riparian zones or surface water channels.

After reviewing our ecological knowledge of groundwater-surface water linkages in permanent and temporary rivers and streams, I discuss challenges facing scientists and managers seeking to collaborate to conserve and manage these linkages. These challenges range from ignorance of the ecological significance of the linkages through to what seems like political chicanery in some cases of water resource (mis)management. The problems are especially severe in arid and semi-arid countries where wise water resource management is essential. Restoration of groundwater-surface water linkages is still in its infancy but some early results indicate improvements in water quality of surface and groundwater. Until we seek to manage and conserve permanent and temporary rivers and their aquifers as a single integrated unit, we risk serious damage to their ecology as well as jeopardise provision of crucial ecosystem goods and services. We also squander opportunities (e.g., via hypothesis-driven manipulation of various restoration strategies at a catchment-aquifer scale) to research the mechanisms by which groundwater-surface water interactions affect rivers and their aquifers.

Biography: After completing his undergraduate degree in Zoology at the University of Western Australia in 1981, he did a PhD at Monash University studying macroinvertebrate ecology in two Victorian intermittent streams. In 1988, he took up a lectureship at Adelaide University for two years before spending a year at Arizona State University lecturing in limnology and working on desert streams. He returned to Adelaide University as an ARC Postdoctoral Fellow for three years and in 1994, was appointed a lecturer at UNE. He presently lectures in water resource management and aquatic ecology at first, second and final year levels. He also co-teaches resource survey and biostatistics, and supervises a number of postgraduate and fourth-year projects in many aspects of applied limnology. Current research interests include aquatic invertebrate ecology, organic matter dynamics in streams and estuaries, subsurface (hyporheic) fauna and processes, and effects of catchment land-use (forestry, mining, agriculture) on aquatic ecosystems.

Tuesday 28 June 2011

14.30- 15.15 h.

Presented by C.Dahm

Arturo Elosegi - University of the Basque Country, Spain

Presentation: "Channel form, water flow, and river ecosystem functioning"

Because of the serious effects of pollution on water supply, water agencies have historically paid much closer

attention to water quality than to other aspects of river integrity. More recently, however, it became evident that human impacts on channel form and water flow are also impairing seriously river health and thus threatening the benefits the society can derive from these ecosystems. Most river ecosystem functioning depends on river hydromorphological integrity, as shown by the relationship between hyporheic flow and nutrient retention, or the effects of channel complexity on storage and breakdown of coarse organic matter. Additionally, changes in channel form or water flow often lead to shifts in composition of biological communities, which in turn affect ecosystem functioning. Human activities are speeding up through the planet as a result of increased population and more powerful technologies. This is leading to increased rates of modification in river channels in such a way that, even where water pollution is decreasing, river biota does rarely recover to high status. Therefore, it is necessary to make an effort to understand the main principles underlying the relation between channel form, water flow and river ecosystems, so we can design the best strategies to recover truly functioning rivers in the current, highly modified landscapes.

Biography: His research is focused on the relationship between the structure and functioning of stream ecosystems, such as the role of channel complexity in nutrient retention, or the relationship between algal biomass and ecosystem metabolism. He has applied this perspective to study the effect of multiple human activities, from forestry to water abstraction or global climate change, on the functioning of stream ecosystems. He is also interested in river restoration projects and in management of riparian areas.

Thursday 30 June 2011

08.30- 09.15 h.

Presented by N.Grimm

Gilles Pinay - University of Birmingham, United Kingdom

Presentation: "Why bother about land water interfaces? A watershed view"

Land water interfaces such as riparian zones have long suffered from the duality of their origin and maintenance, being too wet for agronomists and too dry for hydrobiologists. They recently became a hot spot for conflicting interests spanning from biodiversity refuge, flood mitigation or diffuse pollution control. Yet, none of the lobbyists pushing any of their agendas are willing to admit that these interfaces can do a lot of it if, and only if, we preserve their intrinsic need for wandering between land and water. This presentation, using diffuse pollution control as an example, will explore, in the light of the current available information, what are the opportunities and constraints to maintain or restore land water interfaces along streams and rivers.

Biography: Master of Sciences 1984 & PhD 1986, University of Lyon I, France; Habilitation (HDR) 1993, University of Toulouse France. 1987-1988: Associate Researcher, International Institute for Applied System Analysis (I.I.A.S.A.) Vienna, Austria. 1988: Associate Researcher, University of Minnesota, U.S.A. 1989-1994: Research Scientist, French National Centre for Scientific Research (C.N.R.S.) Toulouse, France. 1995-2002: Research Scientist, University of Rennes, France. 2002-2005: Director of Research, Centre

of Functional and Evolutionary Ecology (CEFE) in Montpellier, France. 2005-2007: Associate Researcher, University of Vienna, Austria.

Thursday 30 June 2011

14.30- 15.15 h.

Presented by E. Garcia Berthou

Kurt D. Fausch - Colorado State University, USA

Presentation: "Ecological futures are bleak for fishes in western Great Plains riverscapes (USA) subject to groundwater pumping for agriculture"

The Great Plains is one of the largest ecoregions in North America, and produces about 25% of the world's grain. Much of this agricultural production is supported by pumping groundwater, causing large declines in groundwater levels and streamflow, and resulting in loss of lotic habitats. We linked measurements of habitat at three scales (basin, segment, pool) to a spatially and temporally explicit groundwater model and used this to predict future scenarios for fish habitat throughout the remaining core habitat of the 110-km long Arikaree River in eastern Colorado under three scenarios of groundwater pumping. In each case, pumping was unsustainable, causing losses of about 45-65% of the remaining refuge pools within 35 years, all of which will be isolated within a 1-2 km reach. Despite key adaptations of the fish fauna that allow species to reproduce, disperse, and persist in this highly dynamic ecosystem, 5 of 16 native species have already disappeared, and this habitat loss would likely extirpate most of the rest in this basin. Unfortunately, stabilizing habitat at its current depleted level would require reducing pumping by 75%, which is not economically feasible. Scaling up analysis to multiple basins throughout the High Plains (Ogallala) Aquifer, which covers parts of 8 US states (South Dakota to Texas), showed that these large declines in groundwater levels due to pumping are not isolated to the Arikaree River, but have occurred over most of the western Great Plains. Mapping groundwater declines in western Kansas to predict stream channel drying showed that wetted segments declined from about 2500 to 1500 km over the last 50 years (1955 to 2005), a 40% decline. Forecasting further declines suggests that only 1000 km of lotic habitat will be available by 2045, resulting in a bleak ecological future for many western Great Plains fishes.

Biography: Research in his laboratory focuses on the ecology and management of streams and stream fishes. His students and collaborators are especially interested in the interaction of stream fishes with their habitat at different spatial and temporal scales. They have been involved in research on interspecific competition among salmonids in Rocky Mountain streams; invasions by nonnative salmonids and their effects on stream and riparian food webs; recruitment bottlenecks and climate change that hamper conservation of native cutthroat trout in Colorado; effects of agricultural pumping on habitats that support rare fishes in Great Plains streams; and effects of livestock grazing on terrestrial invertebrate subsidies that sustain trout in foothills rangeland streams. Recent work has been funded by the National Science Foundation, Colorado Division of Wildlife, U.S. Forest Service, U.S. Bureau of Reclamation, U.S. Department of the Interior, Natural

Resources Conservation Service, U.S. Fish and Wildlife Service, Colorado Water Resources Research Institute, National Park Service, U.S. Army, Japanese Society for the Promotion of Science, U.S. Environmental Protection Agency, and Trout Unlimited.

Friday 1 July 2011

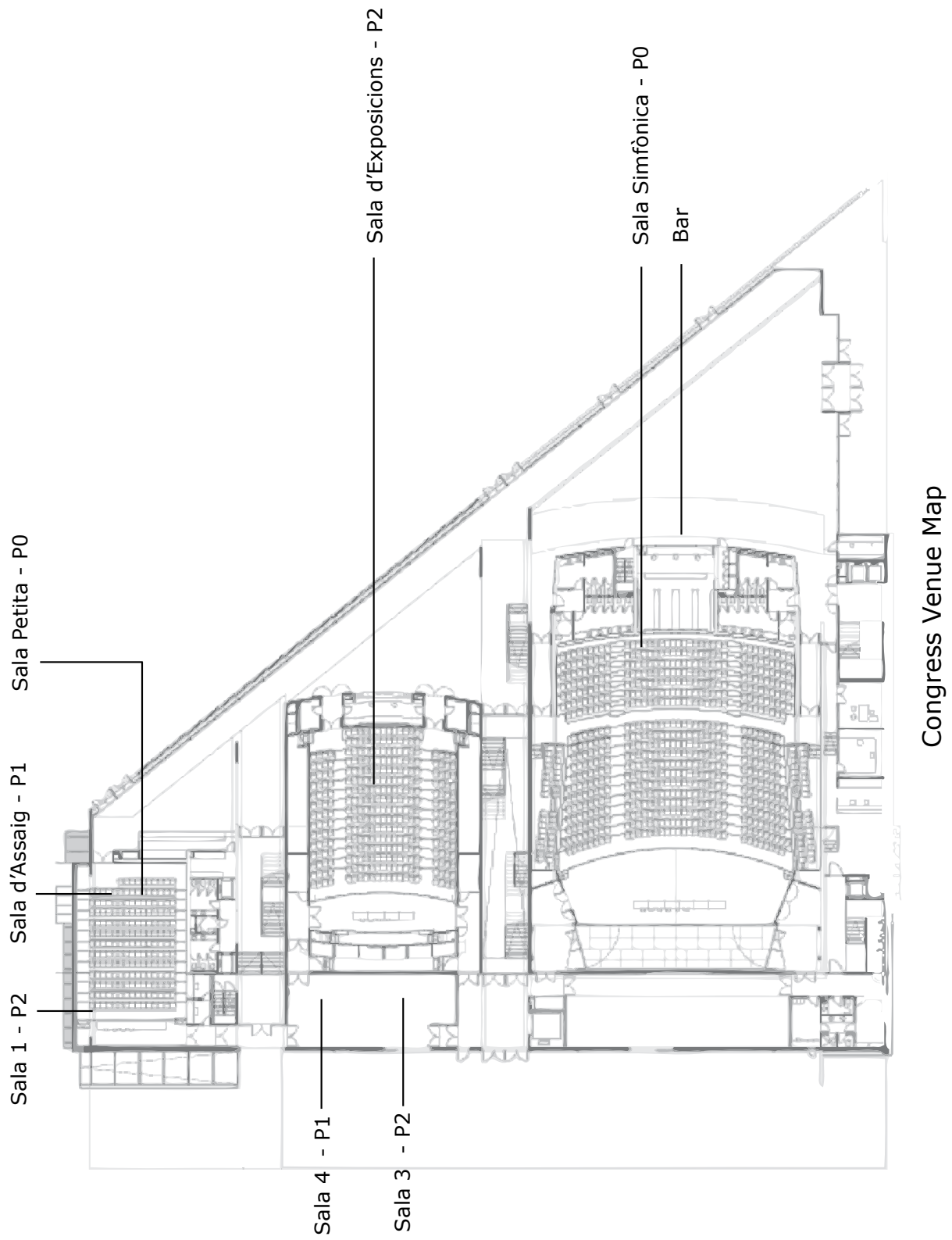
08.30- 09.15 h.

Presented by V. Acuña

David M. Livingstone - Swiss Federal Institute of Environmental Science and Technology (EAWAG), Switzerland

Presentation: "The physical impact of large-scale climatic forcing and long-term climate change on inland waters"

Biography: Some of Dr. Livingstone's specific research interests connected with the general topic of the impact of climate change on our water resources are:
 Influence of long-term climate change on physical lake variables
 Regional coherence of limnological variables
 Lake and river ice phenology
 Influence of the North Atlantic Oscillation on physical lake variables
 Studies of remote high-altitude lakes
 Other research interests have included lake-atmosphere gas exchange; transport and burial as a cause of fish egg mortality; modelling hypolimnetic oxygen profiles; determination of climate-relevant periodicities in sediment varve thicknesses; and the rotary spectral analysis of wind vectors.



Congress Venue Map

Monday 27 June 2011

Room	Sala Simfònica Ground floor	Sala Petita Ground floor	Sala d'Assaig First floor	Sala 1 Second floor	Hall I Ground floor	Halls (Simf + Cambra + Petita) Ground floor
08:30 - 09:15	M. Palmer Plenary					
09:15 - 09:30	03. Bonet		06. Sarmento	SS6. Lobon		
09:30 - 09:45	03. Bouchez	SS3. Ibisate	06. Sommaruga	SS6. Jhéu		
09:45 - 10:00	03. Fernandez-Piñas	SS3. Bellefi	06. Gerphagnon	SS6. Carnona		
10:00 - 10:15	03. López-Doval	SS3. Barquin	06. Camacho	SS6. Pekcan		
10:15 - 10:30	03. Morin	SS3. Corenbilit	06. Artigas	SS6. Kakareko		
10:30 - 11:00		Morning Break				
11:00 - 11:15	03. Quesada	SS3. Bodner	06. Diaz	SS6. Garcia		
11:15 - 11:30	03. Ricat	SS3. Stella	06. Frossard	SS6. Alexandre		
11:30 - 11:45	03. Rimet	SS3. González	06. Fellp	SS6. Magellan		
11:45 - 12:00	03. Young	SS3. Reich	06. Merdt	SS6. Calola		
12:00 - 12:15	03. Sabater	SS3. Harper	06. Rujik	SS6. Benejam		
12:15 - 12:30	03. Alba-tercedor	SS3. Statzner	06. Garra-Lledo	SS6. Grantham		
12:30 - 12:45	03. Lutter	SS3. Haschenb	06. Racchetti	SS6. Santos		
12:45 - 13:00	03. Mas-Pla		06. Ramio			
13:00 - 14:15		Lunch				
14:30 - 15:15	G. Woodward Plenary					
15:15 - 15:30	03. Font	SS3. Kail	SS8. Finn	SS9. Fiatz		
15:30 - 15:45	03. Gee	SS3. Molinero	SS8. Ballint	SS9. Romero		
15:45 - 16:00	03. Kolberg	SS3. Acuña	SS8. Vila-Costa	SS9. Alric		
16:00 - 16:30		Afternoon Break				
16:30 - 16:45	03. Leonard	SS12. Robertson	SS8. Leese	SS9. Siltonen		
16:45 - 17:00	03. Murphy	SS12. De Mendoza	SS8. Alp	SS9. Rivera		
17:00 - 17:15	03. Sellares	SS12. Majdi	SS8. Paz	SS9. López-Blanco		
17:15 - 17:30	03. Peñas	SS12. Buffan-Dubau	SS8. Kohout	SS9. Catalan		
17:30 - 17:45	03. Alvarez-Cabria	SS12. Weitere	SS8. Freimann	SS9. Savitchcheva		
17:45 - 18:00	03. Arce	SS12. Moens	SS8. Filloi			
18:00 - 18:15						
18:15 - 18:30						
18:30 - 18:45						
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Exhibits and posters

Exhibits and posters

Course Students
Editors Get-
Together

MONDAY, 27 JUNE 2011**03 Environmental Management**

Location: Sala Simfònica

Chair P. Davies

09:15 Bonet, Berta; Corcoll, Natàlia; Acuña,
03-1 Vicenç; Sigg, Laura Sigg³; Behra, Renata;
Guasch, Helena
BIOFILMS' ANTIOXIDANT ENZYME
ACTIVITIES RESPONSES TO MULTIPLE-
STRESS IN FLUVIAL SYSTEMS

09:30 Bouchez, Agnès; Tili, Ahmed; Bérard, Annette;
03-2 Montuelle, Bernard
IMPACT OF CHRONIC AND PULSE PESTICIDE
EXPOSURES ON PERIPHYTON COMMUNITIES

09:45 Fernández-Piñas, Francisca; Rodea-Palomares,
03-3 Ismael; Leganés, Francisco; Rosal, Roberto;
González-Pleiter, Miguel
RISK ASSESSMENT OF MIXTURES: STUDY
OF THE NATURE OF INTERACTION BETWEEN
POLLUTANTS IN COMPLEX MIXTURES BY THE
COMBINATION INDEX METHOD

10:00 López-Doval, Julio C.; Ricart, Marta;
03-4 Villagrasa, Marta; Barceló, Damià; Ginebreda,
Antoni; Guasch, Helena; López De Alda,
Miren; Orendt, Claus; Romaní, Anna; Brix,
Rikke; Sabater, Sergi; Muñoz Gracia, Isabel
DISCRIMINATING KEY CHEMICAL POLLUTANTS
IN A MEDITERRANEAN RIVER DURING LOW
FLOW REGIME AND THEIR RELATIONSHIP
WITH BENTHIC COMMUNITIES

10:15 Morin, Soizic; Rosebery, Juliette; Chauvin,
03-5 Christian; Liebig, Hervé; Hupin, Claire;
Renard, Vincent; Rebillard, Jean-Pierre
COMBINING DIATOMS, MACROPHYTES,
MACROINVERTEBRATES AND FISH TO
ASSESS THE EFFECTS OF INDUSTRIAL
WASTES: WHEN BIOLOGY TEACHES MORE
THAN CHEMICAL MONITORING.

Chair R. Young

11:00 Quesada, Antonio; Agha, Ramsy; Cires,
03-6 Samuel; Wormer, Lars; Barrios, Elena; Ruza,
Javier
CYANOBACTERIA IN RECREATIONAL WATERS.
THE NEW EUROPEAN LEGISLATION

11:15 Ricart, Marta; Guasch, Helena; Barceló,
03-7 Damià; Bonnineau, Chloé; Farré, Marinel·la;
Lürling, Miquel; Romaní, Anna M.; Morin,
Soizic; Proia, Lorenzo; Sabater, Sergi
THE PCP TRICLOSAN: AN EMERGING
COMPOUND OF ENVIRONMENTAL CONCERN
IN FLUVIAL ECOSYSTEMS

11:30 Rimet, Frédéric; Bouchez, Agnès
03-8 TAXONOMIC RESOLUTION OF RIVER DIATOMS:
STRUCTURING IMPACT OF ENVIRONMENTAL
PARAMETERS AND IMPLICATIONS FOR
BIOMONITORING

11:45 Young, Roger; Fenemor, Andrew; Phillips, Chris;
03-9 Allen, Will; Gillespie, Paul; Davies-Colley, Rob;
Smith, Rob; Deans, Neil; Kilvington, Margaret

LESSONS FROM 10 YEARS OF INTEGRATED
CATCHMENT MANAGEMENT RESEARCH

12:00 Sabater, Francesc; Riera, Joan Lluís; Martí,
03-10 Eugènia; Altuna, Maddi; Comas, Joaquim;
Díez, Joserra; Elozegi, Arturo
STREAMES 1.0©, AN ENVIRONMENTAL
DECISION SUPPORT SYSTEM FOR STREAM
MANAGEMENT WITH EMPHASIS ON
ECOSYSTEM FUNCTIONALITY AT REACH
SCALE

12:15 Alba-Tercedor, Javier; Rodríguez-López,
03-11 Roberto; Poquet, José Manuel,
MEDPACS and ACADARI, beyond the
development of ecological status assessment
tools for freshwater ecosystems: predicting the
effect of global warming on macroinvertebrate
communities of Spanish Mediterranean water-
courses

12:30 Lutter, Stephan; Schnepf, Doris
03-12 MELIA: WATER MANAGEMENT INDICATORS
FOR THE MEDITERRANEAN REGION

12:45 Mas-Pla, Josep; Menció, Anna; Marsiñach,
03-13 Albert; Rodríguez-Florit, Agustí; Brusi,
David; Boada, Martí
IDENTIFICATION OF STREAM FLOW SOURCES
BY MEANS OF HYDROCHEMICAL END-MEMBER
MIXING ANALYSIS (TORDERA RIVER, NE
SPAIN)

Chair J.L. Moreno

15:15 Font, Eva; Mas-Pla, Josep; Menció, Anna;
03-14 Astui, Oihane; Rodríguez-Florit, Agustí; Folch,
Albert; Pérez-Paricio, Alfredo; Brusi, David
MODELLING STREAM AND GROUNDWATER
DYNAMICS TO EVALUATE HUMAN PRESSURES
ON STREAM DISCHARGE AT THE LOWER
ARBÚCIES RIVER BASIN (NE SPAIN)

15:30 Gee, John
03-15 INCREASING BIODIVERSITY BY RIVER
RESTORATION – AN UNREALISTIC GOAL?

15:45 Kolberg, Solveig; Dios-Palomares, Rafela;
03-16 Berbel, Julio
DETERMINANTS FOR ACCESS TO IRRIGATION
WATER IN GUADALQUIVIR RIVER BASIN, SPAIN.

Chair JL Moreno

16:30 Leonard, Paul; Martin, Keith; Varvill,
03-17 Katherine
DEVELOPING BETTER COMMUNITY USE OF
THE RIVER CRANE, A TRIBUTARY OF THE
RIVER THAMES

16:45 Murphy, John; Jones, J. Iwan; Naden, Pam;
03-18 Anthony, Steve; Duerdoth, Chas; Hawczak,
Adrianna; Pretty, James; Blackburn, John;
Fawcett, Chris; Skates, James
CAN AGRI-ENVIRONMENT SCHEMES PROTECT
AND ENHANCE FRESHWATER ECOSYSTEMS?

17:00 Ordeix, Marc; Sellarès, Núria; Jiménez,
03-19 Laia; Puntí, Tura; Sala, Lluís
ENVIRONMENTAL RESULTS OF SEVERAL

EXPERIENCES OF RECLAIMED WATER INTAKES IN COASTAL MEDITERRANEAN STREAMS OF CATALONIA, NE OF THE IBERIAN PENINSULA.

17:15 Peñas, Francisco J.; Barquin, Jose; Snelder, Ton; Booker, Doug; Álvarez-Cabria, Mario; Fernandez, Diego

03-20 COMPARISON OF NATURAL FLOW REGIME CLASSIFICATIONS BASED ON DIFFERENT STRATEGIES.

17:30 Álvarez-Cabria, Mario; Ruiz, Oscar A.; Barquín, José; Fernández, Diego; Ondiviela, Bárbara; Recio, María; Peñas, Francisco J.; Oti, Laura; Juanes, José A.

03-21 THE EVALUATION OF SPECIES CONSERVATION STATUS: A CASE STUDY FOR THE SPANISH AUTOCHTHONOUS CRAYFISH (AUSTROPOTAMOBIVUS PALLIPES) IN THE CANTABRIAN RIVERS, NORTHERN SPAIN.

17:45 Arce, Evelyne; Le Goff, Guillaume; Josset, Aurélie; Roger, Marie-Claude; Gautier, Yolande; Touron-Poncet, Heliott; Louche, Chloé; Archaimbault, Virginie

03-22 EFFECTS OF WATER POLLUTION ABATEMENT AND HYDROMORPHOLOGICAL RESTORATION ON MACROINVERTEBRATE COMMUNITY FROM THE VISTRE RIVER (FRANCE)

SS3 Form and function: channel morphology, hydraulic integrity and river ecosystem functioning

Chair: Elosegi, A. and Mutz, M.

09:30 Ibisate González de Matauco, Askoa; Díaz Bea, Elena; Ollero Ojeda, Alfredo; Gonzalo Peña, Laura Elisabet; Fuentes Retamar, Javier

SS3-2 CHANNEL ADJUSTMENT RESPONSE TO HYDROPOWER STATIONS IN A MEANDERING RIVER, THE LOWER REACH OF ARAGON RIVER

09:45 Belletti, Barbara; Dufour, Simon; Piégay, Hervé

SS3-3 REGIONAL VARIABILITY OF AQUATIC HABITAT PATTERN IN BRAIDED REACHES (EXAMPLE OF THE FRENCH RHONE BASIN)

10:00 Barquín, José; Snelder, Ton; Booker, Doug; Álvarez-Cabria, Mario; Peñas, Francisco; Fernández, Diego

SS3-4 MODELLING PHYSICAL CHARACTERISTICS OF HABITATS FROM RIVER REACHES TO ENTIRE RIVER NETWORKS IN NORTHERN SPAIN

10:15 Corenblit, Dov; Steiger, Johannes; Delmotte, Sébastien

SS3-5 FUNCTIONAL COMPONENTS OF FLUVIAL LANDFORMS: WHAT DOES IT MEAN AND HOW DOES IT WORKS ?

Chairs: Chair: Elosegi, A. and Mutz, M.

11:00 Bodmer, Pascal; Doering, Michael; von Fumetti, Stefanie; Robinson, Christopher; Nagel, Peter

SS3-6 HABITAT HETEROGENEITY, RESPIRATION AND HYDROLOGICAL DYNAMICS IN AN ALPINE FLOODPLAIN IN SWITZERLAND

11:15 Stella, John; Riddle, Jess; Piégay, Hervé; Teece, Mark

SS3-7

INTEGRATING TREE-RING AND STABLE CARBON ISOTOPE ANALYSES TO MEASURE RIPARIAN ECOSYSTEM FUNCTION, INTEGRITY, AND MESO-SCALE HYDROGEOMORPHIC IMPACTS

11:30 Gonzalez Del Tanago, Marta; García de Jalón, Diego; Román, Mercedes; Bejarano, M. Dolores; Figueroa, Antonio

SS3-8 RIPARIAN CORRIDOR CHANGES IN THE GUADALETE RIVER (CÁDIZ, SOUTHERN SPAIN) AS A CONSEQUENCE OF FLOW REGULATION AND AGRICULTURE SOIL EROSION

11:45 Reich, Michael; Bargiel, Damian; Rühmkorff, Hilke

SS3-9 LONG-TERM CHANGES IN VEGETATION PATTERN AND CHANNEL MORPHOLOGY IN A BY-PASSED SECTION OF A BRAIDED GRAVEL BED RIVER – THE ROLE OF RESIDUAL FLOWS, PEAK FLOODS AND GRAVEL EXTRACTION.

12:00 Harper, David; Demars, Benoit; Kemp, Joanna; Friberg, Nikolai; Usseglio-Polatera, P

SS3-10 LINKING HABITATS TO INVERTEBRATES IN RIVERS: BIOLOGICAL TRAITS, TAXONOMIC COMPOSITION AND DIVERSITY

12:15 Statzner, Bernhard

SS3-11 MODELING BED-SEDIMENT ENGINEERING BY LOTIC FISH AND CRAYFISH

12:30 Haschenburger, Judy

SS3-12 A LONGER-TERM VIEW OF STREAMBED DISTURBANCE CAUSED BY FLOODS

Chairs: Elosegi, A. and Mutz, M.

15:15 Kail, Jochem; Arle, Jens; Wolter, Christian

SS3-13 SCALE MATTERS – THE INFLUENCE OF LOCAL HYDROMORPHOLOGICAL ALTERATIONS AND ANTHROPOGENIC STRESSORS AT LARGER SPATIAL SCALES ON THE ECOLOGICAL STATUS OF CENTRAL EUROPEAN RIVERS

15:30 Molinero, Jon; Díez, José Ramón; Flores, Lorea; Elosegi, Arturo

SS3-14 CHANGES IN CHANNEL FORM AND STREAM FUNCTIONING INDUCED BY WOOD RESTORATION IN MOUNTAIN STREAMS

15:45 Acuña, Vicenc; Díez, Joserra; Flores, Lorea; Elosegi, Arturo

SS3-15 STREAM RESTORATION BY WOOD ADDITION – CONNECTING REACH AND BASIN SCALES BY ECOSYSTEM SERVICES

SS12 Freshwater Meiofauna - legitimately neglected or important contributors to ecosystem functioning?

Location: Sala Petita

Chairs: Peter, L. Robertson, A.L.

16:30 Robertson, Anne; Gaudes, Ainhoa

SS12-1 FRESHWATER MEIOFAUNA: NOT QUITE SO 'OUT OF SIGHT, OUT OF MIND'?

16:45 De Mendoza, Guillermo; Traunspurger, Walter; Palomo, Alejandro; Catalan, Jordi

SS12-2 TESTING THE EURYOECIOUS CHARACTER OF NEMATODES AGAINST THE ALTITUDINAL

- ENVIRONMENTAL GRADIENT OF MOUNTAIN LAKES
Chair Romani, A.
- 17:00 Majdi, Nabil; Mialet, Benoît; Tackx, Michèle;
SS12-3 Traunspurger, Walter; Buffan-Dubau,
Evelyne
NATURAL FEEDING HABITS OF BIOFILM-
DWELLING NEMATODES STUDIED WITH A
MULTI-METHOD APPROACH
- 17:15 Buffan-Dubau, Evelyne; Majdi, Nabil;
SS12-4 Mialet, Benoît; Boyer, Stéphanie; Leflaive,
Joséphine; Boulêtreau, Stéphanie; Ten-
Hage, Loïc; Julien, Frédéric; Fernandez,
Robert; Tackx, Michèle
RELATIONSHIP BETWEEN AN EPILITHIC BIOFILM
AND ITS ASSOCIATED MEIOFAUNA UNDER TWO
PATTERNS OF FLOOD DISTURBANCE IN THE
GARONNE RIVER (FRANCE)
- 17:30 Weitere, Markus; Kathol, Marcel; Fischer,
SS12-5 Helmut
BEYOND BIVALVES: THE POTENTIAL ROLE
OF BENTHIC MICRO-CONSUMERS IN THE
PELAGIC-BENTHIC COUPLING IN RIVERS
- 17:45 Moens, Tom; De Meester, Nele; Gingold,
SS12-6 Ruth; Rigaux, Annelien; Derycke, Sofie
NEMATODES AND ECOSYSTEM FUNCTIONING:
DOES (CRYPTIC) SPECIES DIVERSITY
MATTER?
- O6 Microbial Ecology**
Location: Sala d' Assaig
Chair Sommaruga, R.
- 09:15 Sarmiento, Hugo; Vila-Costa, Maria; Auguet,
06-1 Jean Christophe; Felip, Marisol; Camarero,
Lluís; Casamayor, Emilio O.; Gasol, Josep Maria
BULK HETEROTROPHIC METABOLISM
AND SINGLE-CELL PHYSIOLOGY OF
BACTERIONEUSTON IN HIGH MOUNTAIN LAKES
- 09:30
06-2 Sommaruga, Ruben; Holzer, Evelyn; Koblizek,
Michal; Cuperová, Zuzana
ARE AEROBIC ANOXYGENIC PHOTOTROPHIC
BACTERIA NUMERICALLY IMPORTANT IN
TRANSPARENT ALPINE LAKES?
- 09:45
06-3 Gerphagnon, Melanie; Latour, Delphine;
Colombet, Jonathan; Sime-Ngando, Télesphore
CHYTRID PARASITISM: A MISSING FACTOR
INVOLVED IN THE DECLINE OF CYANOBACTERIAL
BLOOMS
- 10:00
06-4 Camacho, Antonio; Picazo, Antonio; Villaescusa,
Jose Antonio; Rico, Eugenio; Quesada, Antonio
ON THE ROLE OF BIOTIC INTERACTIONS AS
DRIVERS OF THE PLANKTONIC FOOD WEB
STRUCTURE IN A MARITIME ANTARCTIC LAKE
- 10:15
06-5 Artigas, Joan; Pascual, Noémie; Chastain,
Jeffrey; Voyard, Guillaume; ter Halle,
Alexandra; Bouchez, Agnès; Tadonleke, Remy;
Pesce, Stéphane
SENSIBILITY OF AQUATIC BACTERIAL
COMMUNITIES TO CONTAMINANTS IN WINE-
PRODUCING WATERSHEDS: APPROACH IN
RIVERS AND LAKES
- 11:00 Diaz de Quijano, Daniel; Felip, Marisol;
06-6 Nedoma, Jairo
Should single-cell phosphatase activity be
quantified on 3D images?
- 11:15
06-7 Frossard, Aline; Gerull, Linda; Mutz,
Michael; Gessner, Mark
EFFECTS OF LITTER QUALITY AND QUANTITY
ON MICROBIAL COMMUNITY STRUCTURE,
BIOMASS AND ENZYME ACTIVITIES DURING
STREAM SUCCESSION
- 11:30
06-8 Felip, Marisol; Ballen, Miguel Angel; Medina-
Sánchez, Juan-Manuel; Catalan, Jordi
SELECTIVE FEEDING ON ARCHAEA BY SOME
MIXOTROPHIC FLAGELLATES IN NATURAL
ASSEMBLAGES
- 11:45
06-9 Merbt, Stephanie; Auguet, Jean-Christophe;
Ortega Casamayor, Emilio; Marti, Eugenia
INFLUENCE OF A WASTE WATER TREATMENT
PLANT ON THE RECOVERY PATTERN OF STREAM
BIOFILMS AND THE SPATIAL SEGREGATION
BETWEEN BACTERIAL AND ARCHAEAL
NITRIFIERS
- 12:00
06-10 Rulik, Martin; Brabcova, Lenka; Buriankova,
Iva; Mach, Vaclav; Hyblova, Aneta;
Badurova, Pavla; Cap, Lubomir; Bednarik,
Adam; Vaskova, Martina
ACTIVITY AND DISTRIBUTIONAL PATTERNS
OF METHANOGENS AND METHANOTROPHS
IN THE HYPORHEIC SEDIMENTS OF A SMALL
LOWLAND STREAM
- 12:15
06-11 García-Lledó, Arantzazu; Vilar-Sanz, Ariadna;
Trias, Rosalia; Hallin, Sara; Bañeras, Lluís
POTENTIAL TO SIGNIFICANT N₂O EMISSIONS
FROM THE SEDIMENT OF A FREE WATER
SURFACE CONSTRUCTED WETLAND
- 12:30
06-12 Racchetti, Erica; Ribaud, Cristina; Longhi,
Daniele; Bartoli, Marco; Viaroli, Pierluigi
NITROGEN UPTAKE AND DISSIMILATIVE
REDUCTION IN VEGETATED SEDIMENTS
(*V. SPIRALIS*) ALONG AN EUTROPHICATION
GRADIENT
- 12:45
06-13 Ramió-Pujol, Sara; Bañeras, Lluís; Artigas,
Joan; Romani, Anna
Changes in the bacterial phenol-degrading
community along the decomposition of
Platanus acerifolia leaves in a forested stream
- SS8 Freshwater molecular ecology - diversification,
gene expression and climate change**
Chairs: Pauls, S.U. and Monaghan, M.T.
- 15:15
SS8-1 Finn, Debra; Khamis, Kieran; Milner, Alexander
LOSS OF PYRENEAN GLACIERS LIKELY WILL
HAVE A STRONG NEGATIVE EFFECT ON
REGIONAL POPULATION-GENETIC DIVERSITY
OF *BAETIS ALPINUS* (EPHEMEROPTERA)
- 15:30
SS8-2 Balint, Miklos; Pauls, Steffen; Nowak,
Carsten; , et al.
CLIMATE CHANGE WILL LEAD TO MASSIVE
LOSS OF GENETIC AND CRYPTIC DIVERSITY

15:45 Vila-Costa, Maria; Sharma, Shalabh; Moran,
SS8-3 Mary Ann; Casamayor, Emilio Ortega
DIEL GENE EXPRESSION PROFILES IN A HIGH-
ALTITUDE LAKE THROUGH METRANSCRIPTOMICS

Chairs: Pauls, S.U. and Monaghan, M.T

16:30 Leese, Florian; Tollrian, Ralph
SS8-4 ECOLOGICAL GENOMICS: FIRST INSIGHTS
INTO THE GENETIC BASIS OF INDUCIBLE
DEFENSES IN DAPHNIA

16:45 Alp, Maria; Westram, Anja; Junker, Julian;
SS8-5 Karpathi, Theresa; Werth, Silke; Keller,
Irene; Peter, Armin; Scheidegger, Christoph;
Robinson, Christopher
HOW RIVERSCAPE STRUCTURE AND
BIOLOGICAL TRAITS DETERMINE DISPERSAL
AMONG RIPARIAN/STREAM ORGANISMS:
USING MICROSATELLITES TO HELP RESOLVE
ECOLOGICAL QUESTIONS.

17:00 Paz, Ivan; Quemere, Erwan; Chikhi, Lounès;
SS8-6 Loot, Géraldine; Blanchet, Simon
ASSESSING THE IMPACT OF HABITAT
FRAGMENTATION ON THE DEMOGRAPHIC
HISTORIES OF POPULATIONS EXPERIENCING
ASYMMETRIC GENE FLOW.

17:15 Kohout, Jan; Šeďivá, Alena; Jašková, Iva;
SS8-7 Papoušek, Ivo; Šlechta, Vlastimil
GENETIC STRUCTURE OF BROWN TROUT IN
CENTRAL EUROPE IS STRONGLY AFFECTED
BY STOCKING WITH HATCHERY-REARED FISH

17:30 Freimann, Remo; Buegmann, H.; Findlay,
SS8-8 S.; Robinson, Chris
SPATIAL-TEMPORAL PATTERNS AND SHIFTING
ROLE OF BACTERIA IN ECOSYSTEM
FUNCTIONING IN SWISS ALPINE
FLOODPLAINS

17:45 Fillol, Mireia; Plasencia, Anna; Auguet,
SS8-9 Olga; Borrego, Carles
DIVERSITY AND HABITAT SEGREGATION
OF ARCHAEOAL LINEAGES IN STRATIFIED
KARSTIC LAKES

SS6 Ecology of freshwater fish: effects of streamflow and hydrological alteration

Location: Sala 1

Chairs: Garcia, E and Lobon, J.

09:15 Lobón-Cerviá, Javier
SS6-1 STREAM HYDROLOGY AND THE POPULATION
DYNAMICS OF BROWN TROUT (SALMO TRUTTA):
KNOWN KNOWS, KNOWN UNKNOWN AND
UNKNOWN UNKNOWN.

09:30 Ilhéu, Maria; Alexandre, Carlos; Sousa,
SS6-2 Dârcio
FISH RESPONSE TO NATURAL DISTURBANCE IN
AN INTERMITTENT MEDITERRANEAN STREAM:
THE IMPORTANCE OF SUMMER REFUGIA FOR
FISH POPULATIONS PERSISTENCE

09:45 Carmona-Catot, Gerard; Benito, Josep;
SS6-3 García-Berthou, Emili
VARIATION IN LIFE HISTORY TRAITS OF INVASIVE
MOSQUITOFISH ALONG SPATIAL GRADIENTS

10:00 Pekcan-Hekim, Zeynep; Joensuu, Laura;
SS6-4 Horrpila, Jukka
THE EFFECT OF SMALL-SCALE TURBULENCE
ON FEEDING EFFICIENCY OF PERCH (PERCA
FLUVIATILIS)

10:15 Kakareko, Tomasz; Kobak, Jaroslaw;
SS6-5 Grabowska, Joanna; Jermacz, Lukasz;
Przybylski, Mirosław; Poznanska, Malgorzata;
Pietraszewski, Dariusz
COMPETITIVE INTERACTIONS FOR LIMITED
FOOD RESOURCES BETWEEN ALIEN RACER
GOBY NEOGOBIUS GYMNOTRACHELUS AND
NATIVE BULLHEAD COTTUS GOBIO UNDER
LABORATORY CONDITIONS

Chairs: Garcia, E and Lobon, J.

11:00 García-Berthou, Emili; Benejam, Lluís; Benito,
SS6-6 Josep; Carmona-Catot, Gerard; Casals,
Frederic; Faggiano, Leslie; Merciai, Roberto;
Murphy, Christina
EFFECTS OF HYDROLOGICAL ALTERATION
ON IBERIAN FRESHWATER FISHES: WHAT
DO WE KNOW?

11:15 Alexandre, Carlos; Ferreira, Teresa; Almeida,
SS6-7 Pedro
A COMPARATIVE ANALYSIS OF FISH
ASSEMBLAGES' STRUCTURE IN REGULATED AND
NON-REGULATED RIVERS FROM TEMPORARY
AND PERMANENT BASINS

11:30 Magellan, Kit; Swartz, Ernst
SS6-8 THE EFFECTS OF CATASTROPHIC HABITAT
DESTRUCTION ON ENVIRONMENTAL FACTORS
AND FISH FREQUENCY

11:45 Caiola, Nuno; Ibáñez, Carles; Alcaraz, Carles;
SS6-9 Rodríguez, Silvia; Nebra, Alfonso; Muñoz,
Gloria
RESPONSE OF FISH COMMUNITY STRUCTURE
TO RIVER FLOW: APPLICATION TO THE
BIOLOGICAL VALIDATION OF ENVIRONMENTAL
FLOWS IN THE LOWER EBRO RIVER

12:00 Benejam, Lluís; Saura-Mas, Sandra; Bardina,
SS6-10 Mònica; Solà, Carolina; Munné, Antoni
ASSESSING EFFECTS OF WATER DERIVATION
ON FISH POPULATIONS IN UPSTREAM
REACHES OF A MEDITERRANEAN RIVER BASIN

12:15 Grantham, Theodore
SS6-11 USE OF TWO-DIMENSIONAL HYDRAULIC
MODELING TO ASSESS PASSAGE FLOW
CONNECTIVITY FOR SALMON IN STREAMS

12:30 Santos, José; Branco, Paulo; Silva, Ana;
SS6-12 Katopodis, Christos; Pinheiro, António; Viseu,
Teresa; Ferreira, Teresa
EFFECTS OF FLOW REGIME ON FISH PASSAGE
SUCCESS IN AN EXPERIMENTAL POOL-TYPE
FISHWAY

SS9 PALEOLIMNOLOGY: FROM PRESENT ECOLOGICAL PROCESSES TO PAST ENVIRONMENTAL CHANGE

Location: Sala1

Chairs: Julià, R; López, C. and Romero-Viana, L.

15:15 Fietz, Susanne; Huguet, Carme; Stockhecke, Mona; Moraleda, Núria; Rosell-Melé, Antoni
SS9-1 BIOMARKER SEASONALITY IN LAKE VAN, TURKEY

15:30 Romero Viana, Lidia; Haug, Gerald; Kienel, Ulrike; Sachse, Dirk
SS9-2 HYDROGEN ISOTOPIC SIGNATURES IN BIOMARKERS AS A PROXY OF HYDROCLIMATIC VARIABILITY IN LAKE ISABEL, MEXICO.

15:45 Alric, Benjamin; Arnaud, Fabien; Jenny, Jean-Philippe; Perga, Marie-Elodie
SS9-3 TAXONOMICAL, SIZE STRUCTURE AND GENETIC RESPONSES OF CLADOCERAN COMMUNITIES IN SUBALPINE LAKES TO 150 YEARS OF HUMAN PERTURBATIONS

Chairs: Julià, R; López, C. and Romero-Viana, L.

16:30 Siitonen, Susanna; Liljendahl, Anne; Weckström, Jan
SS9-4 INTRODUCTION OF BROWN TROUT (SALMO TRUTTA) INTO A FISHLESS LAKE – CAN THE RESPONSES OF ZOOPLANKTON BE SEEN IN THE SUBFOSSIL CLADOCERAN RECORD?

16:45 Rivera Rondón, Carlos A.; Catalan, Jordi
SS9-5 DIATOMS DISTRIBUTION IN THE LAKES OF THE PYRENEES AND THEIR POTENTIAL FOR ENVIRONMENTAL RECONSTRUCTIONS

17:00 López-Blanco, Charo; Marie-José, Gaillard-Lemdhal; Eduardo, Vicente; Maria Rosa, Miracle
SS9-6 A MULTI-PROXY STUDY AT LAGUNILLO DEL TEJO (SPAIN): RECONSTRUCTION OF LAKE LEVEL CHANGES AND ANTHROPOGENIC ACTIVITIES

17:15 Catalan, Jordi; Pla-Rabes, Sergi; García, Joan; Camarero, Lluís
SS9-7 COMBINING AQUATIC CHEMISTRY AND PALAEO-LIMNOLOGICAL TECHNIQUES: THE RECONSTRUCTION OF CO₂ SATURATION IN AN ALPINE LAKE THROUGHOUT THE HOLOCENE

17:30 Savichtcheva, Olga; Kirkham, Amy; Debroas, Didier; Villar, Clement; Perga, Marie; Jenny, Jean Paul; Pignol, Cecile; Arnaud, Fabien; Domaizon, Isabelle
SS9- APPLICATION OF REAL-TIME QUANTITATIVE PCR (QPCR) FOR ENUMERATION OF PLANKTOTHRIX POPULATION (CYANOBACTERIA) IN THE LAKE SEDIMENTS: COUPLING PALEOLIMNOLOGICAL AND MOLECULAR TOOLS

Tuesday 28 June 2011

Room	Sala Simfónica Ground floor	Sala Petta Ground floor	Sala d'Assaig First floor	Sala 1 Second floor	Sala 3 Second floor	Hall I Ground floor	Halls (Simf + Cambra + Petta) Ground floor
08:30 - 09:15	A. Boulton Plenary						
09:15 - 09:30	O1. Pulido	O7. Angeler	O5. Leberfingler	SS5. Bayer	O2. Besacier		
09:30 - 09:45	O1. Thackeray	O7. Tockner	O5. Bastias	SS5. Buisson	O2. Boon		
09:45 - 10:00	O1. Tackx	O7. Nedbalova	O5. Ansti	SS5. Dossera			
10:00 - 10:15	O1. Joensuu	O7. Nussbaumer	O5. Carlson	SS5. Elliot	O2. Lorenz		
10:15 - 10:30	O1. Ruzicková	O7. Schabhubl	O5. Fernandes	SS5. Estlander	O2. Maasri		
10:30 - 11:00							
Morning Break							
11:00 - 11:15	O1. Muñoz	O7. Chappuis	O5. Garcia	SS5. Jackson	O2. Llach		
11:15 - 11:30	O1. Encalada	O7. Striebel	O5. Lima-Fernandes	SS5. Khalili	O2. Thouvenot		
11:30 - 11:45	O1. Feio	O7. Anton-Pardo	O5. Pelpooh	SS5. Ledger	O2. Von Funnetti		
11:45 - 12:00	O1. Flores	O7. De Wever	O5. Sampaera	SS5. Lijendhal	O2. Munne		
12:00 - 12:15	O1. Koupalová	O7. Szivak	O5. Weigelhofer	SS5. Monaghan	O2. Gutiérrez		
12:15 - 12:30	O1. Rios	O7. Sainz-Bartain	O5. Risse	SS5. Pichler	O2. Ventura		
12:30 - 12:45	O1. Machado	O7. Picazo	O5. Bartrons	SS5. Pichler			
12:45 - 13:00	O1. Sparber	O7. Palau Salvador	O5. Holmroos	SS5. Proia			
13:00 - 14:30							
Lunch							
14:30 - 15:15	A. Elosegi Plenary						
15:15 - 15:30	O1. Radkova	O7. Astorga	O5. Mendoza	SS5. Smythek	O2. Ordeix		
15:30 - 15:45	O1. Theissinger	O7. Haase	O5. Rodriguez	SS5. Stewart	O2. Pula		
15:45 - 16:00	O1. Pekarik	O7. Mengoux	O5. Ibañez	SS5. Villar	O2. Lintermans		
16:00 - 16:30							
Afternoon break							
16:30 - 16:45	O1. Logez	O7. Zbikowski	O5. Jones	SS5. Yvon	SS2. Florencio		
16:45 - 17:00	O1. Zamora	O7. Callisto	O5. Mackay		SS2. Hesse		
17:00 - 17:15	O1. Hellmann	O7. Yule	O5. Sharov		SS2. Florin		
17:15 - 17:30	O1. Fagglano		O5. Planas		SS2. Rudner		
17:30 - 17:45							
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RIVERWEBS

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Exhibits and posters

Exhibits and posters

Poster session O1, O3, O6, SS3, SS6, SS8, SS9, SS12

TUESDAY, 28 JUNE 2011**O1 Population and Community Ecology**

Location: Sala Simfònica

0900

Chair Hildrew, M.

09:15 Pulido, Cristina; Sand-Jensen, Kaj; Lucassen,
01-1 Esther C.H.E.T.; Roelofs, Jan G.M.; Brodersen,
Klaus P.; Pedersen, Ole;
IMPROVED PREDICTION OF VEGETATION
COMPOSITION IN NW EUROPEAN SOFTWATER
LAKES BY COMBINING LOCATION, WATER
AND SEDIMENT CHEMISTRY

09:30 Thackeray, Stephen; Jones, Ian; Feuchtmayr,
01-2 Heidrun
SHIFTING PHENOLOGY IN PLANKTON
COMMUNITIES: AMONG-SPECIES DIFFERENCES
IN RATES, PATTERNS AND DRIVERS OF CHANGE

09:45 Tackx, Micky; Mialet, Benoit; Azémar, Frédéric;
01-3 Meire, Patrick; Van Damme, Stéfaan; Maris,
Tom; Sossou, Claudine; Gouzou, Jérémie
RESPONSE OF ZOOPLANKTON TO IMPROVING
WATER QUALITY IN THE FRESHWATER REACH
OF THE SCHELDT ESTUARY (BELGIUM)

10:00 Joensuu, Laura; Pekcan-Hekim, Zeynep;
01-4 Horppila, Jukka
THE EFFECT OF SMALL-SCALE TURBULENCE
ON REFUGE USE OF CHAOBORUS FLAVICANS

10:15 Ruzicková, Sylvie; Schenková, Jana;
01-5 Konvickova, Veronika; Syrovátka, Vít;
Helesic, Jan
ENVIRONMENTAL IMPACT OF HEATED MINING
WATERS ON CLITELLATE ASSEMBLAGES
(ANNELIDA: CLITELLATA): A CASE STUDY

Chair Winfield, I.

11:00 Muñoz Camarillo, Gloria; Caiola, Nuno;
01-6 Ibañez, Carles; Nebra, Alfonso; Rodriguez
Climent, Silvia
DISCRIMINANT ANALYSIS BASED MODELS
TO PREDICT OCCURRENCE AND ABUNDANCE
OF ZEBRA MUSSEL IN LOTIC SYSTEMS OF
THE LOWER EBRO RIVER

11:15 Encalada, Andrea C.; Peckarsky, Barbara L.
01-7 POPULATION SIZE RESPONSE TO LARGE-
SCALE RECRUITMENT MANIPULATION OF
THE MAYFLY BAETIS BICAUDATUS

11:30 Feio, Maria João; Ferreira, Wander R.; Macedo,
01-8 Diego R.; Eller, Ana Paula; Mascarenhas,
Carlos B.M.; França, Juliana S.; Callisto,
Marcos
RECOVERY SCENARIOS FOR MACROINVERTEBRATE
COMMUNITIES OF A TROPICAL CATCHMENT
(VELHAS, BRAZIL) AND RESTORATION OF URBAN
STREAMS: IS IT POSSIBLE TO GO BACK?

11:45 Flores, Lorea; Larrañaga, Aitor; Elosegi,
01-9 Arturo
EFFECTS OF FOOD TYPE AND AVAILABILITY
ON CONSUMPTION AND GROWTH OF
LARVAL SERICOSTOMA VITTATUM RAMBUR
(TRICHOPTERA).

12:00 Kõupalová, Vendula; Syrovátka, Vít;
01-10 Bojková, Jindřiška; Omelková, Markéta;
Rádková, Vanda; Horsák, Michal; Helešic,
Jan
THE COMPOSITION OF DIPTERA ASSEMBLAGES
ALONG THE GRADIENT OF MINERAL RICHNESS
IN THE SPRING FENS

12:15 Rios-Touma, Blanca; Encalda, Andrea C.;
01-11 González, Fernanda; Rieradevall, Maria;
Prat, Narcís
AQUATIC INSECTS SECONDARY PRODUCTION
AND PHENOLOGY OF A PÁRAMO STREAM AT
LATITUDE 0

12:30 Machado, Ana Luísa; Monaghan, Kieran;
01-12 Corado, Maria Margarida; Soares, Amadeu
SHORT-TERM EFFECTS OF WILD FIRE ON
MACROINVERTEBRATE COMMUNITIES IN
UPLAND ATLANTIC -MEDITERRANEAN STREAMS

12:45 Sparber, Karin; Dalton, Catherine; de Eyto,
01-13 Elvira; Jennings, Eleanor; Allott, Norman
THE DYNAMICS AND IMPORTANCE OF AUTO-
, MIXO- AND HETEROTROPHIC PELAGIC
COMMUNITIES IN A HUMIC AND OLIGO-
HUMIC LAKE IN THE WEST OF IRELAND

Chair Dobson, M.

15:15 Rádková, Vanda; Bojková, Jindřiška;
01-14 Kõupalová, Vendula; Horsák, Michal
MACROINVERTEBRATE ASSEMBLAGES OF
FEN STREAMLETS IN THE OUTER WESTERN
CARPATHIAN MTS

15:30 Theissinger, Kathrin; Johannesen, Jes;
01-15 Pauls, Steffen
SAME PLACE, DIFFERENT STORY: VARYING
RECOLONIZATION PATTERNS IN TWO CO-
DISTRIBUTED ARCTIC-ALPINE FRESHWATER
INSECTS IN EUROPE

15:45 Pekárik, Ladislav; Kosco, Ján; Kosuthova,
01-16 Lenka
MODELLING THE OCCURRENCE OF DOMINANT
FISH SPECIES IN INSHORE SHALLOW
HABITATS OF LOWLAND RIVERS

Chair Dobson, M.

16:30 Logez, Maxime; Didier, Pont; Pierre, Bady
01-17 MODELING ECOLOGICAL NICHE OF FISH
SPECIES AT THE EUROPEAN SCALE: EFFECTS
OF CLIMATIC CONDITION AND POTENTIAL
CONSEQUENCES ON FUTURE LOCAL SPECIES
RICHNESS."

16:45 Zamora, Lluís; Clavero, Miguel; Quintana,
01-18 Xavier; Pou-Rovira, Quim
USE OF SIZE DIVERSITY OF MEDITERRANEAN
BARBEL (BARBUS MERIDIONALIS) AS AN
INDICATOR OF ENVIRONMENTAL PERTURBATION
IN MEDITERRANEAN RIVERS

17:00 Hellmann, Claudia; Winkelmann, Carola;
01-19 Worischka, Susanne; Benndorf, Jürgen
IMPACT OF FISH PREDATION ON THE BEHAVIOUR
OF INVERTEBRATES AND THE STRUCTURE OF A
NATURAL BENTHIC COMMUNITY

17:15 Faggiano, Leslie; García-Berthou, Emili; Dyer,
01-20 Scott; Mulder, Christian; Blanchet, Simon
ANALYSING SIZE-STRUCTURE PATTERNS OF
NORTH-AMERICAN AND IBERIAN FRESHWATER
FISH SPECIES

07 Biodiversity

Location: Sala Petita
Chair Naselli-Flores, L.

09:15 Angeler, David; Allen, Craig; Johnson,
07-1 Richard
SPECIES INVASIONS, BIODIVERSITY AND
RESILIENCE IN BOREAL LAKES

09:30 Tockner, Klement
07-2 THE SILENT FRESHWATER BIODIVERSITY
CRISIS

09:45 Nedbalová, Linda; Komárek, Jiří; Kopalová,
07-3 Kateřina; Elster, Josef
BENTHIC MATS IN LAKES ON JAMES ROSS
ISLAND (ANTARCTICA): CHARACTERIZATION
AND KEY FACTORS INFLUENCING THEIR
STRUCTURE

10:00 Nussbaumer, Julia; Kainz, Martin
07-4 TEMPERATURE AND BIODIVERSITY EFFECTS
ON FRESHWATER ALGAE FATTY ACIDS

10:15 Schabhüttel, Stefanie; Hingsamer, Peter;
07-5 Weigelhofer, Gabriele; Hein, Thomas;
Weigert, Achim; Striebel, Maren
CLIMATE CHANGE IN WETLANDS: CAN
BIODIVERSITY MITIGATE HEAT EVENTS IN
PHYTOPLANKTON COMMUNITIES?

Chair: Catalan, J.

11:00 Chappuis, Eglantine; Gacia, Esperança;
07-6 Ballesteros, Enric
DISTRIBUTION AND RICHNESS OF AQUATIC
MACROPHYTE SPECIES IN RELATION TO
ENVIRONMENTAL FACTORS IN WATER BODIES
OF CATALONIA (NE SPAIN).

11:15 Striebel, Maren; Singer, Gabriel; Spörl,
07-7 Gertrud; Stibor, Herwig; Andersen, Tom
PHYTOPLANKTON BIODIVERSITY
PROMOTES ZOOPLANKTON GROWTH AND
DIVERSITY

11:30 Anton-Pardo, Maria; Ortells, Raquel;
07-8 Armengol, Xavier
PATTERNS OF ZOOPLANKTON RICHNESS
AND DIVERSITY IN SHALLOW PERIDUNAL
PONDS: EFFECT OF LOCAL AND REGIONAL
FACTORS.

11:45 De Wever, Aaike; Segers, Hendrik; Martens,
07-9 Koen; Schmidt-Kloiber, Astrid; Bailly,
Nicolas; Tockner, Klement
BIOFRESH: INTEGRATING FRESHWATER
BIODIVERSITY DATA

12:00 Szivák, Ildikó; Vadkerti, Edit; Szalontai,
07-10 Bálint; Kuèiniæ, Mladen; Vuèkoviæ, Ivan;
Pauls, Steffen U.; Bálint, Miklós
CLIMATE CHANGE AND EVOLUTION IN SPRINGS:
RADIATION, SPECIATION AND HYBRIDIZATION

OF AUTUMN CADDISFLIES ON THE WESTERN
BALKAN

12:15 Sáinz-Bariain, Marta; Zamora-Muñoz,
07-11 Carmen; Sáinz-Cantero, Carmen Elisa;
Alba-Tercedor, Javier

INFLUENCE OF CLIMATE CHANGE ON THE
TRICHOPTERA COMMUNITY FROM SIERRA
NEVADA MOUNTAIN RANGE (SPAIN) OVER
TWO DECADES

12:30 Picazo, Félix; Dolédec, Sylvain; Millán,
07-12 Andrés
DO BIOLOGICAL TRAITS OF FRESHWATER BEETLES
MATCH THEIR ECOLOGICAL PREFERENCES?

12:45 Palau Salvador, Guillermo; Dies Jambrino,
07-13 Bosco; Vercher Aznar, Rosa; González,
Sandra; Calera, María; Zarzo, Manuel
EFFECT OF WATER SOURCE ON MACRO-
INVERTEBRATES BIODIVERSITY IN
L'ALBUFERA'S LAGOON (EAST SPAIN)

Chair: Camacho, A.

15:15 Astorga, Anna; Death, Russell; Muotka,
07-14 Timo
BETA-DIVERSITY OF BENTHIC INVERTEBRATES
IN NEW ZEALAND FOREST STREAMS

15:30 Haase, Peter; Sundermann, Andrea;
07-15 Kappes, Heike
LONG DISTANCES DISPERSAL IN
MACROINVERTEBRATES AS A PREREQUISITE
OF CLIMATE CHANGE DRIVEN RANGE SHIFTS
AND RECOLONIZATION OF RESTORED RIVERS

15:45 Mèrigoux, Sylvie; Olivier, Jean-Michel;
07-16 Sagnes, Pierre; Mathieu, Chloé; Forcellini,
Maxence; Valade, Pierre; Richarson,
Marine; Grondin, Henri; Navarro, Olivier
ASSESSING ECOLOGICAL INTEGRITY OF
TROPICAL RIVERS: A STUDY USING
INVERTEBRATE COMMUNITIES IN A
VOLCANIC ISLAND

Chair: Camacho, A.

16:30 Zbikowski, Janusz
07-17 MACROZOOBENTHOS OF TEMPERATE SHALLOW
LAKES AGAINST A BACKGROUND OF
SELECTED ABIOTIC PARAMETERS OF
WATER AND BOTTOM SEDIMENTS

16:45 Callisto, Marcos; Maroneze, Daniel;
07-18 Tupinambás, Taynan; Alves, Carlos; Vieira,
Fabio; Pompeu, Paulo
FISH AS ECOLOGICAL TOOLS TO COMPLEMENT
BIODIVERSITY INVENTORIES OF BENTHIC
MACROINVERTEBRATES

17:00 Yule, Catherine; Raub, Sonja; Tse Yuen, Lim
07-19 DESTRUCTION OF TROPICAL PEATSWAMPS IN
THE INDO-MALAYSIAN REGION - REGIONAL
AND GLOBAL IMPACTS ON CARBON CYCLING

O5 Ecosystem processes**Location: Sala d'Assaig**

Chair: Grimm, N.

09:15 Leberfinger, Karolina; Herrmann, Jan;
05-1 Bohman, Irene

DRYING AND WARMING – EFFECTS ON ORGANIC
MATTER BREAKDOWN AND DETRITIVORE LIFE
CYCLES

09:30 Bastias, Elliot; Ribot, Miquel; López, Pilar;
05-2 Martí, Eugènia

COMBINED EFFECTS OF LEAVE C:N RATIOS
AND NUTRIENT STREAM AVAILABILITY ON
ORGANIC MATTER DECOMPOSITION RATES

09:45 Aristi, Ibon; Diez, Jose Ramon; Larrañaga,
05-3 Aitor; Elosegi, Arturo

EFFECTS OF GLOBAL CHANGE ON THE
BREAKDOWN OF ORGANIC MATTER IN
MEDITERRANEAN RIVERS

10:00 Carlson, Peter; Johnson, Richard; McKie,
05-4 Brendan

CONSEQUENCES OF AQUATIC SUBSIDIES
ON THE DISTRIBUTION AND STRUCTURE
OF RIPARIAN CONSUMERS

10:15 Fernandes, Isabel; Duarte, Sofia; Pascoal,
05-5 Cláudia; Cássio, Fernanda

LONG-TERM EFFECTS OF RIPARIAN VEGETATION
DIVERSITY ON STREAM-DWELLING MICROBES
AND LITTER DECOMPOSITION

Chair: Townsend, C.

11:00 García Arias, Alicia; Francés García, Félix
05-6

CLIMATE CHANGE SCENARIOS EFFECTS
ANALYSES OVER THE RIPARIAN VEGETATION
DYNAMICS IN A MEDITERRANEAN REACH
(MIJARES RIVER, SPAIN)

11:15 11:15 05-7

05-7 Lima-Fernandes, Eva; Fernandes, Isabel;
Pereira, Ana; Geraldés, Paulo; Pascoal,
Cláudia; Cássio, Fernanda

EUTROPHICATION ALTERS NON-ADDITIVE
EFFECTS OF PLANT-LITTER DIVERSITY IN
STREAMS

11:30 Peipoch, Marc; Blesa, Alba; Ribot, Miquel;
05-8 Gacia, Esperança; Martí, Eugènia

¹⁵ N SIGNATURES REVEAL IN-STREAM
NITROGEN UPTAKE BY AQUATIC
MACROPHYTES

11:45 Sanpera-Calbet, Isis; Ylla, Irene; Romani,
05-9 Anna M.; Sabater, Sergi; Muñoz, Isabel

BIOFILM QUALITY CHANGES UNDER A
NUTRIENT INPUT IN A MEDITERRANEAN
STREAM: IMPORTANCE OF LIGHT AND
HYDROLOGICAL REGIME

12:00 Weigelhofer, Gabriele; Fuchsberger,
05-10 Jennifer; Teufel, Bernadette; Welti, Nina;
Hein, Thomas

STREAM DEGRADATION AFFECTS
NITROGEN CYCLING IN NUTRIENT-
ENRICHED HEADWATER STREAMS

12:15 Risse-Buhl, Ute; Nii-Annang, Seth; Dümig,
05-11 Alexander; Hagedorn, Frank; Schaaf,
Wolfgang; Gessner, Mark; Mutz, Michael

ANCIENT DISSOLVED ORGANIC CARBON -
A DRIVER FOR MICROBIAL ACTIVITY IN AN
INITIAL SANDY CATCHMENT?

12:30 Bartrons, Mireia; Papes, Monica; Diebel,
05-12 Matthew W; Gratton, Claudio; Vander
Zanden, Jake M

EMPIRICAL MODEL OF THE POTENTIAL
FLUX OF AQUATIC PRODUCTIVITY FROM
LAKES AND STREAMS ONTO LAND

12:45 Holmroos, Heidi; Horppila, Jukka; Niemistö,
05-13 Juha; Hietanen, Susanna

SEASONAL VARIATION IN THE EFFECT OF
RESUSPENSION AND DENITRIFICATION ON
TN TO TP RATIO

Chair: Wood, P.

15:15 Mendoza-Lera, Clara; Mutz, Michael
05-14

MICROBIAL ACTIVITY AND SEDIMENT
DISTURBANCE: DYNAMIC CONTROL OF
VERTICAL WATER FLUX IN SAND BED
FLUMES

15:30 Rodríguez-Murillo, Juan Carlos; Filella,
05-15 Montserrat; Quentel, François; Almendros,
Gonzalo

CARBON DYNAMICS IN A SEMIARID
WETLAND: NATURAL ORGANIC MATTER IN
WATERS, PORE WATERS AND WETLAND
SOILS IN LAS TABLAS DE DAIMIEL (SPAIN)

15:45 Ibáñez, Carles; Alcaraz, Carles; Caiola,
05-16 Nuno; Rovira, Albert; Trobajo, Rosa; Duran,
Concha; Munné, Antoni; Prat, Narcís

REGIME SHIFT IN A LARGE RIVER: TOP-
DOWN VERSUS BOTTOM-UP EFFECTS

Chair: Wood, P.

16:30 Jones, Ian; Page, Trevor; Elliott, Alex;
05-17 Thackeray, Stephen; Heathwaite, Louise

INCREASES IN LAKE PHYTOPLANKTON
BIOMASS CAUSED BY FUTURE CLIMATE-
DRIVEN CHANGES TO SEASONAL RIVER
FLOW

16:45 Mackay, Eleanor; Jones, Ian; Folkard,
05-18 Andrew; Barker, Philip

HETEROGENEITY OF SURFACE SEDIMENT
IN SMALL LAKES: QUANTIFYING FOCUSING
EFFECTS ON ORGANIC CARBON AND
PHOSPHORUS BURIAL

17:00 Sharov, Andrey; Tolstikov, Alexey
05-19

SEASONAL VARIABILITY OF THE THALA
HILLS LAKES ECOSYSTEMS (EASTERN
ANTARCTIC)

17:15 Planas, Dolores; Pannard, Alexandrine;
05-20 Paquet, Serge

CLIMATE CHANGE, INTERNAL LOADING
AND HARMFUL ALGAE DEVELOPMENT IN
LAKES WITH LOW EXTERNAL NUTRIENT
INPUT

SS5 Impacts of global change on higher levels of organisation: communities, food webs, ecosystems

Chairs: Woodward, G.; Grey, J. and Trimmer, M.

- 09:15 Bayer, Tina; Burns, Carolyn; Schallenberg, Marc
SS5-1 FROM PICOCYANOBACTERIA TO DAPHNIA – UNDERSTANDING SEASONAL CONTROLS CAN HELP CLIMATE CHANGE PREDICTIONS
- 09:30 Buisson, Laetitia; Canal, Julie; Villéger, Sébastien; Grenouillet, Gael; Laffaille, Pascal
SS5-2 PROJECTING THE FUNCTIONAL MODIFICATIONS IN STREAM FISH COMMUNITIES UNDER CLIMATE CHANGE
- 09:45 Dossena, Matteo; Grey, Jonathan; Perkins, Daniel; Woodward, Guy; Yvon-Durocher, Gabriel
SS5-3 THE EFFECT OF WARMING ON FRESHWATER BENTHIC INVERTEBRATE COMMUNITIES: A MESOCOSM EXPERIMENT.
- 10:00 Elliott, Alex
SS5-4 PREDICTING HOW CYANOBACTERIA WILL RESPOND TO FUTURE ENVIRONMENTAL PRESSURES - A REVIEW OF SEVERAL MODELLING STUDIES
- 10:15 Estlander, Satu; Horppila, Jukka; Nurminen, Leena
SS5-5 HUMIC LAKE LADIES IN TROUBLE

Chairs: Woodward, G.; Grey, J. and Trimmer, M.

- 11:00 Jackson, Michelle; Jones, Tabitha; Taylor, Jeffery; Milligan, Maaiké; Sheath, Danny; England, Judy; Grey, Jonathan
SS5-6 WAVES OF INVADERS: COMMUNITY AND ECOSYSTEM LEVEL IMPACTS OF MULTIPLE INVASIVE SPECIES
- 11:15 Khalili, Maria; Weyhenmeyer, Gesa; Temnerud, Johan; Fröberg, Mats; Karlun, Erik
SS5-7 NITROGEN AND CARBON INTERACTIONS BETWEEN BOREAL SOILS AND LAKES
- 11:30 Ledger, Mark; Edwards, Francois; Brown, Lee; Woodward, Guy; Milner, Alexander
SS5-8 IMPACT OF SIMULATED DROUGHT ON ECOSYSTEM BIOMASS PRODUCTION: AN EXPERIMENTAL TEST IN STREAM MESOCOSMS
- 11:45 Liljendahl, Anne; Siitonen, Susanna; Milardi, Marco; Weckström, Jan
SS5-9 FROM FISHLESS TO STOCKED LAKES – ECOLOGICAL CONSEQUENCES OF FISH INTRODUCTIONS IN SUBARCTIC LAKE ECOSYSTEMS
- 12:00 Monaghan, Kieran; Machado, Luísa; Soares, Amadeu
SS5-10 SPECIES TRAITS AND HABITAT STRUCTURE MEDIATE THE IMPACT OF WILDFIRE ON FISH IN UPLAND PORTUGUESE STREAMS
- 12:15 12:15 SS5-11
SS5-11 Perga, Marie Elodie; Jacob, Jérémy; Jenny, Jean-Philippe; Pignol, Cécile; Arnaud, Fabien

CHANGES IN THE ORIGINS OF CARBON SUSTAINING THE PELAGIC FOOD CHAIN DURING A CENTURY OF HUMAN PERTURBATIONS ON TWO DEEP SUB-ALPINE LAKES.

- 12:30 Pichler, Doris E.; Thompson, Murray S.A.; Friberg, Nikolai; Ólafsson, Jón S.; Gíslason, Gísli M.; Demars, Benoît O.L.; Langan, Simon; Woodward, Guy
SS5-12 IMPACTS OF ENVIRONMENTAL WARMING ON ECOLOGICAL NETWORKS
- 12:45 Proia, Lorenzo; Vilches, Carolina; Boninneau, Chloe; Guasch, Helena; Romani, Anna; Sabater, Sergi
SS5-13 DROUGHT EPISODE MODULATES THE RESPONSE OF FLUVIAL BIOFILMS TO TRICLOSAN EXPOSURE.

Chairs: Woodward, G.; Grey, J. and Trimmer, M.

- 15:15 Smyntek, Peter; Grey, Jonathan
SS5-14 ONE PRESSURE TOO MANY? DIET SHIFTS IN A DECLINING ARCTIC CHARR POPULATION AND THE IMPLICATIONS FOR THE LAKE FOOD WEB
- 15:30 Stewart, Rebecca; Woodward, Guy; Petchey, Owen
SS5-15 IMPACTS OF WARMING ON FRESHWATER ECOSYSTEMS AT INTERGENERATIONAL SCALES: RESULTS FROM MODEL SYSTEMS OF PROTIST ASSEMBLAGES
- 15:45 Villar-Argaiz, Manuel; Medina-Sánchez, Juan Manuel; Bullejos, Francisco José; Herrera, Guillermo; Duran, Cristina; Dorado, Irene; Rosillo, Silvia; Carrillo, Presentación
SS5-16 ASSESSING GLOBAL STRESSORS PROPAGATION THROUGH AN AQUATIC FOOD WEB: FROM SHORT TO LONG-TERM OBSERVATIONS

Chairs: Woodward, G.; Grey, J. and Trimmer, M.

- 16:30 Yvon-Durocher, Gabriel; Allen, Andrew
SS5-17 RENCONCILING DIFFERENCES IN THE TEMPERATURE-DEPENDENCE OF ECOSYSTEM RESPIRATION ACROSS TIME SCALES AND ECOSYSTEM TYPES

O2 Biological and Ecosystem Conservation

Location: Sala 3

Chair: Muñoz, I.

- 09:15 Besacier-Monbertrand, Anne-Laure; Paillex, Amael; Castella, Emmanuel
O2-1 CHANGES IN FLOODPLAIN CHANNELS INDUCED BY RESTORATION: HABITAT AND MACROINVERTEBRATE RESPONSES
- 09:30 Boon, Philip
O2-2 USING HYDROLOGIC DATA IN EVALUATING RIVERS FOR CONSERVATION
- 10:00 Lorenz, Armin W.; Feld, Christian K.; Haase, Peter; Sundermann, Andrea; Hering, Daniel
O2-3 DO CATCHMENT PARAMETERS CONTROL LOCAL RESTORATION SUCCESS?

10:15 Maasri, Alain; Hayford, Barbara; Gelhaus, Jon
02-4 AQUATIC COMMUNITIES OF MONGOLIA
AND EXPECTED SCENARIOS DUE TO THE
HUMAN CAUSED CLIMATE CHANGE

Chair: Graça, M.

11:00 Ordeix, Marc; Llach, Francesc; Camprodon,
02-5 Jordi; Guixé, David; Jiménez, Laia; Sellarès,
Núria
RIVER RESTORATION AND ECOLOGICAL
STATUS AND BIODIVERSITY ASSESSMENT
IN MEDITERRANEAN RIVERS. EXPERIENCE
IN THE TER RIVER, CATALONIA, NORTH-
EAST OF IBERIAN PENINSULA.

11:15 Thouvenot, Lise; Thiébaud, Gabrielle; Damien,
02-6 Jean-Patrice; Haury, Jacques
INFLUENCE OF SALINITY ON THE GROWTH
OF TWO AQUATIC PLANT SPECIES.

11:30 Von Fumetti, Stefanie; Nagel, Peter
02-7 CLASSIFYING NATURAL SPRING ECOSYSTEMS
- A FAUNISTIC APPROACH

11:45 Munne, Antoni; Solà, Carolina; Prat, Narcis
02-8 EFFECTS OF MEDITERRANEAN CLIMATE ANNUAL
VARIABILITY ON STREAM BIOLOGICAL QUALITY
ASSESSMENT USING MACROINVERTEBRATE
COMMUNITIES

12:00 Gutiérrez-Cánovas, Cayetano; Velasco,
02-9 Josefa; Millán, Andrés; Vaughan, Ian;
Ormerod, Steve
NESTEDNESS PATTERNS IN
AQUATIC MACROINVERTEBRATES UNDER
ANTHROPOGENIC AND NATURAL STRESSORS

12:15 Miró, Alexandre; Ventura, Marc
02-10 FACTORS DRIVING NONNATIVE TROUT
INTRODUCTIONS IN PYRENEAN ALPINE LAKES:
A BASIS FOR CONSERVATION PROGRAMS

Chair: Boon, P.

15:15 Ordeix, Marc; Pou-Rovira, Quim; Sellarès,
02-11 Núria; Munné, Antoni; Casamitjana, Anna;
Bardina, Mònica; Solà, Carolina
APPLICATION OF THE NEW ICF INDEX AND
FISH PASS ASSESSMENT IN THE RIVERS
OF CATALONIA, NORTH-EAST OF IBERIAN
PENINSULA.

15:30 Pula, Héctor J.; Fallola, Cesar; Pascual,
02-12 Marta; Moreno, Paloma; Simón, Cesar E.;
Ramírez, Juan Carlos
STOCKING THE IBERIAN ARCHED-MOUTH
NASE FOR ITS CONSERVATION AND AS
SUBSTITUTE OF EXOTIC FISHES IN PONDS.

15:45 Lintermans, Mark; Broadhurst, Ben; Thiem,
02-13 Jason; Ebner, Brendan; Wright, Daniel;
Clear, Rhian; Norris, Richard
INVESTIGATING USE OF CONSTRUCTED
HABITAT TO PROTECT AN ENDANGERED
MACQUARIE PERCH POPULATION IN AN
ENLARGED RESERVOIR

SS2 Temporary wetlands ecology

Location: Sala 3

Chairs: Bagella, S. and Gascon, S.

16:30 Florencio, Margarita; Díaz-Paniagua,
SS2-1 Carmen; Serrano, Laura; Bilton, David T
ENVIRONMENTAL VARIABILITY AND
CONNECTIVITY: KEY FACTORS TO PRESERVE
HIGH MACROINVERTEBRATE DIVERSITY IN
A HIGHLY NESTED POND NETWORK

16:45 Hesse, Anne Sophie; Danjean, Marc;
SS2-2 Viscogliosi, Henri; De Wit, Rutger
EFFECTS OF DEWATERING / INUNDATION
CYCLES OF SEDIMENTS FROM AN
ARTIFICIAL TEMPORARY WETLAND ON
MICROBIAL COMMUNITIES

17:00 Laguna, Celia; Chicote, Álvaro; Sánchez,
SS2-3 Sergio; Díaz, Sandra; Anza, Ibone; Vidal,
María Dolores; Mateo, Rafael; Florín, Máximo
SURFACE AND INTERSTITIAL WATER AND
SEDIMENT CHARACTERISTICS DRIVING
BOTULISM PREVALENCE IN THE MANCHA
HÚMEDA BIOSPHERE RESERVE

17:15 Rudner, Michael
SS2-4 EPHEMERAL WETLAND VEGETATION IN
MEDITERRANEAN HEATHLAND AND MAQUIS
COMMUNITIES

POSTER SESSION

O1 Population and Community Ecology

Chair: Tornés, Elisabet

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Hernández, Javier; Silva-Bautista, Sergio
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Chair: Young, Roger and Murphy, John

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SS8 Freshwater molecular ecology - diversification, gene expression and climate change**P83**

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GENETIC POPULATION STRUCTURE OF SYMPATRIC AND ALLOPATRIC POPULATIONS OF BALTIC CISCOES (COREGONUS ALBULA COMPLEX, TELEOSTEI, COREGONIDAE)

THURSDAY, 30 JUNE 2011**SS10 Patterns and Processes in Riverine Landscapes:
A special session in honour of Professor Björn Malmqvist**

Location: Sala Simfònica

Chairs: McKie, B. and Lepori, F.

- 09:15 Gessner, Mark
SS10-1 SPECIES INTERACTIONS AND LEAF DECOMPOSITION IN STREAMS: BJÖRN MALMQVIST'S UNIQUE CONTRIBUTIONS
- 09:30 Bruder, Andreas; McKie, Brendan; Jabiol, Jérémy; Gessner, Mark
SS10-2 EFFECTS OF MULTITROPHIC DIVERSITY ON ECOSYSTEM FUNCTIONING IN THE DETRITUS BASED FOOD WEB OF A STREAM
- 09:45 Frainer, André; McKie, Brendan; Malmqvist, Björn
SS10-3 SPATIAL AND TEMPORAL VARIATION IN THE RELATIONSHIP BETWEEN BIODIVERSITY AND ECOSYSTEM FUNCTIONING IN STREAMS
- 10:00 McKie, Brendan; Lehmann, Kai; Malmqvist, Björn
SS10-4 ECOSYSTEM FUNCTIONING WITHIN SPRING AND AUTUMN COMMUNITIES OF STREAM SUSPENSION FEEDERS: THE ROLE OF SPECIES EVENNESS
- 10:15 Chauvet, Eric
SS10-5 A tribute to Björn: Biodiversity and stream ecosystem functioning, a parallel between aquatic fungi and macroinvertebrate communities

Chairs: McKie, B. and Lepori, F.

- 11:00 Perkins, Daniel; McKie, Brendan; Malmqvist, Björn; Gilmour, Steven; Reiss, Julia; Trimmer, Mark; Woodward, Guy
SS10-6 ANTICIPATING THE EFFECTS OF GLOBAL WARMING ON BIODIVERSITY-ECOSYSTEM FUNCTIONING RELATIONSHIPS IN BENTHIC STREAM ASSEMBLAGES: EXAMPLES FROM MICROCOSM EXPERIMENTS
- 11:15 Boyer, Luz; Pearson, Richard G.; Gessner, Mark O.; et al.
SS10-7 GLOBAL PATTERNS OF LEAF LITTER DECOMPOSITION IN STREAMS: IMPLICATIONS FOR ECOSYSTEM FUNCTIONING AND BIODIVERSITY IN A CHANGING CLIMATE
- 11:30 Richardson, John; Chauvet, Eric
SS10-8 CONSUMER RESPONSES TO RESOURCE PATCH ARCHITECTURE: LEAF PACKS IN STREAMS
- 11:45 Lecerf, Antoine; Franck, Gilbert; Clément, Lagrue
SS10-9 PREDATOR-DETRITIVORE INTERACTIONS IN STREAM DEPOSITIONAL ZONES: CONSEQUENCES FOR LITTER DECOMPOSITION AND SEDIMENT BIOTURBATION
- 12:00 Lepori, Fabio; Fausch, Kurt; Baxter, Colden; Benjamin, Joseph; Inoue, Mikio; Miyake, Yo

ARE BIOTIC INTERACTIONS IMPORTANT IN STREAMS? A CLOSE LOOK AT THE CASE OF TROUT PREDATION ON BENTHIC INVERTEBRATES

- 12:15 Graça, Manuel; Serra, Sónia; Ferreira, Verónica
SS10-11 DOES STABLE TEMPERATURE FAVOR CONTINUOUS REPRODUCTION BY THEODOXUS FLUVIATILIS AND EXPLAIN ITS HIGH DENSITIES IN SOME KARSTIC SPRINGS?
- 12:30 Prat, Narcis; García-Roger, Eduardo; Sanchez-Montoya, Maria del Mar; Cid, Nuria; Verkaik, Iramia; Erba, Stefania; Karaouzas, Ionannis; Vardakas, L.; Sokoulidos, Nikos; De Martini, Daniele; Buffagni, Andrea; Gómez, Rosa; Suarezm María Luisa; Vidal-Abarca, M.R.; Rieradevall, Maria
SS10-12 DECONSTRUCTING SPATIAL AND SEASONAL PATTERNS IN AQUATIC MACROINVERTEBRATE ASSEMBLAGES FROM MEDITERRANEAN STREAMS: A HYDROLOGICAL COMPARISON.
- 12:45 Herrmann, Jan
SS10-13 BENTHIC INVERTEBRATES IN ISLAND STREAMS — OF VALUE FOR ECOLOGY AND ECOLOGISTS?
- Chairs: McKie, B. and Lepori, F.
- 15:15 Zhang, Yixin; Richardson, John; Dudgeon, David; Scoggins, Mateo
SS10-14 IMPACT OF LAND-USE DISTURBANCES ON STREAM BIODIVERSITY ACROSS GEOGRAPHIC LANDSCAPES
- 15:30 Johnson, Richard
SS10-15 SPATIAL CONGRUENCY OF STREAM ASSEMBLAGES AND DISTURBANCE
- 15:45 Bonada, Núria; Múrria, Cesc; Zamora-Muñoz, Carmen; Sáinz-Cantero, Carmen E.; Garrido, Josefina; Acosta, Raúl; Alba-Tercedor, Javier; Vogler, Alfried P
SS10-16 NOT ALL SPECIES ARE EQUAL: INCORPORATING PHYLOGENIES AND TRAITS INTO TRADITIONAL DIVERSITY INDICES
- Chairs: McKie, B. and Lepori, F.
- 16:30 Greenberg, Larry; Gustafsson, Pär; Bergman, Eva
SS10-17 FOREST-STREAM LINKAGES: THE RESPONSE OF BROWN TROUT TO WOODY DEBRIS AND TERRESTRIAL INVERTEBRATE INPUTS
- 16:45 Jonsson, Micael; Deleu, Pieter; Malmqvist, Björn
SS10-18 EFFECTS OF LARGE-RIVER REGULATION ON EMERGENT AQUATIC INSECTS AND TERRESTRIAL CONSUMERS
- 17:00 Fausch, Kurt; Benjamin, Joseph; Saunders, Carl; Baxter, Colden; Lepori, Fabio
SS10-19 ANTHROPOGENIC STRESSORS ON STREAMS AND RIPARIAN ZONES CAN HAVE LARGE EFFECTS ON PREDATORS IN ADJACENT HABITATS BY REDUCING PREY SUBSIDIES

17:15 Muotka, Timo
SS10-20 RESTORATION OF FENNOSCANDIAN STREAMS:
MUCH ADO ABOUT NOTHING?

17:30 Wotton, Roger S
SS10-21 SUSPENSION FEEDERS AND FPS – 30 YEARS
OF COLLABORATING WITH BJÖRN

17:45 Hildrew, Alan
SS10-22 BJÖRN MALMQVIST - MASTER FRESHWATER
ECOLOGIST

SS13 Assessing the impacts of global change and anthropogenic pressures on freshwater ecosystems, a role for long term-ecological research

Location: Sala Petita

Chairs: Montuelle, B.; Clemens, A.; Argerich, A.; Johnson, SL; Filipa, A.; Bonada, N. and Tockner, K.

09:15 Doledec, Sylvain; Merigoux, Sylvie;
SS13-1 Forcellini, Maxence
A MULTIPLE-TRAIT BASED APPROACH FOR
ASSESSING THE EFFECTS OF RESTORATION
MEASURES ON THE MACROINVERTEBRATE
COMMUNITIES OF TWO BY-PASSED SECTIONS
IN A LARGE EUROPEAN RIVER.

09:30 Gallardo, Belinda
SS13-2 APPROACHING THE INTERACTION OF
CLIMATE CHANGE AND INVASIVE SPECIES
USING SPECIES DISTRIBUTION MODELS

09:45 Pace, Giorgio; Bonada, Nuria; Prat, Narcis
SS13-3 CHANGES ON MACROINVERTEBRATE
ASSEMBLAGE (EPHEMEROPTERA, PLECOPTERA
AND TRICHOPTERA) OVER A 15 YEAR PERIOD
IN TWO DIFFERENT STREAMS: EFFECTS OF
FLOODS AND CLIMATE.

10:00 Skoulikidis, Nikolaos; Economou, Alcibiades;
SS13-4 Dimitriou, Elias; Karaouzas, Ioannis;
Vardakas, Leonidas
CREATED DESICCATION - ASSESSING THE
UNDERLYING CAUSE OF DESICCATION IN
TEMPORARY RIVERS AND THE ECOLOGICAL
STATUS UNDER THE PERSPECTIVE OF MAN
MADE DESICCATION

10:15 Lalande, Nathalie; Cernesson, Flavie; Tormos,
SS13-5 Thierry; Souchon, Yves; Tournoud, Marie
George; Kosuth, Pascal
DATASET QUALITY FOR A CONSISTENT
ASSESSMENT OF WATER QUALITY:
EXAMPLE OF IBGN DATASETS SAONE
CATCHMENT IN FRANCE

Chairs: Montuelle, B.; Clemens, A.; Argerich, A.; Johnson, SL; Filipa, A.; Bonada, N. and Tockner, K.

11:00 Comte, Lise; Buisson, Laëticia; Grenouillet,
SS13-6 Gaël
DISTRIBUTIONAL SHIFTS OF STREAM FISH
OVER THE LAST DECADES

11:15 Marcé, Rafael; Armengol, Joan
SS13-7 EL NIÑO SOUTHERN OSCILLATION AND
CLIMATE TRENDS IMPACT RESERVOIR
WATER QUALITY: EVIDENCES FROM A 44
YEARS LONG-TERM RESEARCH

11:30 Stendera, Sonja; Bonada, Nuria; Cañedo-
SS13-8 Argüelles, Miguel; Hugueny, Bernard;
Januschke, Kathrin; Pletterbauer, Florian
FRESHWATER BIODIVERSITY PATTERNS AND
RESPONSES TO STRESSORS AND NATURAL
DRIVERS ACROSS DIFFERENT ECOSYSTEMS
AND SCALES – A REVIEW

11:45 Gosselin, Marie-Pierre; Miles, Louise; Sweeting,
SS13-9 Roger
IDENTIFICATION OF THE LIMITING FACTORS TO
FRESHWATER PEARL MUSSEL (MARGARITIFERA
MARGARITIFERA) RECRUITMENT IN THE NORTH
TYNE CATCHMENT, NORTH-EAST ENGLAND.

12:00 Bougon, Nolwenn; Ferreol, Martial
SS13-10 INTERPRETING LARGE-SCALE MONITORING
NETWORK DATA, IN A BOUNDARY SETTING
APPROACH FOR BIOLOGICAL COMMUNITIES
TO ENVIRONMENTAL PRESSURES IN
NATURA.

12:30 Jaehnig, Sonja; Stoll, Stefan; Haase, Peter
SS13-11 LONG TERM ECOLOGICAL RESEARCH IN A
RIVER AND FLOODPLAIN ECOSYSTEM: THE
RHINE-MAIN-OBSERVATORY

12:45 Svanhalova, Blanka; Zahradkova, Svetlana;
SS13-12 Bojkova, Jindriska
LONG-TERM CHANGES OF MAYFLY
TAXOCOENOSSES: A CASE STUDY FROM THE
CZECH REPUBLIC

Chairs: Montuelle, B.; Clemens, A.; Argerich, A.; Johnson, SL; Filipa, A.; Bonada, N. and Tockner, K.

15:15 Puig, Maria Angeles; Ventura, Marc; Landeira,
SS13-13 Andrea; Ubero-Pascal, Nicolás; Fochetti,
Romolo; Camarero, Lluís
LONG-TERM STUDIES IN SPANISH
PYRENEES: THE STREAM MACROINVERTEBRATE
COMMUNITIES OF AIGÜESTORTES AND
ESTANY DE SANT MAURICI NATIONAL PARK.

15:30 Tormos, Thierry; Lalande, Nathalie; Villeneuve,
SS13-14 Bertrand; Kosuth, Pascal; Cernesson, Flavie;
Souchon, Yves
REMOTE SENSING AND GIS TECHNIQUES FOR
LARGE-SCALE ASSESSMENT OF THE RELATIVE
IMPACTS OF LAND COVER PRESSURES ON
MACROINVERTEBRATE COMMUNITIES

15:45 Filipe, Ana Filipa; Markovic, Danijela; Pletterbauer,
SS13-15 Florian; Tisseuil, Clément; Schmutz, Stefan;
Bonada, Núria; Freyhof, Jörg
SALMO TRUTTA IN MEDITERRANEAN AND
TEMPERATE EUROPEAN RIVER DRAINAGES:
FORECASTING FUTURE DISTRIBUTION
PATTERNS

Chairs: Montuelle, B.; Clemens, A.; Argerich, A.; Johnson, SL; Filipa, A.; Bonada, N. and Tockner, K.

16:30 Montuelle, Bernard; Dorioz, Jean Marcel;
SS13-16 Guillard, Jean
THE FRENCH ALPINE LAKES OBSERVATORY
(ALO): A TOOL FOR ASSESSING THE EFFECTS
OF THE GLOBAL CHANGE ON LAKE ECOLOGY.

16:45 Floury, Mathieu; Delattre, Cécile; Ferreol, Martial; Villeneuve, Bertrand; Souchon, Yves
 SS13-17 TRENDS IN MACROINVERTEBRATES ASSEMBLAGES IN THE CONTEXT OF GLOBAL CHANGE OVER A 30-YEAR PERIOD (1977-2008) : CASE OF THE MIDDLE LOIRE.

17:30 Argerich, Alba; Johnson, Sherri L.; Sebestyen, Stephen D.; Rhoades, Charles C.; Knoepp, Jennifer D.; Greathouse, Effie; Adams, Mary Beth; Campbell, John; McDowell, William H.; Likens, Gene
 SS13-18 TRENDS IN STREAM DISSOLVED INORGANIC NITROGEN IN FORESTED REFERENCE BASINS ACROSS US

17:45 Buchaca, Teresa; Pueyo, Juan J.; Cañellas-Boltà, Núria; Margalef, Olga; Sáez, Alberto; Giral, Santiago; Catalan, Jordi
 SS13-19 LAKE ECOSYSTEM RESPONSES TO LATE QUATERNARY ENVIRONMENTAL CHANGE IN THE SE PACIFIC FROM SEDIMENTARY PIGMENT AND ISOTOPIC GEOCHEMICAL DATA OF RARAKU LAKE (EASTER ISLAND, 27°S)

SS15 Ecological assessment of lakes, rivers and reservoirs: water quality management

Location: Sala d'Assaig

Chairs. Moreno, E.; Poikane, S.; Brucet, S. and Van de Bund, W.

09:15 Akbulut, Nuray; Akbulut, Ayдын; Solak, Cüneyt Nadir; Günsel, Selgün
 SS15-1 USE OF EPILITHIC DIATOMS TO EVALUATE WATER QUALITY OF THE DELICE RIVER (KIZILIRMAK) IN TURKEY

09:30 Altuna Odriozola, Maddi; Martí, Eugènia; Sabater, Francesc; Diéz, Joserra; Riera, Joan Lluís; Elosegi, Arturo
 SS15-2 AN ASSESSMENT OF THE POSSIBILITIES TO IMPROVE THE TROPHIC STATE OF RIVERS IN GIPUZKOA (BASQUE COUNTRY, NORTH SPAIN) THROUGH INCREASED SELF-PURIFICATION

09:45 Cattaneo, Antonella; Greene, Mélissa; Carignan, Richard; Oberhaus, Laura
 SS15-3 MACROPHYTES BUFFER THE EFFECTS OF NUTRIENT INPUTS IN LAKES EXPERIENCING RESIDENTIAL DEVELOPMENT

10:00 Cortes, Rui; Oliveira, Simone; Hughes, Samantha; Jesus, Joaquim
 SS15-4 PREDICTION OF ECOLOGICAL QUALITY IN RUNNING WATERS AND IMPLICATIONS FOR MANAGEMENT.

10:15 Gevrey, Muriel; Provost, Cédric; Argillier, Christine
 SS15-5 IS BENTHIC FAUNA RELEVANT TO ASSESS ECOLOGICAL QUALITY OF RESERVOIRS?

Chairs. Moreno, E.; Poikane, S.; Brucet, S. and Van de Bund, W.

11:00 Hoyer, Andrea Birgit; Acosta, Mario; Anquita, Mansia; Fernández Baldomero, Javier; Schladow, Geoffrey; Rueda, Francisco José

SPATIAL EXPANSION OF AN INVASIVE SPECIES BY WIND-DRIVEN CURRENTS.

11:15 Kolada, Agnieszka; Dudley, Bernard; Willby, Nigel
 SS15-7 TESTING THE TAXONOMIC COMPOSITION MACROPHYTE METRICS FOR ASSESSMENT OF EUTROPHICATION – SEARCHING FOR AN INTERCALIBRATION COMMON METRIC

11:30 Marzin, Anahita; Belliard, Jérôme; Pont, Didier
 SS15-8 ECOLOGICAL ASSESSMENT OF RUNNING WATERS: DO MACROPHYTES, MACROINVERTEBRATES, DIATOMS AND FISH SHOW SIMILAR RESPONSES TO HUMAN PRESSURES?

11:45 Moe, Jannicke; Soszka, Hanna; Lyche Solheim, Anne
 SS15-9 ECOLOGICAL STATUS ASSESSMENT OF LAKES IN POLAND: INTEGRATION OF BIOLOGICAL INDICATORS AND EVALUATION OF UNCERTAINTY

12:00 Pahissa, José; de Hoyos, Caridad; Catalán, Jordi
 SS15-10 INTERCALIBRATION OF PHYTOPLANKTON-BASED ECOLOGICAL QUALITY EVALUATION METHODS DEVELOPED WITHIN THE MEDITERRANEAN GEOGRAPHICAL INTERCALIBRATION GROUP (GIG).

12:15 Phillips, Geoff; Solheim, Anne Lyche; Anderson, Tom; Skjelbred, Birger; Carvalho, Laurence; Mischke, Ute; Borics, Gabor; de Hoyos, Caridad; Moribato, Giuseppe; Moe, Jannicke
 SS15-11 ASSESSING THE STATUS OF PHYTOPLANKTON FOR THE WATER FRAMEWORK DIRECTIVE USING A COMMON METRIC APPLICABLE TO A VARIETY OF LAKE TYPES IN EUROPE

12:30 Pilotto, Francesca; Bazzanti, Marcello; Di Vito, Valentina; Frosali, Davide; Livretti, Francesco; Mastrantuono, Luciana; Solimini, Angelo Giuseppe
 SS15-12 EFFECTS OF EUTROPHICATION, MORPHOLOGICAL ALTERATION AND HABITAT CHARACTERISTICS ON THE SPATIAL DISTRIBUTION OF LITTORAL MACROINVERTEBRATE COMMUNITIES IN NATURAL MEDITERRANEAN LAKES

12:45 Poikane, Sandra; Brucet-Balmanas, Sandra; Birk, Sebastian; van de Bund, Wouter
 SS15-13 ECOLOGICAL ASSESSMENT OF LAKES IN EUROPE: LESSONS LEARNED AND CHALLENGES AHEAD

Chairs. Moreno, E.; Poikane, S.; Brucet, S. and Van de Bund, W.

15:15 Prats, Jordi; Arbat, Marina; Sánchez-Juny, Martí; Armengol, Joan; Dolz, Josep
 SS15-14 LONGITUDINAL PATTERNS OF WATER TEMPERATURE ALTERATION AT THE DAILY TIMESCALE: THE EBRO RIVER CASE

15:30 Pujante, Ana María; Siscar, Roser; Torreblanca, Amparo; Martínez, Miguel Ángel

- PRELIMINARY VERSION OF A FISH INTEGRATED BIOMARKER RESPONSE INDEX (IBR) FOR THE ASSESSMENT OF THE ECOLOGICAL HEALTH OF RIVERS
- 15:45 Rigosi, Anna; Rueda, Francisco
SS15-16 SELECTIVE WITHDRAWAL SHORT-TERM EFFECTS ON PHYTOPLANKTON COMMUNITY COMPOSITION IN A MEDITERRANEAN RESERVOIR
- Chairs: Moreno, E.; Poikane, S.; Brucet, S. and Van de Bund, W.
- 16:30 Rovira, Laia; Trobajo, Rosa; Leira, Manel;
SS15-17 Ibáñez, Carles
THE RESPONSE OF BENTHIC ESTUARINE DIATOM ASSEMBLAGES TO NATURAL AND ANTHROPOGENIC STRESSORS: APPLICATION OF THE EXISTING DIATOM INDICES IN A MEDITERRANEAN SALT WEDGE ESTUARY: THE EBRO RIVER ESTUARY (CATALONIA, NE SPAIN).
- 16:45 Serra, Sónia; Feio, Maria
SS15-18 DEVELOPMENT OF A DIGITAL TAXONOMIC KEY FOR PORTUGUESE MACROINVERTEBRATES IMPLEMENTED IN THE **AQUAWEB** ONLINE PLATFORM
- 17:00 Winfield, Ian; Emmrich, Matthias; Guillard,
SS15-19 Jean; Mehner, Thomas; Rustadbakken, Atle
THE USE AND STANDARDISATION OF HYDROACOUSTICS FOR THE ASSESSMENT OF FISH POPULATIONS IN LAKES AND RESERVOIRS
- 17:15 Brucet, Sandra; Pédrón, Stéphanie; Lauridsen,
SS15-20 Torben L.; Mehner, Thomas; Argillier, Christine; Winfield, Ian J.; Volta, Pietro; Emmrich, Matthias; Jeppesen, Erik
FISH COMMUNITY STRUCTURE IN EUROPEAN LAKES: THE ROLE OF EUTROPHICATION, CLIMATE AND HYDROMORPHOLOGY ALTERATIONS
- 17:30 Lopez-Roldan, Ramon; Gonzalez, Susana;
SS15-21 Pelayo, Sergi; Piña, Benjamin; Cortina, Jose Luis
INTEGRATION OF BIOLOGICAL ASSAY (ZEBRAFISH SCALE) AND PHYSICO-CHEMICAL ANALYSIS FOR DETECTION OF WATER QUALITY CHANGES
- 08 Novel techniques in freshwater ecology**
Location: Sala 1
Chair: Planas, D.
- 09:15 Cañedo-Argüelles, Miguel; Perrée, Isabelle;
08-1 Grantham, Ted; Rieradevall, Maria; Prat, Narcís
RESPONSE OF STREAM MACROINVERTEBRATES TO SALINIZATION: A MESOCOSM APPROACH
- 09:30 Domisch, Sami; Jaehrig, Sonja; Haase, Peter
08-2 SPECIES DISTRIBUTION MODELLING OF STREAM INVERTEBRATES UNDER CLIMATE CHANGE SCENARIOS
- 09:45 Tibor, Erös; Schmera, Dénes; Schick, Rob
08-3 NETWORK THINKING IN RIVERSCAPE CONSERVATION – A GRAPH-BASED APPROACH
- 10:00 Martínez López, Javier; Carreño Fructuoso,
08-4 María Francisca; Palazón Ferrando, Jose Antonio; Vidal-Abarca Gutierrez, María Rosario; Suárez Alonso, María Luisa; Gámez Cerezo, Rosa; Esteve Selma, Miguel Ángel
STUDY AND CLASSIFICATION OF SEMIARID WETLANDS BASED ON THEIR PLANT COMMUNITIES AND TOPOGRAPHY BY MEANS OF LIDAR AND SPECTRAL AIRBORNE REMOTE SENSORS.
- 10:15 08-5
Haggerty, Roy; González-Pinzon, Ricardo; Argerich, Alba; Martí, Eugènia; Christensen, Celene; Ribot, Miquel; Myrold, David
PATTERNS OF AEROBIC RESPIRATION IN STREAMS QUANTIFIED USING THE SMART TRACER RESAZURIN
- SS11 Multiple-scale perspectives on stream biogeochemistry**
Location: Sala 1
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- 11:00 Sponseller, Ryan; Temnerud, Johan; Bishop,
SS11-1 Kevin; Laudon, Hjalmar
AN ASSESSMENT OF REGIONAL PATTERNS AND DRIVERS OF DISSOLVED INORGANIC AND ORGANIC NITROGEN (N) LOSSES FROM BOREAL STREAMS AND RIVERS OF SWEDEN
- 11:15 Graeber, Daniel; Zwirnmann, Elke; Gelbrecht,
SS11-2 Jörg; Gücker, Björn; Kronvang, Brian
IMPROVING WATER DISSOLVED ORGANIC NITROGEN MEASUREMENT IN FRESHWATER SYSTEMS WITH HIGH INORGANIC NITROGEN CONCENTRATIONS: A COMPARISON OF DIALYSIS, ANION-EXCHANGE PRETREATMENT AND SIZE-EXCLUSION CHROMATOGRAPHY
- 11:30 Brookshire, Jack; Sponseller, Ryan
SS11-3 BIOGEOCHEMICAL EVOLUTION IN SMALL WATERSHEDS AND STREAMS
- 11:45 Aguilera Becker, Rosana; Marcé, Rafael;
SS11-4 Sabater, Sergi
MODELING INSTREAM NUTRIENT PROCESSES AT THE CATCHMENT SCALE: TESTING THE EFFICIENCY LOSS HYPOTHESIS
- 12:00 Bernal, Susana; von Schiller, Daniel; Martí,
SS11-5 Eugènia; Sabater, Francesc
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- 12:15 Martí, Eugènia; von Schiller, Daniel; Bernal,
SS11-6 Susana; Ribot, Miquel; Sabater, Francesc
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- 12:30 Gómez, Rosa; Arce, María Isabel; Sánchez-
SS11-7 Montoya, María del Mar; Suárez, María Luisa; Vidal-Abarca, María del Rosario

THE EFFECT OF FLOW VARIABILITY ON THE SEDIMENT NUTRIENT DYNAMICS IN AN INTERMITTENT MEDITERRANEAN STREAM

12:45 Thomas, Steve; El-Sabaawi, Rana; MacNeill, Keeley; Heatherly, Tom; Collins, Sarah; Pringle, Cathy; Flecker, Alex

AN ISOTOPE TRACER APPROACH TO ASSESSING TOP-DOWN AND BOTTOM-UP CONTROL OF NITROGEN CYCLING IN A NEOTROPICAL STREAM

Chairs: Thomas, S.A.; Marti, E.; Von Schiller, D.; Valett, M.; Brookshire, J. and Bernal, S.

15:15 Blesa, Alba; Martí, Eugènia; Ribot, Miquel; Peipoch, Marc

15N LONGITUDINAL PATTERNS IN BIOFILMS AS INTEGRATIVE SIGNAL OF N PROCESSING DOWNSTREAM OF WASTEWATER TREATMENT PLANT INPUTS

15:30 Pusch, Martin; Gücker, Björn; Brauns, Mario; Voss, Maren; Solimini, Angelo

EFFECTS OF TERTIARY-TREATED WASTEWATER DISCHARGE ON ECOSYSTEM FUNCTIONING AND FOOD WEB STRUCTURE IN AN URBAN STREAM

15:45 Grimm, Nancy; Hale, Rebecca; Turnbull, Laura; Earl, Stevan; Childers, Dan

STORMWATER NUTRIENTS IN URBAN CATCHMENTS: ARE DESIGNED ECOSYSTEMS EFFICIENT IN NUTRIENT RETENTION?

O10 Trophic webs

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Chair: Woodward, G.

16:30 Kainz, Martin; Heissenberger, Martin; Koussoroplis, Apostolos-Manuel; Martinz, Mariella; Nussbaumer, Julia; Schultz, Sebastian; Watzke, Jörg

CAN DIETARY FATTY ACIDS PREDICT FATTY ACID PROFILES IN AQUATIC CONSUMERS? - SCRUTINIZING FATTY ACID RETENTION OF ORGANISMS AT VARIOUS TROPHIC LEVELS

16:45 Hette, Nicolas; Dumont, Bernard; Pont, Didier; Roussel, Jean-Marc; Oberdorff, Thierry; Belliard, Jérôme

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17:00 Larsen, Thomas; Ventura, Marc; Andersen, Nils; Catalan, Jordi; O'Brien, Diane

STABLE ISOTOPE FINGERPRINTING OF AMINO ACIDS IN AQUATIC ECOSYSTEMS

17:15 Martino, Aurelia; Syväranta, Jari; Cucherousset, Julien; Kopp, Dorothée; Crivelli, Alain; Céréghino, Régis; Santoul, Frédéric

FRESHWATER PREDATION AT ECOSYSTEM BOUNDARIES: A CASE STUDY OF THE INTRODUCED EUROPEAN CATFISH (SILURUS GLANIS) IN SOUTHWEST FRANCE.

17:30 Rodríguez-Lozano, Pablo; Verkaik, Irima; Rieradevall, Maria; Prat, Narcís

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17:45 Jones, Iwan; Lauridsen, Rasmus; Edwards, Francois; Montoya, Jose; Ibbotson, Anton; Woodward, Guy; Hildrew, Alan

LARGE SCALE MANIPULATIONS OF A QUANTIFIED FOOD WEB

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O2 Biological and Ecosystem Conservation

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NEW TRENDS IN THE USE OF METHODOLOGY TO ESTABLISH THE EBRO WATER BODIES ECOLOGICAL QUALITY ACCORDING TO THE EUROPEAN WATER FRAMEWORK DIRECTIVE.

Friday 01 July 2011

Room	Sala Simfònica	Sala Petita	Sala d'Assaig	Sala 1
	Ground floor	Ground floor	First floor	Second floor
08:30 - 09:15	D. Livingstone Plenary			
09:15 - 09:30	SS4. Singer	SS1. Timoner	09. Matthaei	SS14. Altaba
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09:45 - 10:00	SS4. del Giorgio	SS1. Zoppini	09. Wagenhoff	SS14. Sánchez-Fontemla
10:00 - 10:15	SS4. Obrador	SS1. Mora	09. Keck	SS14. Pina
10:15 - 10:30	SS4. Roland	SS1. Stubington	09. Liess	SS14. Ureña
10:30 - 11:00	Morning Break			
11:00 - 11:15	SS4. Lopez	SS1. Poznanska	09. Plénet	SS7. Sabater
11:15 - 11:30	SS4. Scott	SS1. Wood	09. Istvánovics	SS7. Carrapigo
11:30 - 11:45	SS4. Rasilo	SS1. Magoulick	04. Corcoll	SS7. Naselli
11:45 - 12:00	SS4. Vidal	SS1. Detry	04. Perona	SS7. Ordoñez
12:00 - 12:15	SS4. Filella	SS1. Corti	04. Santos	SS7. Terrado
12:15 - 12:30		SS1. Von Schiller	04. Bonastre	SS7. Romani
12:30 - 12:45		SS1. Garcia	04. Berezina	
12:45 - 13:00	Closing			

FRIDAY, 30 JUNE 2011**SS4 Freshwater ecosystems as fundamental components in regional carbon budgets: a cross-system perspective**

Chairs: Del Giorgio, P.; Sobek, S.; Obrador, B. and Marce, R.

09:15 Singer, Gabriel; Hengsberger, Sabrina; Besemer, Katharina; Battin, Tom; Dittmar, Thorsten
SS4-1
STREAM NETWORK-SCALE PATTERNS OF DOC-PROCESSING AND CARBON DIOXIDE EVASION

09:30 Wallin, Marcus; Grabs, Tomas; Buffam, Ishi; Laudon, Hjalmar; Ågren, Anneli; Öquist, Mats; Bishop, Kevin
SS4-2
EVASION OF CO₂ FROM STREAMS - A MAJOR COMPONENT OF THE CARBON EXPORT THROUGH THE AQUATIC CONDUIT IN A BOREAL CATCHMENT

09:45 Del Giorgio, Paul; St Pierre, Annick; Lapierre, Jean-François; Vachon, Dominic
SS4-3
MAJOR ROLE OF CARBON DIOXIDE AND METHANE EMISSIONS FROM BEAVER DAMS AT THE LANDSCAPE LEVEL IN THE BOREAL REGION OF QUÉBEC

10:00 Obrador, Biel; Marcé, Rafael; Riera, Joan Lluís; Morguí, Josep Anton; López, Pilar; Armengol, Joan
SS4-4
ALKALINITY AND THE INORGANIC CARBON EQUILIBRIUM SHAPE THE METABOLISM-CO₂ SATURATION RELATIONSHIP IN LENTIC FRESHWATERS

10:15 Roland, Fabio; Barros, Nathan; Cole, Jonathan; Huszar, Vera
SS4-5
ECOSYSTEM ASSESSMENT OF CARBON IN TROPICAL HYDROELECTRIC RESERVOIRS

Chairs: Del Giorgio, P.; Sobek, S.; Obrador, B. and Marce, R.

11:00 Lopez-Laseras, Pilar; Marce, Rafael; Armengol, Joan
SS4-6
NET HETEROTROPHY AND CO₂ EVASION FROM A PRODUCTIVE CALCAREOUS RESERVOIR

11:15 Scott, Daniel; Anderson, John; Ryves, David
SS4-7
CARBON FIXATION, FLUX AND BURIAL EFFICIENCY IN TWO CONTRASTING EUTROPHIC LAKES IN THE UK (ROSTHERNE MERE AND TATTON MERE).

11:30 Rasilo, Terhi; Ojala, Anne; Huotari, Jussi; Pumpanen, Jukka
SS4-8
DYNAMICS OF CO₂ CONCENTRATION IN A SOIL-LAKE-BROOK CONTINUUM OF A BOREAL FORESTED CATCHMENT

11:45 Vidal, Luciana; Roland, Fabio; Abril, Gwenael; Artigas, Felipe
SS4-9
BACTERIAL METABOLISM IN THE AMAZON RIVER SYSTEM

12:00 Filella, Montserrat; Rodríguez-Murillo, Juan Carlos; Nirel, Pascale
SS4-10
TEMPORAL EVOLUTION OF DISSOLVED ORGANIC

CARBON IN A TEMPERATE WATERSHED: LAKE GENEVA AND RIVERS OF CANTON GENEVA, SWITZERLAND

SS1 When rivers run dry: temporary streams as coupled aquatic-terrestrial ecosystems

Location: Sala Petita

Chairs: Datry, T.; Tockner, K.; Arscott, D. and Corti, R.

09:15 Timoner, Xisca; Acuña, Vicenç; Sabater, Sergi
SS1-1
INTERMITTENCY DIFFERENTIAL EFFECTS ON C:N:P USE BY ECTOENZYMES IN A MEDITERRANEAN STREAM.

09:30 Dehedin, Arnaud; Gaillard, Isabelle; Danjean, Marc; Thibault, Datry; Volatier, Laurence
SS1-2
LONGITUDINAL CHANGES IN EPILITHIC MICROBIAL COMMUNITY STRUCTURE ALONG AN INTERMITTENT RIVER: INFLUENCE OF DRYING/REWETTING CYCLES

09:45 Zoppini, Annamaria; Fazi, Stefano; Amalfitano, Stefano; Casella, Patrizia; Lupini, Giuliano; Puddu, Alberto
SS1-3
RECOVERY OF BACTERIA FROM DRY RIVER SEDIMENTS AFTER A PERIOD OF SIMULATED AND NATURAL DROUGHT

10:00 Mora Gomez, Juanita; Romani Cornet, Anna; Elozegi, Arturo
SS1-4
MICROBIAL DECOMPOSITION OF LEAF LITTER IN A MEDITERRANEAN STREAM

10:15 Stubbington, Rachel; Wood, Paul J.; Reid, Ian
SS1-5
INVERTEBRATES IN THE HYPORHEIC ZONE REFUGIUM: IS COMPARING BENTHIC AND HYPORHEIC POPULATIONS VALID?

Chairs: Datry, T.; Tockner, K.; Arscott, D. and Corti, R.

11:00 Poznanska, Malgorzata; Kakareko, Tomasz; Krzyzynski, Maciej; Kobak, Jaroslaw
SS1-6
EFFECT OF SUBSTRATUM DRYING ON THE SURVIVAL AND MIGRATIONS OF NATIVE AND PONTO-CASPIAN GAMMARIDS

11:15 Wood, Paul; Stubbington, Rachel; Pitcher, Alexandra; House, Andrew
SS1-7
HYDROGEOLOGICAL CONTROLS ON INVERTEBRATE COMMUNITIES IN TEMPORARY STREAMS

11:30 Magoulick, Dan
SS1-8
IMPACTS OF DRYING AND CRAYFISH INVASION ON STREAM ECOSYSTEM STRUCTURE AND FUNCTION

11:45 Datry, Thibault; Corti, Roland; Philippe, Michel; Charansol, Steeve
SS1-9
INVERTEBRATE RESPONSES TO REWETTING IN A TEMPORARY RIVER IN FRANCE: EFFECTS OF PRECEDING DRY PERIOD DURATION.

12:00 Corti, Roland; Charansol, Steeve; Datry, Thibault
SS1-10
SURFING THE WAVE: INVERTEBRATE FLUXES IN THE ADVANCING WETTED FRONT OF A

TEMPORARY RIVER FOLLOWING A 6 MONTH DRY PERIOD

12:15 Von Schiller, Daniel; Graeber, Daniel; Britto, David; García-Roger, Eduardo; Gelbrecht, Jörg; Karaouzas, Ioannis; Koutsikos, Nikolaos; Prat, Narcis; Steward, Alisha; Tockner, Klement

SS1-11 TERRESTRIAL INVERTEBRATE COMMUNITIES OF TEMPORARY MEDITERRANEAN STREAMS

12:30 García Novo, Francisco; Fernández Lo Faso, Raquel P.

SS1-12 PLANT COMMUNITIES OF AN EPHEMERAL STREAM IN THE AQUATIC-TERRESTRIAL TRANSITIONAL PHASE

09 Emerging concepts in freshwater ecology

Location: Sala d'Assaig

Chair: Dahm, C.

09:15 Matthaei, Christoph; Piggott, Jeremy; Townsend, Colin

09-1 MULTIPLE AGRICULTURAL STRESSORS IN STREAMS: LESSONS FROM EXPERIMENTS AT TWO SPATIAL SCALES

09:30 Salis, Romana; Matthaei, Christoph; Winkworth, Cynthia

09-2 MULTIPLE-STRESSOR EFFECTS OF THE AGRICULTURAL ANTIBIOTIC MONENSIN, DAIRY EFFLUENT AND RIPARIAN SHADE ON STREAM ALGAL COMMUNITIES

09:45 Wagenhoff, Annika; Matthaei, Christoph; Townsend, Colin

09-3 MULTIPLE-STRESSOR EFFECTS ALONG GRADIENTS OF DEPOSITED FINE SEDIMENT AND DISSOLVED NUTRIENTS IN STREAMS

10:00 Keck, François; Lepori, Fabio

09-4 CAN WE PREDICT NITROGEN LIMITATION IN STREAMS AND RIVERS?

10:15 Liess, Antonia; Lind, Martin; Rowe, Owen; Thomsson, Gustaf; Guo, Junwen

09-5 AQUATIC CONSUMER GROWTH RATES AND GROWTH EFFICIENCIES ARE HIGHER AT HIGHER LATITUDES - BUT AT WHAT COST?

11:00 Plénet, Sandrine; Statzner, Bernhard

09-6 GRADIENTS IN PHYLOGENY AND PUPAL CASE ARCHITECTURE OF NINE HYDROPSYCHE SPECIES (TRICHOPTERA) ALONG THE LOIRE RIVER

11:15 Istvánovics, Vera; Honti, Márk

09-7 PHYTOPLANKTON GROWTH IN THREE RIVERS - THE ROLE OF MEROPLANKTON AND THE BENTHIC RETENTION HYPOTHESIS

04 Physiological Ecology

Location: Sala d'Assaig

Chair: Borrego, C.

11:30 11:30 O4-1 Corcoll, Natàlia; Bonet, Berta; Leira, Manel; Guasch, Helena

04-1 LIGHT HISTORY INFLUENCES THE RESPONSE OF FLUVIAL BIOFILMS TO ZN EXPOSURE

11:45 Perona, Elvira; Carmona, Javier; Berrendero, Esther; Cartajena, Mariana; Loza, Virginia; Beltran, Yenny; Hernández, Ignacio; Sánchez-Díaz, Elena; Fernández-Valiente, Eduardo; Mateo, Pilar

04-2 ENVIRONMENTAL CONTROL OF CRUCIAL PHYSIOLOGICAL ACTIVITIES IN FLUVIAL BENTHIC CYANOBACTERIA

12:00 Santos, José; Almeida, Salomé; Figueira, Etelvina

04-3 CADMIUM EFFECTS IN NITZSCHIA PALEA (KÜTZING) W. SMITH FRUSTULE PROTEINS

12:15 Bonastre, Marta; Miró, Alexandre; Larsen, Thomas; Ventura, Marc

04-4 MINERAL SHIELDS IN THE CLADOCERA: THE IMPORTANCE OF HYDROXYAPATITE FOR THE STOICHIOMETRIC BALANCE OF PHOSPHORUS IN DAPHNIA.

12:30 Berezina, Nadezhda

04-5 PERCH MEDIATED SHIFTS IN REPRODUCTIVE VARIABLES OF THE AMPHIPOD GAMMARUS LACUSTRIS IN LAKES OF NORTHERN RUSSIA

SS14 Freshwater mollusks. Biodiversity and ecological threats and Conservation strategies

Location: Sala 1

Chairs: Altaba, C.; Barata, C. and Piña, B.

09:15 Altaba, Cristian R

SS14-1 ERASING THE MOLLUSCAN RICHNESS OF FRESHWATER ECOSYSTEMS: A MEDITERRANEAN PERSPECTIVE

09:30 Zbikowska, Elzbieta; Cichy, Anna

SS14-2 PARASITES AND PATHOGENS CAN MODIFY THERMAL PREFERENCES OF FRESHWATER SNAILS

09:45 Sánchez-Fontenla, Javier; López, Miguel Ángel; Barata, Carlos; Torreblanca, Amparo; Cordero, David; Peña, Juan B.; Saavedra, Carlos

SS14-3 FIRST GENETIC DATA ON ZEBRA MUSSEL (DREISSENA POLYMORPHA) POPULATIONS FROM RECENTLY INVADED SPANISH RIVERS.

10:00 Pina, Benjamin; Navarro, Anna; Campos, Bruno; Barata, Carlos

SS14-4 PHYSIOLOGICAL DIFFERENCES OF SPANISH ZEBRA MUSSEL (DREISSENA POLYMORPHA) POPULATIONS USING TRANSCRIPTOME ANALYSES.

10:15 Ureña, Rocio; Ruiz, Olga; del Ramo, Jose; López, Miguel Angel; Barata, Carlos; Torreblanca, Amparo

SS14-5 ECOPHYSIOLOGICAL CHARACTERIZATION OF ZEBRA MUSSEL POPULATIONS (DREISSENA POLYMORPHA) INVADING THE EBRO AND THE JÚCAR HYDROGRAPHIC BASINS.

SS7 Effects of global change on water quality under drought conditions in Mediterranean regions

Chair: Boavida, M.

11:00 Sabater, Sergi; Duran, Concha; Perez-
SS7-1 Baliero, Maria C; Romaní, Anna M; Ruiz-
González, Clara; Soley, Susanna; Timoner,
Xisca; Tornés, Elisabet; Ylla, Irene; Artigas,
Joan

SPATIAL AND TEMPORAL PATTERNS OF
PHOSPHORUS UTILIZATION BY PLANKTONIC
COMMUNITIES IN A LARGE REGULATED
MEDITERRANEAN RIVER

11:15 Carrapiço, Francisco
SS7-2 DEVELOPMENT AND ENVIRONMENTAL
IMPACTS OF AZOLLA FILICULOIDES IN THE
IBERIAN PENINSULA UNDER THE CLIMATIC
CHANGES

11:30 Naselli-Flores, Luigi
SS7-3 INFLUENCE OF CLIMATE ON PHYTOPLANKTON
DYNAMICS IN MEDITERRANEAN WATER
BODIES

11:45 Ordóñez, Jaime; Rodríguez, José Javier;
SS7-4 García, Juan Carlos; Marcé, Rafael;
Armengol, Joan
IMPORTANCE OF RESERVOIR MANAGEMENT
TO IMPROVE THE WATER QUALITY THEY
SUPPLY: EXAMPLE OF SOME CATALAN
RESERVOIRS

12:00 Terrado, Marta; Acuña, Vicenç; Ennaanay,
SS7-5 Driss; Sabater, Sergi
CHANGE IN THE PROVISION OF CURRENT
FRESHWATER ECOSYSTEM SERVICES IN A
MEDITERRANEAN BASIN UNDER WET AND
DRY CONDITIONS

11:00 Romaní, Anna M.; Díaz Villanueva, Verónica;
SS7-6 Font, Jordi; Schwartz, Thomas
BIOFILM FORMATION AT WARMING
TEMPERATURE: ENHANCED EFFECTS AT
EUTROPHIC CONDITIONS

FRIDAY, 1 JULY 2011



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