



girona

Asociación
Ibérica de
Limnología

Associação
Ibérica de
Limnologia

AIL



Catalan Institute
for Water Research



Universitat de Girona



european federation
for freshwater sciences

Symposium for European Freshwater Sciences

*June 27 - July 1
2011*



www.sefs2011.com



Contents

Welcome and Committees	4
------------------------------	---

About Girona	5
Getting around	5
Commercial opening times	5
Useful telephones	5

About the venue	5
------------------------------	----------

At the Meeting	6
Registration	6
Coffee Breaks	6
Meals	6
Internet Access	6
Oral presentations	6
Instructions for Oral Presenters	6
Poster Presentations	6
Notice board	6

Social Events

Welcome Cocktail	6
Riverwebs	6
Congress dinner	6
Exhibits	6
Exhibition and Poster Floor Map	7

Student Activities	8
Pre-Meeting course	8
Students/Editors Get-Together	8
A European platform of freshwater young researchers	8

Technical Excursions	8
Biking along the Brugent Stream	8
Sau Reservoir	9
Baix Ter Wetlands	9
«Estany de Banyoles» (Lake Banyoles)	9
Photo Contest for the Technical Excursions	9

PLENARY LECTURES 10

Margaret A. Palmer	10
Guy Woodward	10
Andrew Boulton	10
Arturo Elosegi	11
Gilles Pinay	11
Kurt D. Fausch	12
David M. Livingstone	12

Congress Venue Maps

Ground Floor	13
First Floor	14
Second Floor	15

Schedule SEFS 7 16

Sessions

Monday June 27 17

Oral Sessions	
Ordinary Session 3	18
Special Session 3	19
Special Session 12	19
Ordinary Session 6	20
Special Session 8	20
Special Session 6	21
Special Session 9	22

Tuesday June 28 23

Oral Sessions	
Ordinary Session 1	24
Ordinary Session 7	25
Ordinary Session 5	26
Special Session 5	27
Ordinary Session 2	27
Special Session 2	28

Poster presentations

Ordinary Session 1	28
Ordinary Session 3	29
Ordinary Session 6	30
Special Session 3	31
Special Session 6	32
Special Session 8	32
Special Session 12	33

Thursday June 34

Oral Sessions	
Special Session 10	35
Special Session 13	36
Special Session 15	37
Ordinary Session 8	38
Special Session 11	38
Ordinary Session 10	39

Poster presentations

Ordinary Session 2	39
Ordinary Session 4	40
Ordinary Session 5	40
Ordinary Session 7	41
Ordinary Session 8	41
Ordinary Session 10	42
Special Session 1	42
Special Session 2	42
Special Session 4	42
Special Session 5	42
Special Session 10	43
Special Session 13	43
Special Session 14	43
Special Session 15	43

Friday July 1 45

Oral Sessions	
Special Session 4	46
Special Session 1	46
Ordinary Session 9	47
Ordinary Session 4	47
Special Session 14	47
Special Session 7	48

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 historial 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

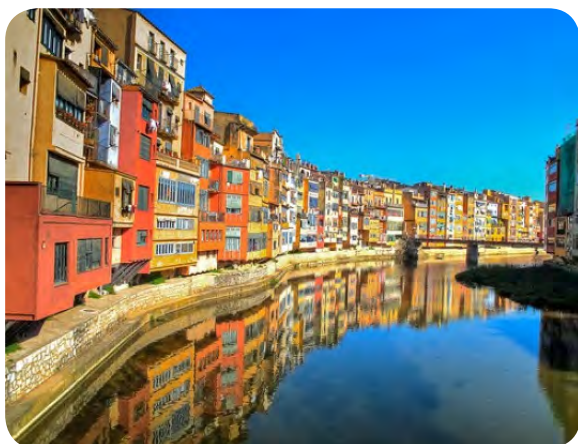
Sergi Sabater
Antonio Camacho

Vicenç Acuña
Joan Armengol
Damià Barceló
Núria Bonada
Dani Boix
Arturo Elosegí
Maria Joao Feio
Emili García-Berthou
Stephanie Gascón
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

Scientific Committee

Tom Battin
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



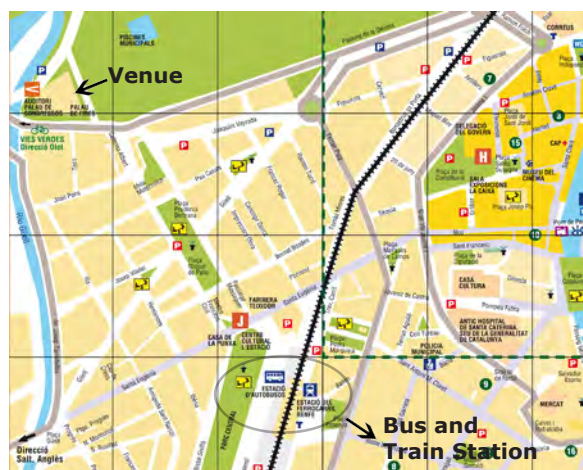
The Girona Auditorium and Conference Centre belongs to the new generation of 21st century conference centres. Designed by the prestigious team of Girona architects Jordi Bosch Genover, Joan Tarrús Galter and Manel Bosch Aragó, the building has been conceived as both a concert hall and a conference centre.

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

 WILEY-BLACKWELL

Walz

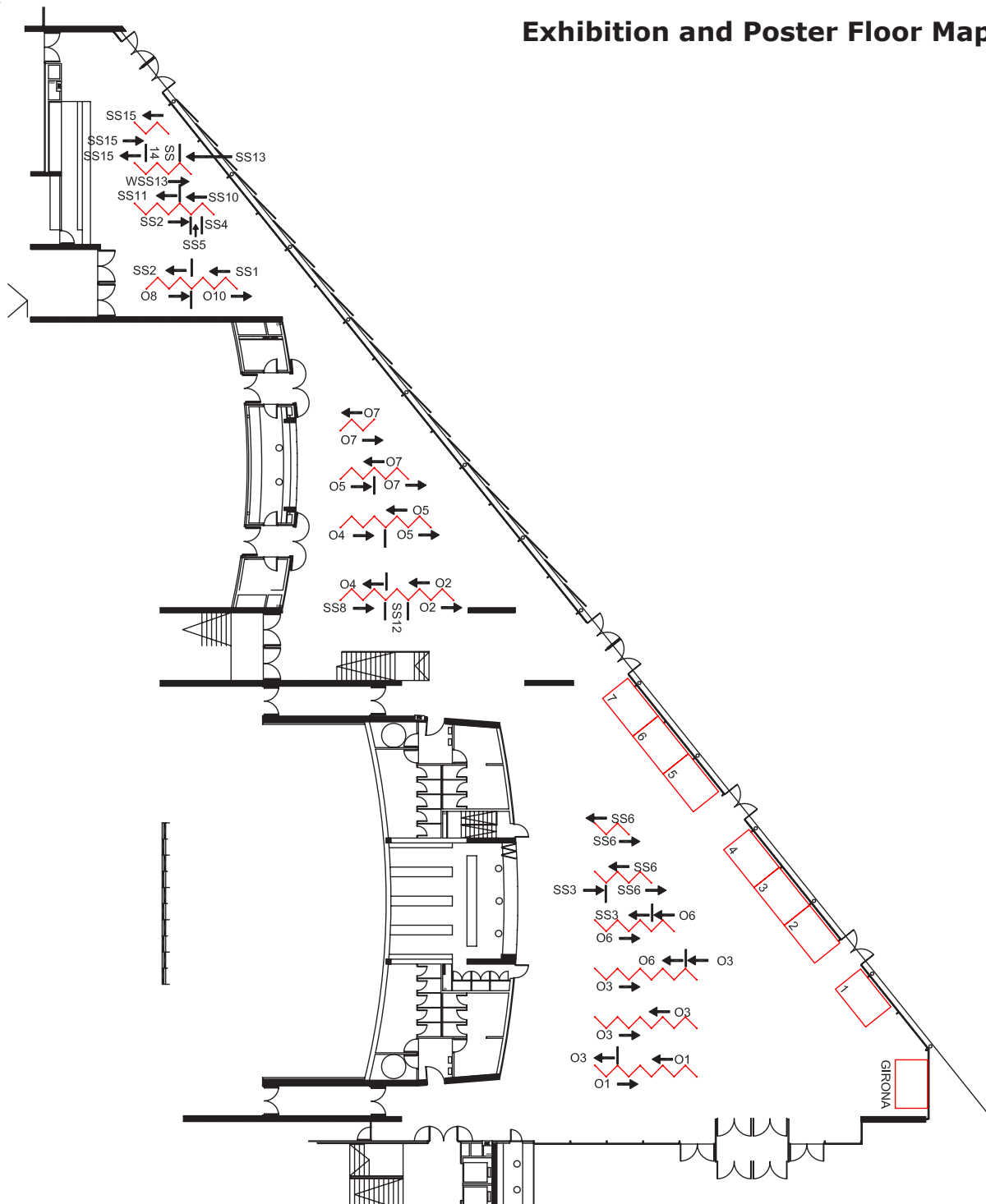
<http://www.walz.com/>

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 Romaní, 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 Pastoral 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 annunciated 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

08.30- 09.15 h.

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.

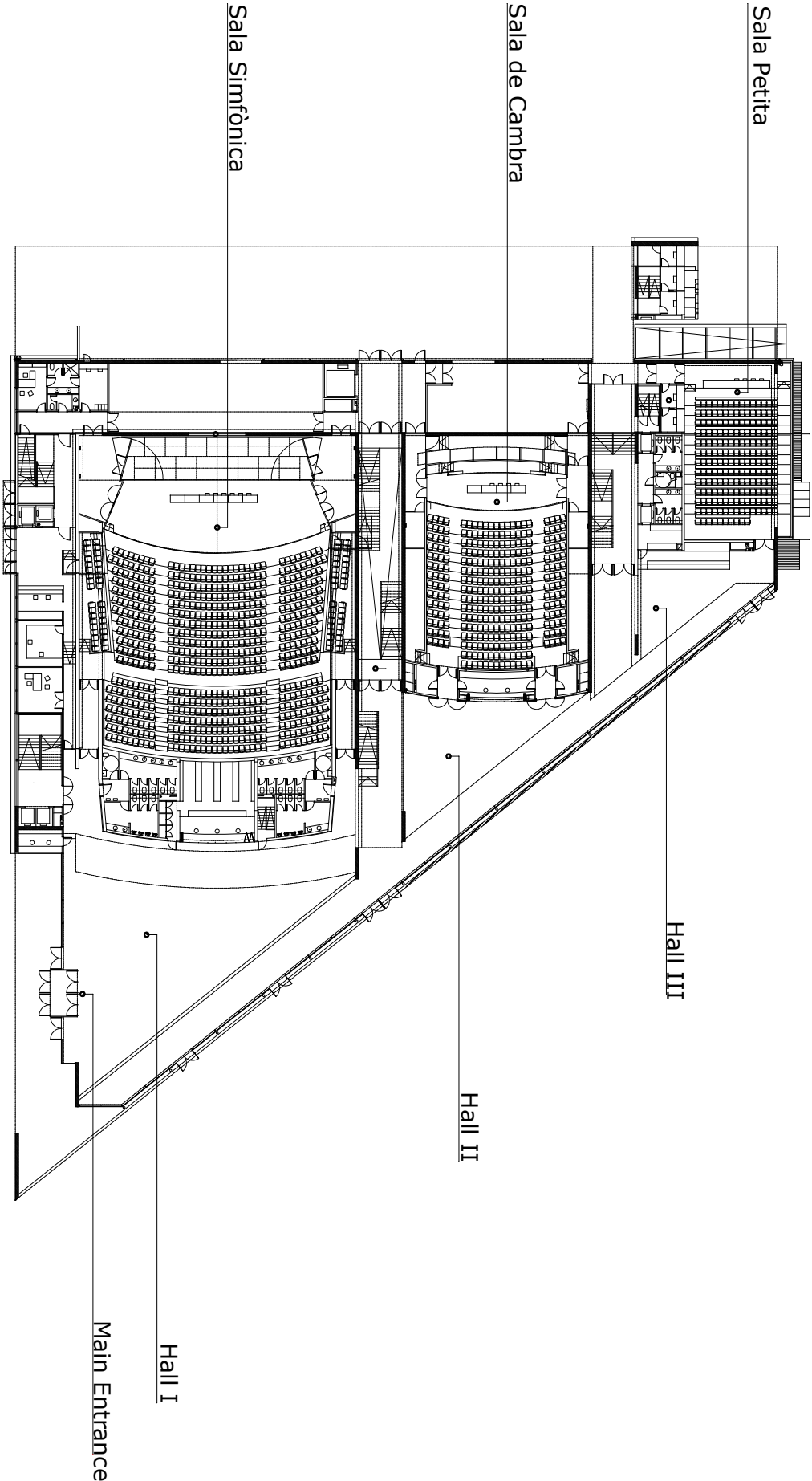
Presented by V. Acuña

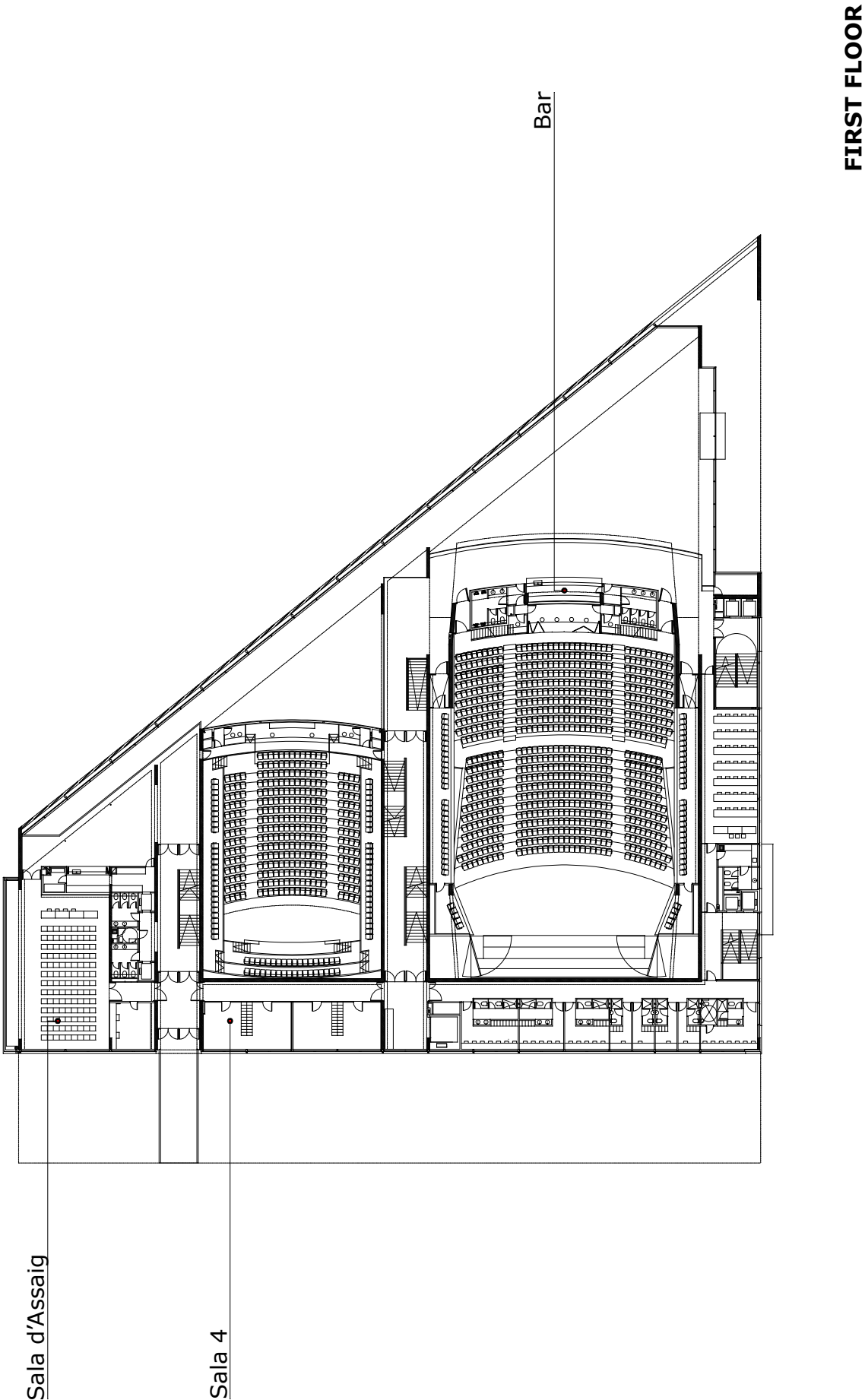
David M. Livingstone - Swiss Federal Institute of Environmental Science and Technology (EAWAG), Switzerland

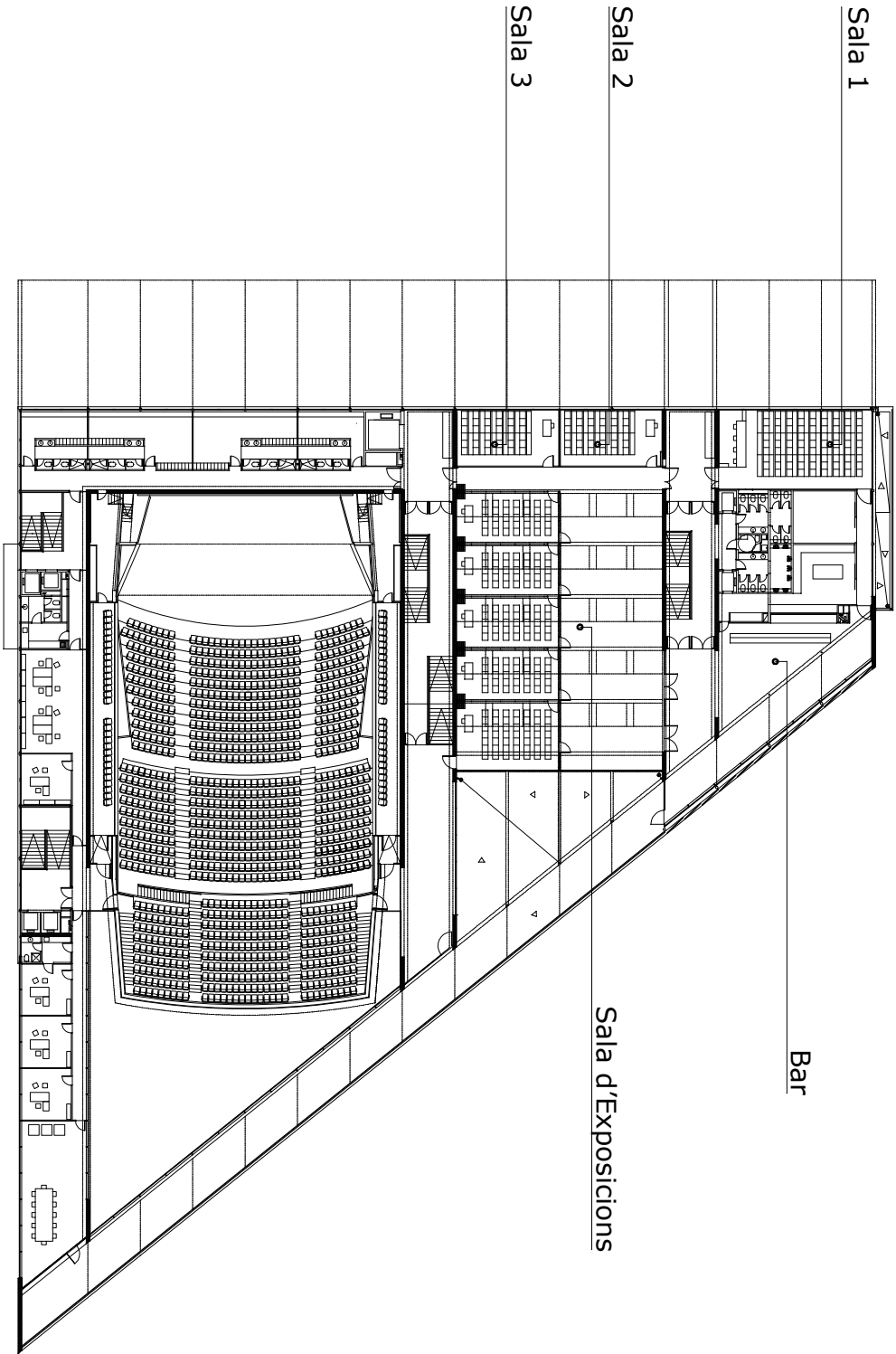
Presentation: "The physical impact of large-scale climatic forcing and long-term climate change on inland waters"

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.

GROUND FLOOR







SECOND FLOOR

FLOOR ROOM	SIMFONICA GROUND	PETITA GROUND	ASSAIG FIRST	SALA 1 SECOND	SALA 3 SECOND	RECEPTION GROUND	HALL 1 GROUND	HALL 2 GROUND	HALL 3 GROUND	FLOOR ROOM
MONDAY										MONDAY
08:00 - 08:15										08:00 - 08:15
08:15 - 08:30										08:15 - 08:30
08:30 - 08:45										08:30 - 08:45
08:45 - 09:00										08:45 - 09:00
09:00 - 09:15										09:00 - 09:15
09:15 - 09:30										09:15 - 09:30
09:30 - 09:45										09:30 - 09:45
09:45 - 10:00										09:45 - 10:00
10:00 - 10:15										10:00 - 10:15
10:15 - 10:30										10:15 - 10:30
10:30 - 10:45										10:30 - 10:45
10:45 - 11:00										10:45 - 11:00
11:00 - 11:15										11:00 - 11:15
11:15 - 11:30										11:15 - 11:30
11:30 - 11:45										11:30 - 11:45
11:45 - 12:00										11:45 - 12:00
12:00 - 12:15										12:00 - 12:15
12:15 - 12:30										12:15 - 12:30
12:30 - 12:45										12:30 - 12:45
12:45 - 13:00										12:45 - 13:00
13:00 - 13:15										13:00 - 13:15
13:15 - 13:30										13:15 - 13:30
13:30 - 13:45										13:30 - 13:45
13:45 - 14:00										13:45 - 14:00
14:00 - 14:15										14:00 - 14:15
14:15 - 14:30										14:15 - 14:30
14:30 - 14:45										14:30 - 14:45
14:45 - 15:00										14:45 - 15:00
15:00 - 15:15										15:00 - 15:15
15:15 - 15:30										15:15 - 15:30
15:30 - 15:45										15:30 - 15:45
15:45 - 16:00										15:45 - 16:00
16:00 - 16:15										16:00 - 16:15
16:15 - 16:30										16:15 - 16:30
16:30 - 16:45										16:30 - 16:45
16:45 - 17:00										16:45 - 17:00
17:00 - 17:15										17:00 - 17:15
17:15 - 17:30										17:15 - 17:30
17:30 - 17:45										17:30 - 17:45
17:45 - 18:00										17:45 - 18:00
18:00 - 18:15										18:00 - 18:15
18:15 - 18:30										18:15 - 18:30
18:30 - 18:45										18:30 - 18:45
18:45 - 19:00										18:45 - 19:00
19:00 - 19:15										19:00 - 19:15
19:15 - 19:30										19:15 - 19:30
19:30 - 19:45										19:30 - 19:45
19:45 - 20:00										19:45 - 20:00
20:00 - 20:15										20:00 - 20:15
20:15 - 20:30										20:15 - 20:30
TUESDAY										TUESDAY
08:00 - 08:15				</						

Monday 27 June 2011

Room	Sala Simfónica	Sala Petita	Sala d'Assaig	Sala 1	Hall I	Halls (Simf + Cambra + Petita)	
	Ground floor	Ground floor	First floor	Second floor	Ground floor	Ground floor	
08:30 - 09:15	M. Palmer Plenary						
09:15 - -09:30	03. Bonet		06. Sarmento	SS6. Lobon		Exhibits and posters	
09:30 - -09:45	03. Bouchez	SS3. Ibisate	06. Sommaruga	SS6. Jhéu			
09:45 - 10:00	03. Fernandez-Piñas	SS3. Belletti	06. Gerphagnon	SS6. Carnona			
10:00 - 10:15	03. López-Doval	SS3. Barquin	06. Camacho	SS6. Pekcan			
10:15 - 10:30	03. Morin	SS3. Corenbilt	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. Ricart	SS3. Stella	06. Frossard	SS6. Alexandre			
11:30 - 11:45	03. Rimet	SS3. González	06. Felp	SS6. Magellan			
11:45 - 12:00	03. Young	SS3. Reich	06. Merbt	SS6. Caiola			
12:00 - 12:15	03. Sabater	SS3. Harper	06. Ruilk	SS6. Benejam			
12:15 - 12:30	03. Alba-tercedor	SS3. Statzner	06. Garcia-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					Exhibits and posters	
15:15 - 15:30	03. Font	SS3. Kail	SS8. Finn	SS9. Fietz			
15:30 - 15:45	03. Gee	SS3. Molinero	SS8. Balint	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. Peña	SS12. Buffan-Dubau	SS8. Kohout	SS9. Catalan			
17:30 - 17:45	03. Alvarez-Cabria	SS12. Wettere	SS8. Freimann	SS9. Savitchcheva			
17:45 - 18:00	03. Arce	SS12. Moens	SS8. Fillol				
18:00 - 18:15							
18:15 - 18:30							
18:30 - 18:45							
18:45 - 19:00							
19:00 - 19:15							
19:15 - 19:30							
19:30 - 19:45							
19:45 - 20:00							
20:00 - 20:15							
20:15 - 20:30							

Course Students
Editors Get-
Together

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

Location: Sala Simfònica

Chair Davies, P.

09:15 Bonet, Berta; Corcoll, Natàlia; Acuña,
03-1 Vicenç; Sigg, Laura; 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;
Lüring, 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; Elosegi, 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 J.L. 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

Location: Sala Petita

Chair: Elosegí, 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: Elosegí, 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: Elosegí, 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; Elosegí, Arturo

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

15:45 Acuña, Vicenç; Díez, Joserra; Flores, Lorea; Elosegí, 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; Traunsperger, Walter; Palomo, Alejandro; Catalan, Jordi

TESTING THE EURYOECIOUS CHARACTER OF NEMATODES AGAINST THE ALTITUDINAL ENVIRONMENTAL GRADIENT OF MOUNTAIN LAKES

17:00 Majdi, Nabil; Mialet, Benoît; Tackx, Michèle; 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; Mialet, Benoît; Boyer, Stéphanie; Leflaive, Joséphine; Boulêtreau, Stéphanie; Ten-Hage, Loïc; Julien, Frédéric; Fernandez, Robert; Tackx, Michèle

RELATIONSHIP BETWEEN AN EPIILTHIC BIOFILM AND ITS ASSOCIATED MEIOFAUNA UNDER TWO PATTERNS OF FLOOD DISTURBANCE IN THE GARONNE RIVER (FRANCE)

17:30 Weitere, Markus; Kathol, Marcel; Fischer, 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, 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, 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 Sommaruga, Ruben; Holzer, Evelyn; Koblizek, Michal; Cuperová, Zuzana

ARE AEROBIC ANOXYGENIC PHOTOTROPHIC BACTERIA NUMERICALLY IMPORTANT IN TRANSPARENT ALPINE LAKES?

09:45 Gerphagnon, Melanie; Latour, Delphine; Colombet, Jonathan; Sime-Ngando, Télesphore

CHYTRID PARASITISM: A MISSING FACTOR INVOLVED IN THE DECLINE OF CYANOBACTERIAL BLOOMS

10:00 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 Artigas, Joan; Pascual, Noémie; Chastain, Jeoffrey; 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

Chair Romani, A.

11:00 Diaz de Quijano, Daniel; Felip, Marisol; Nedoma, Jiri

Should single-cell phosphatase activity be quantified on 3D images?

11:15 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 Felip, Marisol; Ballen, Miguel Angel; Medina-Sánchez, Juan-Manuel; Catalan, Jordi

SELECTIVE FEEDING ON ARCHAEA BY SOME MIXOTROPHIC FLAGELLATES IN NATURAL ASSEMBLAGES

11:45 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 Rulik, Martin; Brablcova, 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 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 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 Ramió-Pujol, Sara; Bañeras, Lluís; Artigas, Joan; Romaní, 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

Location: Sala d' Assaig

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

15:15 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 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, Mary Ann; Casamayor, Emilio Ortega
SS8-3
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; Karpathi, Theresa; Werth, Silke; Keller, Irene; Peter, Armin; Scheidegger, Christoph; Robinson, Christopher
SS8-5
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; Loot, Géraldine; Blanchet, Simon
SS8-6
ASSESSING THE IMPACT OF HABITAT FRAGMENTATION ON THE DEMOGRAPHIC HISTORIES OF POPULATIONS EXPERIENCING ASYMMETRIC GENE FLOW.

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

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

17:45 Fillol, Mireia; Plasencia, Anna; Auguet, Olga; Borrego, Carles
SS8-9
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, Dácio
SS6-2
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; García-Berthou, Emili
SS6-3

VARIATION IN LIFE HISTORY TRAITS OF INVASIVE MOSQUITOFISH ALONG SPATIAL GRADIENTS

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

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

Chairs: Garcia, E and Lobon, J.

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

11:15 Alexandre, Carlos; Ferreira, Teresa; Almeida, Pedro
SS6-7
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; Rodríguez, Silvia; Nebra, Alfonso; Muñoz, Gloria
SS6-9
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, Mònica; Solà, Carolina; Munné, Antoni
SS6-10
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; Katopodis, Christos; Pinheiro, António; Viseu, Teresa; Ferreira, Teresa
SS6-12
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 PALAEOLIMNOLOGICAL 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
SS9-8 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 Simfònica	Sala Petita	Sala d'Assaig	Sala 1	Sala 3	Hall I	Halls (Simf + Cambra + Petita)	
	Ground floor	Ground floor	First floor	Second floor	Second floor	Ground floor	Ground floor	
08:30 - 09:15	A. Boulton Plenary					R e g i s t r a t i o n	Exhibits and posters	
09:15 - 09:30	O1. Pulido	O7. Angeler	O5. Leberfinger	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. Arsti	SS5. Dossena				
10:00 - 10:15	O1. Joensuu	O7. Nussbaumer	O5. Carlson	SS5. Elliot	O2. Lorenz			
10:15 - 10:30	O1. Ruzicková	O7. Schabhubtli	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		Exhibits and posters	
11:15 - 11:30	O1. Encalada	O7. Striebel	O5.Lima-Fernandes	SS5. Khalil	O2. Thouvenot			
11:30 - 11:45	O1. Feio	O7. Anton-Pardo	O5. Peipoch	SS5. Ledger	O2. Von Fumetti			
11:45 - 12:00	O1. Flores	O7. De Wever	O5. Sanpera	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. Perga	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. Radková	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. Méricoux	O5. Ibáñez	SS5. Villar	O2. Lintermans		Exhibits and posters	
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. Faggiano		O5. Planas		SS2. Rudner			
17:30 - 17:45								
17:45 - 18:00								
18:00 - 18:15								
18:15 - 18:30								
18:30 - 18:45								
18:45 - 19:00								
19:00 - 19:15								
19:15 - 19:30								
19:30 - 19:45								
19:45 - 20:00								
RIVERWEBS							EFFS Meeting	
Poster session O1, O3, O6, SS3, SS6, SS8, SS9, SS12								

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

Location: Sala Simfónica

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; Eloegi,
01-9 Arturo
EFFECTS OF FOOD TYPE AND AVAILABILITY
ON CONSUMPTION AND GROWTH OF
LARVAL SERICOSTOMA VITTATUM RAMBUR
(TRICHOPTERA).

12:00 Kóoupalová, 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 Kóoupalová, 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 Schabdhüttl, 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; Vuèkoviaè, 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; Elozegi, 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 O5-7

05-7 Lima-Fernandes, Eva; Fernandes, Isabel;
Pereira, Ana; Geraldine, 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

Location: Sala 1

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, Maaik; 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 MEDATE THE IMPACT OF WILDFIRE ON FISH IN UPLAND PORTUGUESE STREAMS

12:15 Perga, Marie Elodie; Jacob, Jérémy; Jenny, Jean-Philippe; Pignol, Cécile; Arnaud, Fabien
SS5-11

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; Bullesjos, 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 HYPORHEIC 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

P01

Becker, Vanessa; Bezerra, Anderson; Torres, Laíssa;
Rosa, Roberto; Amorim, Aline; Mattos, Arthur
DIEL VARIATION OF PHYTOPLANKTON FUNCTIONAL
GROUPS AND FOOD WEB INTERACTION IN A
TROPICAL RESERVOIR IN THE SEMI-ARID REGION

P02

Cobo, Fernando; Vieira-Lanero, Rufino; Servia, María
J.; Barca-Bravo, Sandra; Couto-Mendoza, María
T.; Lago-Mejide, Lorena; Nachón, David; Sánchez-
Hernández, Javier; Silva-Bautista, Sergio
THE EUROPEAN EEL (ANGUILLA ANGUILLA)
POPULATIONS IN THE SPANISH TRIBUTARIES OF THE
RIVER MIÑO (NW SPAIN).

P03

Corado, Maria Margarida; Machado, Ana Luísa;
Monaghan, Kieran A.; MVM Soares, Amadeu
THE SPATIO-TEMPORAL VARIABILITY OF
MACROINVERTEBRATE COMMUNITIES IN UPLAND
PORTUGUESE STREAMS

P04

Czarnecka, Magdalena; Kobak, Jaroslaw; Poznańska,
Malgorzata; Kakareko, Tomasz; Koszalka, Jacek
IMPACT OF DEPLOYMENT DATE, SAMPLING DATE AND
EXPOSURE TIME ON THE SUCCESSION OF EPIFAUNA
ON ARTIFICIAL SUBSTRATA IN A TEMPERATE DAM
RESERVOIR

P05

Dimante-Deimantovica, Inta; Bardacenko, Vladimirs;
Skute, Arturs; Skute, Renate

PATTERN OF DVM (DIEL VERTICAL MIGRATIONS) OF ZOOPLANKTON IN THE LATVIAN LAKES WITH AN EXAMPLE OF TWO LAKES FROM THE SOUTH EASTERN PART OF THE COUNTRY

P06

Laini, Alex; Guareschi, Simone; Famea, Elisa; Bartoli, Marco

HYDROMORPHOLOGICAL CONSTRAINTS ON MACROINVERTEBRATE COMMUNITIES STRUCTURE ALONG A LOWLAND REGULATED RIVER (OGLIO RIVER, NORTHERN ITALY)

P07

Leichtfried, Maria; M`Erimba, Charles M.

BENTHIC FAUNA IN RELATION TO ANTHROPOGENIC DISTURBANCE OF TWO TROPICAL LOW ORDER STREAMS IN KENYA

P08

Moschini-Carlos, Viviane; Nishimura, Paula Yuri; Pompêo, Marcelo

ENVIRONMENTAL FACTORS INFLUENCE PHYTOPLANKTON FUNCTIONAL GROUPS IN TWO RESERVOIRS LINKED BRAZILIAN

P09

Novikmec, Milan; Svitok, Marek; Koëický, Dušan; Bitušík, Peter

BENTHIC COMMUNITIES OF TATRA MOUNTAIN LAKES: SINGLE OR MULTIPLE TEMPERATURE GRADIENTS?

P10

Olmo, Carla; Ortells, Raquel; Romo, Susana; Martínez, Naarah; Calvo, Sara; Flor, José; Ciria, María; Armengol, Xavier

HATCHING PATTERNS OF ZOOPLANKTON IN A RESTORED POND: AN EX SITU EXPERIMENT

P11

Pompêo, Marcelo; Hitara, Rafael Taminato; Macedo, Celia Lira de; Rodrigues, Maria Estefânia Fernandes
LIGHT AND LITTORAL SLOPE ARE EXPLANATIONS FOR THE ABUNDANCE AND ZONATION OF EGERIA Densa (HYDROCHARITACEAE) IN A EUTROPHIC URBAN RESERVOIR? (SÃO PAULO STATE, BRAZIL)

P12

Radu, Emilia; Risnoveanu, Geta

PRELIMINARY RESULTS ON THE DISTRIBUTION AND COMPOSITION OF WEED-BED FAUNA IN REPRESENTATIVE AQUATIC ECOSYSTEMS IN THE SMALL ISLAND OF BRAILA

P13

Sanchez, Marta I; Georgiev, B.; Nikolov, P.; Vasileva, G.; Lenormand, T.; Rode, N.O.; Flaven, E.; Varo, N.; Amat, J.A.; Matesanz, C.; Díaz-Real, J.; Green, A.J

THE ROLE OF PARASITES IN THE INVASION SUCCESS OF THE EXOTIC BRINE SHRIMP ARTEMIA FRANCISCANA IN THE MEDITERRANEAN REGION

P14

Schmera, Denes; Eros, Tibor

EFFECT OF SAMPLING EFFORT, TAXONOMICAL RESOLUTION AND ABUNDANCE WEIGHT ON THE REPRESENTATIVENESS AND SEPARATION OF ECOLOGICAL ASSEMBLAGES

P15

Svitok, Marek; Hrivnák, Richard; Helena O'faheľová, Helena; Dúbravková, Daniela; Paľove-Balang, Peter;

Slobodník, Vladimír

PLANT COMMUNITIES OF CREATED WETLANDS IN CENTRAL EUROPE: DIVERSITY AND SPECIES COMPOSITION AT LOCAL AND REGIONAL LEVEL

P16

Vieira-Lanero, Rufino; Silva-Bautista, Sergio; Servia, María J.; Barca-Bravo, Sandra; Couto-Mendoza, María T.; Morquecho, Carlos; Rivas-Rodríguez, Sheila; Sánchez-Hernández, Javier; Cobo, Fernando
LIFE HISTORY TRAITS OF ADULT SEA LAMPREY (PETROMYZON MARINUS L.) IN THE ULLA RIVER (NW SPAIN) DURING THE SPAWNING MIGRATION.

O3 Environmental Management

Chair: Young, Roger and Murphy, John

P17

Akbulut, Nuray; Akbulut, Aydýn; Atasagun, Sibel; Arslan, Naime

THE EVALUATION OF THE WATER QUALITY AND TRACE METAL CONCENTRATION THROUGH THE KIZILIRMAK RIVER OF TURKEY

P18

Almeida, Salomé; Elias, Carmen; Tornés, Elisabet; Puccinelli, Camilla; Mancini, Laura; Delmas, François; Dörflinger, Gerald; Urbanic, Gorazd; Ferreira, João; Rosebery, Juliette; Sabater, Sergi

DIATOM BIOTOPOLOGY OF THE MEDITERRANEAN REGION

P19

Álvarez Blanco, Irene; Blanco Lanza, Saúl; Cejudo Figueiras, Cristina; Becares Mantecón, Eloy
THE Duero Diatom Index (DDI) for river water quality assessment in NW Spain: design and validation

P20

Bonnineau, Chloé; Bonet, Berta; Guasch, Helena
ANTIOXIDANT ENZYMES AS BIOMARKERS OF OXIDATIVE STRESS IN FRESHWATER BIOFILMS

P21

Cardoso Da Silva, Sheila; Lage, Fernanda; Yuri Nishimura, Paula; Loures de Godoy, Evelyn; Luis Martins Pompêo, Marcelo

BIOAVAILABILITY OF COPPER IN A RESERVOIR WITH COPPER SULPHATE ALGAECIDES APPLICATION

P22

Cejudo Figueiras, Cristina; Álvarez Blanco, Irene; Becares, Eloy; Blanco, Saúl
EPIPHYTIC DIATOMS ALONG ENVIRONMENTAL GRADIENTS IN EUROPEAN SHALLOW LAKES.

P24

Devesa-Rey, Rosa; Leira, Manel; López-Rodríguez, María del Carmen; Barral, María Teresa
GROWTH OF AUTOTROPHIC BIOFILMS IN RIVER BED SEDIMENTS AT A MICROCOSMS SCALE

P25

García-Muñoz, Enrique; Guerrero, Francisco J; Parra, Gema
SURVIVAL AND LENGTH EFFECTS OF AGROCHEMICAL BINARY MIXTURES ON BUFO BUFO LARVAE

P26

Gómez-Sande, Pablo; Servia, María J.; Vieira-Lanero, Rufino; Barca-Bravo, Sandra; Couto-Mendoza, María

T.; Lago-Meijide, Lorena; Morquecho, Carlos; Rivas-Rodríguez, Sheila; Cobo, Fernando
 ONTOGENIC SHIFTS IN RNA:DNA RATIO IN FOURTH INSTAR LARVAE OF PRODIAMESA OLIVACEA (DIPTERA, CHIRONOMIDAE): IMPLICATIONS FOR ECOTOXICOLOGICAL ASSESSMENT.

P27

De Los Ríos, Jesús; Conde-Álvarez, Rafael M.; Rodríguez Pérez, María Dolores; Flores Videla, Pauli; Figueroa, Félix L
 MAPPING OF BIOMASS DISTRIBUTION OF THE SUBMERGED MACROPHYTE INHABIT IN THE BRACKISH SHALLOW LAKE "LAGUNA SALADA": SELECTION OF SAMPLING POINTS FOR LONG TIME MONITORING ACCORDING TO THE EUROPEAN WATER FRAMEWORK DIRECTIVE

P28

Karaouzas, Ioannis; Skoulikidis, Nikolaos
 INFLUENCE OF HYDROLOGIC VARIATION TO THE ECOLOGICAL STATUS OF MEDITERRANEAN STREAMS RECEIVING ORGANIC WASTEWATERS

P29

Konvièková, Veronika; Rùžičková, Sylvie; Uher, Bohuslav; Helešic, Jan
 RESPONSES OF PERIPHYTON AND BENTHIC MACROINVERTEBRATES TO THERMAL POLLUTION IN THE NEDVEDICKA RIVER

P30

Langhans, Simone; Reichert, Peter; Lienert, Judit; Schuwirth, Nele
 DECISION ANALYSIS MEETS RIVER MANAGEMENT: A NEW APPROACH TO ECOLOGICAL RIVER ASSESSMENT

P31

Marcel, Remy; Bouchez, Agnès; Rimet, Frédéric
 USING DIATOM TAXONOMIC DIVERSITY TO ASSESS PESTICIDE CONTAMINATION IN RIVERS

P32

Méndez Fernández, Leire; Martínez Madrid, Maite; Rodríguez, Pilar
 CADMIUM TOXICITY IN SPIKED-SEDIMENT WITH THE AQUATIC OLIGOCALHETE TUBIFEX TUBIFEX: AN APPROACH TO ASSES CRITICAL BODY RESIDUE

P33

Miguel Chinchilla, Leticia; Navarro Rodríguez, Enrique; Comín Sebastián, Francisco
 HEAVY METALS IN AQUATIC ECOSYSTEMS LOCATED IN RESTORED OPEN COAL MINES

P34

Molina-Navarro, Eugenio; Martínez-Pérez, Silvia; Sastre-Merlín, Antonio; Verdugo-Althöfer, María; Padisák, Judit
 PHYTOPLANKTON DYNAMICS BASED ON FUNCTIONAL GROUPS AND ECOLOGICAL STATUS ASSESSMENT ACCORDING TO WATER FRAMEWORK DIRECTIVE IN A MEDITERRANEAN LIMNO-RESERVOIR.

P35

Monteagudo, Laura; Moreno, Jose Luis
 LAND USE AND RIVER EUTROPHICATION: INFLUENCE OF SPATIAL SCALE

P36

Núñez, Gemma; Fernández, Camino; Fernández, Margarita

A TIPOLOGY OF SOME IBERIAN MOUNTAIN LAKES USING THE MACROPHYTE COMMUNITY COMPOSITION

P37

Palmik, Kadi; Mäemets, Helle; Haldna, Marina
 IMPACT OF WATER LEVEL FLUCTUATIONS ON MACROPHYTES IN LAKE PEIPSI

P38

Perrée, Isabelle; Grantham, Ted; Prat, Narcís; Maria, Rieradevall; Miguel, Cañedo-Argüelles
 STREAM MACROINVERTEBRATE COMMUNITY RESPONSE TO TREATED WASTEWATER IN A MESOCOSM EXPERIMENT

P39

Pino Otin, María Rosa; Español Latorre, Cecilia
 WATER QUALITY ASSESSMENT IN THE EBRO BASIN (2000-2010) AS A BASIS TO EVALUATE THE IMPACT OF THE DEPURATION AND CLEANING PLAN (PASD) OF THE ARAGON GOVERNMENT

P40

Ponsatí, Lidia; Mira, Petrovic; Damià, Barceló; Marta, Ricart; Anna, Freixa; Anna, Romani; Helena, Guasch; Sergi, Sabater
 BIOFILM STRUCTURE AND FUNCTIONING AS FUNCTION OF POLLUTION GRADIENTS IN MEDITERRANEAN WATERSHEDS.

P41

Ranjan, Jayant; Sham, Shiva; Cerasino, Leonardo; Salmaso, Nico
 ECOLOGICAL CHANGES OF CENTRAL EUROPEAN LAKES WITHIN THE EU PROJECT EULAKES: NUISANCE CYANOBACTERIA AND IMPACT ON THE AQUATIC ECOSYSTEMS

P42

Sánchez Ramos, David; Sánchez Emeterio, Gema; García Fernández, Beatriz; Florín Beltrán, Máximo
 WASTEWATER REUSE IN LAS TABLAS DE DAIMIEL NATIONAL PARK BY IMPROVING ITS QUALITY THROUGH CONSTRUCTED WETLANDS

P43

Shams, Shiva; Cerasino, Leonardo; Ranjan, Jayant; Salmaso, Nico
 CYANOTOXINS AND THEIR IMPACT ON WATER QUALITY IN CENTRAL EUROPE LAKES

P44

Whatley, Merrin; Alvarez-Codesal, Soraya; van der Geest, Harm; Admiraal, Wim
 HABITAT STRUCTURE AND FOOD QUALITY AS DRIVERS OF AQUATIC BENTHIC INVERTEBRATE DIVERSITY IN DEGRADED PEATLANDS

P45

Zakowski, Tania; Arnekleiv, Jo Vegar; Kjærstad, Gaute; Petrin, Zlatko
 THE EFFECT OF HYDROPEAKING ON BENTHIC MACROINVERTEBRATES.

O6 Microbial Ecology

Chair: Felip, Marisol

P46

Ballen-Segura, Miguel Angel; Felip, Marisol; Catalan, Jordi
 SINGLE CELL ANALYSIS OF PHAGOTROPHY IN

MIXOTROPHIC PROTISTS: PROS AND CONS OF ALTERNATIVE METHODS

P47

Bañares-España, Elena; Kromkamp, Jacco; López-Rodas, Victoria; Costas, Eduardo; Flores-Moya, Antonio

SHORT-TERM PHOTOSYNTHETIC ACCLIMATION OF THE CYANOBACTERIUM MICROCYSTIS AERUGINOSA TO IRRADIANCE AND TEMPERATURE: ECOLOGICAL IMPLICATIONS

P48

Barros, Diana; Oliveira, Patrícia; Pascoal, Cláudia; Cássio, Fernanda

EFFECTS OF ETHANOL AND PHENANTHRENE ON LITTER DECOMPOSITION BY AQUATIC FUNGAL ASSEMBLAGES

P49

Branco, Diana; Lima, Ana; Guasch, Helena; Santos, José; Almeida, Salomé; Figueira, Etelvina

EFFICIENCY OF THE PHYTOCHELATIN METAL COMPLEXATION IN NITZSCHIA PALEA (KÜTZING) W. SMITH TOLERANCE TO CADMIUM

P50

Caraballo López, Tatiana; Catalán Aguilà, Jordi
COLONIALITY VS. UNICELLULARITY IN PHYTOPLANKTON: AN ANALYSIS OF THE FUNCTIONAL TRADES-OFFS

P51

Charpin, Marie; Lejeune, Anne Helene; Bardot, Corinne; Jardillier, Ludwig; Sargos, Denis; Sabido, Odile; Debroas, Didier; Amblard, Christian
GENETIC DIVERSITY OF EUKARYOTIC ULTRAPHYTOPLANKTON IN THE OLIGO-MESOTROPHIC LAKE PAVIN DURING THERMAL STRATIFICATION ONSET

P52

Duarte, Sofia; Fernandes, Isabel; Nogueira, Maria João; Pinheiro, André; Cássio, Fernanda; Pascoal, Cláudia
TEMPERATURE CHANGES INTERSPECIFIC RELATIONSHIPS AMONG AQUATIC HYPHOMYCETES

P53

Durán Romero, Cristina; Herrera, Guillermo; Medina-Sánchez, Juan Manuel; Rosillo, Silvia; Villar-Argaiz, Manuel; Carrillo, Presentación
MULTIPLE GLOBAL CHANGE STRESSORS (UV RADIATION, NUTRIENTS AND TEMPERATURE) ENHANCE BACTERIOPLANKTON ACTIVITY IN A MEDITERRANEAN LAGOON (LA CONCEJA, RUJDERA NATURAL PARK)

P54

Freixa Casals, Anna; Romaní Cornet, Anna M.; Ponsatí, Lydia; Sabater, Sergi
FUNCTIONAL BACTERIAL DIVERSITY IN THE EIPSAMMIC BIOFILM AT THE LLOBREGAT RIVER

P56

Goldenberg Vilar, Alejandra; Bichebois, Simon; van der Geest, Harm G.; Admiraal, Wim
EFFECTS OF PARTICLE TRAPPING ON THE DEVELOPMENT OF PHOTOTROPHIC BIOFILMS

P57

De Vicente, Inmaculada; Garcia-Jurado, Fatima;

Cortes, Alicia; Guerrero, Francisco; Cruz, Francisco; Jimenez-Gomez, Francisco

IMPACT OF ATMOSPHERIC DEPOSITION ON THE PHYTOPLANKTON SIZE STRUCTURE IN A MESOTROPHIC MEDITERRANEAN RESERVOIR

P58

Landeira Dabarca, Andrea; Álvarez Jiménez, Maruxa; Sieiro Vázquez, Carmen;

DO MUCUS-DWELLING MICROBIOTA REFLECT WHAT FISH EAT? AN OBSERVATIONAL AND EXPERIMENTAL APPROACH WITH ATLANTIC SALMON

P60

Albay, Meriç; Kimiran Erdem, Ayten; Gürevin, Cenk; Köker, Latife; Oğuz, Bapak; Gürün, Sevan; Akçaalan Albay1, Reyhan

ENVIRONMENTAL PARAMETERS INFLUENCE THE HARMFUL ALGAL BLOOM AND BACTERIAL ABUNDANCE IN KÜÇÜKÇEKMECE LAGOON, İSTANBUL, TÜRKİYE

P61

Šedivá, Alena; Kohout, Jan

AS-PCR AND PCR-RFLP AS POTENTIAL METHODS FOR MOLECULAR IDENTIFICATION OF AQUATIC ORGANISMS

P62

Sidrach-Cardona, Ricardo; Balcazar, Jose Luis; Bécares, Eloy

THE EFFECT OF INDUSTRIAL AND DOMESTIC EFFLUENTS ON BACTERIAL ANTIBIOTIC RESISTANCE IN A RIVER

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

P63

Baumgartner, Simone; Robinson, Christopher T.
MORPHOLOGY OR WATER CHEMISTRY - ASSESSING THE DETERMINANTS OF MACROINVERTEBRATE COLONIZATION OF NEWLY RESTORED RIVERS

P64

Buendía Forés, Cristina; Gibbins, Chris N.; Vericat, Damià; Batalla, Ramon J.
FINE SEDIMENT INFLUENCES ON BENTHIC INVERTEBRATE ASSEMBLAGES AT MULTIPLE SPATIAL SCALES

P65

Fernández, Diego; Barquín, José; Álvarez-Cabria, Mario; Peñas, Francisco J.; Juanes, José A.; Ondiviela, Bárbara; Recio, María; Fernández, Felipe
LONGITUDINAL PATTERNS IN RIPARIAN HABITAT COMPOSITION IN RIVERS FROM THE CANTABRIAN REGION, NORTHERN SPAIN

P66

Medina Villar, Silvia; Langa Morales, María; Alonso, Álvaro; Castro-Díez, Pilar
ASSESSING THE IMPACT OF EXOTIC TREES LEAF LITTER ON THE MACROINVERTEBRATE COMMUNITY FROM AN UPPER REACH OF HENARES RIVER (GUADALAJARA, SPAIN)

P67

Olivier, Jean-Michel; Lamouroux, Nicolas; Castella, Emmanuel; Méricoux, Sylvie; Piégay, Hervé; Forcellini, Maxence; Fruget, Jean-François; Paillex,

Amael; Riquier, Jérémie; Sagnes, Pierre; Segura, Samuel
ASSESSMENT OF THE RHÔNE RIVER RESTORATION (FRANCE). METHODOLOGICAL APPROACH AND FIRST RESULTS.

P68

Romero, Clara; Serra, Alexandra; Martí, Eugènia; Puig, María Ángeles
INFLUENCE OF RIPARIAN CANOPY COVER ON STREAM WATER TEMPERATURE AND BENTHIC MACROINVERTEBRATE COMMUNITIES

SS6 Ecology of freshwater fish: effects of streamflow and hydrological alteration**P69**

Ayllón, Daniel; Almodóvar, Ana; Nicola, G. Graciela; Elvira, Benigno
EFFECTS OF FLOW REGIME ON STREAM CARRYING CAPACITY AND CONSERVATION STATUS OF BROWN TROUT POPULATIONS

P70

Barca Bravo, Sandra; Nachón, David; Vieira Lanero, Rufino; Servia, María J.; Couto Mendoza, María Teresa; Gómez Sande, Pablo; Rivas Rodríguez, Sheila; Silva Bautista, Sergio; Cobo, Fernando
MICROCHEMISTRY OF OTOLITHS: A NON MORPHOLOGICAL TRAIT FOR THE ANALYSIS OF FLUCTUATING ASYMMETRY IN TWAITE SHAD (ALOSA FALLAX)

P71

Couto-Mendoza, María T.; Vieira-Lanero, Rufino; Servia, María J.; Barca-Bravo, Sandra; Gómez-Sande, Pablo; Morquecho, Carlos; Nachón, David; Sánchez-Hernández, Javier; Cobo, Fernando
NEW DATA ON THE POPULATION OF THE ENDEMIC SPECIES ACHONDROSTOMA ARCASII (PISCES, CYPRINIDAE) IN THE RIVER MIÑO BASIN (NW SPAIN)

P72

Díez Del Molino, David; Araguas, Rosa M.; Sanz, Nuria; Vidal, Oriol; García Marín, Jose Luis
COLONIZATION PATTERNS OF THE NORTHEASTERN SPANISH WATERSHEDS FOR THE INVASIVE MOSQUITOFISH (G.HOLBROOKI)

P73

Nachón García, David José; Vieira-Lanero, Rufino; Servia, María J.; Barca-Bravo, Sandra; Gómez-Sande, Pablo; Lago-Meijide, Lorena; Sánchez-Hernández, Javier; Silva-Bautista, Sergio; Cobo, Fernando
NEW DATA ON THE MORPHOLOGY AND BIOLOGY OF AN IBERIAN POPULATION OF TWAITE SHAD ALOSA FALLAX (RIVER ULLA, NW SPAIN)

P74

Nasplada, Joan; Vila-Gispert, Anna; Fox, Michael; Zamora, Lluís; Ruiz-Navarro, Ana
INTERPOPULATION DIFFERENTIATION OF THE EXTERNAL AND INTERNAL MORPHOLOGY OF NON-NATIVE PUMPKINSEED IN THE IBERIAN PENINSULA: LOTIC VS LENTIC POPULATIONS

P75

Olaya Marín, Esther Julia; Martínez-Capel, Francisco; Muñoz Mas, Rafael; Alcaraz-Hernández, Juan Diego; Soares Costa, Rui; Garófano-Gómez, Virginia

SENSITIVITY OF NATIVE FISH RICHNESS TO ENVIRONMENTAL VARIABLES IN THREE MEDITERRANEAN STREAMS USING ARTIFICIAL NEURAL NETWORKS

P76

Pou-Rovira, Quim; Campos, Miquel; Feo, Carles; Moreno-Amich, Ramon
DEMOGRAPHIC ECOLOGY OF LARGEMOUTH BASS (MICROPTERUS SALMOIDES) IN LAKE BANYOLES.

P77

Sánchez-Hernández, Javier; Vieira-Lanero, Rufino; Servia, María J.; Barca-Bravo, Sandra; Gómez-Sande, Pablo; Lago-Meijide, Lorena; Morquecho, Carlos; Silva-Bautista, Sergio; Cobo, Fernando
VARIABILITY IN FORAGING BEHAVIOUR OF BROWN TROUT IN ATLANTIC STREAMS: FOOD AVAILABILITY OR DENSITY DEPENDENCE?

P78

Sanz, Nuria; Araguas, Rosa M.; Vidal, Oriol; Pla, Carles
IDENTIFYING MANAGEMENT AND CONSERVATION UNITS IN THE ENDANGERED IBERIAN THREE-SPINED STICKLEBACK (GASTEROSTEUS ACULEATUS)

P79

Silva-Bautista, Sergio; Vieira-Lanero, Rufino; Servia, María J.; Barca-Bravo, Sandra; Lago-Meijide, Lorena; Nachón, David; Rivas-Rodríguez, Sheila; Sánchez-Hernández, Javier; Cobo, Fernando
BIOMETRIC CHANGES FROM AMMOCOETE TO POSTMETAMORPHIC STAGE OF THE SEA LAMPREY (PETROMYZON MARINUS L.) IN THE ULLA RIVER (NW SPAIN)

P81

Vardakas, Leonidas; Yorgos, Chatzinikolaou; Stamatis, Zogaris; Nicholas, Koutsikos; Nikolaos, Skoulidakis; Karaouzas, Ioannis; Economou, Elena; Economou, Alcibiades
FISH ASSEMBLAGES TRIENNIAL RESPONSE TO A SEVERE HYDROLOGICAL STRESS ON A MEDITERRANEAN RIVER (EVROTAS)

P82

Martínez Morales, Inmaculada; Verdiell Cubedo, David; Oliva-Paterna, Francisco J.; Castejón Bueno, Diego; González Silvera, Daniel; Ruiz Navarro, Ana; López -Jiménez, José A.; Martínez-López, Francisco J.; Torralva Forero, Mar
EFFECTS OF HYDROLOGICAL ALTERATION AND RIPARIAN HABITAT QUALITY IN CONDITION OF LUCIOBARBUS SCLATERI (GÜNTHER) FROM A SEMIARID RIVER BASIN (SE, IBERIAN PENINSULA)

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

Amore, Valentina; Fochetti, Romolo; Ubero-Pascal, Nicolás; Puig, Maria Angeles
HEMOCYANIN GENE EXPRESSION IN STONEFLIES UNDER DISSOLVED OXYGEN DEFICITS IN STREAM ECOSYSTEMS.

P84

Bernabò, Paola; Viero, Gabriella; Jousson, Olivier; Lencioni, Valeria
GLOBAL WARMING AND COLD STENOTHERMAL

ORGANISMS: THE HSP70 HEAT SHOCK RESPONSE OF DIAMESA CINERELLA (DIPTERA, CHIRONOMIDAE) FROM ALPINE STREAMS.

P85

Ciampor, Fedor; Ciamporova Zatovicova, Zuzana
POPULATION GENETIC STRUCTURE OF AQUATIC INSECTS IN STREAMS DIVIDED BY WATER RESERVOIR

P86

Ciamporova Zatovicova, Zuzana; Ciampor, Fedor
GENETIC STRUCTURE OF DIVING BEETLE POPULATIONS IN HIGH TATRA MTS

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

P87

Dražina, Tvrtko; Špoljar, Maria; Primc-Habdija, Biserka; Habdija, Ivan
SMALL SCALE PATTERNS OF MEIOFAUNA IN BRYOPHYTES

P88

Gaudes, Ainhoa; Muñoz, Isabel
CONTRIBUTION OF MEIOFAUNA TO LOTIC FUNCTIONAL PROCESSES

Mehner, Thomas; Phlmann, Kirsten; Elkin, Che; Monaghan, Michael T.; Nitz, Barbara; Freyhof, Jörg.
GENETIC POPULATION STRUCTURE OF SYMPATRIC AND ALLOPATRIC POPULATIONS OF BALTIC CISCOES (COREGONUS ALBULA COMPLEX, TELEOSTEI, COREGONIDAE)

Thursday 30 June 2011

Room	Sala Simfónica	Sala Petita	Sala d'Assaig	Sala 1	Hall I	Halls (Simf + Cambra + Petita)	
	Ground floor	Ground floor	First floor	Second floor	Ground floor	Ground floor	
08:30 - 09:15	G. Pinay Plenary						
09:15 - 09:30	SS10. Gessner	SS13. Doledec	SS15. Akbulut	O8. Cañedo	R e g i s t r a t i o n	Exhibits and posters	
09:30 - 09:45	SS10. Bruder	SS13. Gallardo	SS15. Altuna	O8. Domisch			
09:45 - 10:00	SS10. Frainer	SS13. Pace	SS15. Cattaneo	O8. Tibor			
10:00 - 10:15	SS10. McKie	SS13. Skoulikidis	SS15. Cortes	O8. Martínez			
10:15 - 10:30	SS10. Chauvet	SS13. Lalande	SS15. Gevrey	O8. Haggerti			
10:30 - 11:00	Morning Break						
11:00 - 11:15	SS10. Perkins	SS13. Comte	SS15. Hoyer	SS11. Sponseller			
11:15 - 11:30	SS10. Boyero	SS13. Marce	SS15. Kolada	SS11. Graeber			
11:30 - 11:45	SS10. Richardson	SS13. Stendera	SS15. Marzin	SS11. Brookshire			
11:45 - 12:00	SS10. Lecerf	SS13. Gosselin	SS15. Soszka	SS11. Aguilera			
12:00 - 12:15	SS10. Lepori	SS13. Bougon	SS15. Pahissa	SS11. Bernal	Exhibits and posters	Exhibits and posters	
12:15 - 12:30	SS10. Graça	SS13. Jaehmig	SS15. Phillips	SS11. Martí			
12:30 - 12:45	SS10. Prat	SS13. Svanhalova	SS15. Pilotto	SS11. Gomez			
12:45 - 13:00	SS10. Herrmann	SS13. Polkane	SS15. Polkane	SS11. Thomas			
13:00 - 14:30	Lunch						
14:30 - 15:15	K. Fausch Plenary						
15:15 - 15:30	SS10. Zhang	SS13. Puig	SS15. Prats	SS11. Blesa			
15:30 - 15:45	SS10. Johnson	SS13. Tornos	SS15. Pujante	SS11. Pusch			
15:45 - 16:00	SS10. Bonada	SS13. Filipe	SS15. Rigosi	SS11. Grimm			
16:00 - 16:30	Afternoon Break						
16:30 - 16:45	SS10. Greenberg	SS13. Montuelle	SS15. Rovira	O10. Kainz			
16:45 - 17:00	SS10. Jonsson	SS13. Floury	SS15. Serra	O10. Hette			
17:00 - 17:15	SS10. Fausch	SS13. Argerich	SS15. Winfield	O10. Larsen			
17:15 - 17:30	SS10. Muotka	SS13. Buchaca	SS15. Brucet	O10. Martino			
17:30 - 17:45	SS10. Wotton	SS13. Lopez-Roldan	SS15. Lopez-Roldan	O10. Rodriguez-Lozano			
17:45 - 18:00	SS10. Hildrew	O10. Jones					
18:00 - 18:15							
18:15 - 18:30							
18:30 - 18:45							
18:45 - 19:00							
19:00 - 19:15							
19:15 - 19:30							
19:30 - 19:45							
19:45 - 20:00							

Young & JAIL

BIOFRESH

Poster session O2, O4, O5, O7, O8, O9, O10, SS1, SS2, SS4, SS5, SS7, SS10, SS11, SS13, SS14, SS15
Poster removal

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, Alfred 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

THURSDAY, 30 JUNE 2011

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
SS15-6

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
SS15-15

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

O8 Novel techniques in freshwater ecology

Location: Sala 1

Chair: Planas, D.

09:15 Cañedo-Argüelles, Miguel; Perrée, Isabelle;
O8-1 Grantham, Ted; Rieradevall, Maria; Prat, Narcís
RESPONSE OF STREAM MACROINVERTEBRATES TO SALINIZATION: A MESOCOSM APPROACH

09:30 Domisch, Sami; Jaehnig, Sonja; Haase, Peter
O8-2 SPECIES DISTRIBUTION MODELLING OF STREAM INVERTEBRATES UNDER CLIMATE CHANGE SCENARIOS

09:45 Tibor, Erös; Schmera, Dénes; Schick, Rob
O8-3 NETWORK THINKING IN RIVERSCAPE CONSERVATION – A GRAPH-BASED APPROACH

10:00 Martínez López, Javier; Carreño Fructuoso,
O8-4 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 O8-5

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

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

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
TEMPORAL VARIABILITY OF IN-STREAM NET UPTAKE: IMPLICATIONS FOR INORGANIC NITROGEN EXPORT FROM CATCHMENTS.

12:15 Martí, Eugènia; von Schiller, Daniel; Bernal,
SS11-6 Susana; Ribot, Miquel; Sabater, Francesc
PATTERNS OF TEMPORAL VARIATION IN NET AND GROSS IN-STREAM NUTRIENT UPTAKE

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,
SS11-8 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;
SS11-9 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,
SS11-10 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,
SS11-11 Laura; Earl, Stevan; Childers, Dan
STORMWATER NUTRIENTS IN URBAN
CATCHMENTS: ARE DESIGNED ECOSYSTEMS
EFFICIENT IN NUTRIENT RETENTION?

O10 Trophic webs

Location: Sala 1

Chair: Woodward, G.

16:30 Kainz, Martin; Heissenberger, Martin;
O10-1 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,
O10-2 Didier; Roussel, Jean-Marc; Oberdorff,
Thierry; Belliard, Jérôme
INFLUENCE OF TEMPERATURE ON FOOD
WEBS IN TEMPERATE STREAMS: A STABLE
ISOTOPE STUDY

17:00 Larsen, Thomas; Ventura, Marc; Andersen,
O10-3 Nils; Catalan, Jordi; O'Brien, Diane
STABLE ISOTOPE FINGERPRINTING OF
AMINO ACIDS IN AQUATIC ECOSYSTEMS

17:15 Martino, Aurelia; Syväranta, Jari; Cucherousset,
O10-4 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;
O10-5 Rieradevall, Maria; Prat, Narcís

STRONG TOP-DOWN EFFECTS OF BARBUS
MERIDIONALIS IN A MEDITERRANEAN
STREAM

17:45 Jones, Iwan; Lauridsen, Rasmus; Edwards,
O10-6 Francois; Montoya, Jose; Ibbotson, Anton;
Woodward, Guy; Hildrew, Alan
LARGE SCALE MANIPULATIONS OF A
QUANTIFIED FOOD WEB

POSTER SESSION

O2 Biological and Ecosystem Conservation

Chair: Ordeix, Marc

P89

Babanazarova, Olga; Sidelev, Sergey; Shisheleva, Svetlana
WINTER PHYTOPLANKTON IN HYPERTROPHIC LAKE
NERO WITH "PLANKTOTHRICTHETUM" TYPE OF
COMMUNITY FROM EARLY SUMMER TO LATE AUTUMN
(LAKE NERO, RUSSIA)

P90

Costa, Maria; Saro, Liliana; Monaghan, Kieran;
Monteiro, Marta; Amadeu, Soares
A COMPARATIVE STUDY OF THE EFFECTS OF
EUCALYPT, PINE AND BROADLEAF FORESTS ON
THE FISH COMMUNITIES OF PORTUGUESE UPLAND
STREAMS

P91

Gilbert Rus, Juan Diego; de Vicente, Inmaculada;
Parra, Gema; Guerrero, Francisco
BIOGEOGRAPHIC TOOLS FOR PROPOSING
CONSERVATION AREAS FOR ZOOPLANKTON
DIVERSITY: THE CASE OF THE ALTO GUADALQUIVIR
REGION

P92

Köngäs, Petrina; Niemistö, Juha; Horppila, Jukka;
Salonen, Kalevi
EFFECTS OF AERATION ON LAKE'S THERMAL
STRATIFICATION AND STABILITY IN CHANGING
ENVIRONMENTAL CONDITIONS

P94

Pascual Toca, Marta; Esteban Simón-Talero, César;
Cotallo de Cáceres, Miguel Ángel; Moreno Rendón,
Paloma; Pula Moreno, Héctor Julián; Valverde, Lucia
STUDY OF BARRIERS AND SPAWNING AREAS FOR
REOPHILOUS SPECIES FROM RESERVOIRS IN
EXTREMADURA REGION (SOUTHWESTERN SPAIN)

P95

Saro, Liliana; Costa, Maria; Medeiros, Joana;
Monteiro, Marta; Monaghan, Kieran; Soares, Amadeu
A COMPARATIVE STUDY OF THE EFFECTS OF
EUCALYPT, PINE AND BROADLEAF FORESTS ON
AMPHIBIAN COMMUNITIES ASSOCIATED WITH
PORTUGUESE UPLAND STREAMS

P96

Servia, Maria J.; Vieira-Lanero, Rufino; Barca-Bravo,
Sandra; Couto-Mendoza, María T.; Morquecho, Carlos;
Rivas-Rodríguez, Sheila; Sánchez-Hernández, Javier;
Silva-Bautista, Sergio; Cobo, Fernando
TRANSLOCATED SPECIES IN THE RIVER MIÑO:
PRESENT STATUS OF GOBIO LOZANOI AND COBITIS
PALUDICA (PISCES) IN THE SPANISH TRIBUTARIES
OF THE BOUNDARY SECTION WITH PORTUGAL

P97

Toja, Julia; León, David; Peñalver, Patricio; Casas, Jesús; Gallego, Irene; Juan, Melchor; Fuentes-Rodriguez, Francisca; Pérez, Carmen; Sánchez, Pedro
FARM PONDS IN ANDALUSIA (SOUTH OF SPAIN): OPPORTUNITIES FOR SPECIES, LANDSCAPE AND PEOPLE

P98

Zapata, Angela; Rivera Rondón, Carlos A.
ASSESSMENT OF ALTERNATIVES FOR CONTROLLING CYANOBACTERIAL BLOOMS IN A TROPICAL URBAN WETLAND

O4 Physiological Ecology

Chair: Larsen, Thomas

P99

Conde-Álvarez, Rafael M.; Bañares España, Elena; Nieto-Caldera, José María; Flores-Moya, Antonio; Figueroa, Félix L.
PHOTOSYNTHETIC PLASTICITY OF MACROPHYTES GROWING IN SHALLOW LAKE OF FUENTE DE PIEDRA TO ACCLIMATE TO INCREASING IRRADIANCE DURING AN ANNUAL CYCLE

P100

Fabón Anchelergues, Gabriel; Monforte, Laura; Tomás, Rafael; Núñez-Olivera, Encarnación; Martínez-Abaigar, Javier
QUICK PHYSIOLOGICAL CHANGES IN RESPONSE TO RADIATION CONDITIONS AND UV-B ENHANCEMENT IN AN AQUATIC LIVERWORT

P101

Kobak, Jaroslaw; Poznanska, Malgorzata
PONTO-CASPIAN GAMMARIDS INDUCE BEHAVIOURAL CHANGES IN ZEBRA MUSSEL DREISENA POLYMORPHA

P102

Laviale, Martin; Morin, Soizic
CONTRASTED SHORT TERM RECOVERY OF PERIPHYTON PHOTOSYNTHESIS AFTER PULSE EXPOSITION TO THE SIMILARLY ACTING HERBICIDES: THE PHOTOSYSTEM II INHIBITORS ATRAZINE AND ISOPROTURON

P103

Pajk, Franja; Simcic, Tatjana; Brancelj, Anton
THERMAL SENSITIVITY OF METABOLISM AND GROWTH IN LAKE AND POND SPECIES OF DAPHNIA

P104

Akcaalan, Reyhan; Koker, Latife; Sozer, Basak; Oguz, Basak; Albay, Meric
N/P RATIO OR ALLELOPATHY IS EFFECTING MICROCYSTIN PRODUCTION OF MICROCYSTIS AERUGINOSA

P105

Simcic, Tatjana; Germ, Mateja
CLIMATE WARMING AND RESPIRATORY POTENTIAL OF AQUATIC ORGANISMS FROM AN OLIGOTROPHIC LAKE

P106

Vítová, Milada; Rucki, Marián; Zachleder, Vilém
EFFECT OF LANTHANUM AND NEODYMIUM ON THE GROWTH, CHLOROPHYLL CONTENT AND PHOTOSYNTHETIC RATE OF THE GREEN ALGA SCENEDESMUS QUADRICAUDA

O5 Ecosystem processes

Chair: Elliot, Alex

P107

LeJeune, Anne -Hélène; Pinel-Alloul, Bernadette; Bourdiol, Floriane; Aldamman, Lama; Peron, Tania; Amyot, Marc
HOW MIGRATORY BEHAVIOR AFFECTS BIOMAGNIFICATION OF METHYL-MERCURY BY THE PHANTOM MIDGE CHAOBORUS SP.

P108

Arroita, Maite; Aristi, Ibon; Flores, Lorea; Díez, Joserra; Elosegui, Arturo
THE USE OF WOOD STICKS TO ASSESS RIVER ECOSYSTEM FUNCTIONING: COMPARISON WITH LEAF BREAKDOWN RATES

P110

De Castro-Català, Núria; Mora-Gómez, Juanita; Muñoz, Isabel; Romaní, Anna M.
LINKS BETWEEN CONSUMER AND RESOURCE QUALITY: A LEAF LITTER DECOMPOSITION EXPERIMENT

P111

Elsaholi, Mohamed; Kelly-Quinn, Mary
THE EFFECT OF NUTRIENT CONCENTRATIONS AND RATIOS ON PERIPHYTON BIOMASS

P112

Fuchsberger, Jennifer; Weigelhofer, Gabriele; Teufl, Bernadette; Welti, Nina; Hein, Thomas
PO4-UPTAKE AND RELEASE IN AGRICULTURAL HEADWATER STREAMS - IMPACTS ON STREAM RESTORATION

P113

González, Ana Rosa; Butturini, Andrea
CHANGES IN MOLECULAR SIZE DISTRIBUTION IN DISSOLVED ORGANIC MATTER IN A MEDITERRANEAN RIVER: STORM FLOW VS. BASE FLOW

P114

Illyová, Marta
CLADOCERA AND COPEPODA SPECIES DIVERSITY PATTERNS ACROSS CONNECTIVITY GRADIENT IN THE DANUBE FLOODPLAIN AREA (SLOVAK-HUNGARIAN STRETCH).

P115

Mas-Martí, Esther; Sanpera-Calbet, Isis; Muñoz, Isabel
EFFECTS OF FLOW INTERMITTENCY ON CONSUMERS' FITNESS AND FUNCTIONING: A BOTTOM-UP EFFECT THROUGH CHANGES IN RESOURCES' QUALITY.

P116

Nogueira, Marcos; Perbiche-Neves, Gilmar; Naliato, Danilo; Debastiani, Jose Roberto; Casanova, Silvia
THE RIVER THE LA PLATA BASIN (BRAZIL, BOLIVIA, ARGENTINA, PARAGUAY AND URUGUAY): LATITUDINAL LIMNOLOGICAL PATTERNS AND EFFECTS OF LARGE RESERVOIRS CONSTRUCTION

P117

Pereira, Ana; Geraldles, Paulo; Lima-Fernandes, Eva; Fernandes, Isabel; Cássio, Fernanda; Pascoal, Cláudia
EFFECTS OF NUTRIENT ENRICHMENT AND RIPARIAN VEGETATION ON LITTER DECOMPOSITION IN STREAMS

P118

Sala, Marc; Butturini, Andrea; Camarero, Lluís; Boix, Marta

QUANTITATIVE AND QUALITATIVE DISSOLVED ORGANIC MATTER (DOM) CHANGES DURING SNOWMELT AND STORMFLOWS IN A HIGH MOUNTAIN CATCHMENT

P119

Seriñá, Vanesa; Chappuis, Eglantine; Ballesteros, Enric; Martí, Eugènia; Gacia, Esperança

PATTERNS OF VARIABILITY OF D13C AND D15N IN FRESHWATER AQUATIC MACROPHYTES FROM CATALONIA (NE SPAIN)

P120

Teufel, Bernadette; Weigelhofer, Gabriele; Fuchsberger, Jennifer; Welti, Nina; Hein, Thomas

EFFECTS OF STREAM DEGRADATION ON THE SEDIMENT QUALITY OF AGRICULTURAL LOW-ORDER STREAMS

P121

Ylla, Irene; Peter, Hannes; Romaní, Anna M.; Sabater, Sergi; Tranvik, Lars

RELATING BACTERIAL DIVERSITY AND EXTRACELLULAR ENZYMATIC FUNCTIONING: DIFFERENCES BETWEEN STREAM AND LAKE COMMUNITIES

O7 Biodiversity

Chair: De Wever, Aaike

P122

Alonso, Alvaro; Castro-Díez, Pilar

THE EXOTIC AQUATIC MUD SNAIL POTAMOPYRGUS ANTIPODARUM (HYDROBIIDAE, MOLLUSCA): STATE OF THE ART OF A WORLDWIDE INVASION

P124

Bereczki, Csaba; Szivák, Ildikó; Boda, Réka; Csabai, Zoltán

AQUATIC MACROINVERTEBRATE ASSEMBLAGE VARIATION AMONG SEASONS, SITES AND MICROHABITATS

P126

Csabai, Zoltan; Boda, Pal; Szivak, Ildiko; Kalman, Zoltan

DISPERSAL ACTIVITY OF AQUATIC COLEOPTERA AND HETEROPTERA SPECIES: BODY SIZE AND SPECIES DEPENDENT RESPONSES FOR CHANGING OF ENVIRONMENTAL FACTORS?

P127

Derka, Tomás; Fedor, Peter

HYDROLUTOS, AN EXTRAORDINARY AQUATIC ORTHOPTERAN GENUS (ORTHOPTERA: ANOSTOSTOMATIDAE: LUTOSINI) FROM GUYANA HIGHLANDS

P128

García Fernández, María Eugenia; Aboal, Marina

HIGH DIVERSITY AREAS OF CONTINENTAL ALGAE: THE CASE OF MURCIA, SOUTH-EAST OF SPAIN

P129

Guareschi, Simone; Gutiérrez-Cánovas, Cayetano;

Picazo, Félix; Sánchez-Fernández, David; Abellán, Pedro; Velasco García, Josefa; Millán, Andrés
MACROINVERTEBRATE BIODIVERSITY IN SPAIN'S MOUNTAIN NATIONAL PARKS: PATTERNS AND SURROGATES

P130

Mariani, Maria Antonietta; Buscarinu, Paola; Padedda, Bachisio Mario; Sechi, Nicola; Virdis, Tomasa; Lugliè, Antonella

KNOWLEDGE, POSSIBILITY OF PREDICTION AND MANAGEMENT OF POTENTIALLY TOXIC CYANOBACTERIA BLOOMS IN THE SARDINIAN MAN-MADE LAKES (WESTERN MEDITERRANEAN).

P131

Marrone, Federico; Lo Brutto, Sabrina; Arculeo, Marco

FIRST MOLECULAR EVIDENCES FOR THE SYNONYMY OF FERRISSIA WAUTIERI AND THE CRYPTIC INVADER FERRISSIA FRAGILIS (MOLLUSCA: PULMONATA: ANCYLIDAE)

P132

Moreno, Jose Luis; Aboal, Marina; Monteagudo, Laura

NEW RECORDS OF RARE MACROALGAE IN SOUTH-CENTRAL SPAIN

P134

Rivas-Rodríguez, Sheila; Vieira-Lanero, Rufino;

Servia, María J.; Barca-Bravo, Sandra; Gómez-Sande, Pablo; Lago-Meijide, Lorena; Morquecho, Carlos; Nachón, David; Cobo, Fernando

INVASIVE TRENDS OF FRESHWATER SPECIES IN A TRANSBOUNDARY RIVER: THE CASE OF THE MIÑO RIVER (SPAIN-PORTUGAL).

P135

Sanuy Castells, Delfí; Amat Orriols, Fèlix; Palau Ibars, Antoni

DISTRIBUTION AND HABITAT CHARACTERISTICS OF LACUSTRINE POPULATION OF THE PYRENEAN NEWT (CALOTRITON ASPER)

P136

Tomás, Pedro; Moreno, Jose Luis; Aboal, Marina;

Oscóz, Javier; Durán, Concha; Navarro, Patricia
DISTRIBUTION AND ECOLOGY OF SOME SPECIES OF RHODOPHYTA IN THE EBRO RIVER BASIN

O8 Novel techniques in freshwater ecology

Chair: Marcé, Rafael

P137

Angélibert, Sandrine; Faessler, Sarah; Gattolliat,

Jean-Luc; Gessner, Mark O.; Lazeyras, Michel; Pansier, Sébastien; Sartori, Michel; Stucki, Pascal; Oertli, Beat
EKEY - ELECTRONIC MULTIPLE ENTRY KEY: A NEW TOOL FOR ENVIRONMENTAL MANAGERS TO IDENTIFY AQUATIC INVERTEBRATES.

P138

Ejarque, Elisabet; Butturini, Andrea

CHARACTERISING THE DIVERSITY OF FLUORESCENCE DOM COMPONENTS IN HETEROGENEOUS DATA SETS: USE OF CHROMATOGRAPHIC PROCEDURES FOR EEM PEAK RECOGNITION AND DECOMPOSITION.

P139

Norf, Helge; Borchardt, Dietrich; Weitere, Markus

MOBICOS - A NEW SCIENTIFIC PLATFORM FOR EXPERIMENTAL WATER RESEARCH

P140

Picazo, Antonio; Rochera, Carlos; Vicente, Eduardo; Camacho, Antonio

CYTOMETRIC IDENTIFICATION AND DISCRIMINATION

OF PHOTOSYNTHETIC ORGANISMS IN THE VERTICAL PROFILE OF A HIGHLY STRATIFIED MEROMICTIC LAKE. MONITORING OF SEASONAL COMMUNITY DYNAMICS.

O10 Trophic webs

Chair: Ventura, Marc

P141

Brouard, Olivier; LE JEUNE, Anne-Hélène; LEROY, Céline; CEREGHINO, Régis; ROUX, Olivier; PELOZUELO, Laurent; DEJEAN, Alain; CORBARA, Bruno; Jean-François CARRIAS, Jean-François
INTEGRATING ALGAE AND OTHER MICROBIAL COMMUNITIES INTO THE DETRITUS-BASED FOOD WEB IN TANK-BROMELIADS

P142

Buñay, Danilo; Miró, Alexandre; Bonastre, Marta; Ventura, Marc
ROLE OF GAMMARUS LACUSTRIS (CRUSTACEA : AMPHIPODA) ON PLANKTON COMMUNITY STRUCTURE IN AN ALPINE SHALLOW LAKE (LLARG D'ENGORS, EASTERN PYRENEES)

P143

Mathieu, Francine; Christian, Müllegger; Andreas, Weilhartner; Jörg, Watzke; Martin, Kainz
HOW DO YOUNG, ARTIFICIAL LAKES AFFECT FOOD QUALITY AND FATTY ACID COMPOSITION IN ZOOPLANKTON?

P144

Muneret, Lucile; Toury, Julie; Reynaud, Dominique; Mérigoux, Sylvie
TROPHIC PATTERNS OF BENTHIC INVERTEBRATES ALONG TROPICAL ISLAND RIVERS (Réunion, Indian Ocean)

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

P145

Arce, Maria Isabel; Gómez, Rosa; Sánchez-Montoya, María del Mar; Vidal-Abarca, María del Rosario; Suárez, María Luisa
NITRIFICATION AND DENITRIFICATION RATES IN AN INTERMITTENT MEDITERRANEAN STREAM: DIFFERENCES BETWEEN A PERENNIAL AND A TEMPORARY REACH

P146

Catalán, Núria; Alomar, Carmen; Cañas, Lidia; Obrador, Biel; Pretus, Joan Ll.
DISSOLVED ORGANIC MATTER IN TEMPORARY STREAMS: SPATIOTEMPORAL VARIABILITY IN A MEDITERRANEAN CATCHMENT

P147

Jesus, Teresa
EVALUATION OF THE EFFECT OF EXTREME EVENTS (DROUGHT AND / OR FLOOD) IN THE STRUCTURE OF BENTHIC MACROINVERTEBRATE COMMUNITY OF THE POÇO NEGRO CREEK (PORTUGAL)

P148

Sánchez-Montoya, María del Mar; González, Carmen; García-Roger, Eduardo Moisés; Suárez, María Luisa; Vidal-Abarca, María Rosario; Prat, Narcís; Rieradevall, María; Gómez, Rosa

EFFECTS OF HYDROLOGICAL DROUGHT ON BOTH HABITAT AVAILABILITY AND MACROINVERTEBRATE COMMUNITY IN PERMANENT AND TEMPORARY MEDITERRANEAN STREAMS IN THE SOUTHEAST OF SPAIN.

SS2 Temporary wetland ecology

P149

Alfonso, Giuseppe; Ernandes, Paola; Zuccarello, Vincenzo; Belmonte, Genuario
TEMPORARY WATERS IN APULIA (SOUTH-EASTERN ITALY): BIODIVERSITY AND ENVIRONMENTAL FEATURES

P150

Boix, Dani; Caria, Maria Carmela; Gascón, Stéphanie; Mariani, Maria Antonietta; Sala, Jordi; Bagella, Simonetta
BIODIVERSITY IN MEDITERRANEAN TEMPORARY PONDS: CONTRASTING SPACE/TIME PATTERNS AMONG MULTIPLE ORGANISM-GROUPS

P151

Caria, Maria Carmela; Bagella, Simonetta
DIVERSITY OF PLANT ASSEMBLAGES WITH ISOETES HISTRIX IN MEDITERRANEAN TEMPORARY PONDS: IMPLICATION FOR CONSERVATION.

P152

Dolos, Klara; Rudner, Michael
SEASONAL VARIABILITY AND PHENOLOGY OF DWARF RUSH COMMUNITIES IN SOUTHERN SPAIN

P153

Fernández-Rodríguez, M. J.; Jiménez Rodríguez, Antonia; Hidalgo-Lara, C.; Serrano, L.
CHARACTERIZATION OF HAPTOPHYTE BLOOMS IN AQUACULTURE PONDS BY THE ESTUARY OF THE GUADALQUIVIR RIVER (SW SPAIN)

P155

Linares, Rogelio; Menció, Anna; Rodríguez-Florit, Agustí; Roqué, Carles; Zarroca, Mario
HYDROGEOLOGICAL FEATURES OF WETLANDS DEVELOPED OVER PEDIMENTS IN THE ALBERA RANGE (NE SPAIN)

P156

Miracle, Maria Rosa; Sahuquillo, Maria; Morata, Sara; Eduardo Vicente
NUTRIENTS AND PRIMARY PRODUCERS IN MEDITERRANEAN PONDS

SS4 Freshwater ecosystems as fundamental components in regional carbon budgets: a cross-system perspective

P157

Español, Cecilia; Gallardo, Belinda; Pino, M^a Rosa; Comín, Francisco A.
IS AQUATIC METABOLISM HIGHER IN NATURAL THAN IN RESTORED WETLANDS? A CASE OF STUDY IN A SEMI-ARID FLOODPLAIN.

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

P158

Herrera, Guillermo; Durán, Cristina; Medina-Sánchez,

Juan Manuel; Villar-Argáiz, Manuel; Rojo, Carmen; Álvarez-Cobelas, Miguel; Carrillo, Presentación
CONTRASTING RESPONSES OF NANO AND PICOPLANKTON COMMUNITIES TO UVR AND P- INPUTS IN A MID-ALTITUDE LAGOONS OF MEDITERRANEAN REGION.

SS10 Patterns and Processes in Riverine Landscapes: A special session in honour of Professor Björn Malmqvist

P159

Cid Puey, Nuria; Andreu, Rosa; Ibañez, Carles; Collado, Rut; Rieradevall, Maria; Prat, Narcís
NICHE SEPARATION AND BIOLOGICAL TRAIT RESPONSE TO HYDRAULIC STRESS OF BENTHIC MACROINVERTEBRATES IN A LARGE REGULATED RIVER

P160

Tekwani Movellan, Nerea; Torná@s, Elisabet; Urrea - Clos, Gemma; Majdi, Nabil; Buffan-Dubau, Evelyne; Sabater, Sergi; Tackx, Micky
CONTRIBUTION OF EPILTHIC DIATOMS TO BENTHIC-PELAGIC COUPLING IN THE GARONNE RIVER (FRANCE)

P161

Tornes, Elisabet; Acuña, Vicenç; Sabater, Sergi
EFFECT OF FLOOD EVENTS AT DIFFERENT SPATIAL SCALES ON DIATOM COMMUNITIES IN A SEMIARID RIVER NETWORK

SS11 Multiple-scale perspectives on stream biogeochemistry

P162

Banea, O; Boix Canadel, M; Costea Llabrés, G; Fasciotti, A; Llorens Marès, T; Morán López, T; Nadal Sala, D; Olivet Vila, J; Requena Pelegrina, R; Rodríguez Blanco, S; Rovira Capdevila, M; Sala Faig, M; Serriñá Esteban, V; Butturini, A
SOLUTE TRANSPORT THROUGH A RIVER NETWORK. DO STREAM SYSTEMS REALLY A GOOD JOB?

P163

Boy Roura, Mercè; Menció Domingo, Anna; Mas-Pla, Josep
NITRATE TRENDS IN SPRINGS AS A FACTOR INFLUENCING SURFACE WATER QUALITY

P164

López-Sánchez, David; Boix, Dani; Folch, Albert; Rodríguez-Florit, Agustí; Mas-Pla, Josep; Brusi, David; Menció, Anna
ANALYZING THE NITROGEN CYCLE IN A RIVER-AQUIFER CONTEXT. THE ONYAR RIVER CASE (NE SPAIN).

P165

Lupon, Anna; Sabater, Francesc
RELATING NUTRIENT UPTAKE WITH TRANSIENT STORAGE ZONES: EVIDENCE FROM IN-CHANNEL OBSTRUCTERS MANIPULATION

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

P166

Farres, Roser; Felip, Marisol; Camarero, Lluís; Catalan, Jordi
MULTIANNUAL CHANGES OF LAKE MICROPLANKTON

ASSEMBLAGES IN A HIGH MOUNTAIN LAKE: LINKING CLIMATE VARIABILITY AND FLUCTUATIONS IN COMMUNITY COMPOSITION.

P167

Kokorite, Ilga; Klavins, Maris; Jankevica, Maruta; Konosonoka, Inga
EVALUATION OF HISTORICAL ANTHROPOGENIC PRESSURE ON LAKE ECOSYSTEMS BY USING SEDIMENT CORE ANALYSIS

P168

Kreneva, Sofia; Kreneva, Katerina
RECENT TRENDS IN DIAGNOSTICS OF THE GREAT RUSSIAN LAKES

P169

Polasek, Marek; Zahradkova, Svetlana; Spacek, Jan; Bojkova, Jindriska
MAYFLIES OF THE FAMILY HEPTAGENIIDAE (INSECTA, EPHEMEROPTERA) OF THE CZECH REPUBLIC: RARE, PROTECTED AND PROBLEMATIC SPECIES

P170

Varadinova, Emilia; Soufi, Rabia; Kerakova, Maria; Vidinova, Yanka; Tyufekchieva, Violeta; Uzunov, Yordan
LONG TERM CHANGES IN MACROINVERTEBRATE SPECIES COMPOSITION AND ACTUAL ECOLOGICAL STATE ASSESSMENT OF BULGARIAN RIVER REFERENT SITES

P171

Vrba, Jaroslav; Kopacek, Jiri; Fott, Jan; Nedbalova, Linda
LAKE RACHELSEE (1999-2010): A CASE OF PLANKTON RECOVERY FROM ACID STRESS DELAYED BY FOREST DIEBACK

SS14 Freshwater mollusks. Biodiversity and ecological threats and Conservation strategies.

P172

Barata, Carlos; Faria, Melissa; Blázquez, Mercedes; Fernández, Maria; Navarro, Ana; López, Miguel Angel; Lacorte, Silvia; Piña, Benjamín
CONTAMINANT AND PHYSIOLOGICAL DIFFERENCES OF SPANISH ZEBRA MUSSEL (DREISSENA POLYMORPHA) POPULATIONS.

P173

Palau, Antoni; Navarro, Enrique; Colomer, M. Angels; Sanuy, Delfi; Marín, Nines; Miguel, Lluís
MODELING LARVAL DYNAMICS IN RIBARROJA RESERVOIR: AN ENVIRONMENTALLY-FRIENDLY TOOL FOR CONTROLLING ZEBRA MUSSEL (DREISSENA POLYMORPHA) COLONIZATION OF AQUATIC INFRASTRUCTURES

P174

Pou-Rovira, Quim; Llopart, Xavier; Feo, Carles; Campos, Miquel; Boix, Dani; Carabús, M^a Pilar; Ramos, Santi; Araujo, Rafael
PRESENT SITUATION OF UNIONIDS IN THE LOWER TER

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

P175

Cortés, Alicia; Rueda, Francisco José; de Vicente, Inmaculada; Escobar, Maria Ángeles; García-Jurado, Fátima; Hoyer, Andrea; Fleenor, William; Lucena,

Juan; Moreno-Ostos, Enrique
RIVER INFLOW MIXING IN A STRATIFIED
MEDITERRANEAN RESERVOIR (BÉZNAR, SPAIN)

P176

Ozkahya, Pinar; Tarkan, Ahmet Nuri; Onsoy, Bahadır;
Kaymaz, Seyma Merve; Sevingel, Nail
AN INVESTIGATION ON THE SPRINGS OF GOKOVA
BAY (TURKEY, SOUTHERN AEGEAN)

P178

Ramón, Cintia; Rueda, Francisco; Acosta, Mario
MODELLING TRANSPORT AND MIXING PROCESSES
AT THE CONFLUENCE OF TWO RIVERS ENTERING A
MEANDERING RESERVOIR

P179

Rask, Martti; Olin, Mikko; Ruuhijärvi, Jukka
IMPROVEMENTS IN THE FINNISH FISH-BASED LAKE
CLASSIFICATION METHOD

P180

Rîsnoveanu, Geta; Nistorescu, Marius; Preda, Elena;
Popescu, Cristina; Vădineanu, Anghelupă
LITTER DECOMPOSITION EXPERIMENTS IN AQUATIC
SYSTEMS: DOES THE SHAPE OF LEAF LITTER BAGS
MATTERS?

P181

Vicente, Eduardo; Soria, Juan M.; Soria, Xavier;
Miracle, Maria R.; Rodríguez, Maria J.; Durán, Concha
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
09:30 - 09:45	SS4. Wallin		SS1. Dehedin	09. Salis	SS14. Zbikowska
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. Carrapiço
11:30 - 11:45	SS4. Rasilo		SS1. Magoulick	04. Corcoll	SS7. Naselli
11:45 - 12:00	SS4. Vidal		SS1. Datry	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**

Location: Sala Simfònica

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, Gwenaël; 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; Eloegi, 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,
SS1-11 David; García-Roger, Eduardo; Gelbrecht,
Jörg; Karaouzas, Ioannis; Koutsikos,
Nikolaos; Prat, Narcis; Steward, Alisha;
Tockner, Klement
TERRESTRIAL INVERTEBRATE COMMUNITIES
OF TEMPORARY MEDITERRANEAN STREAMS

12:30 García Novo, Francisco; Fernández Lo Faso,
SS1-12 Raquel P.
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;
09-1 Townsend, Colin
MULTIPLE AGRICULTURAL STRESSORS IN
STREAMS: LESSONS FROM EXPERIMENTS
AT TWO SPATIAL SCALES

09:30 Salis, Romana; Matthaei, Christoph;
09-2 Winkworth, Cynthia
MULTIPLE-STRESSOR EFFECTS OF THE
AGRICULTURAL ANTIBIOTIC MONENSIN,
DAIRY EFFLUENT AND RIPARIAN SHADE ON
STREAM ALGAL COMMUNITIES

09:45 Wagenhoff, Annika; Matthaei, Christoph;
09-3 Townsend, Colin
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;
09-5 Thomsson, Gustaf; Guo, Junwen
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 Corcoll, Natàlia; Bonet, Berta; Leira, Manel;
04-1 Guasch, Helena
LIGHT HISTORY INFLUENCES THE RESPONSE
OF FLUVIAL BIOFILMS TO ZN EXPOSURE

11:45 Perona, Elvira; Carmona, Javier; Berrendero,
04-2 Esther; Cartajena, Mariana; Loza, Virginia;
Beltran, Yenny; Hernández, Ignacio;
Sánchez-Díaz, Elena; Fernández-Valiente,
Eduardo; Mateo, Pilar

ENVIRONMENTAL CONTROL OF CRUCIAL
PHYSIOLOGICAL ACTIVITIES IN FLUVIAL
BENTHIC CYANOBACTERIA

12:00 Santos, José; Almeida, Salomé; Figueira,
04-3 Etelvina
CADMIUM EFFECTS IN NITZSCHIA PALEA
(KÜTZING) W. SMITH FRUSTULE PROTEINS

12:15 Bonastre, Marta; Miró, Alexandre; Larsen,
04-4 Thomas; Ventura, Marc
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;
SS14-3 Barata, Carlos; Torreblanca, Amparo; Cordero,
David; Peña, Juan B.; Saavedra, Carlos
FIRST GENETIC DATA ON ZEBRA MUSSEL
(DREISSENA POLYMORPHA) POPULATIONS
FROM RECENTLY INVADED SPANISH
RIVERS.

10:00 Pina, Benjamin; Navarro, Anna; Campos,
SS14-4 Bruno; Barata, Carlos
PHYSIOLOGICAL DIFFERENCES OF
SPANISH ZEBRA MUSSEL (DREISSENA
POLYMORPHA) POPULATIONS USING
TRANSCRIPTOME ANALYSES.

10:15 Ureña, Rocio; Ruiz, Olga; del Ramo, Jose;
SS14-5 López, Miguel Angel; Barata, Carlos;
Torreblanca, Amparo
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

Location: Sala 1

Chair: Boavida, M.

11:00 Sabater, Sergi; Duran, Concha; Perez-Baliero,
SS7-1 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



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA
E INNOVACIÓN

fundació
privada:
Girona,
Universitat
i futur



Agència
de Gestió d'Ajuts
Universitaris
i de Recerca

Technical Secretariat:

VIAJES CIBERIA
CONGRESOS

C/Plaça d'Europa, 17-19 1st floor
08908 Hospitalet de Llobregat - Barcelona - Spain
T. +34 93 510 1005 - F. +34 93 510 1009
sfs2011@viajesiberia.com