



JORNADAS IBÉRICAS DE ICTIOLOGIA **SIBIC**

Conhecer para preservar

24 a 27 de junho de 2014 LISBOA
Museu Nacional de História Natural e da Ciência

WWW.SIBIC.ORG

PROGRAMA

Patrocinadores principais



Patrocinadores



Apoios



Oceanário de Lisboa
Sempre diferente.



A STAR ALLIANCE MEMBER

Expositores



Instituições organizadoras



COMITÉ CIENTÍFICO

Paulo Alexandrino
Pedro Raposo de Almeida
Juan Francisco Asturiano
Henrique Cabral
Fernando Cobo
Maria João Collares-Pereira
Maria José Costa
Estibaliz Diaz
Isabel Domingos
Carlos Fernández-Delgado
Maria Teresa Ferreira
Maria Filomena Magalhães
Anabel Perdices
Ainhize Uriarte
Lluís Zamora Hernández

COMITÉ ORGANIZADOR

Maria Judite Alves
Pedro Raposo de Almeida
José Lino Costa
Ana Filipa Filipe
Christos Gkenas
Maria Filomena Magalhães
Carla Maia
Catarina Mateus
Natacha Mesquita
Bernardo Quintella
Filipe Ribeiro
José Maria Santos

General information

VENUE

The V Iberian Congress of Ichthyology takes place at the National Museum of Natural History and Science (MUHNAC), situated in Rua da Escola Politécnica (56/58), near the Príncipe Real square in the heart of Lisbon.

- Plenary and special sessions take place in *Amphiteatro Chimico* (Level 1)
- Presentations take place in two rooms simultaneously: *Auditório Valadares* (Level 1) and *Auditório Quintanilha* (Level 0)
- Poster sessions take place in *Corredor de Radioquimica* (Level 1)

TIMETABLE OF THE SECRETARIAT DURING THE CONGRESS

The Secretariat of the Congress locates at the main entrance of MUHNAC during the first two days. Afterwards, it will move up to the *Sala Cyrillo Soares* (Level 1). Open hours are the following: Tuesday, June 24, between 4.00 p.m. and 6.30 p.m.; remaining days between 8.30 a.m. and 4.30 p.m.. The Secretariat closes during main activities and technical visits.

REGISTRATIONS

The registration fee includes:

- Documentation and book of abstracts
- Identification card
- Access to all sessions and activities
- Technical and guided visits
- Welcome Drink on June 24
- Lunches and coffee breaks on June 25-27
- Congress dinner on June 25
- Certificates of attendance and of presentation (oral communication/poster)
- Congress T-shirt

COMMUNICATIONS

Communications must follow the instructions below:

- **Oral communications:** in every room a member from the local organization gives support to the attendees with the audio-visual media. **All presentations must be given to the organization at Secretariat on the day before their presentation.** We ask all presenters to check their presentations ahead of time. A dedicated room for the presenters to practice locates in Level 1 – Zoology.
- **Poster communications:** posters must be placed on *Corredor de Radioquimica* (Level 1), before the poster session (June 25) and should not be retrieved before June 27 (lunch time). During posters presentation, authors are asked to remain close to their posters in order to answer possible questions from the remaining attendees.

All presentations must be prepared according to the guidelines presented on the web page (http://www.sibic.org/jornadas/2014/comunicaciones_pt.html).

STUDENT PRESENTATION AWARDS

SIBIC awards the best oral and poster communication presented by students. If you are a student and intend to participate, please inform the Secretariat upon local registration. The awards consist in a diploma, a free annual registration as a SIBIC member, and scientific books. The local organizing

committee is responsible for the jury selection and for the procedures related to the assignment of the awards.

INTERNET ACCESS

Free internet (Wi-Fi) is available during the Congress. Credentials are given to attendees together with documentation.

There is a room for work meetings available on the ground level (Level 0, *Reserva Visitável*)

LUNCHES & COFFEE-BREAKS

Lunches take place at *Jardineta (Claustro)*, in Level 0, and consist of “finger food”. We ask all participants to collaborate during the serving hours and help to maintain the area clean.

Coffee-breaks are at the *Sala Cyrillo Soares* (Level 1), close to *Auditório Valadares*.

CONGRESS DINNER – JUNE 25, Zambeze Restaurant (São Jorge Castle - Hillside)

Itinerary from the Baixa-Chiado metro station (located at Rua Garrett) to the restaurant Zambeze:

In the **Baixa-Chiado Metro** station (Blue line) located at Rua Garrett, step down through the moving stairway and exit at Rua do Crucifixo. **Go straight through Rua da Vitória** to Rua dos Fanqueiros (about 750m), where you will find the elevators inside the building (**Elevadores do Castelo**). Take the Elevator (open until 9 p.m.) and get off at last level Rua da Madalena, **go left** towards the Pingo Doce supermarket and Parking (Car Silo). Inside the building, **take the elevator** to the Restaurant Zambeze (level 7).



VISIT TO THE OCEANARIUM – JUNE 27 (5.30 p.m.)

The Oceanário de Lisboa opened in 1998 for the XXth Century's last World Fair, themed "The Oceans, a Heritage for the Future". With over one million visitors per year, the Oceanário has become a reference aquarium in Lisbon, in Portugal and across the world.

As sponsor of the conference, the Oceanário offers an entrance to the participants on June 27, between 6 p.m. and 8 p.m., after the conference closing session.

The participants will be transported to the Oceanário by a bus from the municipality.

Organizers: Catarina Mateus (IO)

Please send an email to confirm your presence until June 10 to: sibic2014@museus.ul.pt

VISIT TO THE EXPERIMENTAL FISH PASSAGE MODEL AT THE NATIONAL LABORATORY OF CIVIL ENGINEERIN (L.N.E.C.) – FISHMOVE PROJECT – JUNE 28 (10 a.m.)

The FishMove project started in 2012 and involves 4 institutions: Instituto Superior de Agronomia (ISA, Coordinator), Instituto Superior Técnico (IST), Laboratório Nacional de Engenharia Civil (LNEC) and a Canadian consulting, Katopidis Ecohydraulics (KE). This project aims to assess the effects of small instream structures on the migratory movements of Iberian cyprinid species, particularly their ability to negotiate distinct physical and hydraulic obstacles to further develop mitigation measures for improving river connectivity in Portuguese rivers. In this journey, we will visit the experimental full-scale fish passage model at LNEC, where the laboratory component of the project takes place. At this time we

should be running experiments to assess species jumping performance through a small simulated barrier.

How to get there: Walk down (350m) Rua da Escola Politécnica (Congress venue) to Metro station "Rato" (yellow Line). Take the metro (direction: Odivelas) and leave at station "Entrecampos". Get off the station (Entrecampos / Av. E.U.A.) and catch Bus no. 744 (direction: Moscavide). Leave at station "Bombeiros Alvalade" and walk 250m to the destiny (huge building ahead at a crossing).

Meeting point will be at the outside main entrance of the building at 10h00 (GPS coordinates: N 38° 45.507; W 009° 08.458)

Organizers: Teresa VISEU (LNEC), José Maria SANTOS (ISA)

Visit conditioned to a maximum of 40 participants.

Please send an email before June 21 to confirm your presence to: jmsantos@isa.ulisboa.pt

GUIDED VISIT TO THE EX-SITU CONSERVATION FACILITIES AT THEVASCO DA GAMA'S AQUARIUM – JUNE 28 (10 a.m.)

The *ex-situ* conservation of endangered freshwater fish project started in 2008, aiming to preserve the genetic pool of populations in eminent risk of extinction until their habitats are restored and restocking with captive bred individuals may be accomplished. In this visit you will be able to visit one of the *ex-situ* conservation facilities of this project, in which *Iberochondrostoma lusitanicum*, *Iberochondrostoma almacai* and *Achondrostoma occidentale* individuals are being kept. It will be possible to get in touch with the conditions in which juveniles are raised, the technical details implemented to achieve natural spawnings and the recent results from the restocking actions conducted so far.

How to get there: By train, get Cascais Line and leave at station "Algés", catch Bus no. 76 to "Aquário" or walk around 10 min.. By Bus, catch Bus no.s 723, 729, 750 or 751, and leave at station "Algés" or Bus no. 1, 6 or 76 and leave at station "Dafundo". By Electric, catch electric no. 15 in Praça da Figueira to "Algés", and then catch Bus no. 76 to "Aquário Vasco da Gama".

Organizers: Fátima GIL, Carla SOUSA-SANTOS.

Visit conditioned to a maximum of 15 participants.

Please send an email before June 21 to confirm your presence to: avg.aqua@marinha.pt; csousasantos@gmail.com.

OTHER AVAILABLE SERVICES AT MUHNAC

Established in 1926, the Museum functions under the University of Lisbon, and has numerous activities for the promotion of natural history and science awareness. Its rich collections, gathered along more than 250 years, span the areas of zoology, anthropology, geology and botany. The Exhibitions, Botanical Garden and Butterfly Garden are open for visits during the congress. Timetables are available at the main entrance of MUHNAC.

The Museum also offers a shop space and cafeteria, open from Tuesday to Friday, between 10 a.m. and 5 p.m..

TRANSPORTS AND PARKING

Lisbon is served by a network of metro and bus that can take you to almost all part of the city. The nearest metro stations to the Congress venue are RATO (Yellow Line) located 300m NW, and BAIXA-CHIADO (Blue Line) located 1300m SE. For details and maps of the entire network see <http://www.metrolisboa.pt/eng/>

Buses numbers 758 (approx every 9-11 min.) and 773 (approx every 14-15 min.) will take you very close to the Congress venue. Leave at station "R. da Escola Politécnica". Timetables and maps can be found at <http://www.carris.pt/en/home/>

Lisbon taxis are available 24h/day. To ask for a taxi, please call +351 219 362 113 (24h/day: Taxis de Lisboa) or +351 217 932 756 (Autocoope)

It is possible to park at MUHNAC. Please indicate until June 21, your name, number of car plate and arrival/departure day and hour.

INFORMATION ABOUT LISBON

Turismo de Lisboa (Tourism of Lisbon): <http://www.visitlisboa.com/>

Câmara Municipal (Town Hall): <http://www.cm-lisboa.pt/en>

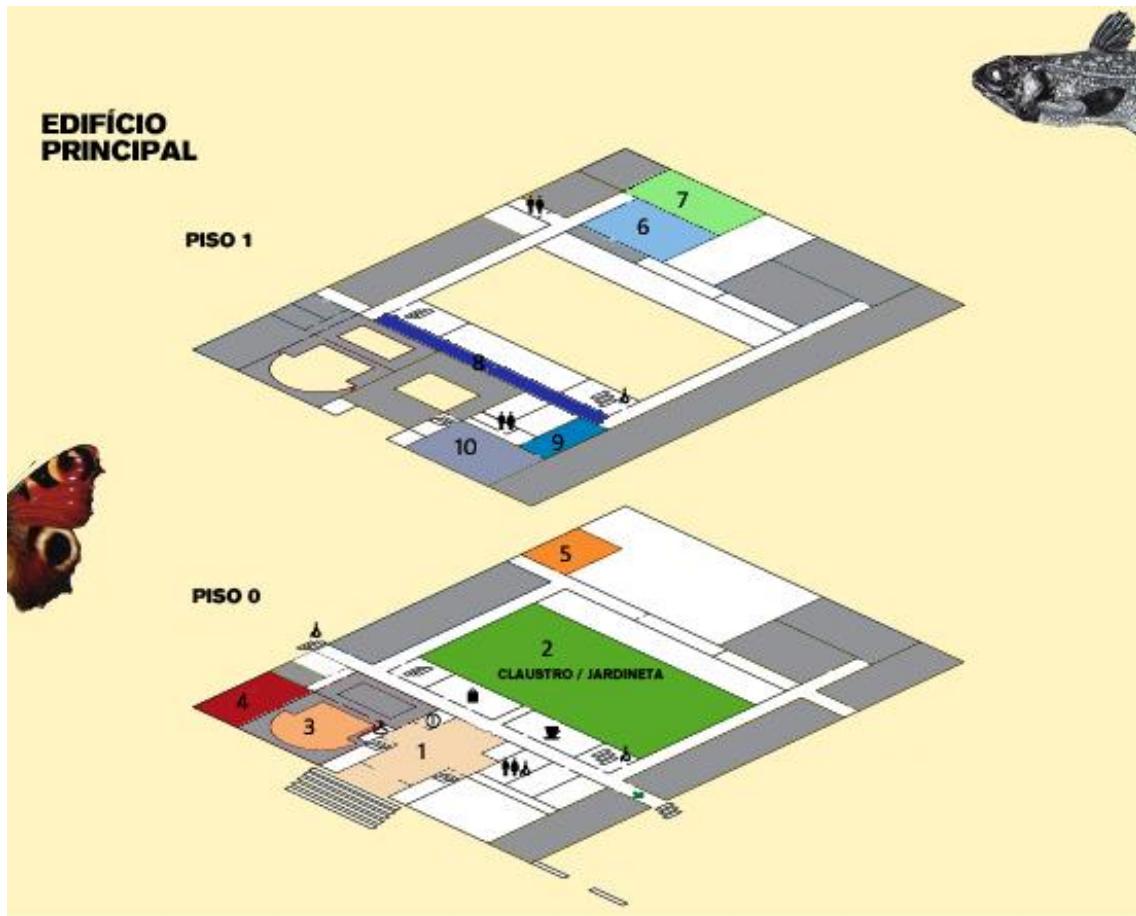
Weather Forecast: <http://www.ipma.pt/en/index.html>

CONTACTS

During the Congress, the following phone contacts will be available:

Secretariat (Filipe Ribeiro): 966201464

Secretariat (Carla Maia): 934514612



Legenda: 1. Main entrance MUHNAC; 2. Jardineta (clautro); 3. Amphiteatro Chimico; 4. Reserva visitável; 5. Auditório Quintanilha; 6. Auditório Valadares; 7. Sala Cyrillo Soares; 8. Corredor de Radioquímica; 9. Sala Azul; 10. Sala da Baleia.

TIMETABLE

Tuesday, 24		Wednesday, 25 June		Thursday, 26 June		Friday, 27 June		Saturday, 28 June					
8:30 - 9:00		Arrival & Registration		Arrival & Registration		Arrival & Registration							
9:00 - 10:00		OPENING CEREMONY Carlos FERNÁNDEZ-DELGADO		PLENARY SESSION <i>Illustrating fish</i> Pedro SALGADO & Claudia BAETA		PLENARY SESSION <i>Coastal fish assemblages</i> Henrique CABRAL							
10:00 - 11:00		PLENARY SESSION <i>Ecology and management of invasive fish</i> Emili GARCIA-BERTHOU		<i>Freshwater fish</i> Chairman: Felipe MORCILLO 0.7:1 Lluís ZAMORA 0.7:2 Amílcar TEIXEIRA 0.7:3 Pedro M. LEUNDA 0.7:4 Javier GORTÁZAR	<i>Freshwater fish</i> Chairman: Miguel CLAVERO 0.8:1 C. GRANADO-LORENCO 0.8:2 Ana Filipa FILIPE 0.8:3 Paulo BRANCO 0.8:4 Mário FERREIRA	<i>Coastal fish</i> Chairman: Filipe MARTINHO 0.15:1 Alberto Pereira CAEIRO 0.15:2 Alberto T. CORREIA 0.15:3 Maria Ana ABOIM 0.15:4 André LEVY	<i>Management Conservation</i> Carlos FERNANDEZ-DELGADO 0.16:1 A. PINO-DEL-CARPIO 0.16:2 F. J. OLIVA-PATERNA 0.16:3 P. Raposo de ALMEIDA 0.16:4 Filipe RIBEIRO	VISIT TO THE EXPERIMENTAL FISH PASSAGE MODEL AT THE NATIONAL LABORATORY OF CIVIL ENGINEERING (L.N.E.C.) – FISHMOVE PROJECT	GUIDED VISIT TO THE EX-SITU CONSERVATION FACILITIES AT THE VASCO DA GAMA'S AQUARIUM				
11:00 - 11:30		Coffee-break		Coffee-break		Coffee-break							
11:30 - 13:00		<i>Non-natives fishes</i> Chairman: EMILI GARCIA-BERTHOU 0.1:1 Lukáš KALOUS 0.1:2 Ali Serhan TARKAN 0.1:3 Jarle STEINKJER 0.1:4 Eva ZÁHORSKÁ 0.1:5 Filipe RIBEIRO	<i>Regulated rivers</i> Chairman: Pedro Raposo de ALMEIDA 0.2:1 José M. SANTOS 0.2:2 F. J. BRAVO-CÓRDOBA 0.2:3 Victoria RODRÍGUEZ RUIZ 0.2:4 David CATITA 0.2:5 Joaquim de JESUS	<i>Management and Conservation</i> Chairman: José María SANTOS 0.9:1 João OLIVEIRA 0.9:2 Ibon TOBES 0.9:3 Francisco A. VILLA-NAVARRO 0.9:4 Ramón José DE MIGUEL 0.9:5 Lluís BENEJAM 0.9:6 Sandra VIEIRA	<i>Freshwater fish</i> Chairman: Luís ZAMORA 0.10:1 Miguel CLAVERO 0.10:2 Jolita DILYTÉ 0.10:3 Mauricio CETRA 0.10:4 Daniel Filipe PIRES 0.10:5 Paulo PINHEIRO 0.10:6 Pedro P. Uchôa AQUINO 0.10:7 Alfonso CASTILLO-DOMÍNGUEZ	<i>Coastal fish</i> Chairman: Maria José COSTA 0.17:1 Marta ALBO-PUIGSERVER 0.17:2 Rui FREITAS 0.17:3 Sílvia PEDRO 0.17:4 Ana COLMENERO 0.17:5 Juan F. ASTURIANO	<i>Anguilla anguilla</i> L. Chairman: Isabel DOMINGOS 0.18:1 Miguel CLAVERO 0.18:2 Lluís ZAMORA 0.18:3 José M. SANTOS 0.18:4 Iker AZPIROZ 0.18:5 Estíbaliz DÍAZ 0.18:6 Estíbaliz DÍAZ						
13:00 - 14:30		Lunch JARDINETA (CLAUSTRO)		Lunch JARDINETA (CLAUSTRO)		Lunch JARDINETA (CLAUSTRO)							
14:30 - 16:30		<i>Non-natives fishes</i> Chairman: Filipe RIBEIRO 0.3:1 Quim POU-ROVIRA 0.3:2 Ana Cristina CARDOSO 0.3:3 Carlos FERNÁNDEZ-	<i>Fish performance</i> Chairman: Fernando COBO 0.4:1 Paulo BRANCO 0.4:2 Tiago Filipe NEVES 0.4:3 Carlos Manuel ALEXANDRE 0.4:4 Francisco-Javier SANZ- 0.4:5 Felipe MORCILLO 0.4:6 Anabela MAIA	PLENARY SESSION <i>Endangered sawfish and deep-sea sixgills</i> Dean GRUBBS		<i>Sistematics, zoogeography</i> Chairman: Maria João COLLARES-PEREIRA 0.19:1 Anabel PERDICES 0.19:2 Hugo F. GANTE 0.19:3 Catarina Sofia MATEUS 0.19:4 Carla S. A. PEREIRA 0.19:5 Lara COVELO-SOTO 0.19:6 Alain Lois D'ARTOLA- 0.19:7 Hugo F. GANTE	<i>Anguilla anguilla</i> L. Chairman: Estíbaliz DÍAZ 0.20:1 Juan F. ASTURIANO 0.20:2 Carlos ANTUNES 0.20:3 Isabel DOMINGOS 0.20:4 José Lino COSTA						
15:30 - 16:30		<i>Sharks and rays</i> Chairman: Dean GRUBBS 0.11:1 João CORREIA 0.11:2 Mafalda FREITAS 0.11:3 Joan NAVARRO 0.11:4 Claudio BARRÍA	<i>Non-natives fishes</i> Chairman: Sehran TARKAN 0.12:1 Quim POU-ROVIRA 0.12:2 Christos GKENAS 0.12:3 Barbora ŠTEVOVE 0.12:4 Iván VEDIA	<i>Sharks biodiversity</i> Chairman: Anabel PERDICES 0.13:1 Ana VERÍSSIMO 0.13:2 Bruno A. DE FRANCO 0.13:3 Pedro CARDOSO		DEBATE: Eel management plans							
16:30 - 17:00		Coffee-break		Coffee-break		CONGRESS CLOSING CEREMONY							
17:00 - 18:00	Welcome Drink offered by DOCAPESCA Slideshow Desert Fish by Javier ESQUIVIAS	<i>Assessment water quality</i> Chairman: Lluís BENEJAM 0.5:1 Daniel OLIVEIRA 0.5:2 Paulo PINHEIRO 0.5:3 David DA FONTE 0.5:4 Pedro SEGURADO 0.5:5 Daniel OLIVEIRA	<i>Climate change effects</i> Chairman: Henrique CABRAL 0.6:1 Filipe MARTINHO 0.6:2 Catarina VINAGRE 0.6:3 Rui ROSA MOVIE Desert fish, Javier ESQUIVIAS	<i>Non-native fishes</i> Chairman: Lukas KALOUS 0.14:1 David ALMEIDA 0.14:2 Gülsah SAÇ 0.14:3 Flávia Baduy Vaz da SILVA 0.14:4 Kristina ŠVOLÍKOVÁ									
18:00 - 20:00	Opening Exhibition <i>Fish illustration</i>	POSTER SESSION Corredor da Radioquímica		SIBIC GENERAL ASSEMBLY		VISIT TO THE OCEANARIUM							
20:30 - 22:30		CONGRESS DINNER Zambeze Restaurant											

TIMETABLE

Tuesday, 24 June

- 17:00-21:00 Arrival & Registration at the Congress site
Congress Secretariat, Main entrance of the MUHNAC
- Welcome Drink – offered by DOCAPESCA
Jardineta MUHNAC
- Slideshow of the movie “Desert fish”, by Javier ESQUÍVIAS (2014)*
- Opening Exhibition “Fish illustration”, Sala Azul*

Wednesday, 25 June

- 8:30-9:00 Arrival & Registration at the Congress site
Congress Secretariat, Main entrance of the MUHNAC

Amphiteatro Chimico (Level 0)

- 9:00-10:00 Opening Ceremony
Carlos FERNÁNDEZ-DELGADO

- 10:00-11:00 PLENARY SESSION
Ecology and management of invasive fish: a perspective from the Iberian Peninsula
Emili GARCIA-BERTHOU

Sala Cyrillo Soares (Level 1)

- 11:00-11:30 Coffee-break

Auditório Valadares (Level 1)

- 11:30-13:00 ORAL SESSION. 0.1 **Non-natives fishes: vectors and impacts**
Chairman: Emili GARCIA-BERTHOU
- 0.1:1 - Influence of Central European anglers on non-native fish introductions to Iberia**
Lukáš KALOUS, Filipe RIBEIRO & Miloslav PETRTÝL
- 0.1:2 - Fish stockings to newly formed man-made reservoirs in Turkey: ecological disasters or socioeconomic benefit?**
Ali Serhan TARKAN, Özcan GAYGUSUZ, Zeynep DORAK & Hamdi AYDIN
- 0.1:3 - Some economic aspects of the introduced Atlantic salmon parasite *Gyrodactylus salaris* in Norway**
Jarle STEINKJER
- 0.1:4 - Elevated water temperature and drastic changes in fish communities - a possible scenario for climate change in the lakes of northern latitudes**
Eva ZÁHORSKÁ, Mária BALÁŽOVÁ & Vladimír KOVÁC

0.1:5 - Aquarium Store Risk Assessment: evaluating fish invasion risk caused by ornamental trade

Filipe RIBEIRO, Carlos MOURÃO, Inês RANGE & Maria Filomena MAGALHÃES

Auditório Quintanilha (Level 0)

11:30-13:00 ORAL SESSION. 0.2 **Management of regulated rivers and reservoirs**

Chairman: Pedro Raposo de ALMEIDA

0.2:1 - Can the placement of artificial boulders in pool-type fishways improve passage performance of benthic species?

José M. SANTOS, Paulo BRANCO, Teresa VISEU, António N. PINHEIRO & Teresa FERREIRA

0.2:2 - Ecohydraulics monitoring and improvement of fish passes in the Duero Basin: the case of river Tormes in Santibáñez de Béjar (Salamanca)

Francisco Javier BRAVO-CÓRDOBA, Francisco Javier SANZ-RONDA, Jorge RUIZ-LEGAZPI, Juan Francisco FUENTES-PÉREZ & Víctor SALGADO-GONZÁLEZ

0.2:3 - Benefits of hydroacoustics on fish research: Preliminary results of a TS study on Barbels

Victoria RODRÍGUEZ RUIZ, Lourdes ENCINA & Amadora RODRÍGUEZ RUIZ

0.2:4 - Pedrógão dam fish lift (Portugal, Beja) - goals and operation

David CATITA, Rita AZEDO & Ana ILHÉU

0.2:5 - Potentialities of fish behavioral barriers using acoustic stimuli: application in native species

Joaquim de JESUS, Amílcar TEIXEIRA, Rui M.V. CORTES, Silvestre NATÁRIO, Clara AMORIM, Paulo FONSECA, João CARROLA, Simone VARANDAS & Luís T. PEREIRA

Jardineta (Claustro) (Level 0)

13:00 -14:30 Lunch

Auditório Valadares (Level 1)

14:30-16:30 ORAL SESSION. 0.3 – **Non-native fishes: populations` control**

Chairman: Filipe RIBEIRO

0.3:1 - Project Estany, a LIFE + project for the recovery and protection of the original biodiversity in Lake Banyoles: results of population control fish

Quim POU-ROVIRA, Miquel CAMPOS LLACH, Carles FEO QUER, Ramon CASADEVALL & Arnau JUSCAFRESA

0.3:2 - Decrease the pressure from exotic species on Saramugo (*Anaecypris hispanica*) populations

Ana Cristina CARDOSO & Carlos CARRAPATO

0.3:3 - Restoration of Aquatic Ecosystems. Protecting and maintaining Europe's Native Aquatic Ecosystems (Sponsor presentation)

Gunnar PERSSON

0.3:4 - Changes after eradication of a Carp population introduced in a lagoon of South of Spain

Carlos FERNÁNDEZ-DELGADO

MOVIE (40')

"Fear and Fishing in Lake Davis" by Univ. California, Davis (2005)

DEBATE: Options for control and irradication of invasive species

Auditório Quintanilha (Level 0)

14:30-16:30 ORAL SESSION. 0.4 **Fish movement and swimming performance**

Chairman: Fernando COBO

0.4:1 - Movements of native cyprinids in an upstream weir-fragmented stream

Paulo BRANCO, Susana D. AMARAL, Teresa FERREIRA & José M. SANTOS

0.4:2 - Seasonal movements, home range extension and micro-habitat use of the Iberian barbel under natural and regulated flow conditions

Tiago Filipe NEVES, Carlos Manuel ALEXANDRE, José Lino COSTA, Pedro Raposo de ALMEIDA & Bernardo Ruivo QUINTELLA

0.4:3 - Streamflow variability as a driver of the swimming performance and eco-morphology of a Mediterranean cyprinid species

Carlos Manuel ALEXANDRE, Bernardo Ruivo QUINTELLA, Ana Filipa FERREIRA & Pedro Raposo de ALMEIDA

0.4:4 - Volitionally swimming performance of Iberian fish: Determination and Applications

Francisco-Javier SANZ-RONDA, Jorge RUÍZ-LEGAZPI, Francisco-Javier BRAVO-CÓRDOBA, Theodore CASTRO-SANTOS & Sergio MAKRAKIS

0.4:5 - Study of Iberian nase, *Pseudochondrostoma polylepis* (Steindachner, 1864), movements, behaviour and fatigue in a vertical-slot fishway

Felipe MORCILLO, Miriam CASTILLO, Diego GARCÍA DE JALÓN, Fernando TORRENT & Carlos ALONSO

0.4:6 - Dorsal Fin Function in Centrarchids: biomechanics as a tool for management

Anabela MAIA

Sala Cyrillo Soares (Level 1)

16:30-17:00 Coffee-break

Auditório Valadares (Level 1)

17:00-18:00 ORAL SESSION. 0.5 **Assessment of ecological water quality**

Chairman: Lluis BENEJAM

0.5:1 - The Ecological Water Quality in Small Hydroelectric Projects. Importance of natural and anthropogenic dynamics of the river basin in the adequacy of monitoring programs

Daniel OLIVEIRA, Nuno FORMIGO, Ana GUIMARÃES & Hugo FLÁVIO

0.5:2 - Comparative analysis of two fish indices: application to the Sado river basin

Francisco GODINHO, João OLIVEIRA & Paulo PINHEIRO

0.5:3 - Definition and characterization of reference fish communities and fish-based quality index as an environmental impact assessment tool

David DA FONTE & Nuno FORMIGO

**0.5:4 - Fish as indicators of ecological status in Mediterranean island streams:
Insights from Cyprus**

Pedro SEGURADO, Stamatis ZOGARIS, Yorgos CHATZINIKOLAOU & Maria Teresa FERREIRA

0.5:5 - Water Quality Monitoring of Rivers and Reservoirs with Light Autonomous Underwater Vehicles (LAUV)

Daniel OLIVEIRA, Ana GUIMARÃES, Luís MADUREIRA, Alexandre SOUSA & Nuno FORMIGO

Auditório Quintanilha (Level 0)

17:00-18:00 **ORAL SESSION. 0.6 Climate change effects on estuarine and costal fish communities**
Chairman: Henrique CABRAL

0.6:1 - Responses of estuarine fish assemblages to climate variations

Filipe MARTINHO, Dániel NYITRALI, Marina DOLBETH, Joana BAPTISTA & Miguel A. PARDAL

0.6:2 - Climate change effects on estuarine and coastal fish

Catarina VINAGRE

0.6:3 - Effects of Ocean acidification in coastal fishes

Rui ROSA

Auditório Quintanilha (Level 0)

18:00 a 18:30 **MOVIE**
“Desert fish” by Javier ESQUÍVIAS (2014)

18:30 a 20:00 **POSTER SESSION**
Corredor da Radioquímica (Level 1)

21:00 **CONGRESS DINNER at Zambeze Restaurant**

Thursday, 26 June

8:30-9:00 Arrival & Registration at the Congress site
Congress Secretariat, Sala Cyrillo Soares (Level 1)

Amphiteatro Chimico (Level 0)

9:00-10:00 **PLENARY SESSION**
Illustrating Fish
Pedro SALGADO & Claudia BAETA

Auditório Valadares (Level 1)

10:00-11:00 **ORAL SESSION. 0-7 Freshwater fish communities: structure and functioning**
Chairman: Felipe MORCILLO
0.7:1 - Microhabitat preferences of Mediterranean barbel (*Barbus meridionalis*) in mediterranean streams, NE Spain
Lluís ZAMORA, Jordi-René MORR, Anna COSTARROSA & Maria Misericordia BALANA

0.7:2 - Distribution and composition of freshwater fish and mussel communities of Sabor and Tua rivers (Douro basin): Main threats and conservation measures

Amílcar TEIXEIRA, Simone VARANDAS, Ronaldo SOUSA, Elsa FROUFE, Mariana HINZMANN & Manuel LOPES-LIMA

0.7:3 - Monitoring reproduction activity and larvae distribution of *Petromyzon marinus* and *Lampetra planeri* in northern basins of Navarra

Pedro M. LEUNDA & José ARDAIZ

0.7:4 - Extended spawning in brown trout (*Salmo trutta*) populations from Southern Iberian Peninsula: the role of unpredictability and temperature

José Enrique LARIOS-LÓPEZ, José Manuel TIERNO DE FIGUEROA, Miguel GALIANA-GARCÍA, Javier GORTÁZAR & Carlos ALONSO

Auditório Quintanilha (Level 0)

10:00-11:00 ORAL SESSION. 0.8 **Freshwater fish communities: evaluation tools and methods**
Chairman: Miguel CLAVERO

0.8:1 - Freshwater fishes - victims of their own success

Carlos GRANADO-LORENCIO, Patricia PELAYO-VILLAMIL, Castor GUISANDE, Richard VARI, Ana MANJARRÉS, Emilio GARCIA-ROSELLO, Jacinto GONZÁLEZ DACOSTA, Jürgen HEINE, Luis GONZÁLEZ-VILAS, Bernardo PATTI, Luz JIMENEZ, Pablo TEDESCO & Jorge LOBO

0.8:2 - Conservation planning of freshwater biodiversity using coarse datasets: how much current protected areas in Iberian Peninsula protect freshwater biodiversity?

Ana Filipa FILIPE, Virgílio HERMOSO, Pedro SEGURADO & Pedro BEJA

0.8:3 - Using graph theory to connect the dots in fragmented rivers

Paulo BRANCO, Pedro SEGURADO, José M. SANTOS & Teresa FERREIRA

0.8:4 - Distribution modelling of freshwater fish using time to first detection

Mário FERREIRA, Ana Filipa FILIPE, Maria Filomena MAGALHÃES & Pedro BEJA

Sala Cyrillo Soares (Level 1)

11:00-11:30 Coffee-break

Auditório Valadares (Level 1)

11:30-13:00 ORAL SESSION. 0.9 **Management and Conservation of freshwater fish**
Chairman: José Maria SANTOS

0.9:1 - Best management practices mitigate the effects of certified eucalyptus plantations on Mediterranean streams

João OLIVEIRA, Fátima FERNANDES, Pedro SERAFIM & Teresa FERREIRA

0.9:2 - River ecosystems and fish biodiversity of the Manu Biosphere Reserve, Perú: implications of knowledge in the conservation and management

Ibon TOBES, Rafael MIRANDA, Andrea PINO-DEL-CARPIO, Julio M. ARAUJO-FLORES & Hernan ORTEGA

0.9:3 - Fishes of the Cusiana river, middle basin, department of Casanare: contribution to the identification of Savannas of High Conservation Value in the Orinoco basin in Colombia

Francisco A.VILLA-NAVARRO, Juan G. ALBORNOZ, Cristian C. CONDE SALDAÑA, Pamela T. ZUÑIGA-UPEGUI, Sofía RINCÓN, Cesar SUAREZ & José S. USMA OVIEDO

0.9:4 - Recolonization process and fish assemblage dynamics in the Guadiamar River (SW Spain) after the Aznalcóllar mine toxic spill

Ramón José DE MIGUEL RUBIO, Lucía GÁLVEZ BRAVO, Francisco José OLIVA PATERNA, Luis CAYUELA DELGADO & Carlos FERNÁNDEZ DELGADO

0.9:5 - Effects of land use on size-related variables of freshwater fish in Uruguay

Lluís BENEJAM, Franco TEIXEIRA-DE MELLO, Mariana MEERHOFF & Sandra BRUCET

0.9:6 - The Vez river - Planning and Sustainable Management of the Fish Species (*Salmo trutta*)

Sandra VIEIRA & António Moitinho RODRIGUES

Auditório Quintanilha (Level 0)

11:30-13:00 ORAL SESSION. 0.10 **Freshwater fish communities: structure and functioning**

Chairman: Luís ZAMORA

0.10:1 - Fishes in Moroccan desert rivers: the dry extreme of mediterraneity

Miguel CLAVERO, Javier ESQUIVIAS, María RIESCO, Abdeljebar QNINBA, Javier CALZADA, Filipe RIBEIRO & Miguel DELIBES

0.10:2 - Population structure and gene flow in desert environments: an application of molecular tools to isolated fish populations in West Africa

Jolita DILYTYČIENĖ, Stephen SABATINO, Raquel GODINHO, José Carlos BRITO & Paulo ALEXANDRINO

0.10:3 - A metacommunity structure for stream fishes in the upper Paraná River basin

Mauricio CETRA, Miguel Petrere JÚNIOR & Walter BARRELLA

0.10:4 - Interactive effects of habitat quality and connectivity on Mediterranean stream fish after the summer drought

Daniel Filipe PIRES, Ana Filipa FILIPE, Pedro BEJA & Maria Filomena MAGALHÃES

0.10:5 - Evolution of fish assemblages in the downstream sector of the Tua river basin

Paulo PINHEIRO, Francisco GODINHO, João PÁDUA, João OLIVEIRA & Liliana BENITES

0.10:6 - Headwater capture and phylogenetic structure of stream fish assemblages in central Brazil

Pedro Podestà Uchôa AQUINO & Guarino Rinaldi COLLI

0.10:7 – Composition of the fish community of San Pedro river, Tabasco, México

Alfonso CASTILLO-DOMÍNGUEZ, Carolina E Melgar VALDES, Everardo Barba MACÍAS, Rocío RODILES-HERNÁNDEZ, Alberto de Jesús NAVARRETE, Martha Perera GARCÍA, Carlos A Cuenca SORIA & Raúl E Hernández GÓMEZ

Jardineta (Claustro) (Level 0)

13:00-14:30 Lunch

Amphiteatro Chimico (Level 0)

14.30-15:30 PLENARY SESSION

Endangered sawfish and deep-sea sixgills: using modern telemetry to study very large elasmobranch fishes

Dean GRUBBS

Auditório Valadares (Level 1)

15:30-16:30 ORAL SESSION. 0-11 [Sharks and rays in the North-eastern Atlantic](#)

Chairman: Dean GRUBBS

0.11:1

Portuguese commercial elasmobranch landings (1986-2006)

João CORREIA

0.11:2 - Deep-sea Chondrichthyes of the Macaronesian Islands (NE Atlantic Ocean)

Mafalda FREITAS, Manuel BISCOITO, José I. SANTANA, José A. GONZÁLEZ, Raül TRIAY-PORTELLA, Eduardo ISIDRO, Ricardo SOUSA, João DELGADO, Albertino MARTINS & Consortium MARPROF-CV

0.11:3

Eating the neighbours: importance of small sharks in the diet of the rare deep-sea shark *Dalatias licha*

Joan NAVARRO, Marta COLL, Claudio BARRIA, Lourdes LÓPEZ & Raquel SÁEZ

0.11:4

Feeding ecology and ecological role of rare elasmobranch species in the western Mediterranean Sea

Claudio BARRÍA, Marta COLL, Joan NAVARRO, Adrián CORRAL, Ana COLMENERO & Raquel SAEZ

Auditório Quintanilha (Level 0)

15:30-16:30 ORAL SESSION. 0-12 [Non-natives fishes: Impacts](#)

Chairman: Sehran TARKAN

0.12:1 - Freshwater Blenny (*Salaria fluviatilis*) conservation in Lake Banyoles: actions to improve its habitat and predation impact of exotic fish

Quim POU-ROVIRA, Miquel CAMPOS LLACH, Irene CAMÓS PLANA & Carles FEO QUER

0.12:2 - Food resource use and overlap between non-native fishes in Mediterranean-type streams

Christos GKENAS, Filipe RIBEIRO, Nazaret CAMPOS MARTÍN, Fatma KUBRA-ERBAY, Rafael ORJUELA, Julien CUCHEROUSSET & Maria Filomena MAGALHÃES

0.12:3 - What impact of invasive round goby *Neogobius melanostomus* and bighead goby *Neogobius kessleri* on native fishes and macroinvertebrates can be expected from their feeding ecology in the Middle Danube (and elsewhere)

Barbora ŠTEVOVE & Vladimír KOVÁC

0.12:4 - Interactions between the invasive signal crayfish *Pacifastacus leniusculus* and the native fish populations in the north of the Iberian Peninsula

Iván VEDIA, Rafael Miranda, Javier Oscoz & Enrique Baquero

Sala Cyrillo Soares (Level 1)

16:30-17:00 Coffee-break

Auditório Valadares (Level 1)

17:00-18:00 ORAL SESSION. 0-13 **Sharks biodiversity and population dynamics**

Chairman: Anabel PERDICES

0.13:1 - Biodiversity of dogfishes (genus *Squalus*) in the eastern Atlantic and Mediterranean Sea – a molecular perspective

Ana VERÍSSIMO, Andrew M. GRIFFITHS, Diana ZAERA-PEREZ, Rob LESLIE, Samuel IGLÉSIAS, Bernard SÉRET, Panagiotis GRIGORIOU, Chrysoula GUBILI & Joan NAVARRO

0.13:2 - Population structure of the hammerhead shark, *Sphyrna zygaena* in the Atlantic and Indian Oceans, analyzed by mitochondrial DNA

Bruno Alexandre DE FRANCO, Claudio OLIVEIRA, Fausto FORESTI, Miguel SANTOS, Rui COELHO & Fernando Fernandes MENDONÇA

0.13:3 - Does Population Structure Match Variation in Life History Traits in a Model Shark Species, *Scylorhinus canicula* (Linnaeus 1758)?

Pedro CARDOSO, Andrew GRIFFITHS & Ana VERÍSSIMO

Auditório Quintanilha (Level 0)

17:00-18:00 ORAL SESSION. 0-14 **Non-native fishes: life-history variability**

Chairman: Lukas KALOUS

0.14:1 - Population traits of invasive bleak *Alburnus alburnus* between contrasting habitats in Iberian fresh waters

Rodrigo MARTÍNEZ-SASTRE, Carlos RANGEL, Eduardo DA SILVA, David H. FLETCHER & David ALMEIDA

0.14:2 - Relative Abundance and Growth Properties of Fishes Living in Büyüçekmece Reservoir (İstanbul, Turkey) in Existence of Exotic *Carassius gibelio* (Bloch, 1782)

Gülşah SAÇ, Hacer OKGERMAN & Elif Ece SEREZLİ

0.14:3 - Physiological potential for the invasive freshwater cichlid *Australoheros facetus* to inhabit brackish waters of the Guadiana river basin (Southern Iberian Peninsula)

Flávia Baduy Vaz da SILVA, João Luís SARAIVA, Adelino V.M. CANÁRIO & Pedro Miguel GUERREIRO

0.14:4 - Variations in reproductive parameters of an invasive population of topmouth gudgeon (*Pseudorasbora parva*) over time

Kristína ŠVOLÍKOVÁ, Eva ZÁHORSKÁ & Vladimír KOVÁC

Auditório Valadares (Level 1)

18:00-20:00 SIBIC General Assembly

Friday, 27 June

8:30-9:00 Arrival & Registration at the Congress site
Congress Secretariat, Sala Cyrillo Soares (Level 1)

Amphiteatro Chimico (Level 0)

9:00-10:00

PLENARY SESSION

Coastal fish assemblages: research challenges and societal needs in the European context

Henrique CABRAL

Auditório Valadares (Level 1)

10:00-11:00

ORAL SESSION. 0.15 **Coastal fish connectivity and stock identification**

Chairman: Filipe MARTINHO

0.15:1 - Discrimination of *Trachurus picturatus* stocks in the central and north-east Atlantic using otolith elemental and isotopic analyses

Alberto Pereira CAEIRO, Alcides SIAL, Cláudia MOREIRA, Elsa FROUFE & Alberto Teodorico CORREIA

0.15:2 - Habitat residency and movement patterns of *Centropomus parallelus* in a Brazilian subtropical estuarine complex determined by otolith microchemistry (Sr:Ca ratios) and microstructure (daily increments) analysis

Felippe Alexandre DAROS, Henry Louis SPACH & **Alberto Teodorico CORREIA**

0.15:3 - Using genetic markers to study marine fish connectivity in the Iberian Atlantic Coast

Maria Ana ABOIM, Susanne TANNER, Patrick REIS-SANTOS & Henrique CABRAL

0.15:4 - *Gaidropsarus* (Gadidae, Teleostei) of the North Atlantic: a brief phylogenetic review

Sara M. FRANCISCO, Joana I. ROBALO, Sergio STEFANNI, **André LEVY & Vítor C. ALMADA**

Auditório Quintanilha (Level 0)

10:00-11:00

ORAL SESSION. 0.16 **Management and Conservation: Data bases and projects**

Chairman: Carlos FERNANDEZ-DELGADO

0.16:1 - Update of the National Inventory of ichthyological biodiversity and development and implementation of the Spanish Fish database: a collaborative project led by SIBIC

Andrea PINO-DEL-CARPIO, Filipe RIBEIRO, Carla F. Q. MAIA, Francisco J. OLIVA-PATERNA, Carlos FERNÁNDEZ-DELGADO, Lluis ZAMORA, Frederic CASALS, Bernardo QUINTELLA, Pedro M. LEUNDA, Mar TORRALVA, Gustavo GONZÁLEZ & Rafael MIRANDA

0.16:2 - LIFE Segura-Riverlink: an implementation of a green infrastructure approach to recover the longitudinal connectivity in a highly fragmented river basin

Francisco J. OLIVA-PATERNA, Mar TORRALVA, David VERDIELL-CUBEDO, Ana RUIZ-NAVARRO, Fatima AMAT-TRIGO, Jorge SÁNCHEZ-BALIBREA, F. Javier SANZ-RONDA, Justo GARCÍA-RODRÍGUEZ, Rosa OLIVO, César AVILÉS & Eduardo LAFUENTE

0.16:3 - Rehabilitation of River Mondego for the diadromous fish: An integrated management approach

Pedro Raposo de ALMEIDA, Isabel DOMINGOS, José Lino COSTA, Catarina MATEUS, Carlos ALEXANDRE, Ana Filipa FERREIRA, Gabriela CARDOSO, Pedro FÉLIX, Esmeralda

PEREIRA, Tiago NEVES, Ricardo BRANCA, Ana Filipa BELO, Felisbina QUADRADO, João FERREIRA, Ana TELHADO & Bernardo Ruivo QUINTELLA.

0.16:4 - Citizen Science as a tool to obtain fish data records and public outreach: The Biodiversity4All project

Patricia TIAGO, Filipe RIBEIRO, Luis FERREIRA & Marcel DIX

Sala Cyrillo Soares (Level 1)

11:00-11:30 Coffee-break

Auditório Valadares (Level 1)

11:30-13:00 ORAL SESSION. 0.17 **Coastal fish communities: structure and functioning**

Chairman: Maria José COSTA

0.17:1 - Trophic dynamics of the pelagic ecosystem in the North-Western Mediterranean Sea using stable isotope analysis

Marta ALBO-PUIGSERVER, Joan NAVARRO, Marta COLL, Craig A. LAYMAN & Isabel PALOMERA

0.17:2 - The Cape Verdean coastal ichthyofauna: a summary and remarks on endemism

Rui FREITAS

0.17:3 - The Lusitanian Toadfish as biomonitor of estuarine sediment metal burden: the influence of gender and reproductive metabolism

Sílvia PEDRO, Bernardo DUARTE, Nuno CASTRO, Isabel CAÇADOR, Pedro Raposo de ALMEIDA & José Lino COSTA

0.17:4 - Increase of parasitism in the genus *Lophius* from the NW Mediterranean Sea and the effects in its morphology: searching for answers

Ana COLMENERO, Claudio BARRÍA, Víctor TUSET & Pilar SÁNCHEZ

0.17:5 - AQUAGAMETE COST Action. Resume of the first grant period (March 2013 - May 2014)

M.J. BAYARRI, Ákos HORVATH & Juan F. ASTURIANO

Auditório Quintanilha (Level 0)

11:30-13:00 ORAL SESSION. 0.18 **The population status of *Anguilla anguilla* L.: Management and conservation options**

Chairman: Isabel DOMINGOS

0.18:1 - Where the eel was: using historical data to describe the original range of a collapsing species

Miguel CLAVERO & Virgilio HERMOSO

0.18:2 - Prevalence and intensity of *Anguillicoloides crassus* and its effect on European eel condition in Mediterranean rivers (NE Spain)

Lluís ZAMORA & Anna COSTARROSA

0.18:3 - Movements of yellow eels (*Anguilla anguilla* L.) migrating through a fish lift

José M. SANTOS, João M. OLIVEIRA, Rui RIVAES, Raul ARENAS, Teresa FERREIRA, Ulisses CABRAL & João PÁDUA

0.18:4 - Silver eel migration by telemetry, mortality and corrective measures adoption in a hydroelectric power station in Urola river
Iker AZPIROZ, Mikel LIZASO & Darío YÉCORA

0.18:5 - How could we reinforce the eel population in the Oria (Basque Country)?
Estíbaliz DÍAZ, Aizkorri ARANBURU & Iker AZPIROZ

0.18:6 - Glass eel recruitment dynamics in a southern Europe estuary (Oria, Spain), 2003-2012
Aizkorri ARANBURU, Estíbaliz DÍAZ & Cédric BRIAND

Jardineta (Claustro) (Level 0)

13:00-14:30 Lunch

Auditório Valadares (Level 1)

14:30-16:30 ORAL SESSION. 0.19 **Sistematics, zoogeography and population genetics**
Chairman: Maria João COLLARES-PEREIRA

0.19:1 - Spatial distribution of molecular lineages of the Iberian cobitids
Anabel PERDICES, Ignacio DOADRIO, Ana Rita AMARAL & Manuela COELHO

0.19:2 - Divergence-dependent reproductive isolation and semi-permeable species boundaries in Iberian *Barbus* and *Luciobarbus* (Teleostei, Cyprinidae)
Hugo F. GANTE, Ignacio DOADRIO, Maria Judite ALVES & Thomas E. DOWLING

0.19:3 - Using morphological characters, genetic markers and heart fatty acid signature profiles to investigate the population structure of sea lamprey (*Petromyzon marinus*, L.) in western Iberian Peninsula
Catarina Sofia MATEUS, Maria João LANÇA, Maria MACHADO, Maria Judite ALVES, Natacha MESQUITA, Bernardo Ruivo QUINTELLA & Pedro Raposo de ALMEIDA

0.19:4 - Tackling hybridization in fish populations: the significance of multidisciplinary approaches
Carla S. A. PEREIRA, Maria Ana ABOIM, Petr RAB & Maria João COLLARES-PEREIRA

0.19:5 - Genome-wide estimates of inbreeding and population structure in wild populations of Atlantic salmon in Spain
Lara COVELO-SOTO, Paloma MORÁN & María SAURA

0.19:6 - Chromosome study in localities of *P. mexicana* and *P. sulphuraria* in Tabasco and Chiapas, Mexico
Alain Lois D'ARTOLA-BARCELÓ, Lenin ARIAS-RODRIGUEZ & Salomon PARAMO-DELGADILLO

0.19:7 - Evolutionary history and population genetics of a cyprinid fish (*Iberochondrostoma olisiponensis*) endangered by introgression from a more abundant relative
Carla SOUSA-SANTOS, Hugo F. GANTE, Joana ROBALO, Pedro PROENÇA CUNHA, António MARTINS, Marco ARRUDA, Maria Judite ALVES & Vítor ALMADA

Auditório Quintanilha (Level 0)

14:30-15:30 ORAL SESSION. 0.20 **The population status of *Anguilla anguilla* L.: Management and conservation options**

Chairman: Estibali DIAZ

0.20:1 - Cryopreserving European eel (*A. anguilla*) sperm: comparison of two methods for standardization

Maria C. VÍLCHEZ, Marina MORINI, David S. PEÑARANDA, Luz PÉREZ, Alexandra DEPINCÉ, Eszter KÁSA, Catherine LABBÉ, Ákos HORVATH & Juan F. ASTURIANO

0.20:2 - River Minho vs. other Portuguese streams - When the darkness supports eel conservation

Carlos ANTUNES, Catarina BRAGA & Mário Jorge ARAÚJO

0.20:3 - Can coastal lagoons contribute to the recovery of the European eel stock?

The case of Santo André Lagoon (SW Portugal)

Isabel DOMINGOS, Vera LOPES & José Lino COSTA

0.20:4 - The eel fishery in Santo André Lagoon: can science mediate the conflict between exploitation and conservation?

José Lino COSTA, Vera LOPES & Isabel DOMINGOS

15:30 a 16:30 **DEBATE: Eel management plans - difficulties and challenges**

Amphiteatro Chimico (Level 0)

16:30-17:30 CONGRESS CLOSING CEREMONY

17:30-20:00 V.1

VISIT TO THE OCEANARIUM

Organizers: Catarina Mateus (IO)

Please send an email to confirm your presence to: sibic2014@museus.ul.pt

Saturday, 28 June

10:00 V.2

VISIT TO THE EXPERIMENTAL FISH PASSAGE MODEL AT THE NATIONAL LABORATORY OF CIVIL ENGINEERIN (L.N.E.C.) – FISHMOVE PROJECT

Organizadores: Teresa VISEU (LNEC), José Maria SANTOS (ISA)

Visit conditioned to a maximum of 40 participants

Please send an email to confirm your presence to: jmsantos@isa.ulisboa.pt

10:00 V.3

GUIDED VISIT TO THE EX-SITU CONSERVATION FACILITIES AT THE VASCO DA GAMA'S AQUARIUM

Organizadores: Fátima GIL (AVG), Carla SOUSA-SANTOS (ISPA)

Visit conditioned to a maximum of 15 participants

Please send an email to confirm your presence to: avg.aqua@marinha.pt,
csousasantos@gmail.com

292 *L. budegassa* were examined from commercial catches along the northwestern Mediterranean Sea during 2013, and the results were compared with previous studies. The prevalence (a quantitative descriptor of parasite population) of *S. lophii* was calculated for black anglerfish with a result of 69.18%. An increase of the 58.12% in the prevalence of *S. lophii* in *L. budegassa* was observed since 1996. The consequences of this invasive process in the populations and in the fishing activity are up to date unknown.

O.17:5

AQUAGAMETE COST ACTION. RESUME OF THE FIRST GRANT PERIOD (MARCH 2013 – MAY 2014)

M.J. BAYARRI¹, Ákos HORVATH² & Juan F. ASTURIANO¹

¹Grupo de Acuicultura y Biodiversidad. Instituto de Ciencia y Tecnología Animal. Universitat Politècnica de València, Camino de Vera s/n. Edificio 7G, 46022, Valencia (Spain) (jfastu@dca.upv.es); ²Department of Aquaculture, Szent István University, Páter Károly u. 1., H-2100 Gödöllő, Hungary

AQUAGAMETE (<http://aquagamete.webs.upv.es/>) is the acronym of a 4-year COST Action in the domain of Food and Agriculture, entitled "Assessing and improving the quality of aquatic animal gametes to enhance aquatic resources - The need to harmonize and standardize evolving methodologies, and improve transfer from academia to industry" (FA1205).

The origin of this Action was the series of the biennial *International Workshops on the Biology of Fish Gametes* that were organized during the past 7 years. In these meetings, a rapid development of methodologies that encompass extensive opportunities for promising use in basic reproductive biology, genetic research, biotechnology and aquaculture practice was demonstrated. All of these can have far-reaching consequences on conservation of endangered species, assessment of anthropogenic and climatic impacts on aquatic species and application in aquaculture, as well as in fisheries management. In particular, it has been recognized that there are many highly diverting details in the practical application of these new methods among scientists and laboratories, which can cause highly variable if not contradicting results, even using the same species. There is an urgent need towards a universal scale to assess both the precise state of sexual maturation and related life history traits in teleost fish and other commercially important invertebrates used in either bioassays or aquaculture. The aim of the proposed AQUAGAMETE is to reach a consensus on protocols and guidelines that permit the use of results in relational databanks for sound and common application in aquaculture research and commerce.

Having started by March 2013 with 18 participant countries, one year after this number has increased to 26. During the first grant period, a budget of 181.000 € was distributed among the different activities of the Action, as a Training School entitled "Techniques for fish germline cryobanking" (Cádiz, Spain, May 2013), our first Management Committee meeting (Albufeira, Portugal, September 2013), or the *4th International Workshop on the Biology of Fish Gametes* (Albufeira, September 2013), which had the highest number of participants recorded in this series of workshops (118 persons from 24 countries, who presented 107 communications). AQUAGAMETE supported the organization of this workshop and covered the travelling and subsistence expenses of the members of the Management Committee (41 persons), 24 students and 2 invited speakers. Finally, a total of 31 Short Term Scientific Missions (stays in foreign laboratories) will be funded during this period.

Acknowledgements: Funded by the COST Office (COST Action FA1205: AQUAGAMETE).