

[COMMITTEES](#) [PROGRAM](#) [SPEAKERS](#) [VENUE](#) [ACCOMODATIONS](#)

[REGISTRATION](#) [SUBMISSIONS](#) [BLOG](#)

7-11 SETEMBER 2015 / POI



ANNOUNCEMENT

The XV European Congress of Ichthyology (ECIXV) will be organized by the Interdisciplinary Centre of Marine and Environmental Research (CIIMAR) and will take place in Porto, Portugal, from 7th to 11st September 2015

[*Learn More*](#)

THE CONGRESS

The congress will focus on fish as a subject of research in several biological sciences, giving particular emphasis to the historically areas covered by ECI events.

[*Program*](#)

THEMATIC PROGRAM

- Phylogeny, Systematic and Genetics
- Ecology, Conservation and Invasive Species
- Life Cycles, Migration and Connectivity
- Physiology, Behavior and Toxicology

SPECIAL SYMPOSIA

- Otoliths as a powerful tool to study fishes

OUR LATEST POSTS

SUBSCRIBE FOR ECIXV UPDATES

Please fill your email

SUBSCRIBE

SPEAKERS

FINAL PROGRAM AVAILABLE

Program draft

Monday 07

Tuesday 08

Wednesday 09

Thursday 10

Friday 11



08:00 - 09:00

REGISTRATION



09:30 - 10:00

OPENING SESSION



10:00 - 11:00

PLENARY SESSION



IPANEMA ROOM



JEFFREY LEIS

More than archetypal coral-reef fishes: Revision and relationships of the Acanthuroidei based on adult and larval morphology.



11:00 - 11:30

COFFEE-BREAK



11:30 - 13:00

PHYLOGENY, SYSTEMATICS AND GENETICS



IPANEMA ROOM

Chair: Ivana Buj **11:30** - Rediscovery of *Knipowitschia goerneri* (Actinopterygii: Gobiidae) and its phylogenetic relationships with other European northern Mediterranean *Knipowitschia* species (from by J Vukić). **11:45** - Genetic Background and Population Genetics of Hungarian Brown Trout Populations

Using PCR-RFLP and Microsatellite Markers (from Ósz et al.).
12:00 - What mitogenomics brings for Antarctic fish systematics and evolution (from Dettai et al.). **12:15** - The diversity of chromosome structure of males in Cobitis (Teleostei, Cobitidae) populations (from Boron et al.). **12:30** - Species Identification through Preference-enriched Faceted Search: Increasing the number of identification tools in FishBase (from Bailly et al.). **12:45** - A morphological study on the African genus Micralestes (Characidae) (from Bianco).

🕒 11:30 - 13:0

📍 PORTO ROOM

ECOLOGY, CONSERVATION AND INVASIVE SPECIES

Chair: Jorge Gonçalves

11:30 - Accounting for detectability in fish distribution models: an approach based on time-to-first-detection (from Ferreira et al.).

11:45 - Marine Stewardship Council certification of fisheries in Russia: a current status and prospects (from Lajus et al.).

12:00 - Changes in the fish community structure after the implementation of Marine Protected Areas in the south western coast of Portugal (from Pereira et al.).

12:15 - Isotopic niches of deep-sea fishes from Rockall Trough (NE Atlantic) (from Vieira et al.)

12:30 - In situ Observations from ROVs Provide Rare Insights on Distributions, Habitats and Behavior of Flatfishes (Teleostei: Pleuronectiformes) in Submarine Canyons on the Upper Continental Slope off the Eastern United States (from Munroe et al.)

12:45 - Northeast arctic cod stock and fishery dynamics (from Bulatov O).

🕒 12:30 - 14:00

LUNCH

🕒 14:30 - 16:00

📍 IPANEMA ROOM

PHYSIOLOGY, BEHAVIOR AND TOXICOLOGY

Chair: Agostinho Antunes

14:30 - Phylogeography of *Labrus bergylta* (Pisces: Labridae) in the north-eastern Atlantic (from Almada et al.).

14:45 - Neglected taxa, morphology and molecules: recent advances in systematics of gobioid fishes (Teleostei, Gobioidei) (from Rüber & Schliewen).

15:00 - Dynamics of *Rex3* in the genomes of endangered Iberian Leuciscinae (Teleostei, Cyprinidae) and their natural hybrids (from Pereira et al.).

15:15 - Genetic diversity of contemporary populations of *Salmo trutta* L. in the basin of the River Neretva, Bosnia and Herzegovina (from Kalamujić et al.).

15:30 - RAPD-PCR – still a suitable Method for Genetically Underexplored Species? (from Behrmann et al.).

15:45 - Phylogeny of European Bullhead (*Cottus* sp.) in Western Balkans (from Bravničar et al.).

🕒 14:30 - 16:00

📍 PORTO ROOM

ECOLOGY, CONSERVATION AND INVASIVE SPECIES

Chair: Joerg Bohlen

14:30 - Feeding activity and diet composition of round goby (*Neogobius melanostomus*, Pallas 1814) in the coastal waters of SE Baltic Sea (from Skabeikis & Lesutienė).

14:45 - Spatial and temporal (1963-2012) variability of ichthyofauna in the large lowland Warta River, Poland (from Kruk et al.).

15:00 - Spatial and temporal variation in fish community of the Ria de Aveiro estuarine lagoon (Portugal) (from García-Seoane et al.).

15:15 - Individual variation in habitat use in two stream fish assemblages (from Manna et al.).

15:30 - Diversity of fish trophic guilds in estuaries: implications on ecological interpretations of community structure and functioning (from Pasquaud et al.).

15:45 - Seasonal variability of morphospaces in a subtropical fish assemblage (from Siliprandi et al.).

🕒 16:00 - 16:30

COFFEE - BREAK

🕒 16:30 - 17:30

POSTER SESSION: ECOLOGY, CONSERVATION AND INVASIVE SPECIES

🕒 17:30 - 18:30

WELCOME COCKTAIL

On Monday, September 7th, a welcome cocktail will be offered to all registrants from 07.00 pm till 09.00 pm in the congress venue (Hotel Ipanema). All participants will enjoy some...



VENUE

HOTEL HF IPANEMA PARK, PORTO, PORTUGAL

📍 Rua de Serralves, 124, 4150 - 702 Porto, Portugal

[Check For Accommodations Here](#)

+351 225 322 121

ORGANIZERS



É da lota. É de confiança.



CIIMAR

CIIMAR - Interdisciplinary Centre of Marine and Environmental Research - is a research and advanced training institution hosted by the University of Porto.

SCHEDULE

Registration & Abstract Submission: **16 February 2015**
Abstract Deadline Submission: **30 April 2015**
Abstract Acceptance: **31 May 2015**
Early Registration Deadline: **15 June 2015**
Late Registration

YOUNG STUDENT AWARDS

PhD students will have the opportunity to compete for awards for best oral and poster presentations.

REGISTRATION

Online registrations closed! If you have questions about your registration, please contact us:

CONTACT!



Deadline:
30 June 2015

© 2015 Copyright CIIMAR All rights reserved - Website by: Glitz Design

[COMMITTEES](#) [PROGRAM](#) [SPEAKERS](#) [VENUE](#) [ACCOMODATIONS](#)

[REGISTRATION](#) [SUBMISSIONS](#) [BLOG](#)

FULL PROGRAM


Monday 07

Tuesday 08


Wednesday 09

Thursday 10

Friday 11

 08:00 - 09:00

REGISTRATION

 09:00 - 10:00

PLENARY SESSION

 IPANEMA ROOM

Early life history and habitat ecology of estuarine fishes



KENNETH ABLE



🕒 10:00 - 11:00

ECOLOGY, CONSERVATION AND INVASIVE SPECIES

📍 IPANEMA ROOM

Chair: Christer Brönmark

10:00 - Application of European Fish Index for assessment of ecological status of waterways in the river Sava in Bosnia and Herzegovina (From Djug et al.).

10:15 - Native and alien ichthyofauna in coastal fishery of Rhodes (eastern Mediterranean) (2002-2010) (from Corsini-Foka & Kondylatos).

10:30 - The effect of the Messinian Salinity Crisis on the distribution of small pelagic fish in the Mediterranean Sea (from Agiadi).

10:45 - The current status of the Adriatic sea fish biodiversity (from Dulčić & Lipej).

🕒 10:00 - 11:00

LIFE CYCLES, MIGRATION AND CONNECTIVITY

📍 PORTO ROOM

Chair: Rita Vasconcelo

10:00 - Variability in connectivity patterns of fish with ontogenetic migrations: modelling effects of abiotic and biotic factors (from Tanner et al.).

10:15 - Coupling natural tags to assess connectivity patterns and population structure of fish species with ontogenetic migrations (from Reis-Santos et al.).

10:30 - Movement patterns of Mediterranean moray and European conger in a coastal MPA (from Silva et al.).

10:45 - Upstream migration, reproduction and fishery of sea lamprey (*Petromyzon marinus* Linnaeus, 1758) in the River Ulla (NW Spain) (from Silva et al.).

🕒 11:00 - 11:30

COFFEE-BREAK

🕒 11:30 - 12:30

ECOLOGY, CONSERVATION AND INVASIVE SPECIES

📍 IPANEMA ROOM

Chair: Miguel Clavero

11:30 - Biodiversity and Conservation Status of Fishes of Ceyhan River Basin in Osmaniye, Turkey (from Dağlı).

11:45 - Marine fish diversity and habitat use along the western coast of the Black Sea (from Gavril).

12:00 - Meagre escapees: consequences of a local-absent farmed species in the W-Mediterranean (from Arechavala-Lopez & Sanchez-Jerez).

12:15 - Use of inundated lakeshore vegetation by Cichlids for reproduction in Lake Kinneret (Israel) (from Cummings et al.).

🕒 11:30 - 12:30

LIFE CYCLES, MIGRATION AND CONNECTIVITY

📍 PORTO ROOM

Chair: João Coimbra

11:30 - Costs and benefits of seasonal migration in cyprinid fish (from Brönmark et al.).

11:45 - Roach partial migration – predation, personality and propensity (from Nilsson et al.).

12:00 - Shape up or ship out: migratory behaviour predicts morphology across spatial scale in a freshwater fish (from Chapman et al.).

12:15 - Roach partial migration-causes and consequences of individual variation in migratory timing (from Hulthén et al.).

🕒 12:30 - 14:00

LUNCH

🕒 14:00 - 15:00

PLENARY SESSION

📍 IPANEMA ROOM

👤 **MARINO VACCHI**

Fish from the Southern Ocean: biodiversity, ecology and conservation initiatives



🕒 15:00 - 16:00

ECOLOGY, CONSERVATION AND INVASIVE SPECIES

📍 IPANEMA ROOM

Chair: Kenneth Able

15:00 - Sex biased fishing mortality and movement patterns of the dimorphic corkwing wrasse (*Symphodus melops*) (from Halvorsen et al.).

15:15 - Status of the lionfish invasion to the Colombian Caribbean (from Acero et al.).

15:30 - Impact of an oceanic port (Sines, Portugal) on the fish community (from Mamede et al.).

15:45 - Global patterns of functional diversity of fish assemblages in estuaries (from Vasconcelos et al.).

🕒 15:00 - 16:00

LIFE CYCLES, MIGRATION AND CONNECTIVITY

📍 PORTO ROOM

Chair: Filipe Ribeiro

15:00 - Effects of flow regulation in the life-cycles of a Mediterranean cyprinid species, the Iberian chub (*Squalius carolitertii* Doadrio, 1988) (from Alexandre et al.).

15:15 - Trophic interactions of *Platichthys flesus* and *Solea solea* juveniles in the Lima estuary nursery (NW Portugal) (from Mendes et al.).

15:30 - A decadal trend of juvenile European sea bass (*Dicentrarchus labrax*, to climate patterns in the Mondego estuary, Portugal) (from Bento et al.).

15:45 - Attractiveness and efficiency of a downstream migration bypass for Atlantic Salmon (*Salmo Salar*) smolts in a Belgian medium size river (from Ovidio et al.).

🕒 16:00 - 16:30

COFFEE - BREAK

🕒 16:30 - 17:30

ECOLOGY, CONSERVATION AND INVASIVE SPECIES

📍 IPANEMA ROOM

Chair: Peter Miller

16:30 - The ecology of an adaptive radiation of three-spine sticklebacks from North Uist, Scotland (from Magalhães et al.).

16:45 - Genomics and fish adaptation (from Antunes).

17:00 - Fish and mussels: importance of fish for freshwater mussel conservation (from Sousa et al.).

17:15 - Indigenous fish species in the modern ichthyofauna of the Balkhash basin (from Mamilov et al.).

🕒 16:30 - 17:30

LIFE CYCLES, MIGRATION AND CONNECTIVITY

📍 PORTO ROOM

Chair: Neil Metcalfe

16:30 - Pattern of movement of introduced pumpkinseed *Lepomis gibbosus* in artificial, post-excavation lake (from Zięba et al.).

16:45 - Evaluating a vertical slot fishway in the recolonization of upstream stretch of River Mondego that was not available to sea lamprey (from Pereira et al.).

17:00 - Preliminary results on the biology of the European eel (*Anguilla anguilla*) in the European Southern tip (from Moreno-Valcárcel et al.).

17:15 - In situ orientation of fish larvae can vary among regions (from Leis et al.).

🕒 17:30 - 18:30

POSTER SESSION: PHYSIOLOGY, BEHAVIOUR AND TOXICOLOGY

🕒 18:30 - 19:30

SEALIFE VISIT

CIIMAR

CIIMAR - Interdisciplinary Centre of Marine and Environmental Research - is a research and advanced training institution hosted by the University of Porto.



SCHEDULE

Registration & Abstract Submission: **16 February 2015**
Abstract Deadline Submission: **30 April 2015**
Abstract Acceptance: **31 May 2015**
Early Registration Deadline: **15 June 2015**
Late Registration Deadline: **30 June 2015**

YOUNG STUDENT AWARDS

PhD students will have the opportunity to compete for awards for best oral and poster presentations.

REGISTRATION

Online registrations closed! If you have questions about your registration, please contact us:

CONTACT!

The effect of the Messinian Salinity Crisis on the distribution of small pelagic fish in the Mediterranean Sea

K. Agiadi

National and Kapodistrian University of Athens, kagiadi@geol.uoa.gr

The present study synthesizes the Mediterranean fossil record of Engraulidae and Clupeidae spanning the late Miocene-Middle Pleistocene interval (13.82-0.126 Ma) to investigate the role of the Messinian Salinity Crisis (MSC; 5.97-5.33 Ma) in the distribution of small pelagic fish. Published data on fossil fish skeletal and/or otolith remains are reviewed to infer the species presences in the major Mediterranean subbasins.

Sardina crassa and *Sardina pilchardus* are present in the eastern and the western subbasin before the MSC and reappear after the crisis; they are both found in the Piacenzian of the Adriatic (3.6-2.588 Ma). The eastern subbasin post-MSC records only include *S. pilchardus*. The fossil records of *Engralis encrasicolus* and *Sardinella maderensis* indicate that these species first appeared in the Mediterranean after the MSC; *E. encrasicolus* is reported only from the eastern subbasin. On the contrary, *S. maderensis* and *S. aurita* are present in the western subbasin already from the Zanclean (5.33-3.6 Ma).

Modern representatives, such as *Engraulis encrasicolus* and *Sardinella maderensis*, gradually displaced fossil Miocene species during the Pliocene. The MSC's effect on the fish fauna was significant, but did not preponderate over the gradual faunal transition from a typical Tethyan to an endemic-dominated, Atlantic-originating fish fauna. Indeed, species, such as *Sardina pilchardus*, already appear in the fossil record from the Miocene, depart during the MSC, and reenter the basin in the beginning of the Pliocene, where they remain until today. Inversely, *Alosa* spp. remains are found during the entire Miocene as well as the Pliocene. However, there are no representatives of this genus in the Pleistocene through the present day.

This research has been co-financed by the EU (ESF) and Greek national funds through the Operational Program "Education and Lifelong Learning" of the NSRF - Research Funding Program: THALIS-UOA-MEDSALC MIS: 375405.