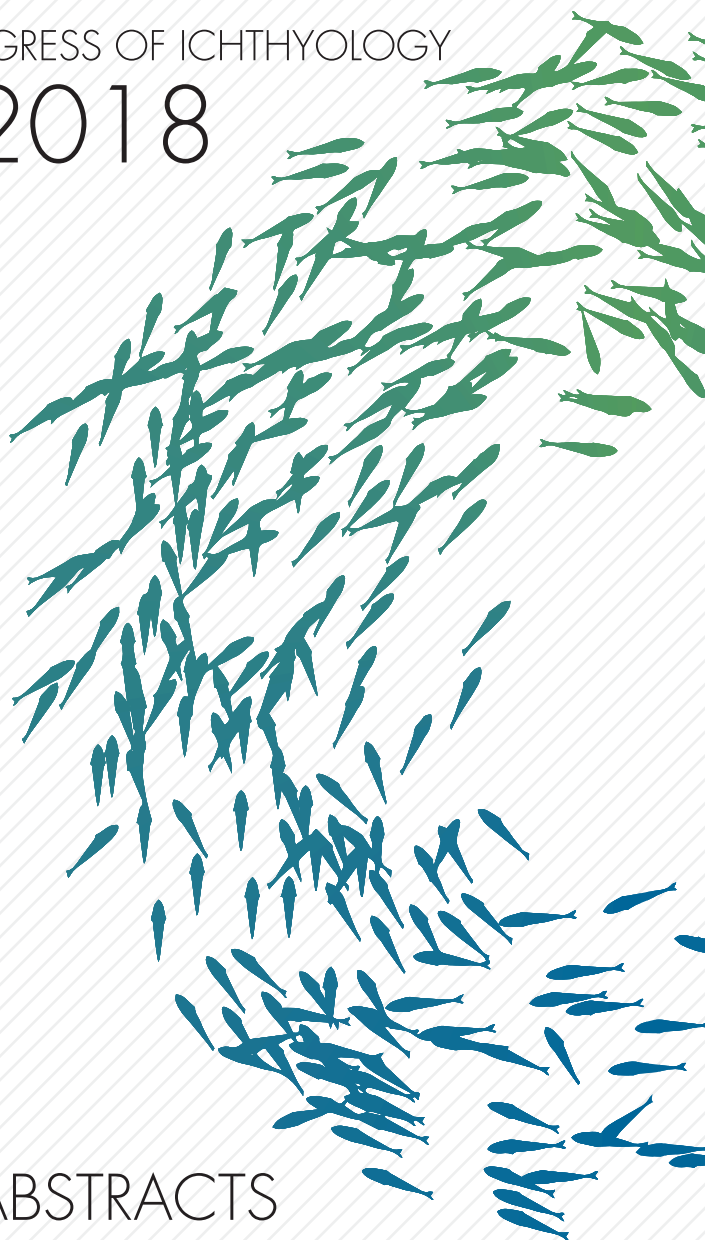



VII IBERIAN CONGRESS OF ICHTHYOLOGY

SIBIC2018



BOOK OF ABSTRACTS





WHERE
RIVERS
MEET THE
OCEAN

SIBIC2018

VII IBERIAN CONGRESS OF ICHTHYOLOGY

UNIVERSIDADE DO ALGARVE

Complexo Pedagógico

Campus Penha // Faro // Portugal

12-15 June



PRESIDENT OF SIBIC2018

Pedro Miguel Guerreiro, CCMAR, Centre for Marine Sciences at University of Algarve

COORDINATION

Pedro Miguel Guerreiro, CCMAR, Centre for Marine Sciences at University of Algarve

Frederico Oliveira, CCMAR, Centre for Marine Sciences at University of Algarve
Mafalda Rangel, CCMAR, Centre for Marine Sciences at University of Algarve

EDITION

Centro de Ciências do Mar
Universidade do Algarve
Sociedade Ibérica de Ictiologia

PRINTING

Universidade do Algarve

DESIGN

Frederico Oliveira

ISBN: 978-989-95587-6-2

DL: 441889/18

ORGANIZING COMMITTEE

Pedro Miguel Guerreiro, CCMAR, Centre for Marine Sciences at University of Algarve

Jorge Gonçalves, CCMAR, Centre for Marine Sciences at University of Algarve

Sofia Engrola, CCMAR, Centre for Marine Sciences at University of Algarve

Florbela Soares, IPMA, Portuguese Institute for Sea and Atmosphere, Olhão

João Saraiva, CCMAR and FAIR-FISH International

Filipe Ribeiro, MARE, Marine and Environmental Sciences Centre at University of Lisbon

Paulo Gavaia, CCMAR, Centre for Marine Sciences at University of Algarve

Mafalda Rangel, CCMAR, Centre for Marine Sciences at University of Algarve

Pedro Lino, IPMA, Portuguese Institute for Sea and Atmosphere, Olhão

Rui Coelho, IPMA, Portuguese Institute for Sea and Atmosphere, Olhão

Ana Verissimo, CIBIO, Research Center in Biodiversity and Genetic Resources at Vairão

Mar Torralva Forero, University of Murcia

Ana Sánchez Pérez, University of Murcia

Amilcar Teixeira, CIMO, Mountain Research Center at Polytechnic Institute of Bragança

Jorge Palma, CCMAR, Centre for Marine Sciences at University of Algarve

Andreia Pinto, CCMAR, Centre for Marine Sciences at University of Algarve

Jorge Graça, CCMAR, Centre for Marine Sciences at University of Algarve

Rita Abecassis, CCMAR, Centre for Marine Sciences at University of Algarve

SCIENTIFIC COMMITTEE

Adelino Canario, CCMAR, University of Algarve

Alberto Teodorico Correia, CIIMAR, University of Porto and University Fernando Pessoa

Alexandra Silva, IPMA, Portuguese Institute for Sea and Atmosphere, Lisbon

Amadora Rodríguez Ruiz, University of Seville

Ana Almodóvar Pérez, Complutense University of Madrid

Ángel Pérez Ruzafa, University of Murcia

Beatriz Morales Nim, IMEDEA and University of the Balearic Islands

Bernardo Quintella, MARE, University of Lisbon

Carlos Fernandez Delgado, University of Cordoba

Carlos Granado Lorenzo, University of Seville

Emanuel Gonçalves, ISPA, Instituto Superior de Psicologia Aplicada, Lisbon

Esther Isorna, Complutense University of Madrid

Estíbaliz Díaz, AZTI-Tecnalia

Fernando Cobo Gradín, University of Santiago de Compostela
Francisco Javier Sanz Ronda, University of Valladolid
Francisco José Oliva Paterna, University of Murcia
Henrique Cabral, MARE, University of Lisbon
Ibon Cancio, PiE, University of the Basque Country
João Manuel Bernardo, University of Évora
Jonathan M. Wilson, CIIMAR, University of Porto
Josep Rotllant, IIM, Marine research Institute, CSIC Vigo
Juan Miguel Mancera, University of Cadiz
Karim Erzini, CCMAR, University of Algarve
Lluís Zamora Hernández, University of Girona
Luisa Valente, CIIMAR, University of Porto
Manuel Biscoito, Natural History Museum of Funchal, Madeira
Maria Filomena Magalhães, CBA, University of Lisbon
Maria Teresa Dinis, CCMAR, University of Algarve
Maria Teresa Ferreira, ISA, University of Lisbon
Miguel Clavero, Doñana Biological Station, CSIC Seville
Pedro Pousão Ferreira, IPMA, Portuguese Institute for Sea and Atmosphere, Olhão
Pilar Drake, ICMAN, Institute of Marine Sciences of Andalusia, CSIC Cadiz
Raul Laiz Carrión, IEO, Spanish Institute of Oceanography, Malaga
Ricardo Serrão Santos, DOP, University of Azores
Rita Castilho, CCMAR, University of Algarve
Rui Oliveira, ISPA, Instituto Superior de Psicologia Aplicada, Lisbon
Silvia Zanuy, IATS, Institute of Aquaculture Torre de la Sal, CSIC Castellón



ZPR OF THE OLO RIVER: MANAGEMENT OF SPORT FISHING

António M.V. Martinho¹, Amílcar Teixeira², Varandas Simone³

¹ICNF – Instituto da Conservação da Natureza e das Florestas; Departamento de Conservação da Natureza e Florestas do Norte; Divisão de Licenciamento e Avaliação de Projetos; Parque Florestal, 5000-567 Vila Real.

²CIMO-IPB, Centro de Investigação de Montanha, Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal (amilt@ipb.pt), and

³CITAB; ECAV; Universidade de Trás-os-Montes e Alto Douro; Quinta de Prados, 5000-801 Vila Real

This work is the result of sport fishing monitoring carried out in 2013 in the Reserved Fisheries Zone (ZPR) of the Olo River. The aim of this initiative was to evaluate whether the management model, initially established, would require, after six years of implementation, eventual modifications, and to stabilize, in a Management Plan, the recreational sport fishing activity during the next years of activity. This study respected the methodology originally adopted (2007). In the conservation status assessment of the fish communities, the data concerning age, growth, physical condition and their relationship with the different habitat types where they were captured were analyzed.

The results showed that the brown trout and the northern chub are once more the species with the most spatial distribution (found along the entire river). Also, revealed that the salmonid was present in all the sampling stations with water available throughout the year. The recent occurrence of a trout specimen at the age of 6+, in a monitoring action, determined the increase in 2016 of one year in the maximum longevity obtained by this species. In 2013, *Gobio lozanoi* had a strong expression in the lower section (1/3) of the river, especially with very young individuals (0+). Its occurrence is strongly associated with anthropic actions (illicit introductions) in more lentic habitats, where the water temperature is higher in summer. Overall, the longitudinal variation of the species is directly associated with the quality of the freshwater habitat.

It was also possible to assess the pertinence of the adoption of complementary measures to improve the sustainable management of sport fishing in the Olo River ZPR (Ordinance no. 206/2008, of February 25), which are proposed in the Plan Management of the Olo River ZPR.