



Dissemination Synthesis Report

Covering the dissemination activities from 27/09/2018 to 29/09/2019

Reporting Date

28/09/2019

Event attended

Symposium for the conservation of freshwater fish and habitat rehabilitation – LIFE Saramugo

data of event

Event location:	University of Évora
Event start date:	27/09/2018
Event end date:	29/09/2018
Event Website:	http://www.lifesaramugo.lpn.pt/en/symposium

data of organizer

Organization Name:	Project LIFE Saramugo, University of Évora
Contact person:	Maria Ilhéu
Telephone:	
E-mail:	lifesaramugo2018@uevora.pt
Organizer's Website:	http://www.lifesaramugo.lpn.pt/en

1. EXECUTIVE SUMMARY

Life Águeda was presented at the Symposium for the Conservation of Freshwater Fish and Habitat Rehabilitation, held in the scope of the LIFE project focusing on the “Conservation of Saramugo, (*Anaecypris hispanica*), in the Guadiana river basin (Portugal)” (LIFE13 NAT/PT/000786). The event covered the areas of freshwater fish habitat conservation and rehabilitation and challenges for the conservation of endangered fish species, among other subjects. Cross meetings with LIFE Projects were also promoted.

2. DISSEMINATION PROGRAM

A global presentation of LIFE Águeda was held, highlighting key aspects of the project (Project summary, budget information, partners involved). General and specific objectives were presented and related to the multiple European policies addressed with the project’s actions. The presentation also highlighted habitat rehabilitation measures, emphasising pilot solutions addressed by the project. Communication and dissemination actions/measures were briefly addressed; to summarize, expected impacts, their quantification and related policies were also introduced.

Presentation Abstract

“Habitat loss and overfishing are the most significant threats to diadromous fish, most of them of high socioeconomic and conservationist importance, like *Alosa alosa*, *A. fallax*, *Petromyzon marinus* and *Anguilla anguilla*. The project “LIFE AGUEDA - Conservation and Management Actions for Migratory Fish in the Vouga River Basin” started in 2017 and its main objective is the removal of hydro-morphological pressures towards the reestablishment of conditions for a good ecological status, as required by the Water Framework Directive (WFD) and associated River Basin Management Plans. This will be achieved by: i) restoration of river morphology through the installation of nature-like fish passes, removal of river obstacles and re-naturalization of the river bed, design and operation of a pilot translocation program directed to European eel juveniles, and riparian habitat restoration; ii) recreational and commercial fisheries management; and iii) stakeholders’ engagement and compatibility of ecosystem uses. Anglers’ engagement in fish monitoring through the design and operation of a pilot mobile phone application will contribute to collect data on fish distribution, while the design and operation of a pilot “mobile auction” in the study area, together with the implementation of a “label of origin” system, will promote market differentiation and fish valorisation.”

3. DISSEMINATION OUTPUTS

Key comments included the methodology and criteria used for the selection of obstacles upon which the project will take mitigation or elimination measures. During the event, previous contacts with researchers from the Severn Rivers Trust, engaged with the project “Unlocking the Severn LIFE - Shad Severn: Conservation and restoration of twaite shad in the Severn

Estuary Special Area of Conservation" (LIFE15 NAT/UK/000219), were consolidated, and a visit to that project was scheduled for May 2019.

4. CONTACTS

People Contacted

ENTITY	CONTACT NAME	EMAIL	TEL
Severn Rivers Trust, Environment Agency, Canal & River Trust	Richard Harrison	richard.harrison@canalrivertrust.org.uk	
ICNF	Marta Santo	marta.santo@icnf.pt	

ANNEX - PHOTOS




Catarina Mateus presenting LIFE Águeda.

ANNEX - PRESENTATION

<https://drive.google.com/file/d/196klMrvax4Yb-tzUwUt9tmsOWemnAJ8/view?usp=sharing>

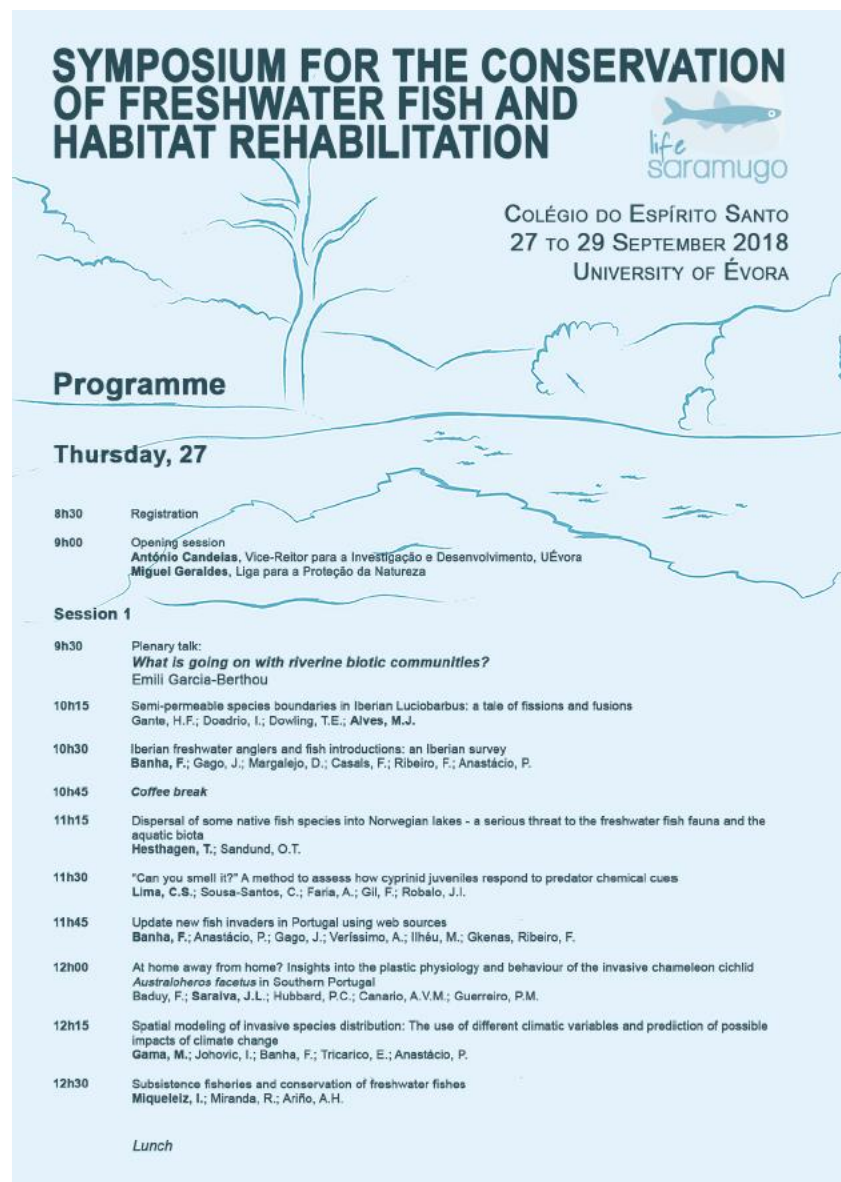
ANNEX - PROGRAM

SYMPOSIUM FOR THE CONSERVATION OF FRESHWATER FISH AND HABITAT REHABILITATION



life
saramugo

COLÉGIO DO ESPÍRITO SANTO
27 TO 29 SEPTEMBER 2018
UNIVERSITY OF ÉVORA



Programme

Thursday, 27

8h30 Registration

9h00 Opening session
António Candéias, Vice-Reitor para a Investigação e Desenvolvimento, UÉvora
Miguel Geraídes, Liga para a Proteção da Natureza

Session 1

9h30 Plenary talk:
What is going on with riverine biotic communities?
Emili Garcia-Berthou

10h15 Semi-permeable species boundaries in Iberian *Luciobarbus*: a tale of fissions and fusions
Gante, H.F.; Doadrio, I.; Dowling, T.E.; Alves, M.J.

10h30 Iberian freshwater anglers and fish introductions: an Iberian survey
Banha, F.; Gago, J.; Margalejo, D.; Casals, F.; Ribeiro, F.; Anastácio, P.

10h45 *Coffee break*

11h15 Dispersal of some native fish species into Norwegian lakes - a serious threat to the freshwater fish fauna and the aquatic biota
Hesthagen, T.; Sandund, O.T.

11h30 "Can you smell it?" A method to assess how cyprinid juveniles respond to predator chemical cues
Lima, C.S.; Sousa-Santos, C.; Faria, A.; Gil, F.; Robalo, J.J.

11h45 Update new fish invaders in Portugal using web sources
Banha, F.; Anastácio, P.; Gago, J.; Veríssimo, A.; Ilhéu, M.; Gkenas, Ribeiro, F.

12h00 At home away from home? Insights into the plastic physiology and behaviour of the invasive chameleon cichlid *Australoheros fasciatus* in Southern Portugal
Baduy, F.; Saralva, J.L.; Hubbard, P.C.; Canário, A.V.M.; Guerreiro, P.M.

12h15 Spatial modeling of invasive species distribution: The use of different climatic variables and prediction of possible impacts of climate change
Gama, M.; Johovic, I.; Banha, F.; Tricarico, E.; Anastácio, P.

12h30 Subsistence fisheries and conservation of freshwater fishes
Miquelz, I.; Miranda, R.; Ariño, A.H.

Lunch

Session 2

- 14h15 Plenary talk:
Habitat conservation and rehabilitation
Rui Cortes
- 15h00 LIFE Saramugo Project: Experimental testing of several barrier types to prevent Bleak from reaching areas with Saramugo populations
Bernardo, J.M.; Matono, P.; Costa, A.M.; da Silva, J.; Ilhéu, M.
- 15h15 Lessons learned in habitat rehabilitation for Saramugo
Fragoso, S.; Lousa, H.; Silva, N.; Alcazar, R.
- 15h30 River rehabilitation for the conservation of Saramugo's populations in the Guadiana and Moura/Barrancos SCIs
Almeida, J.; Oliveira, B.; Pinheiro, P.
- 15h45 Ecological recovery and valorisation project of the Várzea de Loures
Fernandes, J.P.
- 16h00 **Coffee break**
- 16h30 River fragmentation and conservation of endemic Iberian freshwater fish species
Rodeles, A.; Galicia, D.; Miranda, R.
- 16h45 Microhabitat use of endemic cyprinids as a tool to inform restoration practices in Mediterranean rivers
Santos, J.M.; Rivas, R.; Boavida, I.; Branco, P.
- 17h00 Ecological status assessment of temporary rivers. Proposal of a Methodological Approach
Alves, M.H.; Fialho, A.; Furtado, A.; Gago, C.; Soares, C.; Rasga, M.J.; Noronha, P.; Garcia, P.; Oliveira, R.; José, V.
- 17h15 A multi-scale approach to the management of regulated rivers for the conservation of freshwater fish
Alexandre, C.M.; Almeida, P.R.; Mateus, C.M.; Costa, J.L.; Belo, A.F.; Pereira, E.; Oliveira, I.; Rato, A.; Quintela, B.R.
- 17h30 Monitoring freshwaters using eDNA metabarcoding
Filipe, A.F.; Garcia-Raventós, A.; Martins, F.M.S.; Paupério, J.; Ferreira, S.; Beja, P.; Magalhães, M.F.
- 17h45 Poster session
- 18h00 Yeborath saxophone quartet - Departamento de Música da Escola de Artes, Universidade de Évora

Friday, 28

Session 3

- 9h00 Plenary talk:
Challenges for the conservation of endangered fish species
Jörg Freyhof
- 9h45 Conservation of the Saramugo (*Anaecypris hispanica*) in the Guadiana basin (Portugal)
Alcazar, R.; Lousa, H.; Silva, N.; Fragoso, S.
- 10h00 Patterns of habitat use of the endangered Saramugo, *Anaecypris hispanica*, and the invasive Bleak, *Alburnus alburnus* in Mediterranean temporary rivers: potential negative interactions
Matono, P.; da Silva, J.; Bernardo, J.M.; Costa, A.M.; Ilhéu, M.
- 10h15 Behavioral interactions between the endangered native fish Saramugo, *Anaecypris hispanica*, and the invasive Bleak, *Alburnus alburnus*
da Silva, J.; Matono, P.; Barata, E.N.; Bernardo, J.M.; Costa, A.M.; Ilhéu, M.
- 10h30 **Coffee break**
- 11h15 High levels of genetic diversity are not sufficient to prevent extinction - the case of the critically endangered *Anaecypris hispanica*
Sousa-Santos, C.; Joana I. Robalo, J.I.; Francisco, S.M.; Carrapato, C.; Cardoso, A.C.; Doadrio, I.

11h30 Distribution and demography of the critically endangered Lisbon arched-mouth nase, *Iberochondrostoma olisiponense* - evidence from model-based field sampling
Gante, H.F.; Lomba, Á.; Veríssimo, A.; Checo, G.; Oliveira, J.M.; Careja, R.; Santos, C.D.; Capinha, C.; Ribeiro, F.

11h45 Recovery plan for Jarabugo (*Anaecypris hispanica*) in Extremadura
Moreno Rendón, P.; González, P.; José, J.; Pascual Toca, M.; López, R.; Carlos, J.; Fallola Sánchez-Herrera, C.

12h00 An action plan and four projects for the conservation of *Anaecypris hispanica*
Cardoso, A.C

Lunch

Session 4

14h15 Plenary talk:
Conservation and restoration of Mediterranean temporary ponds: experiences from LIFE Charcos project
Carla Pinto-Cruz

15h00 LIFE INVASAQUA - Aquatic Invasive Alien Species of Freshwater and Estuarine Systems: Awareness and Prevention in the Iberian Peninsula
Ribeiro, F.; Olivo del Amo, R.; Miranda, R.; Anastácio, P.; Torralva, M.; Casals, F.; Cobo, F.; Perdices, A.; Pou-Rovira, Q.; Correia, M.J.; Ferreira, J.; Alcántara, A.; Lázaro, L.; Numa, C.; Ramírez, J.; Larena, A.; Oliva-Patena, F.

15h15 Unlocking the Severn – The UK's longest river open for fish
Morris, M.; Crundwell, C.; Harrison, R.

15h30 Triple Lakes -restoration and preventive actions for freshwater habitats in a climate change perspective
Samuelsson, P.; Bernhardsson, M.

15h45 Coffee break

16h15 Keeping longitudinal and lateral connections open. LIFE and Estonian freshwater habitats
Meelis, T.; Einar, K.; Mart, T.

16h30 LIFE AGUEDA Conservation and management actions for migratory fish in the Vouga river basin
Mateus, C.S.; Pedro, S.; Quintella, B.R.; Alexandre, C.M.; Lança, M.J.; Pinheiro Alves, T.; Pereira, E.; Belo, A.F.; Correia, C.; Sousa, L.; Queiroga, A.P.; Pedro, F.; Laranjeira, C.M.; Belchior, I.; Ascensão, M.; Santos, F.; Marques, P.; Almeida, P.R.

16:45 The dilemma of the application of the WFD in the conservation of threatened species: Recovery of longitudinal connectivity vs invasive species. The case of the Life Cipriber
Marcos, C.; González, G.

17:00 Round table - Discussion session

17:45 Closing session

20:00 Symposium dinner

Saturday, 29

Field Trip to Vascão river

Coordinating beneficiary



Associated beneficiaries



Co-financing



Community Funding



Sponsors



ANNEX - COMMUNICATION

<http://www.lifesaramugo.lpn.pt/pt/simposio-do-life-saramugo-decorreu-em-evora>