*Funded by EU's LIFE Programme for the Environment and Climate action*

# LIFE ÁGUEDA

## Conservation and Management Actions for Migratory Fish in the Vouga River Basin

(LIFE16 ENV/PT/000411)

**Sílvia Pedro**, Mateus, CS, Quintella, BR, Alexandre, CM, Lança, MJ, Pinheiro-Alves, T, Pereira, E, Belo, AF, Correia, C, Sousa, L, Queiroga, AP, Pedro, F, Laranjeira, CM, Belchior, I, Ascensão M, Santos, F, Marques, P, Almeida, PR

Oceans Meeting
19.09.2018

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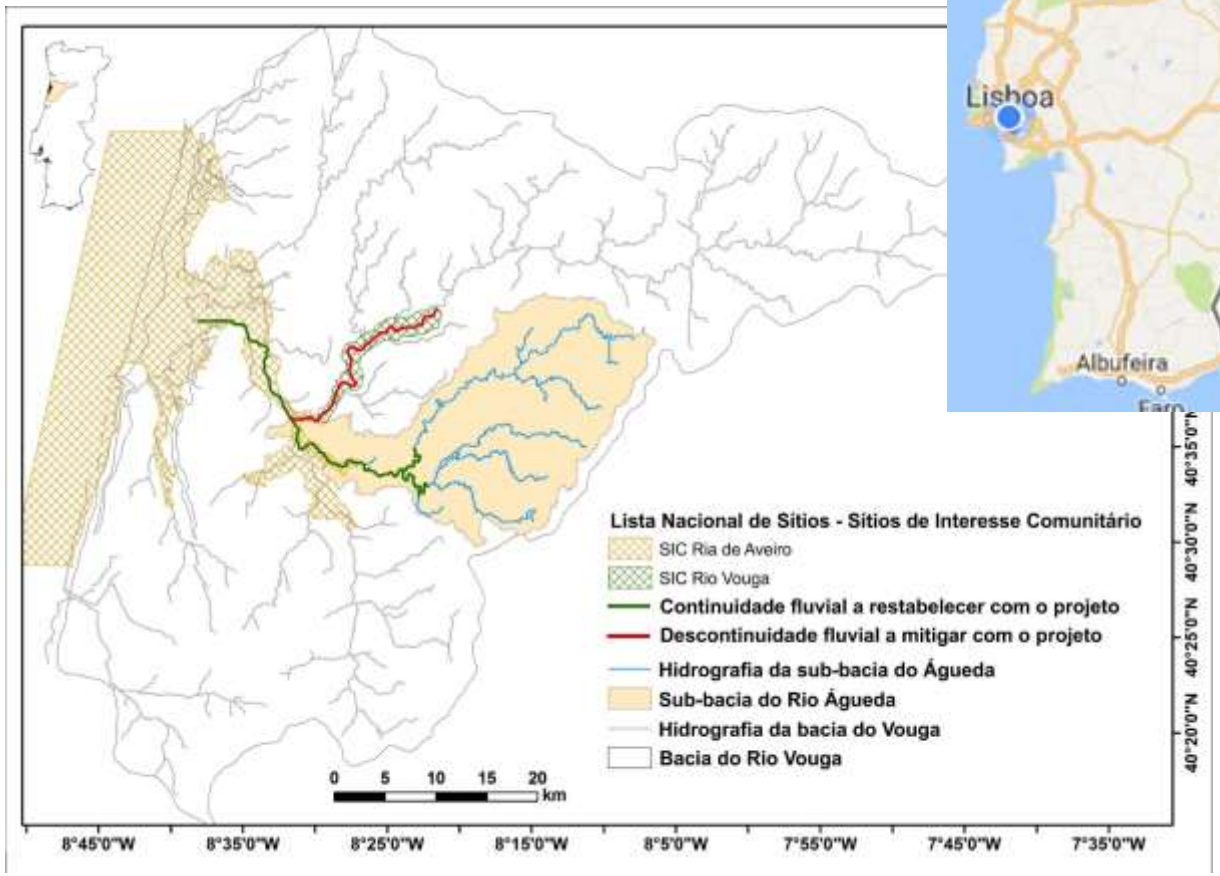
# Project Summary

- **Project Location:** Águeda
- **Duration:** 01.Aug.17 - 31.Jul.22
- **Budget info:**
  - **Total:** 3 324,804 €
  - **% EC Co-funding:** 60%
    (1 989,992 €)



## Project's Implementors:

### Coordinating Beneficiary:

- University of Évora / MARE

### Associated Beneficiaries:

- Águeda Municipality (CMA)
- Mora Municipality (CMM) / Fluviário de Mora
- Aqualogus – Engenharia do Ambiente, Lda.
- Docapesca – Portos e Lotas, S.A.

## Institutional Support:

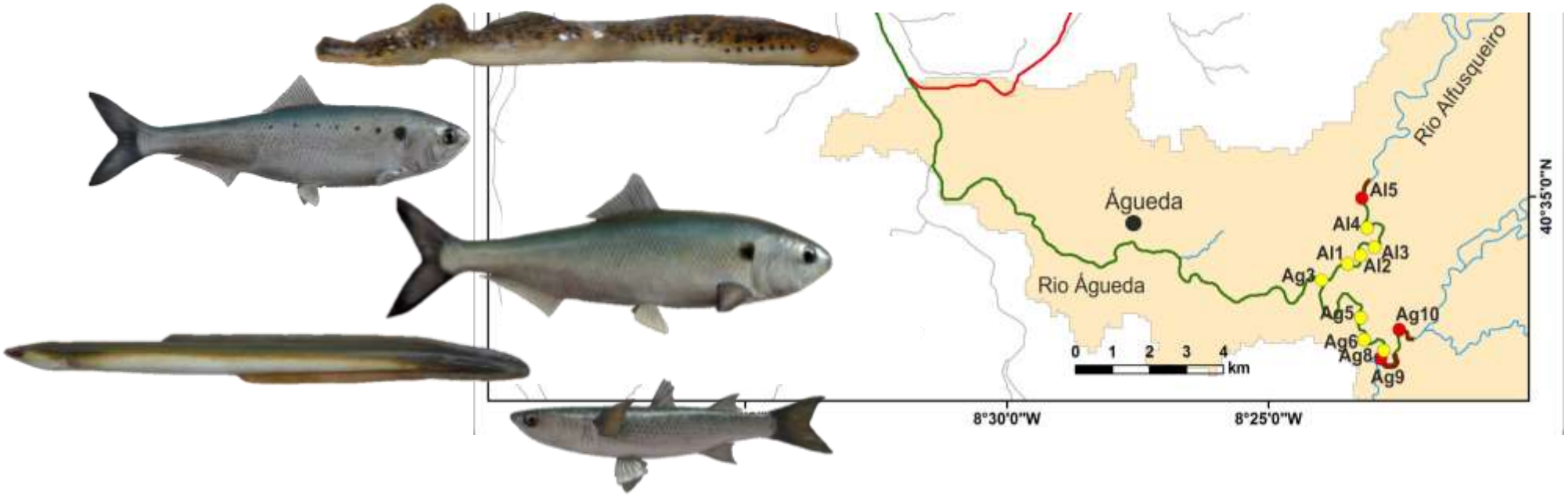
# Objectives & Scope

# Objective

Elimination of hydro-morphological pressures towards the reestablishment of conditions for a Good Ecological Status, as required by the Water-Framework Directive (WFD, 2000/60/EC) and River Basin Management Plans (RBMP).

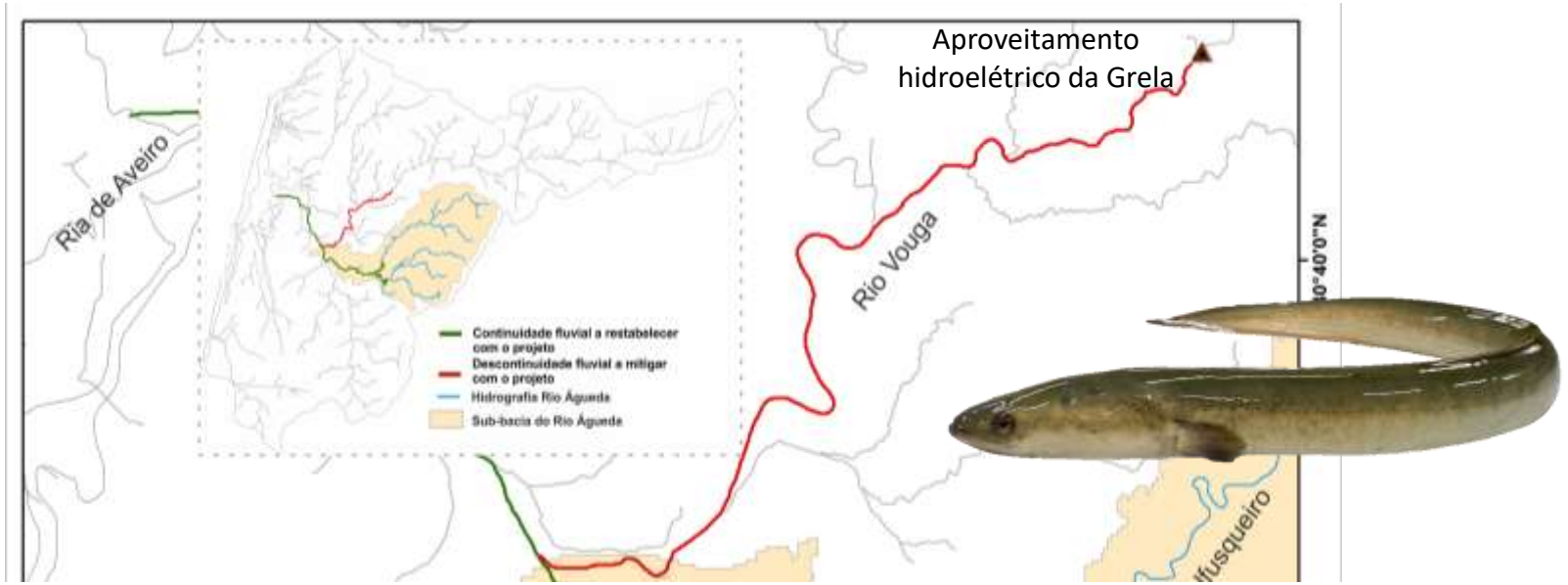
# Specific Objectives (1)

- Elimination of river discontinuity in the rivers Águeda and Alfusqueiro, effectively ensuring the recovery and re-naturalization of river habitats towards a Good Ecological State (WFD) for migratory fish populations



# Specific Objectives (2)

- Mitigation of the effects of unsurmountable dams on the nearby River Vouga – design and operation of a pilot translocation program directed at European eels juveniles (European eel Management Plan, EMP)



# Specific Objectives (3)

- re-naturalization of marginal riparian habitats, by reducing terrestrial habitats degradation and controlling invasive alien species (European Biodiversity Strategy, EBS)

# Proposed solutions and key actions

1. Integration of demonstrative solutions for re-naturalizing river morphology with innovative solutions targeting complimentary issues. *e.g.:*

- Removal of river obstacles and re-naturalization of the river bed

- Installation of nature-like fish passages
- Translocation program of juvenile European eels

- Riparian habitat restoration

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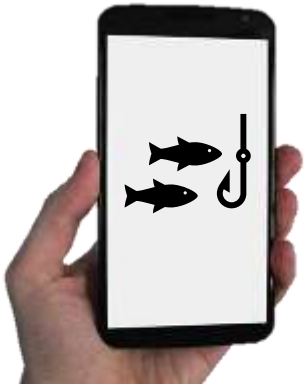
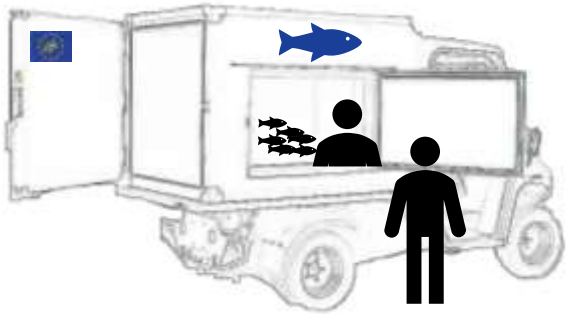
## 2. Recreational and commercial fisheries management

- Anglers' engagement for fish monitoring (development of a mobile App)

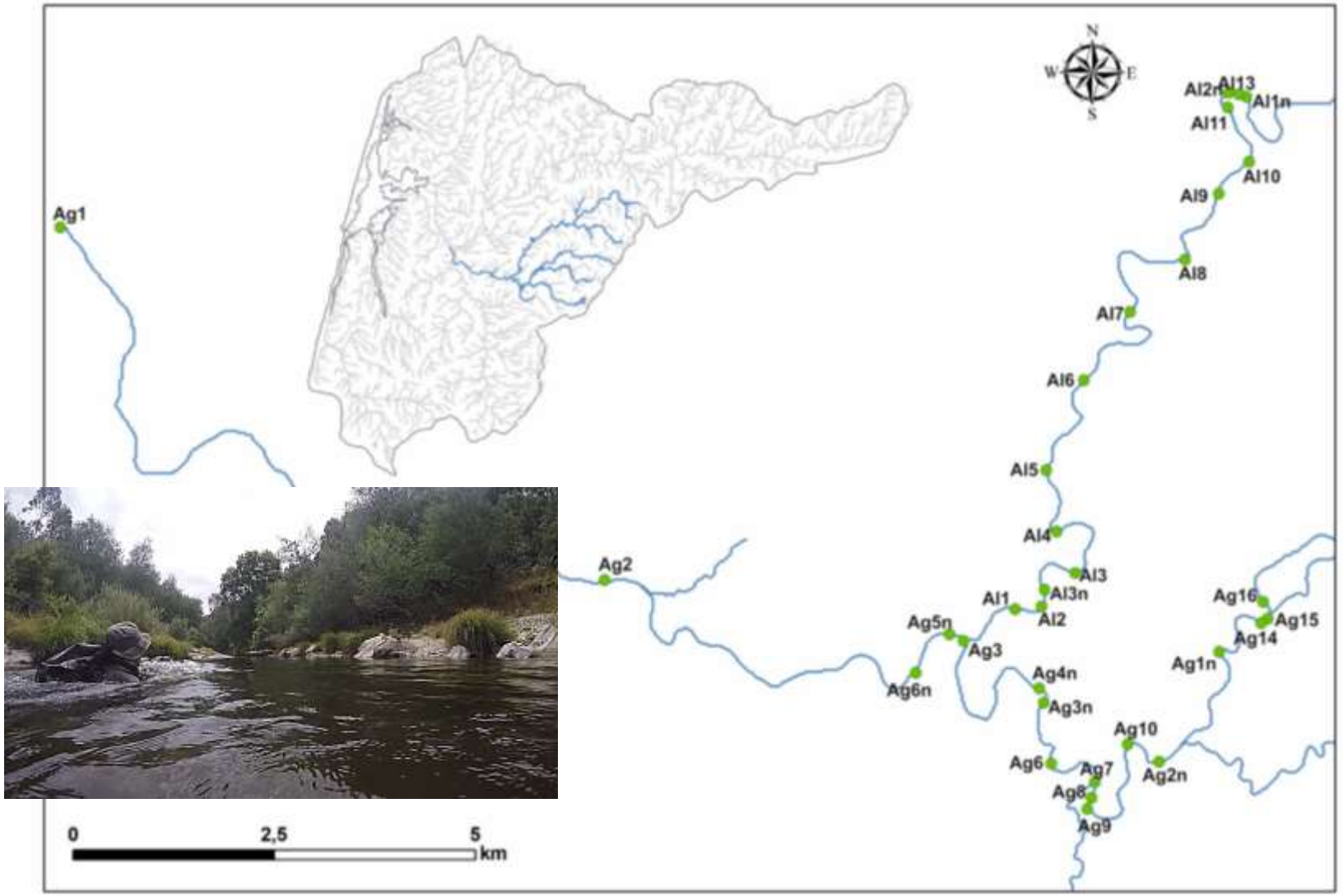


- Market differentiation and fish valorization (mobile auctions and label of origin)



## 3. Stakeholders engagement and compatibility of ecosystem uses

# Project Actions






## Obstacles' update and identification:

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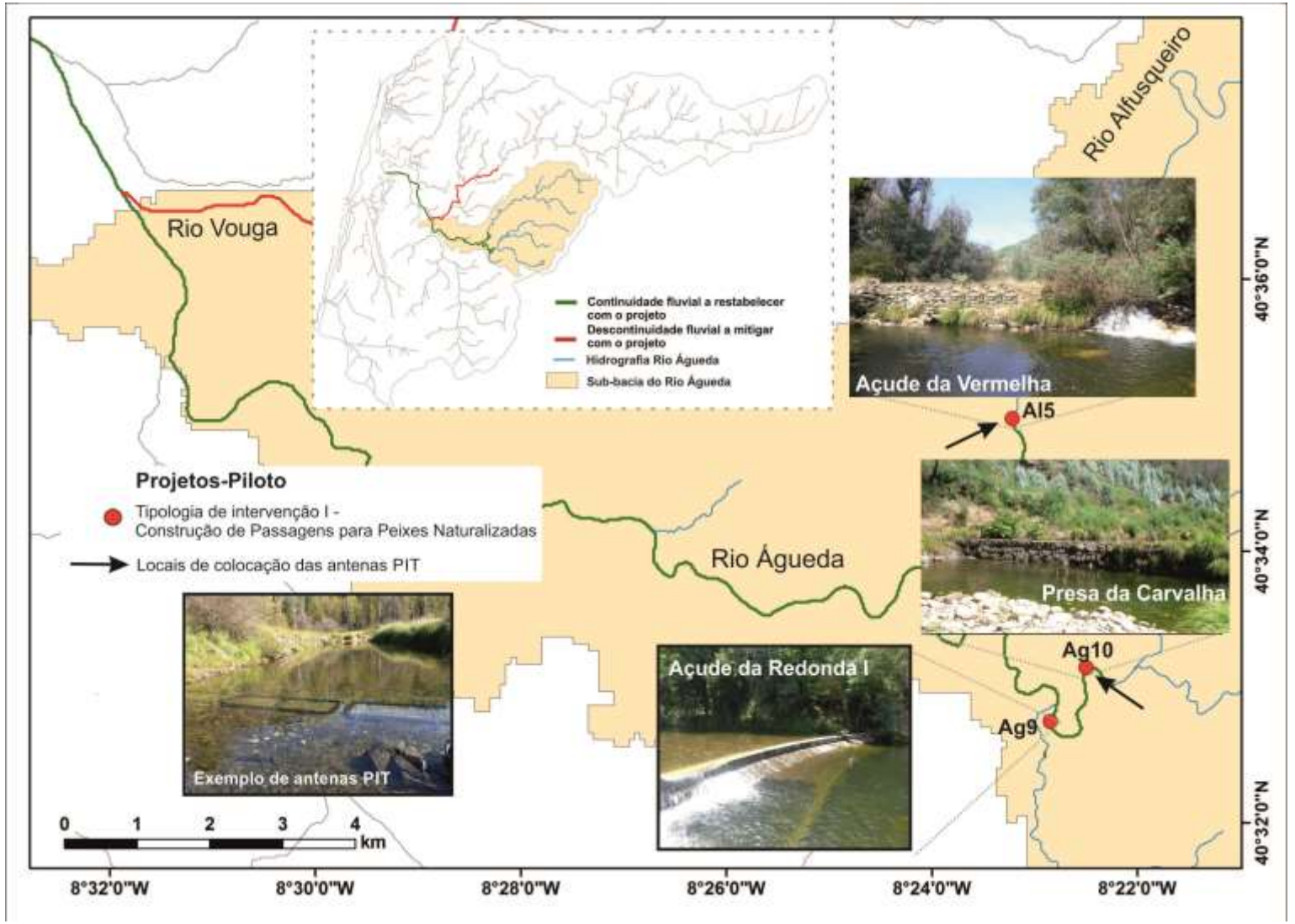
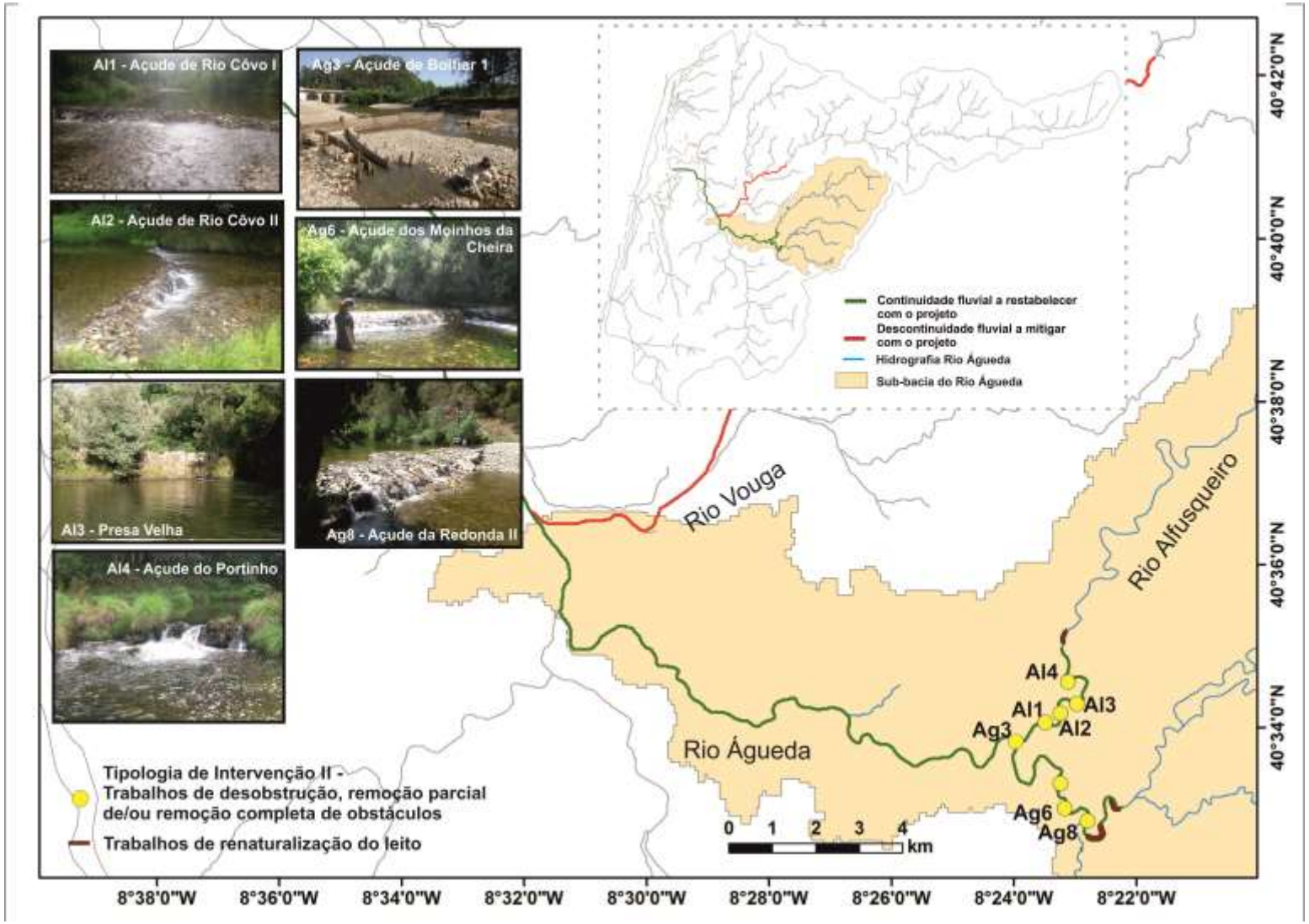
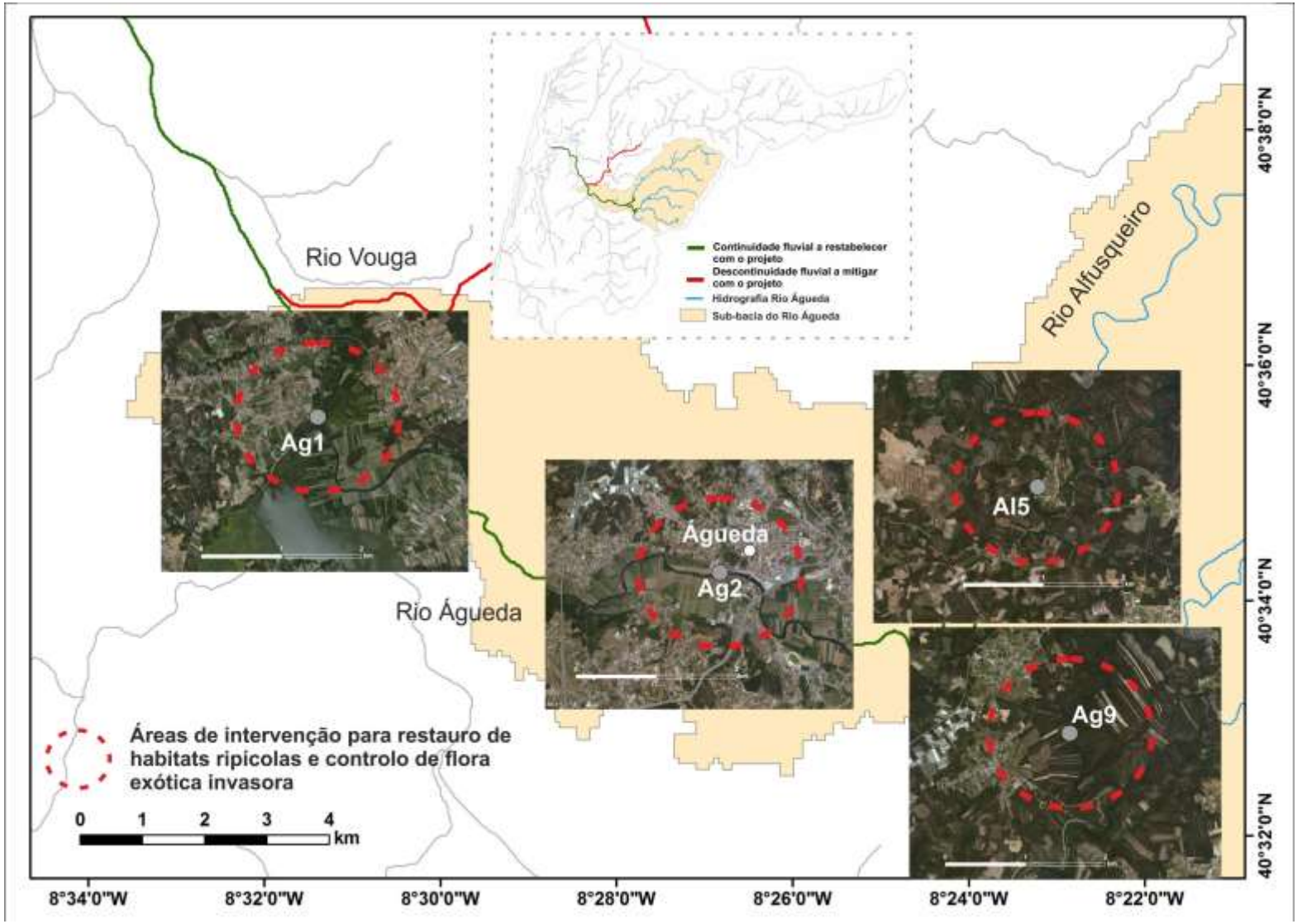



Mitigation of unsurmountable obstacles




Obstacle removal and river bed renaturalization




Riparian habitat restoration

# Pre and post-operational monitoring

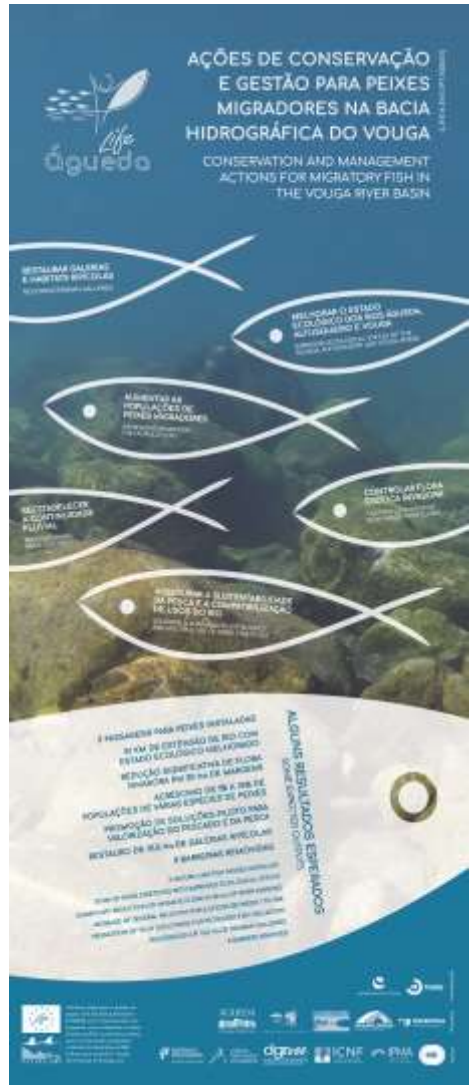
- Distribution and abundance of European eel, sea lamprey, trout
- Movement and migratory patterns of anadromous and potamodromous species - radio telemetry
- Dispersion pattern of migratory fish species - PIT-tags
- Inquiries to the fishermen community in Vouga and Mondego River basins

# Communication & Dissemination

- Roll-up
- Flyer

Flyer LIFE Águeda

Roll up LIFE Águeda in Fluviário de Mora



- Networking LIFE Fluvial (23 March 2018)
- Peixe em Lisboa 2018 (12 April 2018)

LIFE Fluvial, A Coruña

Peixe em Lisboa 2018

- World Fish Migration Day 2018 (21 April 2018)
- INTER LIFE PT 2018 (10 e 11 May 2018)

INTER LIFE PT 2018

World Fish Migration Day 2018

- Public presentation of LIFE Agueda (18 May 2018)

Public presentation

- Workshop Biomark - PIT-tags (23-25 May 2018)

Biomark's workshop

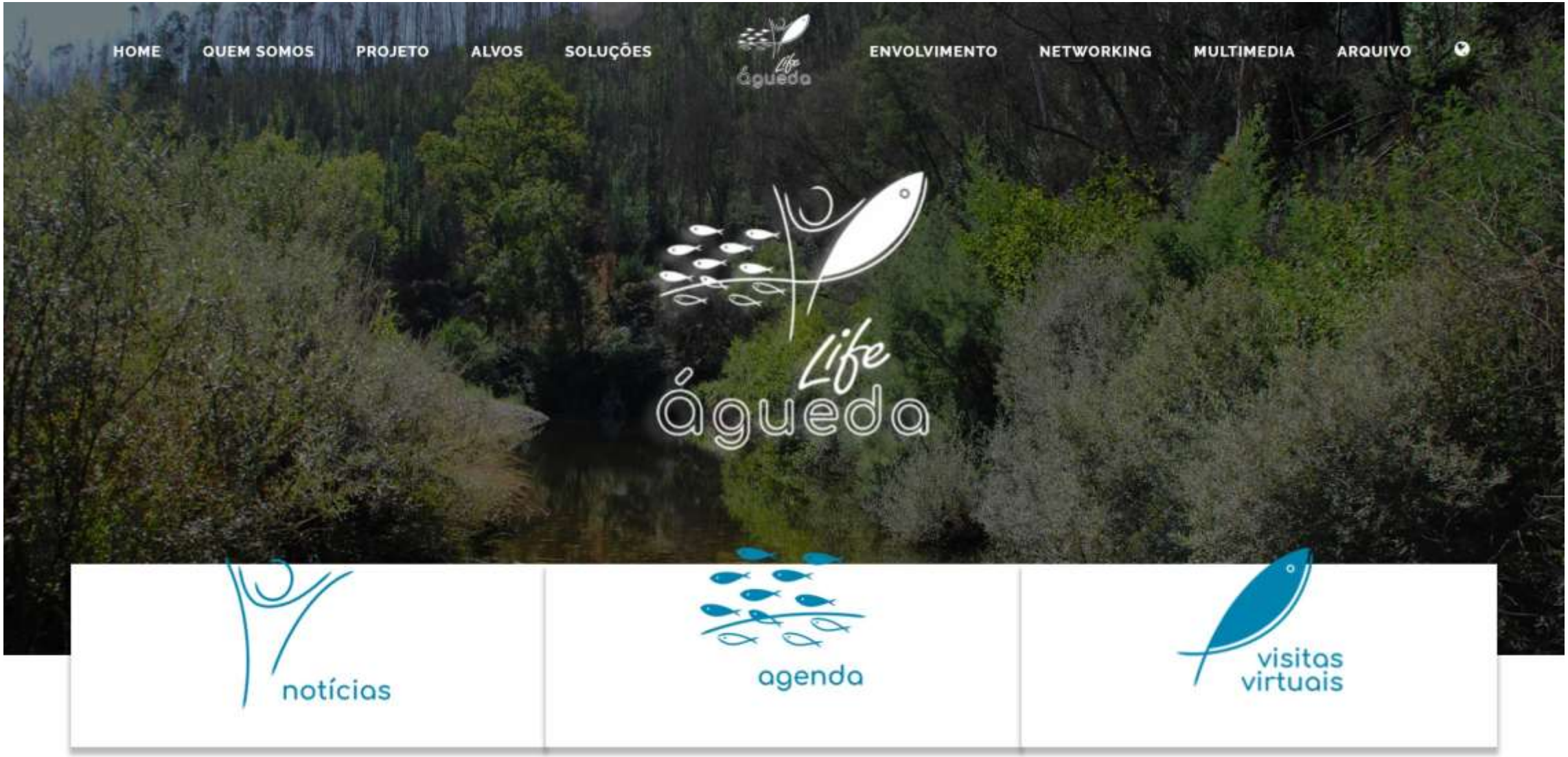
- Summer vacations occupational program C.M. Águeda

  (Jun-Jul 2018)

# Expected Impacts

| | Indicator | Estimated Impact | Change (%) |
|---|---|---|---|
| Water | • Improved Structure of Riparian Galeries (WFD) | 30 ha | 5-10 |
| | • Improved Ecological Status of River Stretches (WFD) | 51 km | 60 |
| | • Reduction of Hydromorphologic Pressures in Rivers Águeda and Alfusqueiro (WFD; FD) | Removal of 8 obstacles | 75 |
| | • River Continuity Reestablishment (WFD) | 34 km | 100 |
| Fisheries | • Sustainable fisheries management (CFP) | 50 km | 100 |
| | • European eel juveniles translocation (EMP) | 500,000 /yr | 25-50 |
| | • Increased diadromous fisheries income (CFP) | 0,5-2€/kg | 25 |
| Habitats | • Improved Area of Riparian Habitats (HD) | 13.5 ha | 20 |
| | • Improved Conservation Status of Areas from designated Natura 2000 SCI or SPA (EBS) | 2.5 ha | 40-60 |
| Species/ Biodiversity | • Fish population increase due to habitat restoration and/or fisheries management (EBS; CFP) | | 1-20 |
| | • Reduction of invasive riparian species (EBS) | | 95 |

http://www.life-agueda.uevora.pt



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LIFE ÁGUEDA

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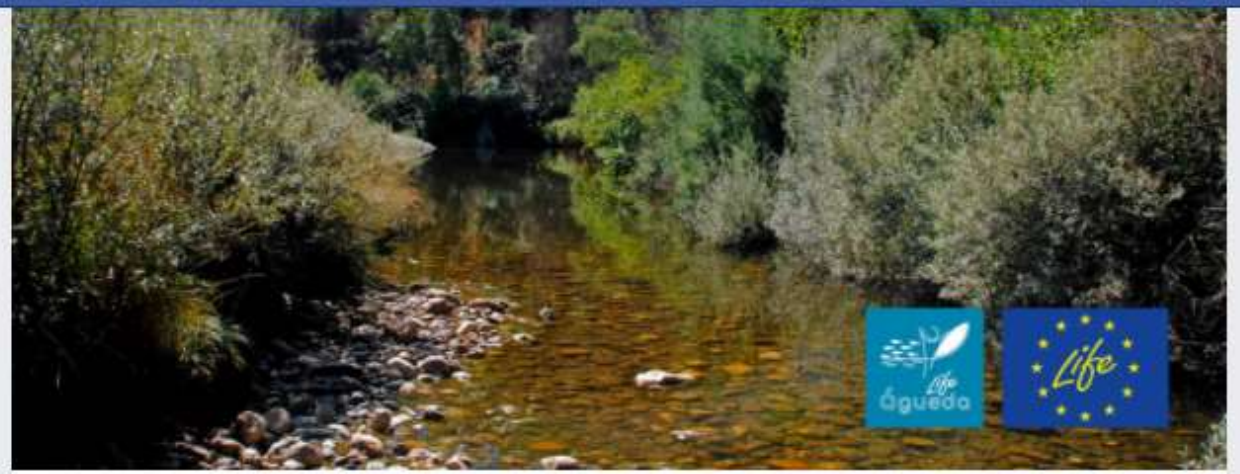
- Sobre
- Fotos
- Publicações
- Comunidade



Gosto | Partilhar | Sugerir edições | ···

Enviar Mensagem

## Sobre

Sugerir edições

### Informação da Página

Começou - 1 de Agosto de 2017

### INFORMAÇÕES DE CONTACTO

Ligar 939 200 733

life.agueda@uevora.pt

### MAIS INFORMAÇÕES

Sobre

Página do projeto LIFE ÁGUEDA - Ações de conservação e gestão para peixes migradores na bacia hidrográfica do Vouga (LIFE16 ENV/PT/000411)

Comunidade

### HISTÓRIA

A nossa história

O projeto LIFE ÁGUEDA - Ações de conservação e gestão para peixes migradores na bacia hidrográfica do Vouga (LIFE16 ENV/PT/000411), tem como objetivo principal a mitigação de obstáculos que estejam a limitar o habitat disponível para os peixes

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# Thank you!

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