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

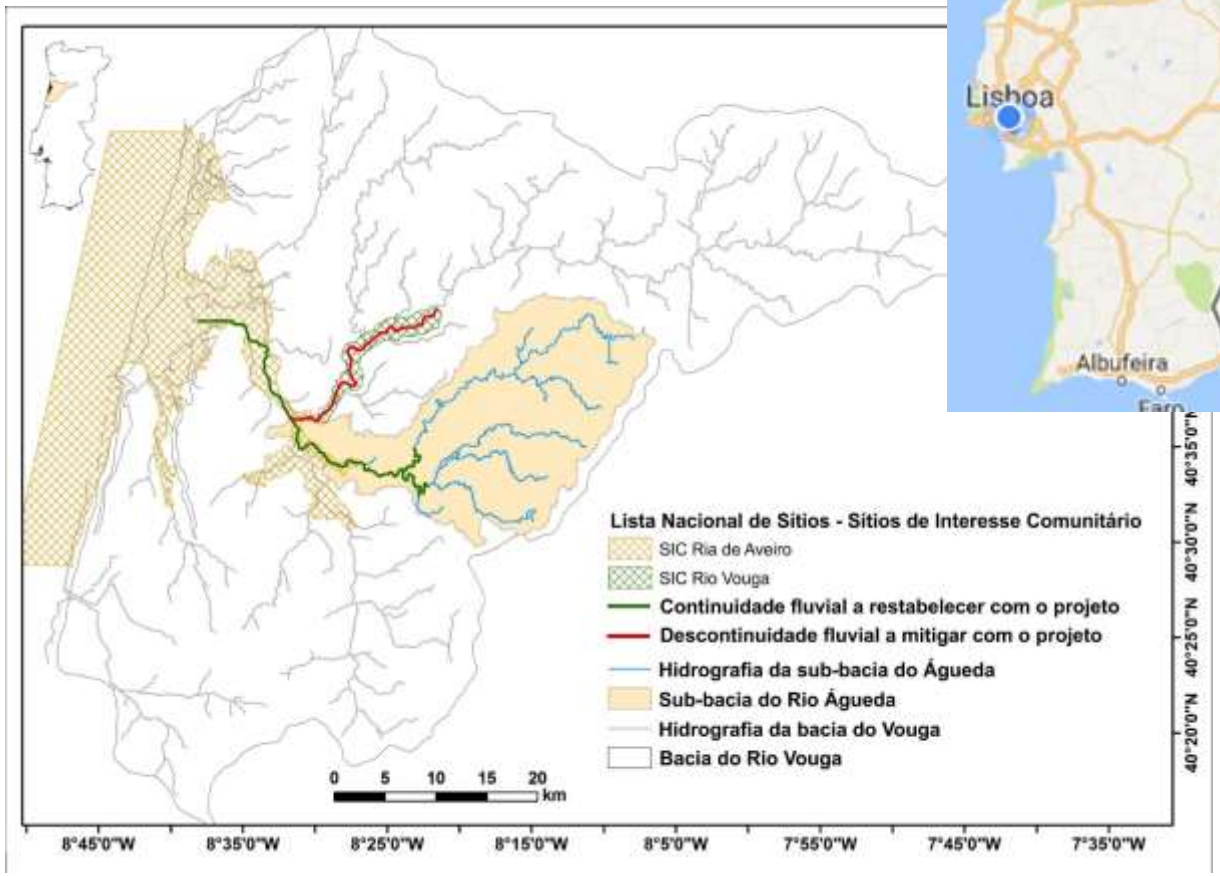
(LIFE16 ENV/PT/000411)

Focal Point Hungary
01.10.2018

UNIVERSIDADE DE ÉVORA
MARE
ÁGUEDA CÂMARA MUNICIPAL
AQUALOGUS Engenharia e Ambiente
CÂMARA MUNICIPAL DE MORA
FLUVIÁRIO DE MORA
DOCAPESCA PORTOS E LOTAS, S.A.

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 &

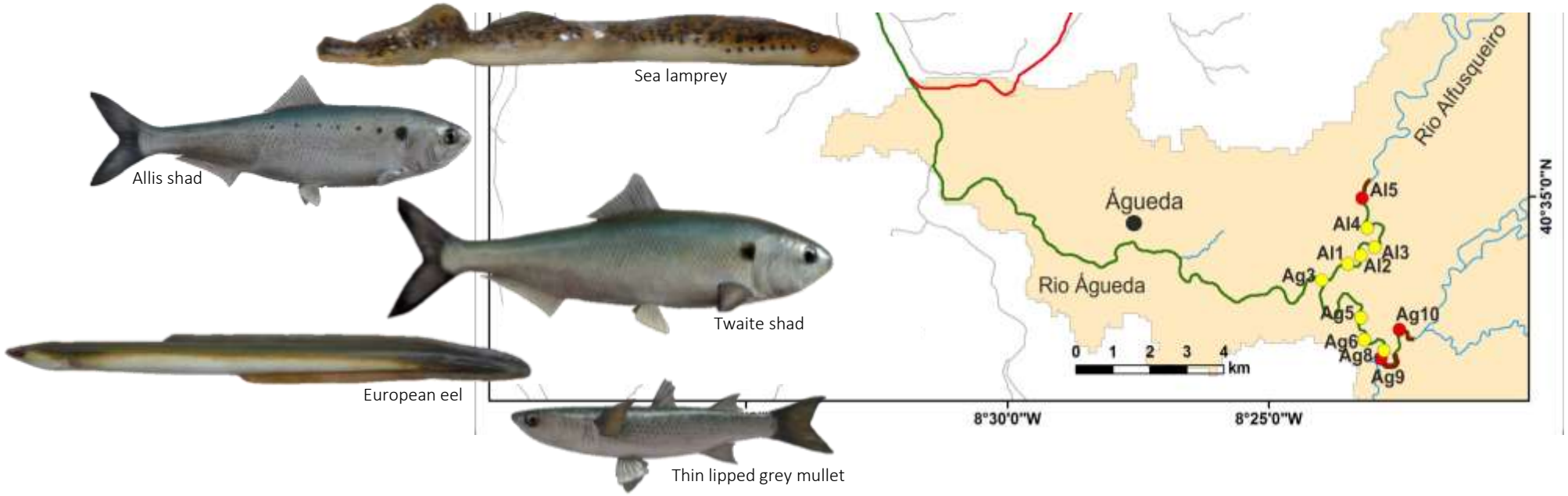
Proposed Solutions

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)

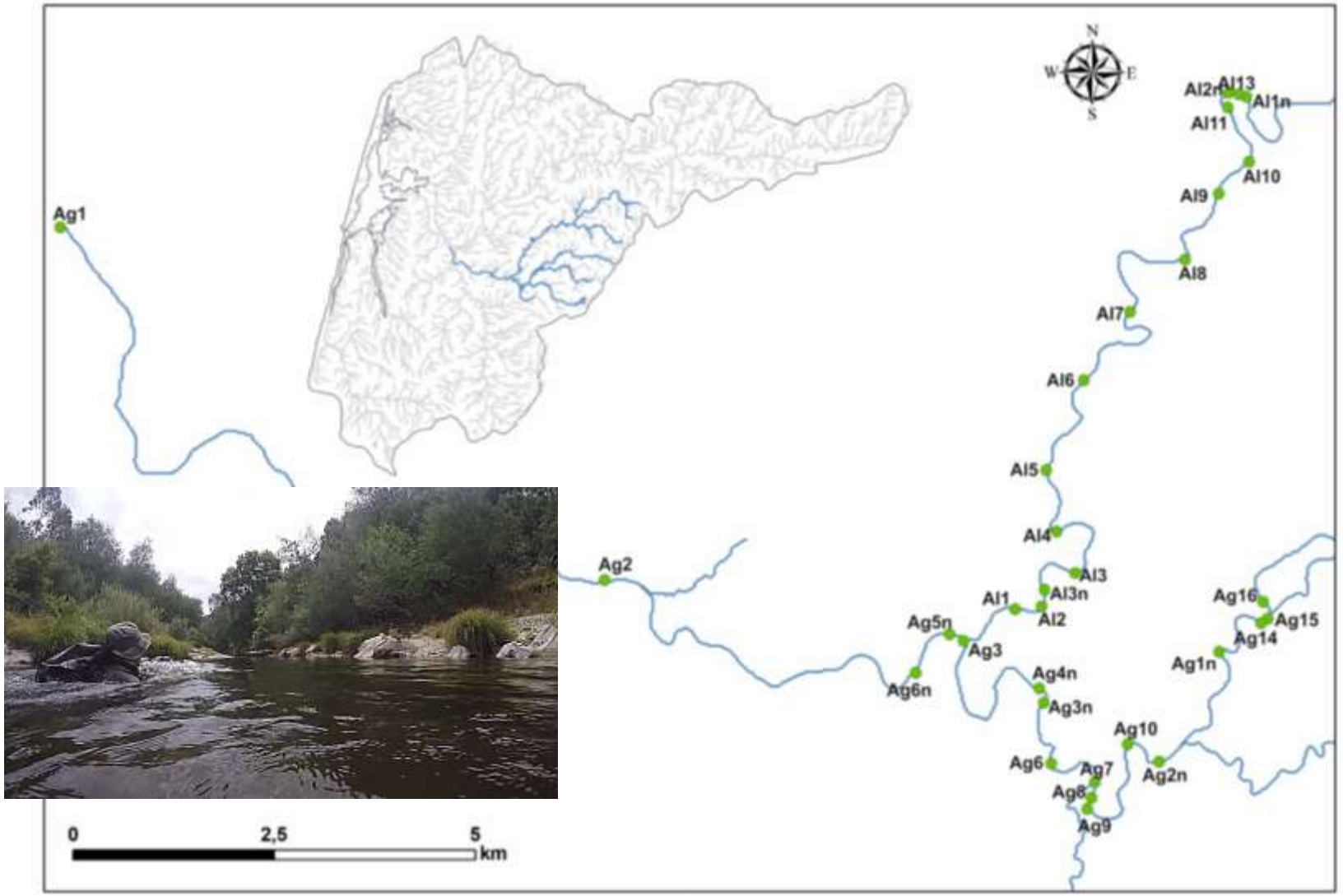
- Elimination of river discontinuity in rivers Águeda and Alfusqueiro, effectively ensuring the recovery and re-naturalization of river habitats towards a Good Ecological State (WFD) for migratory fish.



Proposed solutions (1)

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

- Installation of nature-like fish passes



Obstacles' update and identification:

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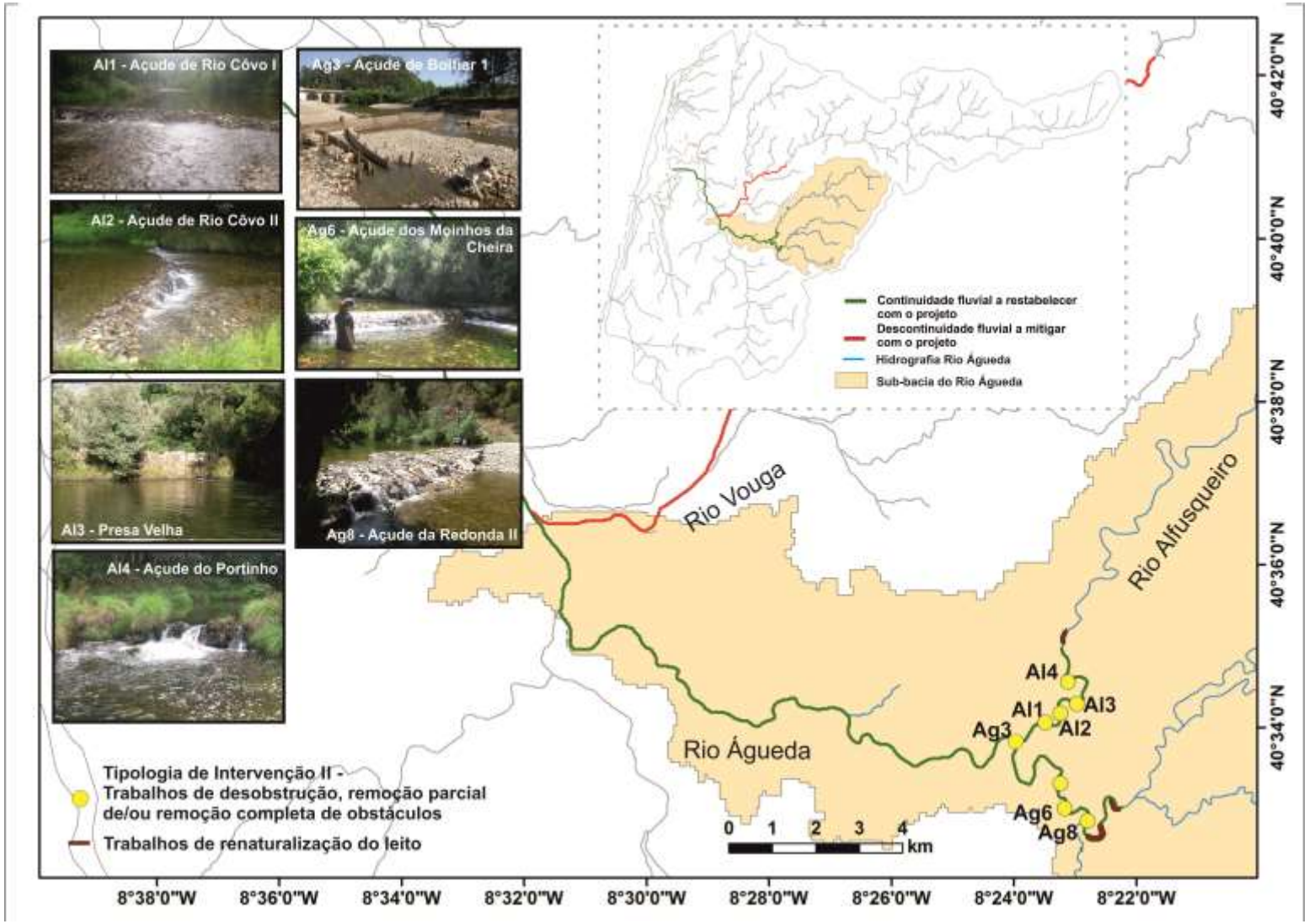
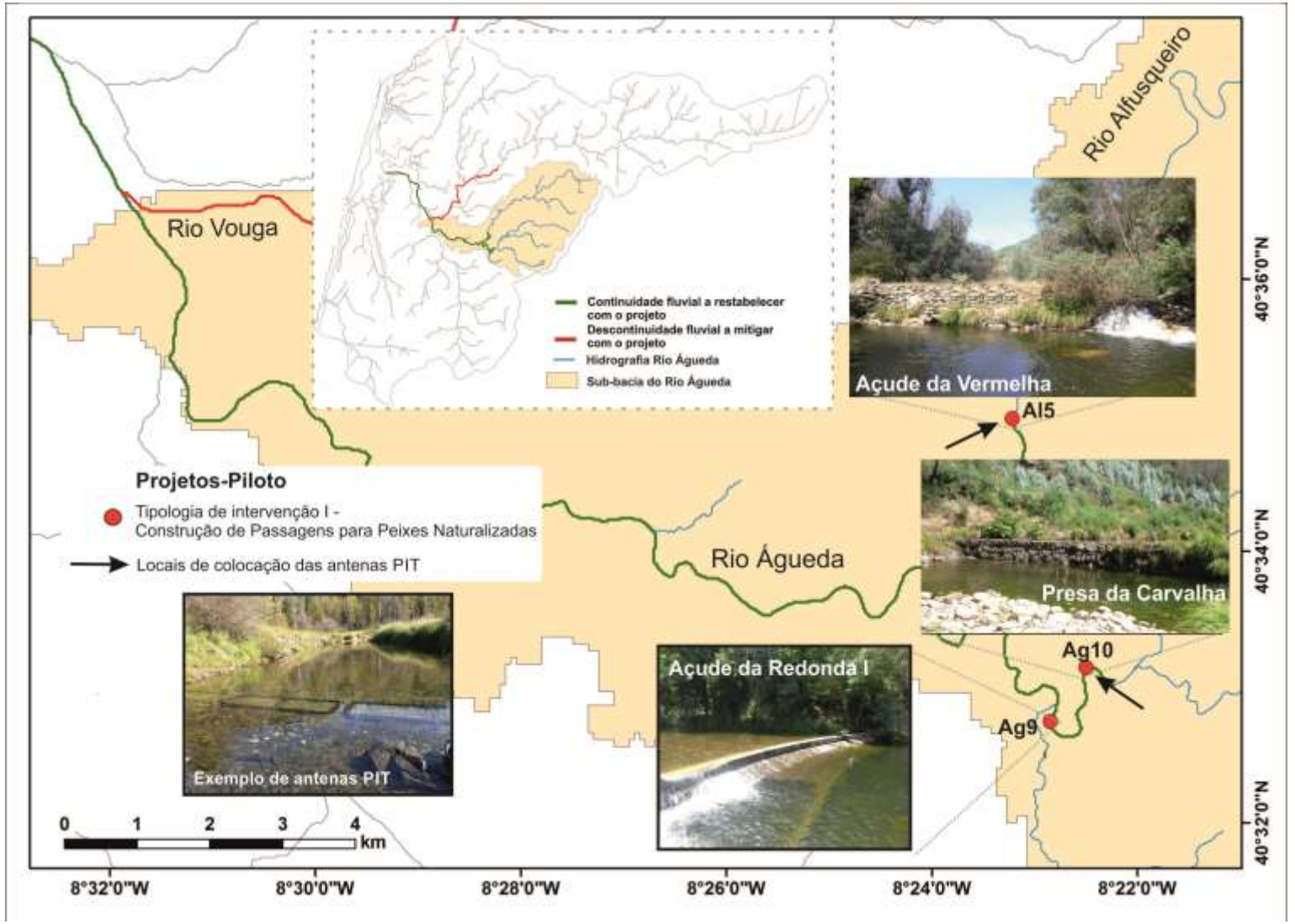


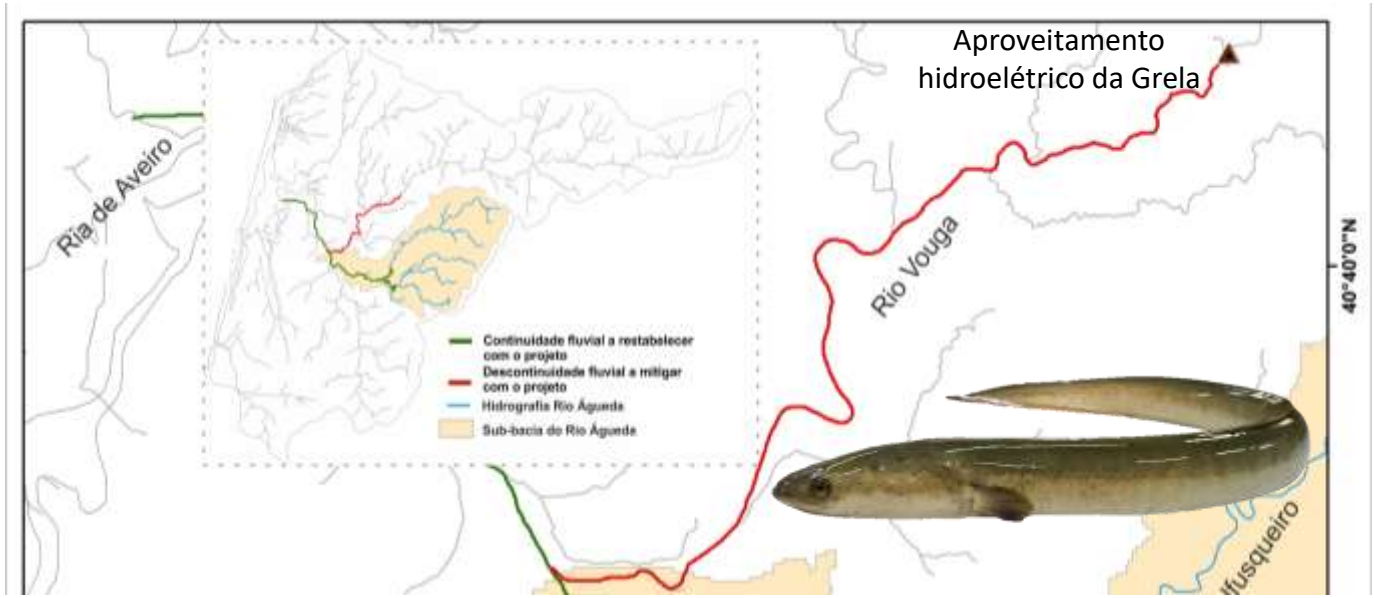
Obstacle removal and river bed renaturalization



Mitigation of unsurmountable obstacles

Specific Objectives (2)

- Mitigation of the effects of unsurmountable dams on the nearby River Vouga



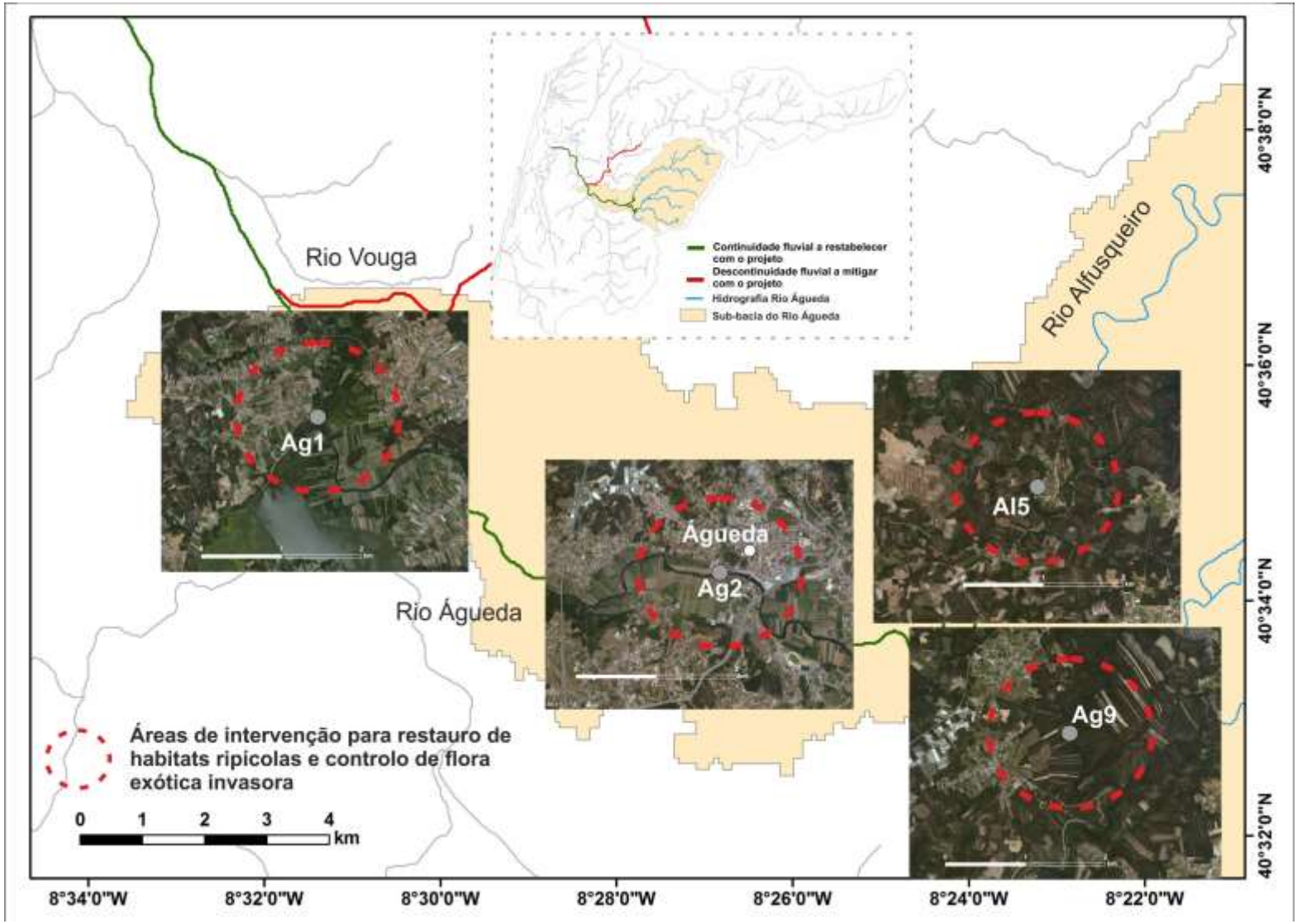
- Pilot translocation program of juvenile European eels

  (European eel Management Plan, EMP)

Specific Objectives (3)

- re-naturalization of marginal riparian habitats → **European Biodiversity Strategy, EBS**

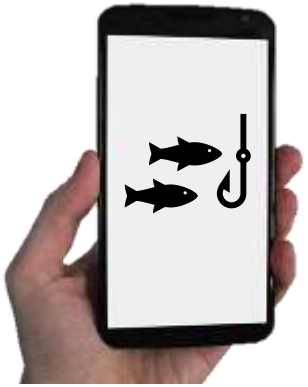
- Riparian habitat restauration
- Control of Invasive Alien Species (e.g. *Acacia sp.*)

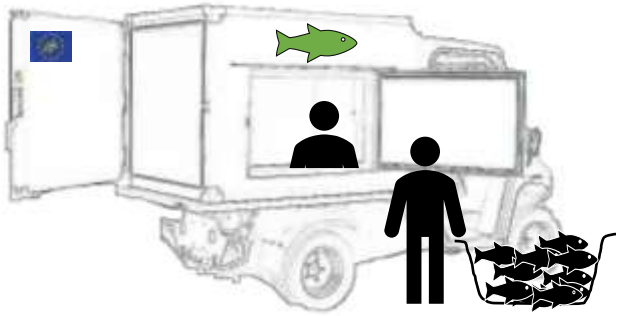


Riparian habitat restoration

Recreational and commercial fisheries management

- Anglers' engagement for fish monitoring (development of a mobile App)
- Market differentiation and fish valorization (pilot mobile auctions and label of origin)





Stakeholders engagement and compatibility of ecosystem uses

Pre and post-operational monitoring

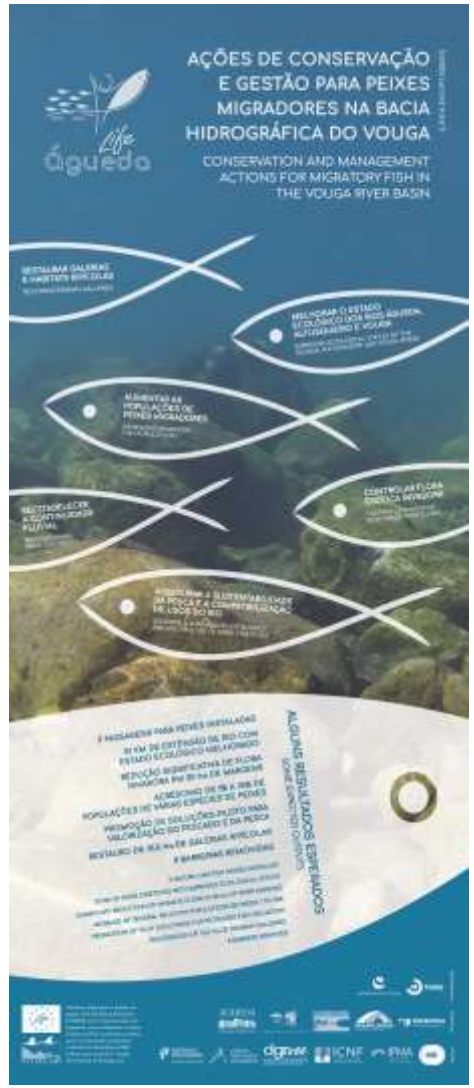
- Distribution and abundance of European eel, sea lamprey, trout
- Movement and migratory patterns of anadromous and potamodromous species - radio telemetry
- Dispersion pattern of migratory fish species - PIT-tags
- Inquiries to the fishermen community in Vouga and Mondego River basins

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, Spain

Peixe em Lisboa 2018, Lisbon, Portugal

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

INTER LIFE PT 2018, Fundão, Portugal

World Fish Migration Day 2018, Formoselha weir (Mondego River)

- Public presentation of LIFE Agueda (18 May 2018)

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

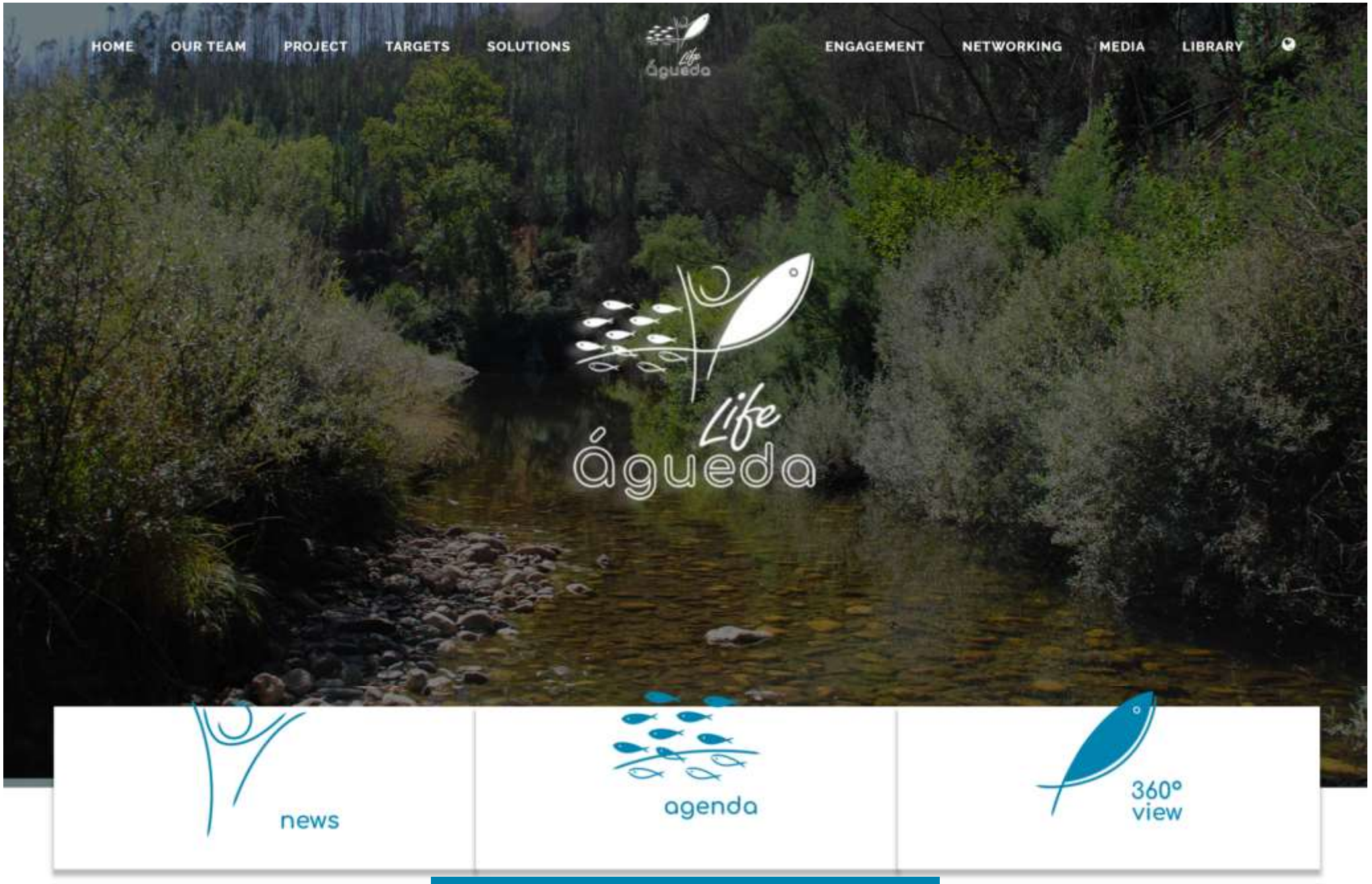
Public presentation, Águeda, Portugal

Biomark's workshop, MARE and Fac. Sciences – University of Lisbon, Portugal

- Summer vacation occupational program (Jun-Jul 2018), River Alfusqueiro

Expected Impacts

	Indicator	Estimated Impact	Change (%)
Water	• Improved Structure of Riparian Galleries (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



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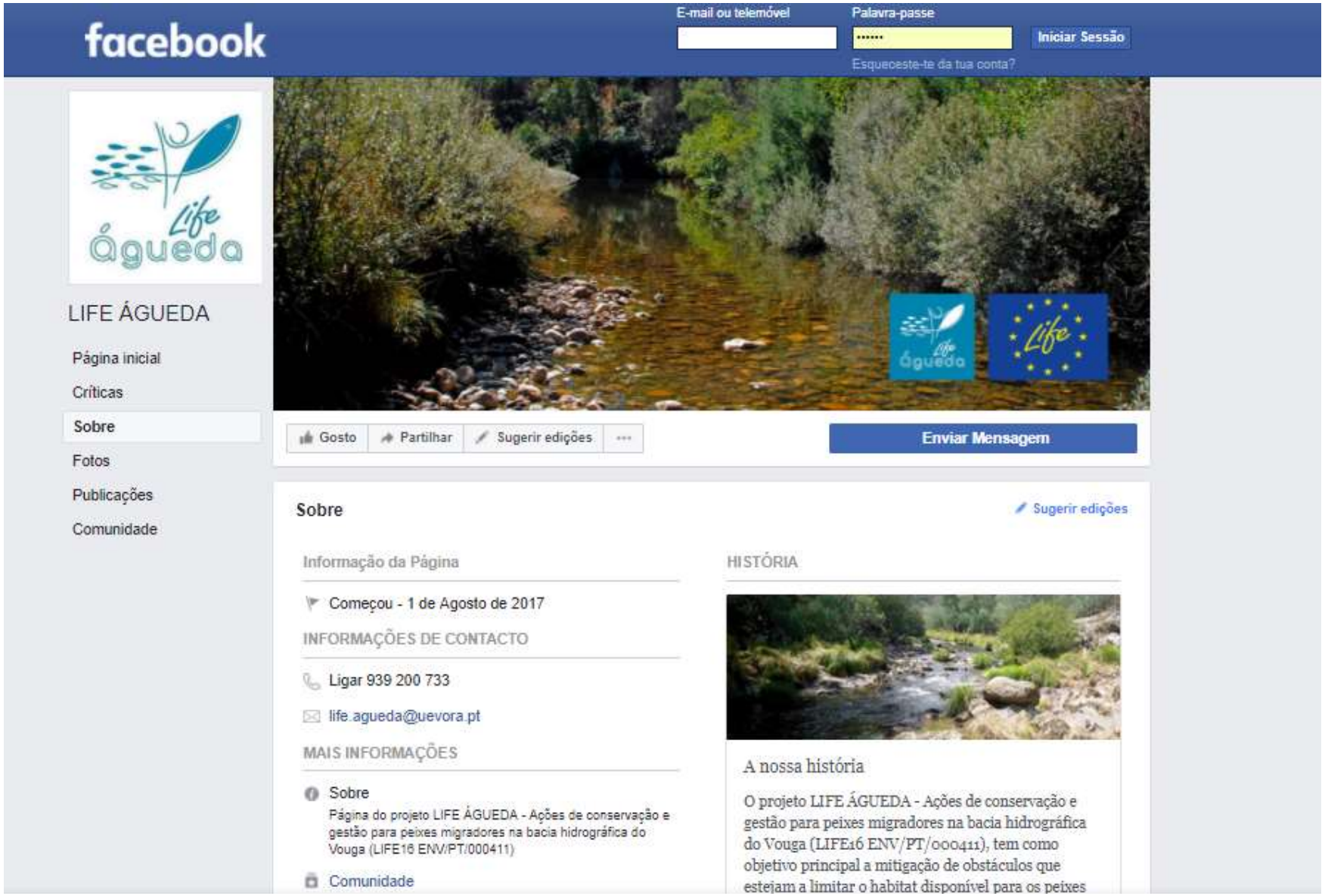

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Thank you!

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