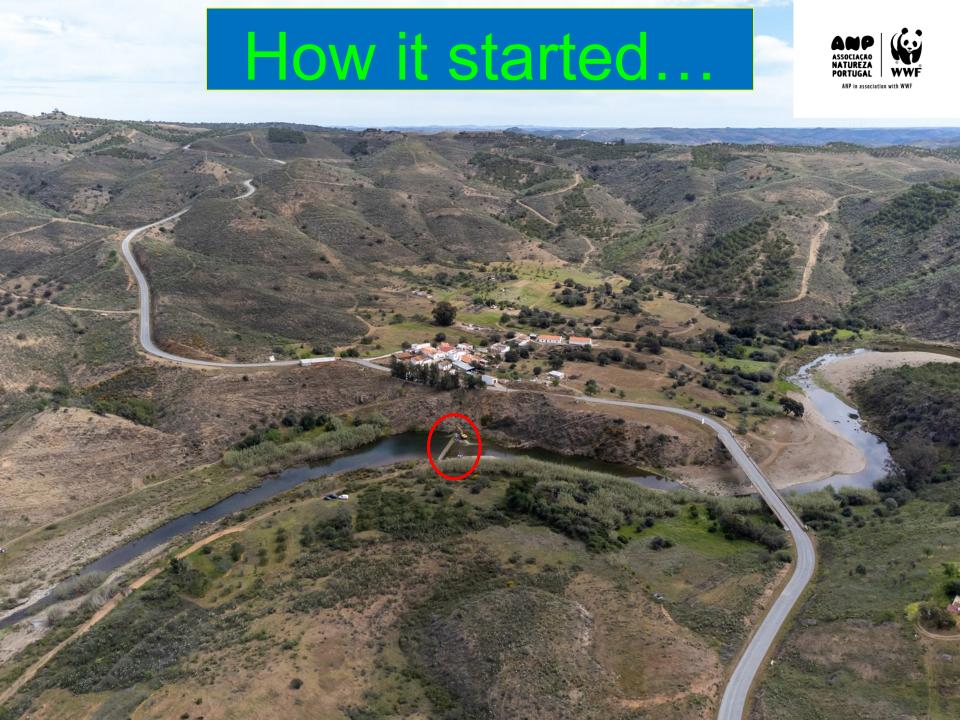


Galaxes weir removal: an ORPfunded project kickstarting the civic movement for the restoration of river connectivity in Portugal



PORTUGAL



- > 8000 Hydraulic infrastructures
- ~260 large dams different uses (e.g., irrigation, public supply & energy production)





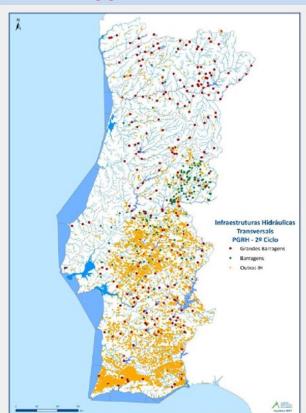


BARRIERS IN PORTUGAL

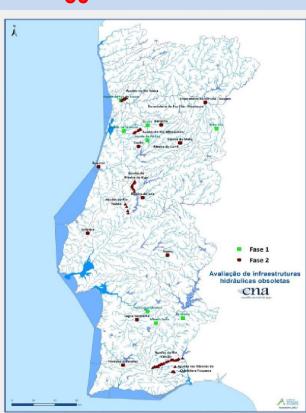


TF National Strategy for Obsolete Hydraulic infrastructures removal (2017)

7687 530 ~60







barriers identified by the HRMP 2016-2021

selected barriers based on WFD (basins >10km²)

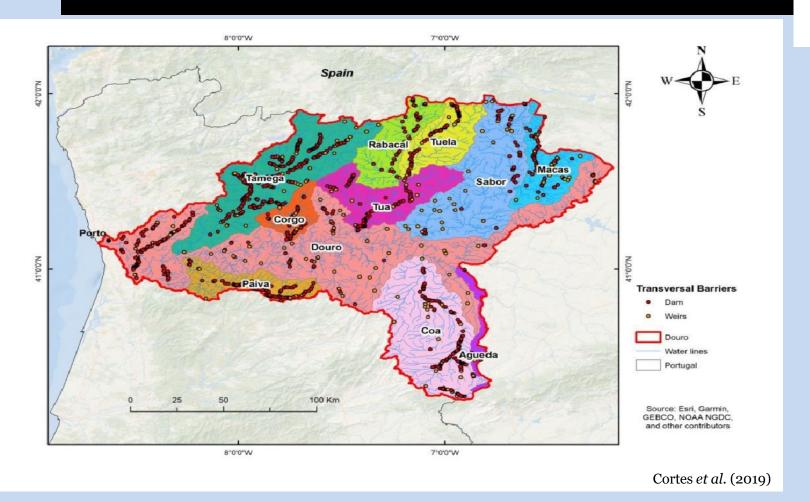
barriers prioritized for removal; wanted to remove 8.

2 removed!

New dam!! (Pisão)

BARRIERS in the DOURO BASIN





- 1201 (TF identified 100)
- > 25 % (**255**) obsolete!

STATE OF THE



2021







108

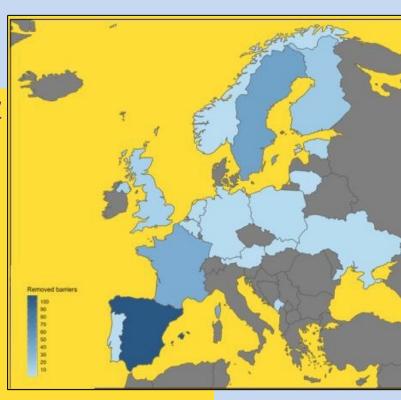
40

39

ART



https://damremoval.eu/report-2021/



State State to the State of State of

ANP WWF PT Dam Removal Pro



(Activ. 6.1.2 'Identification of priority stretches for restoration' of the **Reconnecting Iberian Rivers** project)





- Identify removable barriers & their potential for reconnecting rivers
- Owners and legal procedures









Restored 7.7 km of river connectivity



➤ Improved habitat for Saramugo, eel, otter, Iberian lynx





- Meeting to inform local community
- ☐ Environmental education session in a local school
- Several meetings with relevant stakeholders
 (Strenghtened relationships with ICNF and APA)
- Fish and sediments sampling and visual materials
- Communication/Awareness tools to scale up DR in Portugal

Policy Brief on River Restoration (mostly DR)



RESTAURO

60% dos rios, lagos e zonas húmidas da UE não são saudáveis e a Europa





aquáticas, e uma das principais é a remoção dos obstáculos - barreiras fluviais

Free to download (in Pt):

https://wwfeu.awsassets.panda.or g/downloads/policy brief damrem oval.pdf

> Pop-Up Book on River Restoration (DR)

Petition for DR to be included in

the PT Government's state budget



Memory Card Game









- Other 4 EoIs approved:
- Odeleite and Vascão Streams
- **Sabor** River
- **Sousa** River
- **Perofilho** Stream (Removal upcoming!)

 Other 2 proposals submitted (Oeiras River)

 Co-hosted 7th Dam Removal Europe International Seminar

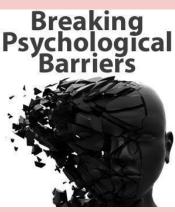




CHALLENGES (Lessons learnt)



- Agriculture lobby & public beliefs:
 - 75 % water used for agriculture;
 - "river reaching the sea is wasted gold"
 - Public perception of water availability
- Lack of legal framework for removal
- Incipient funding
- Lack of awareness on dam impacts/DR benefits
- Lack of Technical Expertise





WAY FORWARD

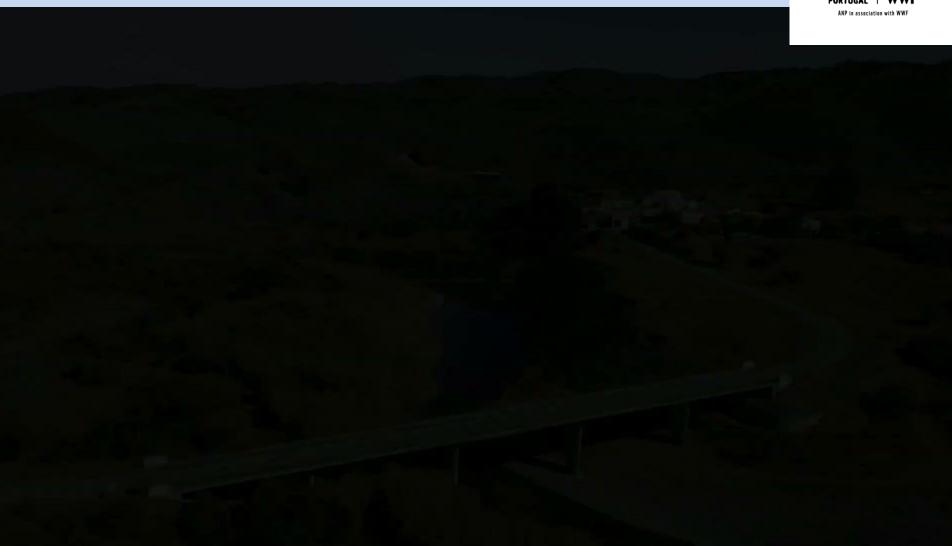


Government & investment Funds (Scaling up!!)
 (More/better synergies between civic society & government)

Endorse DR in National Law and Basins
 Management Plans

Increase Awareness







Thanks to:





Additional co-funding gathered by WFMF

Iberian desman (Galemys pyrenaicus)









Q2: How many for hydropower? How many >10MW and <10MW?



~120 Small & 59 Hydroelectric Power Plants in operation. 49 HPs → >10MW capacity.

All Small + ~15 HPs with 10/30 MW capacity → total installed capacity of > 660 MW.

Q3: Who owns or is responsible for them?

APA manages the water domain, and HPPs are granted to companies (e.g., EDP, Iberdrola), while those for irrigation belong to municipalities. Some are built for waste management from mines and other industrial activities (e.g., SOMINCOR).

Q4: Do dam permits expire and if so, how long are the permits for? Licensing maximum 75 years (APA site).

Q5: Do dam permits include obligations for nature e.g. Fishways, e-flows etc. As far as we know, no.

Q6: Is there a procedure to revisit obligations in the permits?

No. Law doesn't foresee dam removal at the end of concession, but the reversal to the State.

Q7: Do your River Basin Management Plans/similar include dam removal?

No, and there is not a budget for this either.