

# Supplementary Materials: Undamming the Douro River Catchment: A Stepwise Approach for Prioritizing Dam Removal

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## Barriers Database (for the Douro River Basin, Portugal)

### Layer name – Barriers\_douRoPT

Field Name	Database Type	Description
Cod_ident	Text	
Weirs name	Text	Name of the barrier, if it exists.
Category	Short Integer	River category.
Type	Short Integer	Obstacle type.
Doubt	Short Integer	Always point out that the photo interpreter has doubts about the existence of an obstacle. Information to be validated in the fieldwork.
Weirs type	Short Integer	Material used in the construction of the barrier.
Regolfo	Short Integer	Presence or absence of elevation of the water level upstream of an obstacle located in the riverbed.

<b>Mill</b>	Short Integer	Presence or absence of water mills or water intake.
<b>Levada</b>	Short Integer	Presence or absence of water intake.
<b>Galer type</b>	Short Integer	Characterization of the river curtain at 100 m upstream and downstream of the obstacle.
<b>Land use</b>	Short Integer	Characterization of the dominant land use in the area surrounding the obstacle (1km radius).
<b>Auto ac</b>	Short Integer	Describes the quality of the road access network to the obstacle, for 4x4 vehicles.
<b>Pedonal ac</b>	Short Integer	Describes the quality of the road access network to the obstacle, for people.
<b>Desc use</b>	Short Integer	Description of use
<b>Country</b>	Short Integer	Country where obstacle is located
<b>Observation</b>	Text	
<b>Xx</b>	Short Integer	Coordinate X (ETRS PTM 06)
<b>Yy</b>	Short Integer	Coordinate Y (ETRS PTM 06)
<b>Dicotow</b>	Short Integer	<b>District County Town</b> Code
<b>Fish_pass</b>	Short Integer	Presence or absence of fish passage

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**Field - Category**


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<b>Value</b>	<b>Description</b>
1	Principal
2	Secondary

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**Field – Type**

Value	Description
1	Dam
2	Weirs
3	Manila
4	Others

**Field – Doubt**

Value	Description
1	Yes
2	No

**Field – Weirs Type**

Value	Description
1	Riprap
2	Concrete
3	Land
4	Others

**Field – Regolfo**

Value	Description
1	Yes
2	No

**Field – Mill**

Value	Description
1	Yes
2	No

**Field – Levada**

Value	Description
1	Yes
2	No

**Campo – Gallery Type**

<b>Value</b>	<b>Description</b>
1	Continue
2	Sparse
3	nonexistent

**Field – Land use**

<b>Value</b>	<b>Description</b>
1	Agricultural
2	Bush
3	Forest
4	Others

**Field – Auto access**

<b>Valor</b>	<b>Description</b>
1	No access
2	Bad
3	Good
4	Reasonable

**Field – Pedonal access**

<b>Value</b>	<b>Description</b>
1	No access
2	Bad
3	Good
4	Reasonable

**Field – Desc aprov**

<b>Value</b>	<b>Description</b>
1	Irrigation
2	Large-hydro
3	Recreation
4	Mills

5 Mini -hydro

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**Field – Fish\_Pass**

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Value	Description
1	Yes
2	No

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**Field – Barrier shape**

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Value	Description
1	Concave
2	Linear

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