

POWERPOINT: a graphic and audiovisual record of Portuguese dams

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Abstract

Energy infrastructure is a material infrastructure that allows the production, transport and storage of different forms of energy (power plants and grids, oil pipelines, gas pipelines). It is the artifact that transforms and channels the elements of the environment (water, air, energy, resources) into flows, fluids or combustible matter. Infrastructure is the engine of the territory that is transformed¹.

The POWERPOINT project is a research initiated in 2019, together with CEACTION/UAL and with the support of the EDP Foundation, which aims to build the first graphic and audiovisual record of Portugal's hydroelectric history, from the presentation of thirty paradigmatic cases in the conformation of the system of electrical production infrastructures, using various means of graphic and audiovisual representation. This material is part of the doctoral thesis with the same title, in which the relationship between dams, political power and territory as a project is explored.

The representation of territory is not a mere descriptive operation, but one that deals with the epistemological challenges of how to know, understand and study territorial processes and conditions.

The series of images presented here aims to describe the methodology and survey protocol used in the project, which will inform, from different angles, the graphic version of a territorial record.

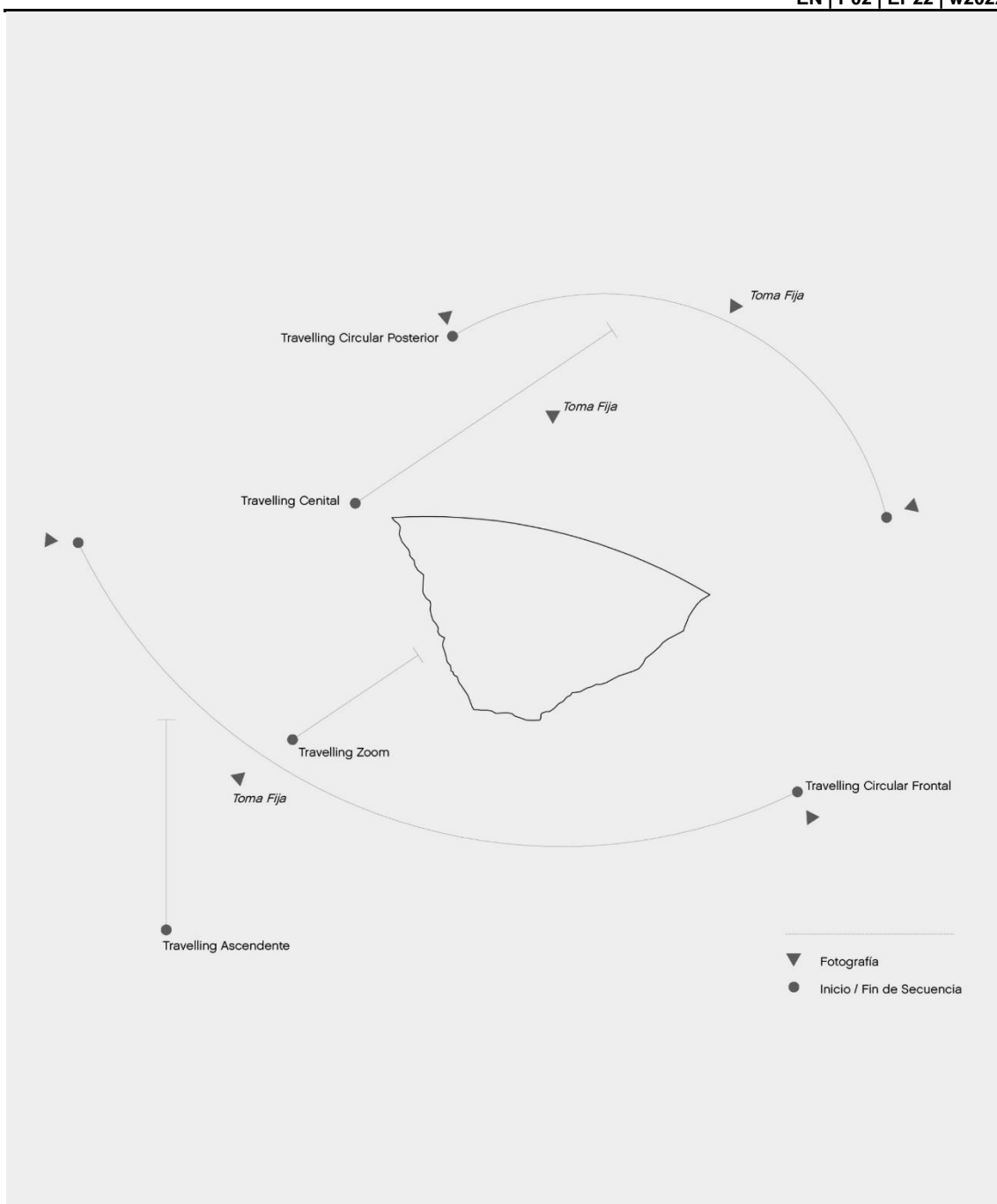
This inventory aims to graphically expose the elements that started an electric landscape and that can help to understand the complexities, conflicts and the future of these infrastructures, as well as the development of the territory and its changes.



Using drawing as a common field of knowledge, photography as a family chronicle and video as a documentary exercise, the project seeks to portray dams by describing their various typologies and contexts.

Keywords: dams, infrastructures, territory, inventory, representation

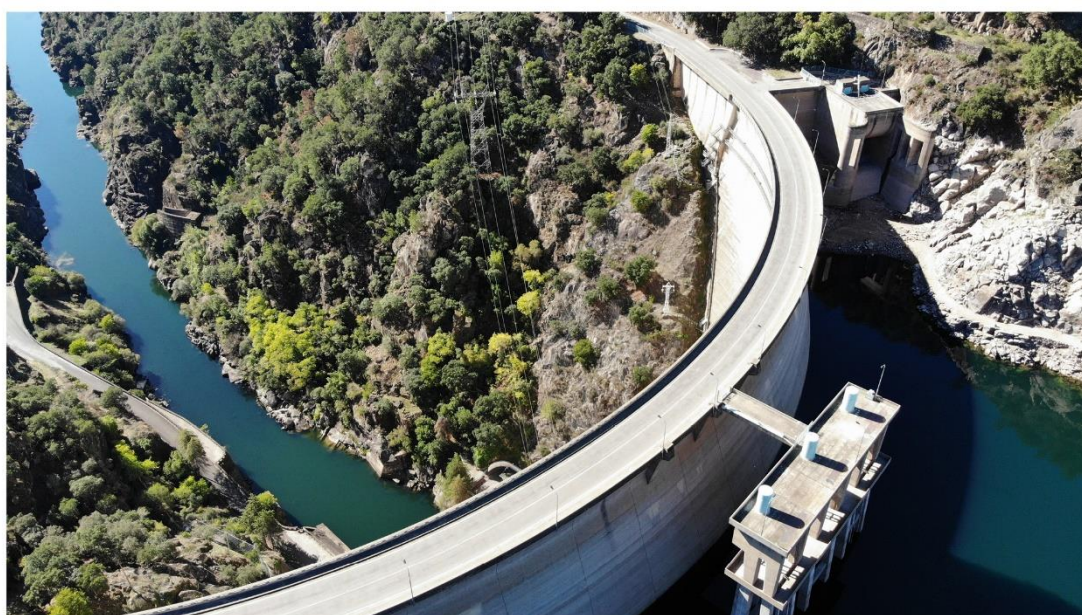
¹ LOPEZ, Fanny – L'ordre électrique. Infrastructures énergétiques et territoires. Genève: Métis Presses, 2019.



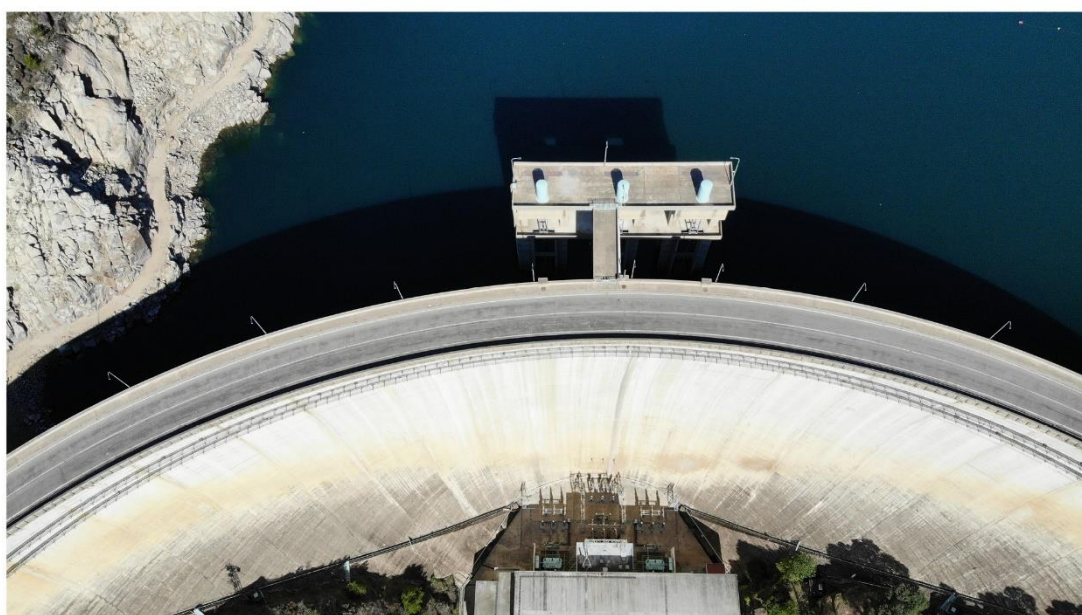












CABRIL



UTILIZAÇÕES

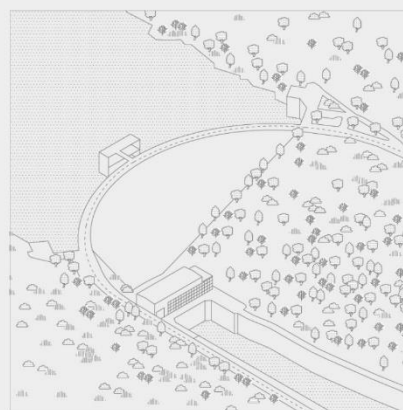
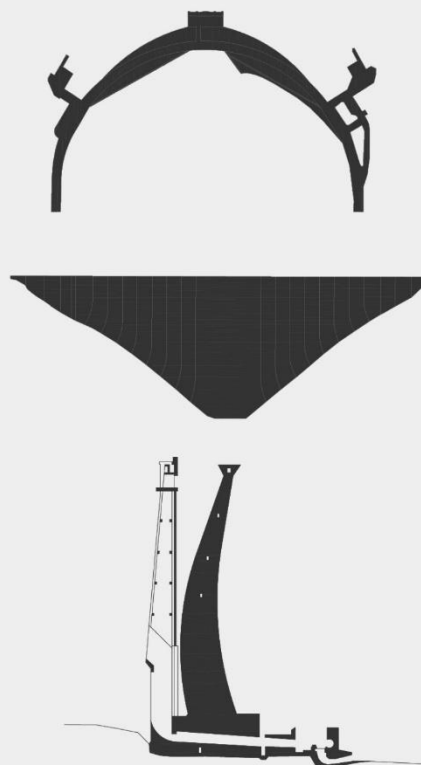
Energia

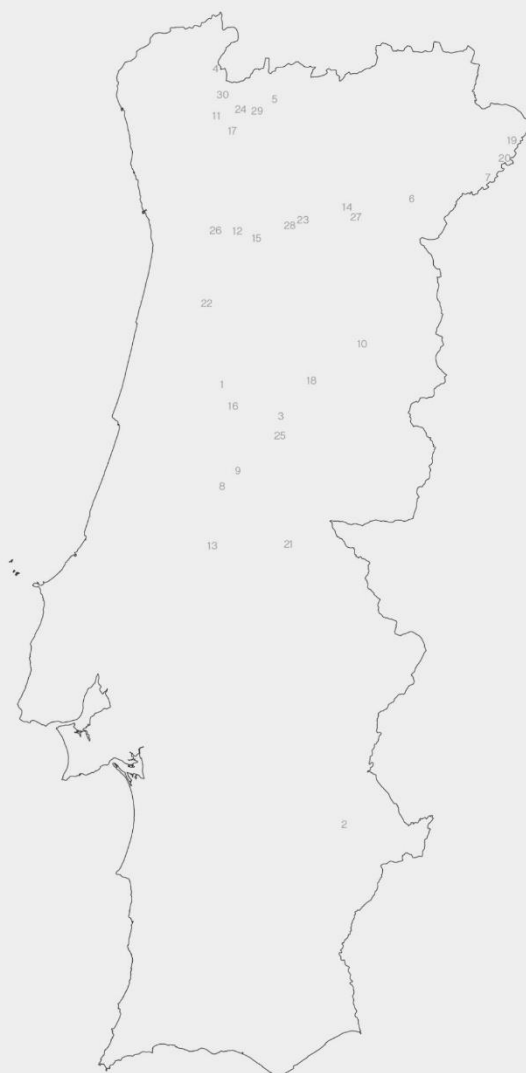
LOCALIZAÇÃO

Distrito	Castelo Branco
Concelho	Sertão
Local	Cabril
Bacia Hidrográfica	Tejo
Linha de Água	Rio Zézere

CARACTERÍSTICAS DA BARRAGEM

Betão -	Abóboda de dupla curvatura
Altura acima da fundação -	132 m
Cota do coroamento -	297 m
Comprimento do coroamento -	290 m
Fundação -	Granito
Volume de betão -	360 x 1000 m3





- 1 Aguiçeira
- 2 Alqueva
- 3 Alto Ceira II
- 4 Alto Lindoso
- 5 Alto Rabagão
- 6 Baixo Sabor
- 7 Bemposta
- 8 Bouça
- 9 Cabril
- 10 Caldeirão
- 11 Caniçada
- 12 Carrapatelo
- 13 Castelo de Bode
- 14 Foz Tua
- 15 Freigil
- 16 Fronhas
- 17 Guilhofrei
- 18 Lagoa Comprida
- 19 Miranda
- 20 Picote
- 21 Pracana
- 22 Ribeiradio-Ermida
- 23 Régua
- 24 Salamonde
- 25 Santa Luzia
- 26 Torrão
- 27 Valeira
- 28 Varosa
- 29 Venda Nova
- 30 Vilarinho das Furnas

