

Project of common interest:

2.28.3

#### COUNTRIES INVOLVED

Spain (ES)

#### PROJECT PROMOTERS

NO DATA

#### BASIC TECHNICAL DATA

Capacity: Pmin: -3400 Mw Pmax:  
2756 Mw Maximum stored energy:  
34,9 Gwh

Power of the compressor station: 400  
kv.

Voltage: 400 kv.

Length: 137 km High voltage overhead  
lines (400 kv)

#### LOCATION

Terres de l'Ebre, Tarragona (ES)

#### COMMISSIONING DATE

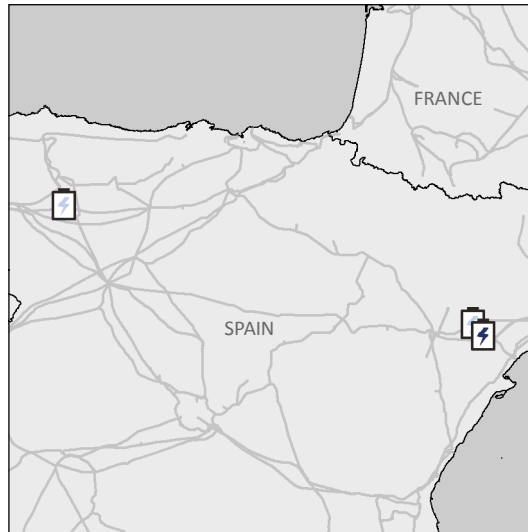
2027


#### LAST UPDATE

March 2018

## Electricity interconnection


### North-South electricity interconnections in Western Europe

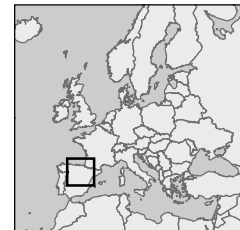


 PCI 2.28.3 - Electricity storage

 Existing power grid

Projects belonging to cluster 2.28

 Electricity storage



Source: PLATTS, GISCO, European Commission

#### Definition

2.28.3 - Hydro-pumped electricity storage Girones & Raïmats (ES)

#### Cluster

PCI 2.28.3 - belonging to cluster 2.28: Cluster 2.28

#### Type of technology employed

The two Pumped Hydroelectric Storage stations, GIRONES & RAÏMATS of 3400 MW pumping and storage capacity of 34.9 GWh (34904 Mwh) will be build in two phases depending of the demand scenario. The total flow requested of 762 m<sup>3</sup>/s comes to pump the volume of water between the elevation 70 (normal maximum level of the Riba-roja's reservoir) and a decrease of 1.5 m over a period of 8 hours on continued operation

#### Implementation status

Under consideration