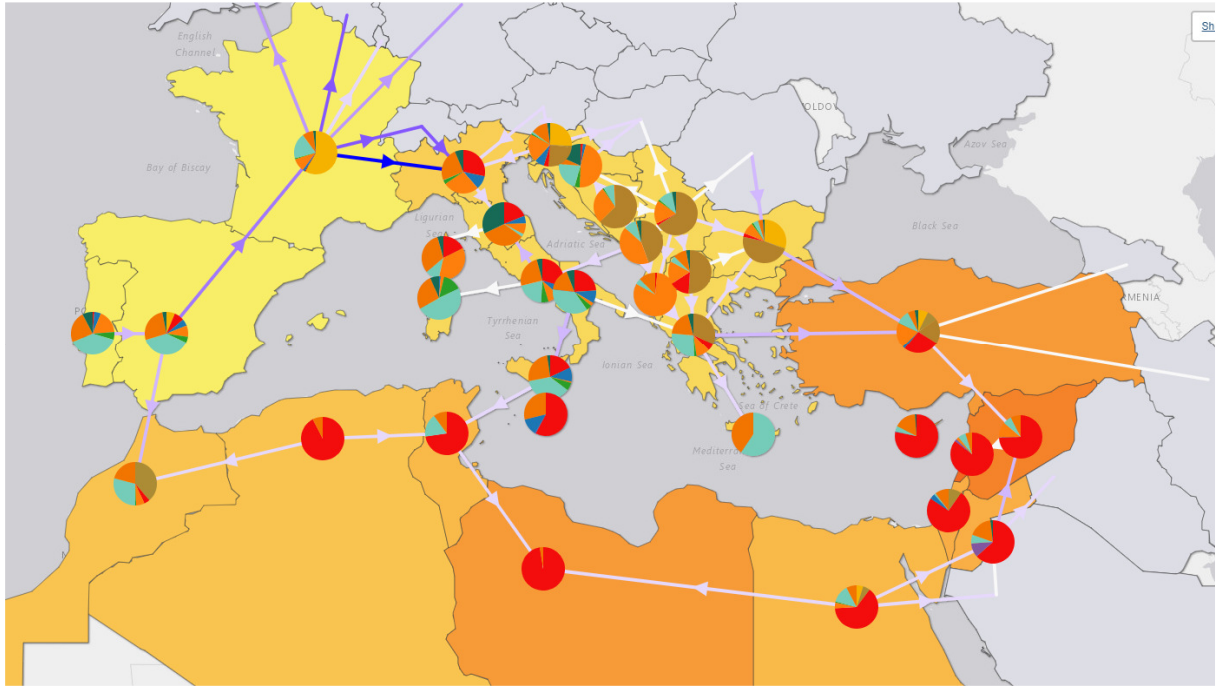


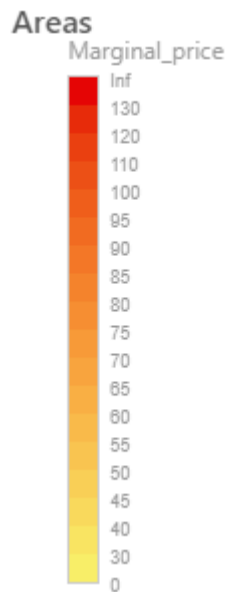
# Interpretation of Maps generated with AntaresViz

**Perimeter :** all mediterranean countries



**Color of the Market nodes :**

The color refers to the average annual marginal price (€/MWh)



## Area naming

Market node Code	Country or area
AL00	Albania
BA00	Bosnia and Herzegovina
CY00	Cyprus
DZ00	Algeria
EG00	Egypt
ES00	Spain
FR00	France (continental)
FR15	France (Corsica)
GR00	Greece (continental)
GR03	Greece (Creete)
HR00	Croatia
IL00	Israel
ITCN	Italy (Central North)
ITCS	Italy (Central South)
ITN1	Italy (North)
ITS1	Italy (South)
ITSA	Italy (Sardinia)
ITSI	Italy (Siciliy)
JO00	Jordan
LB00	Lebanon
LY00	Libya
MA00	Morocco
ME00	Montenegro
MT00	Malta
PS00	Palestine
PT00	Portugal
SI00	Slovenia
SY00	Syria
TN00	Tunisia
TR00	Turkey

### Data accessible for each market node

The pie-chart represents the share of annual generation by fuel type, with the following color code :

- Nuclear
- Coal
- Lignite
- Gas
- Oil
- Others\_non-renewable
- Hydro\_generation
- Battery\_discharge\_&\_turbine
- Wind
- Solar
- Other\_renewables

Clicking on a Market node gives access to numerical data

Market node code : cf. Area naming table

es00

Nuclear :	20.33
Coal :	0
Lignite :	0
Gas :	23.96
Oil :	0
Others_non-renewable :	16.45
Hydro_generation :	27.16
Battery_discharge_&_turbine :	14.81
Wind :	123.28
Solar :	85.38
Other_renewables :	9.86
Marginal price :	24.55
Dumped_energy :	5.15
Demand :	278.98
Battery_storage_&_pumping :	-20.09
Balance :	16.99
CO2_emissions :	15.82

Annual generation by type of fuel :

- Unit : TWh per year
- Wind and Solar : generation not considering RES curtailment
- Battery\_discharge\_&\_turbine : includes generation from hydro pumped storage

Marginal price :

- Unit : €/MWh
- Mean hourly value over one year

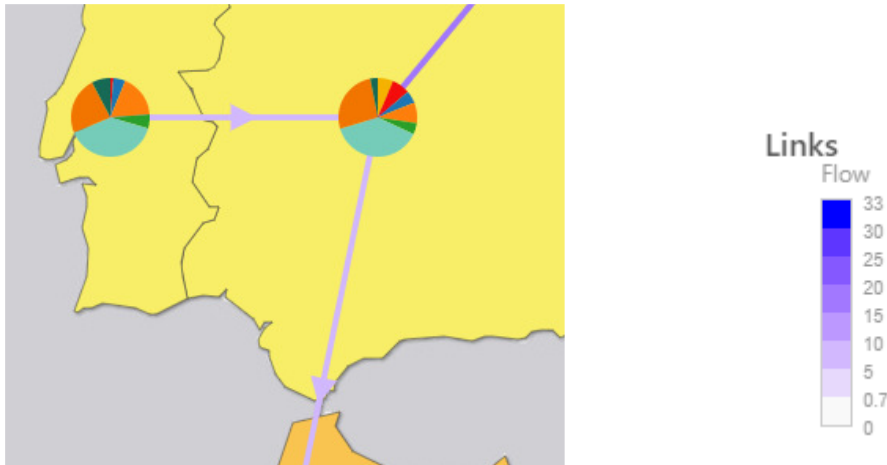
Annual demand and balance :

- Unit : TWh per year
- Dumped\_energy : RES curtailment
- Demand : including grid losses
- Balance : equal to [annual generation] – [RES curtailment] – [demand] – [Storage]

CO2 emissions :

- Unit : Mt CO2/year

### Data accessible for each interconnection



The color of the link gives an indication on the annual energy exchanged, unit is TWh by year.

The arrow is oriented according to the yearly average.

Clicking on the link gives access to numerical data

The screenshot shows the following data for the interconnection 'es00 - ma00':

es00 - ma00
Flow : 7.04
transCapacityDirect : 900
transCapacityIndirect : 600

Callout boxes provide the following information:

- Interconnection code**
  - Between two Market nodes
  - Oriented : example from Spain to Morocco
- Annual flow, oriented :**
  - Unit : TWh / year
  - Oriented : ex annual exchange is 7.04 TWh/year, a positive value meaning that the majority of flow is from Spain to Morocco on a yearly base
- Exchange capacity, oriented**
  - Unit : MW
  - Direct capacity : from Spain to Morocco (900 MW)
  - Indirect capacity : from Morocco to Spain (600 MW)