

Interreg

CENTRAL EUROPE



European Union
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Maribor / Slovenia 10.4.2018



Presentation of Electricity Map: Live CO2 emissions of the European electricity consumption



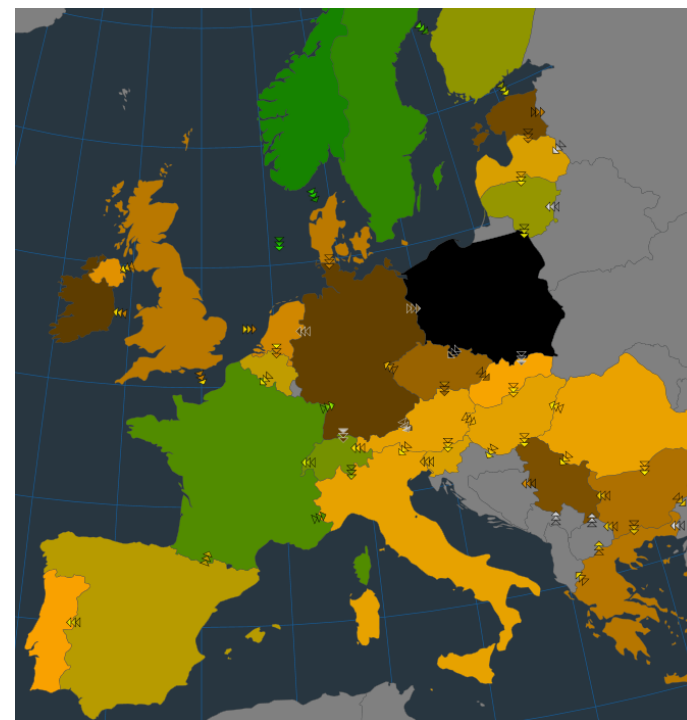
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Visualisation of:

- **emissions** of electricity generation
- renewable energy **potential**
- Carbon intensity in the last 24 hours
- Origin of electricity in the last 24 hours

Check out:



www.electricitymap.org



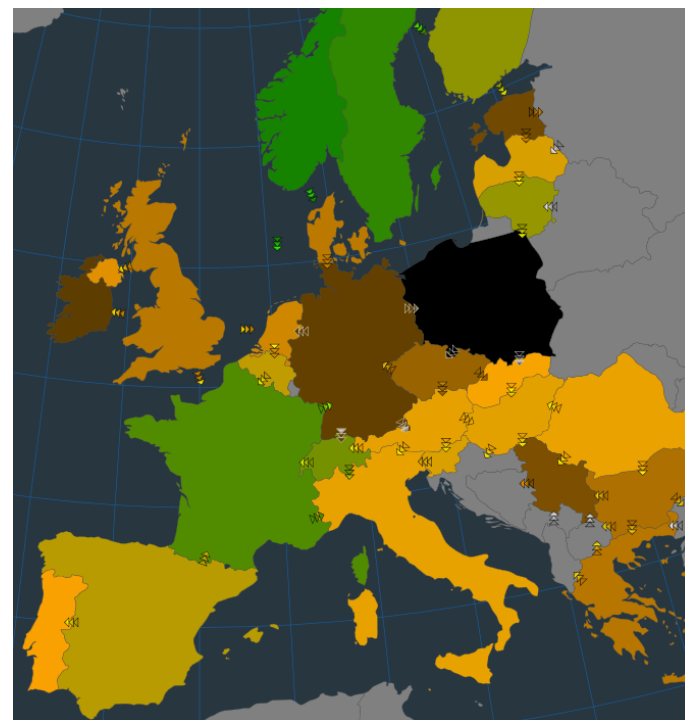
Electricity Map Time-lapse

A Carbon Intense Year!!

a two-minute
time-lapse video
of carbon intensity

Check out:

https://www.youtube.com/watch?v=G6EOoC_kKI0



France, Norway and Sweden have constantly low emissions

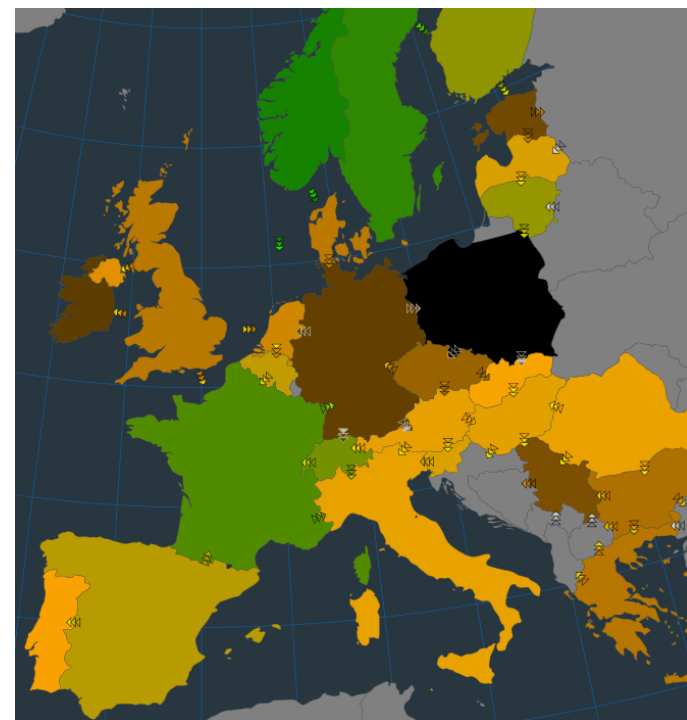
Norway produces electricity from

Hydropower

(thanks to the topography)

France and Sweden produce electricity from

Hydropower + Nuclear



SOURCE: <http://energyforhumanity.org/en/climate-energy/one-year-electricity-map-2017/>

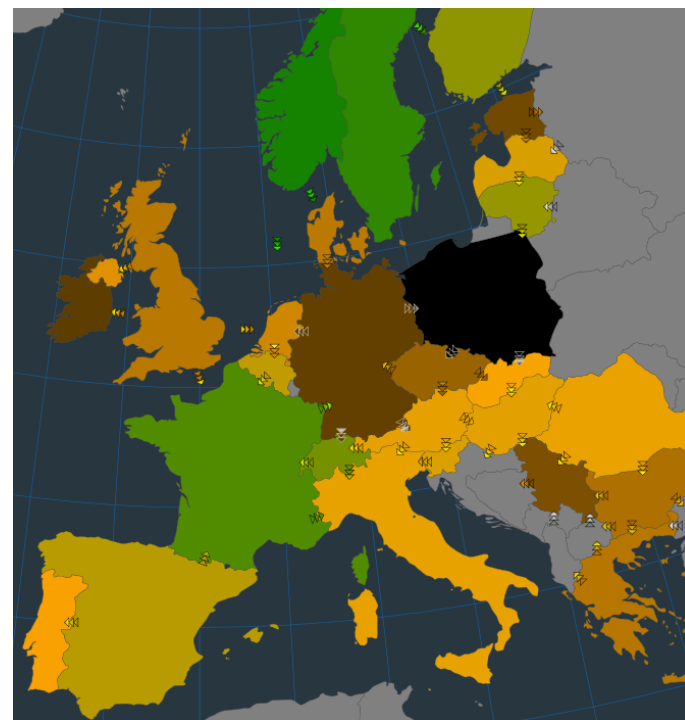


Other countries carbon intensity fluctuates
depending mostly on:

Weather!

leading to less use of:

- lignite
- coal
- natural gas



SOURCE: <http://energyforhumanity.org/en/climate-energy/one-year-electricity-map-2017/>



key findings:

1. Germany is not decarbonising!

Germany's "Energiewende" programme has made things worse by shutting down carbon free nuclear capacity

2. Climate leaders are countries with:

Hydropower + **Nuclear** + **Renewables**

3. Pragmatic yet ambitious climate and energy policies:

The UK has achieved the largest absolute reduction in GHG emissions in Europe from 2010-2015.



key findings:

4. Data accounts for cross-border flows of carbon emissions. Importing dirty electricity impacts the carbon intensity of electricity consumption in some countries.
5. A high percentage of installed new renewable capacity does not guarantee low CO₂ emissions!

SOURCE:

http://energyforhumanity.org/en/newsevents/news/climate/climate_leadership_2017/



ELECTRIC ENERGY IN SLOVENIA

Slovenia has Nuclear Power Plant!



Technical data of Krško NPP

Reactor type: **Pressurised Light Water Reactor (PWR)**

Reactor thermal power: **1994 MW**

Gross electrical output: **727 MW**

Net electrical output: **696 MW**

Thermal efficiency factor: **36%**



THE FUTURE IS BRIGHT!



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