

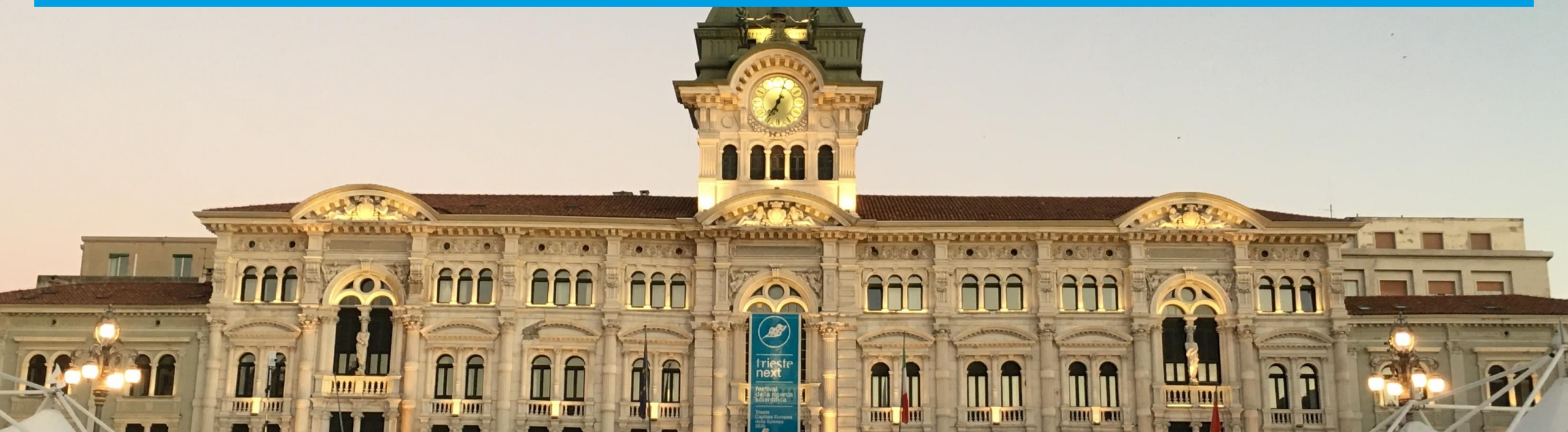


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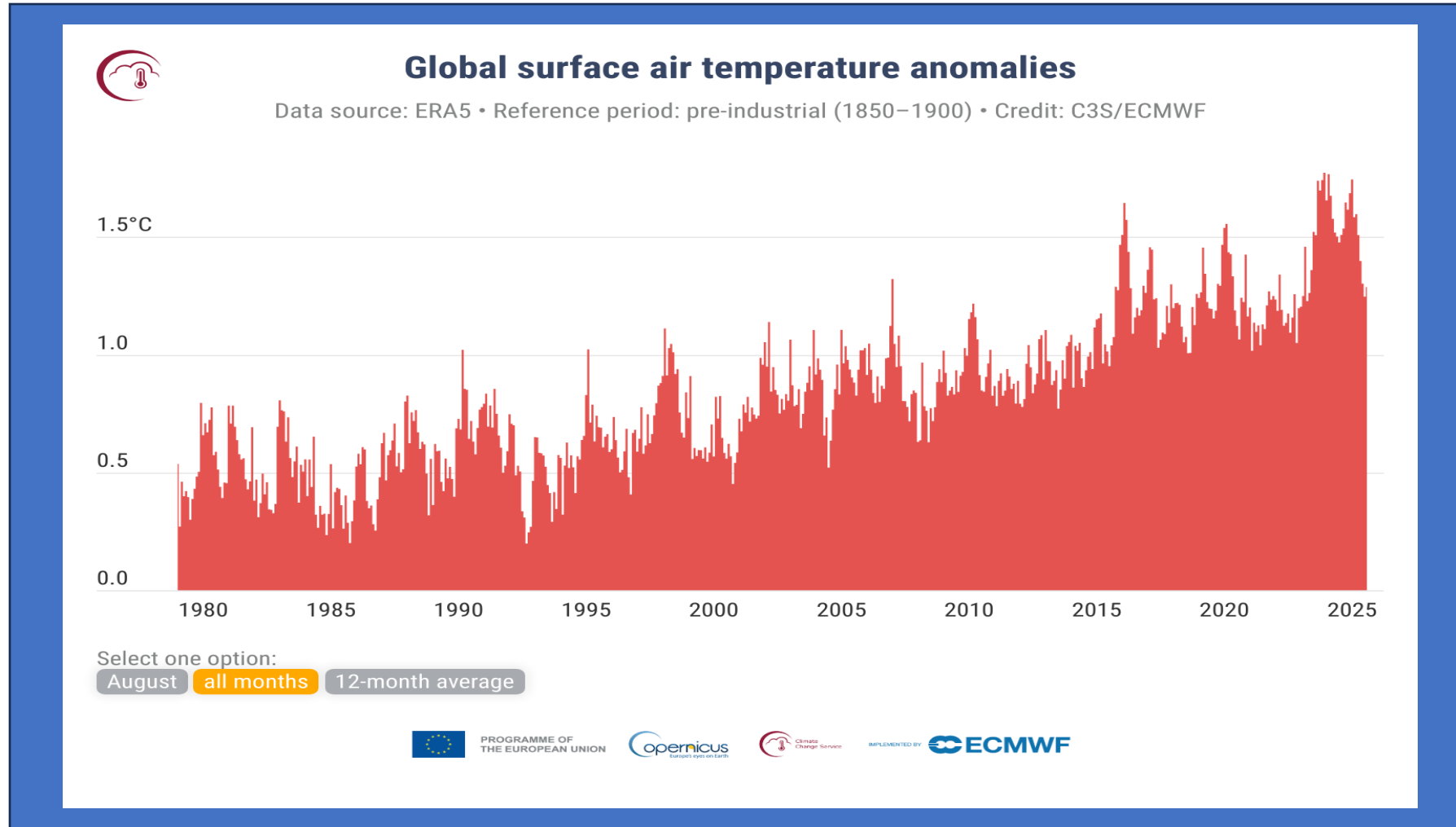
festival
della ricerca
scientifica

26-28 settembre 2025

IL FUTURO DELL'ENERGIA: MITI, REALTÀ E PROSPETTIVE



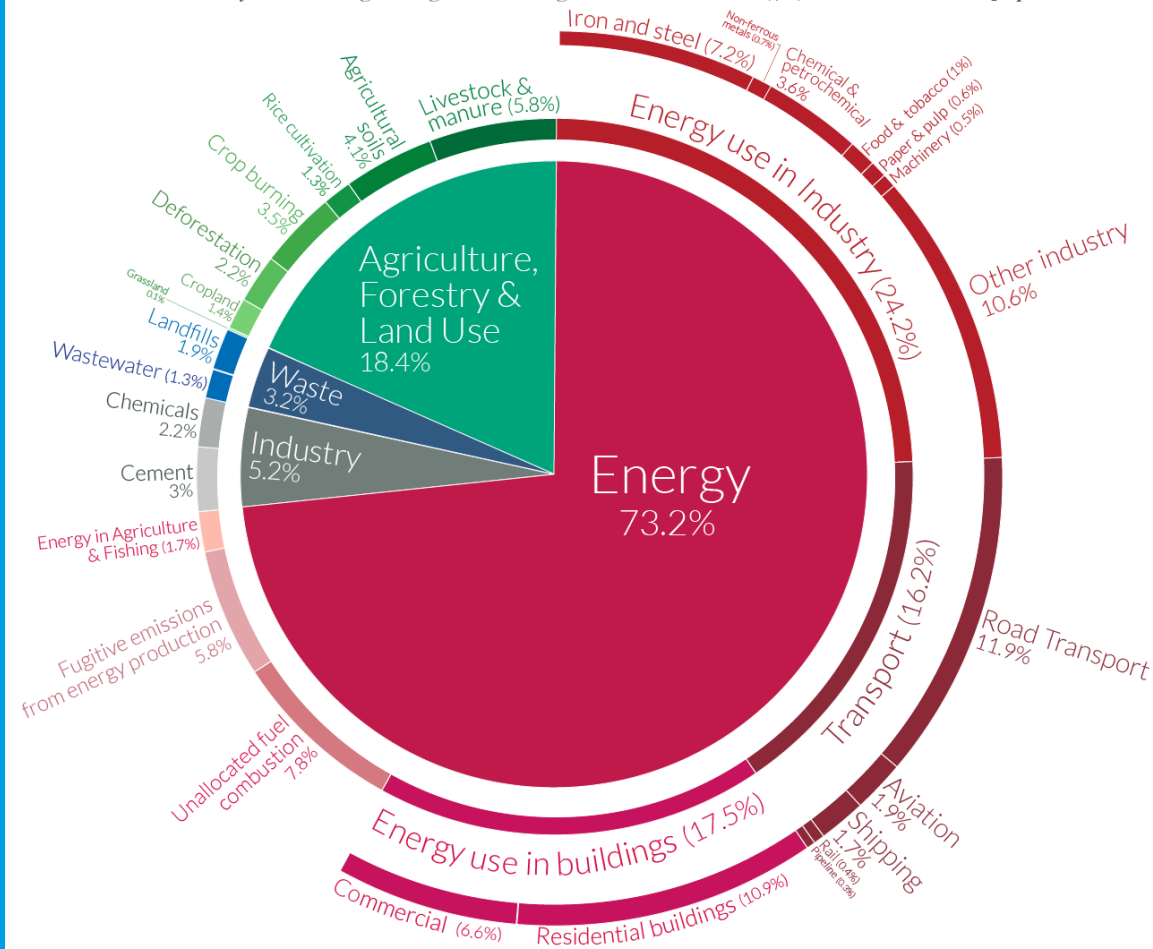
PERCHE PARLARE DI EDUCAZIONE ENERGETICA?



Global greenhouse gas emissions by sector

Our World
in Data

This is shown for the year 2016 – global greenhouse gas emissions were 49.4 billion tonnes CO₂eq.



OurWorldinData.org – Research and data to make progress against the world's largest problems.

Source: Climate Watch, the World Resources Institute (2020).

Licensed under CC-BY by the author Hannah Ritchie (2020).

PERCHE PARLARE DI EDUCAZIONE ENERGETICA?

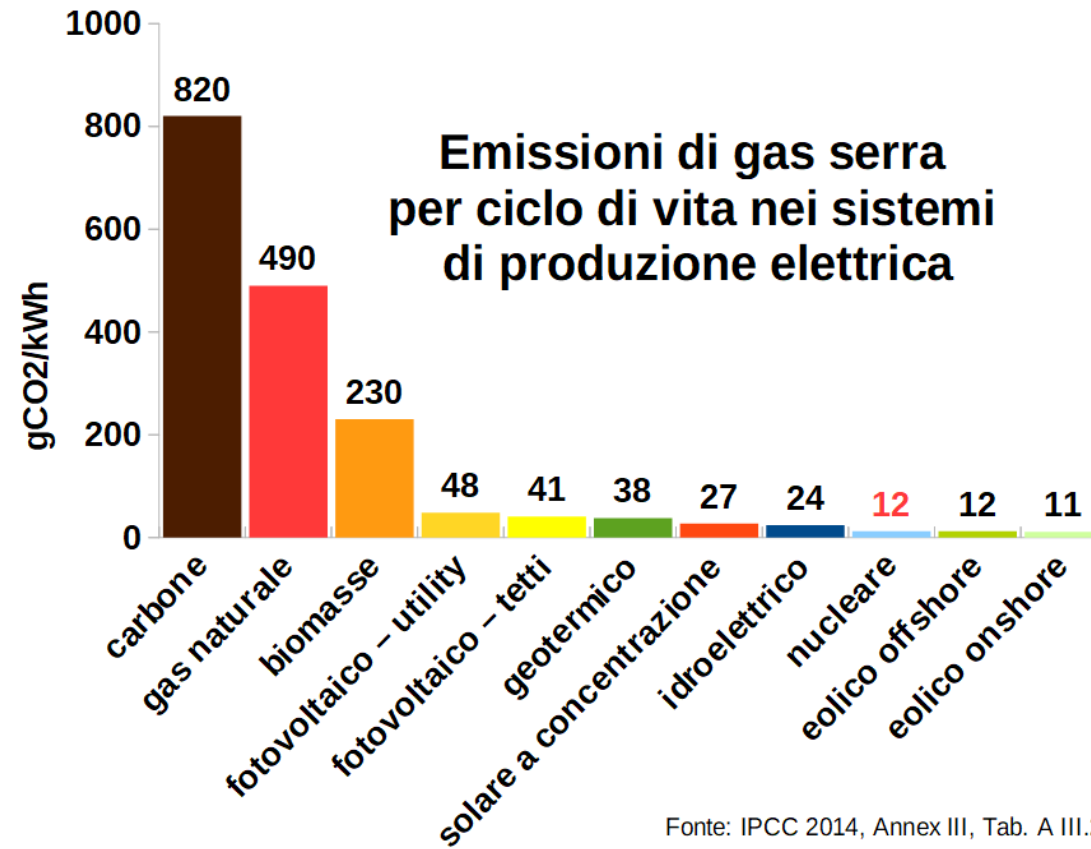
QUALI SONO GLI ASPETTI POSITIVI?



Fonte: PG&E



QUALI SONO GLI ASPETTI POSITIVI?



QUALI SONO GLI ASPETTI NEGATIVI?



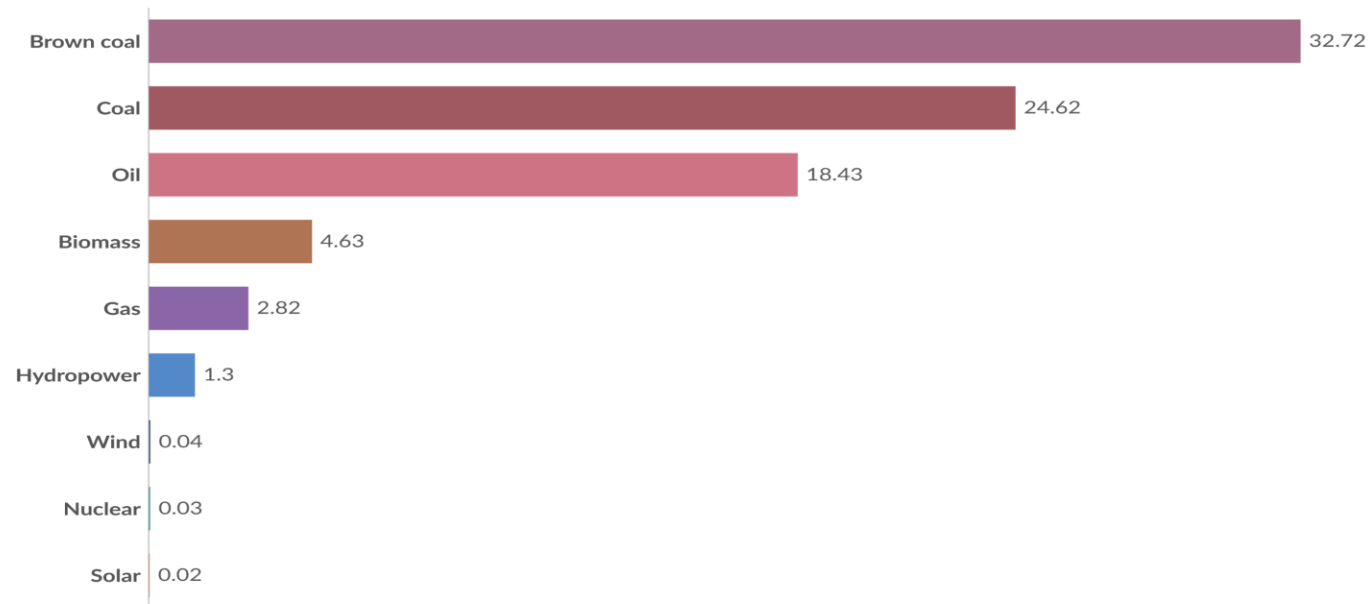
Fonte: www.zwilag.com



Death rates per unit of electricity production

Our World
in Data

Death rates are measured based on deaths from accidents and air pollution per terawatt-hour¹ of electricity.



Data source: Markandya & Wilkinson (2007); Sovacool et al. (2016); UNSCEAR (2008; & 2018)

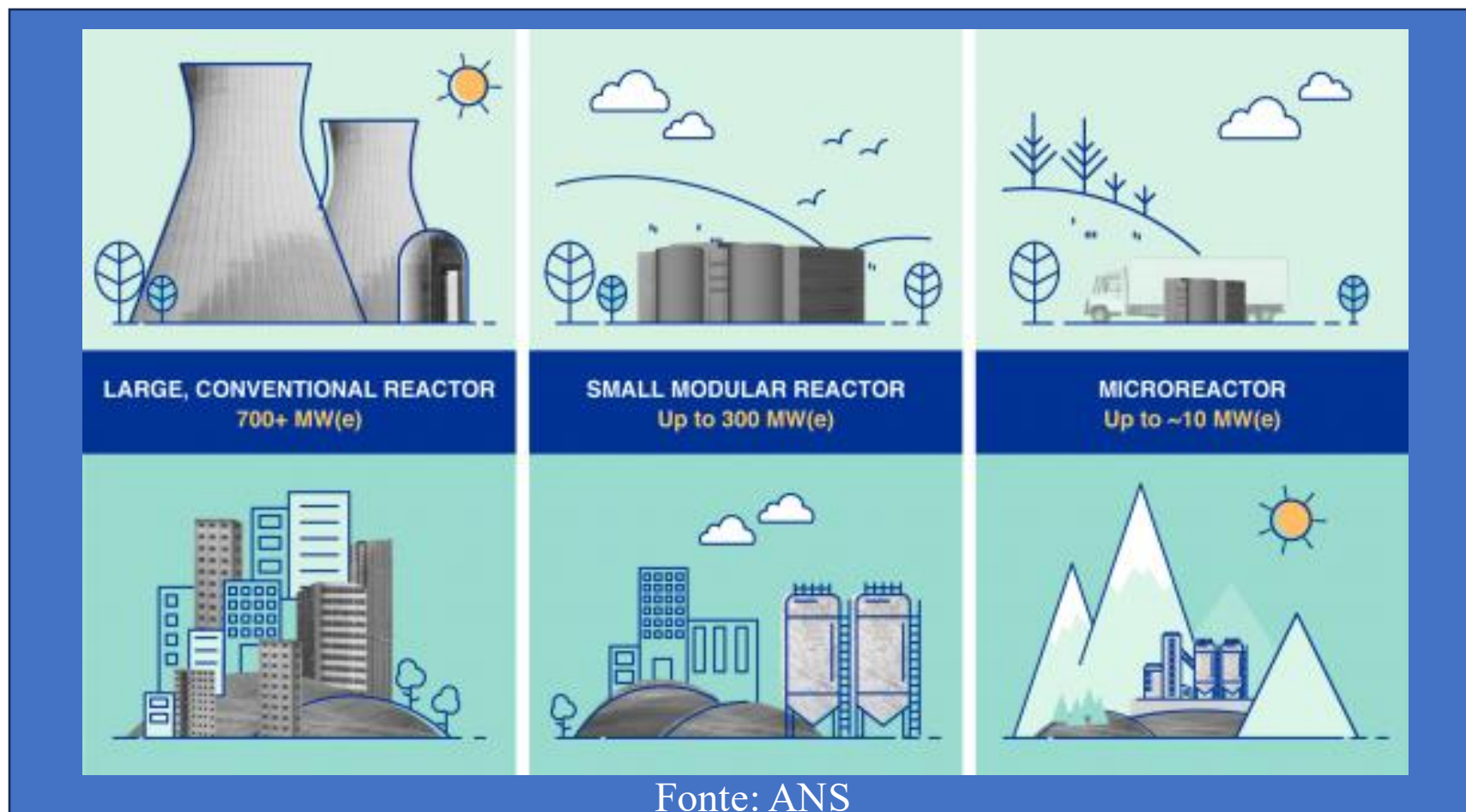
OurWorldinData.org/energy | CC BY

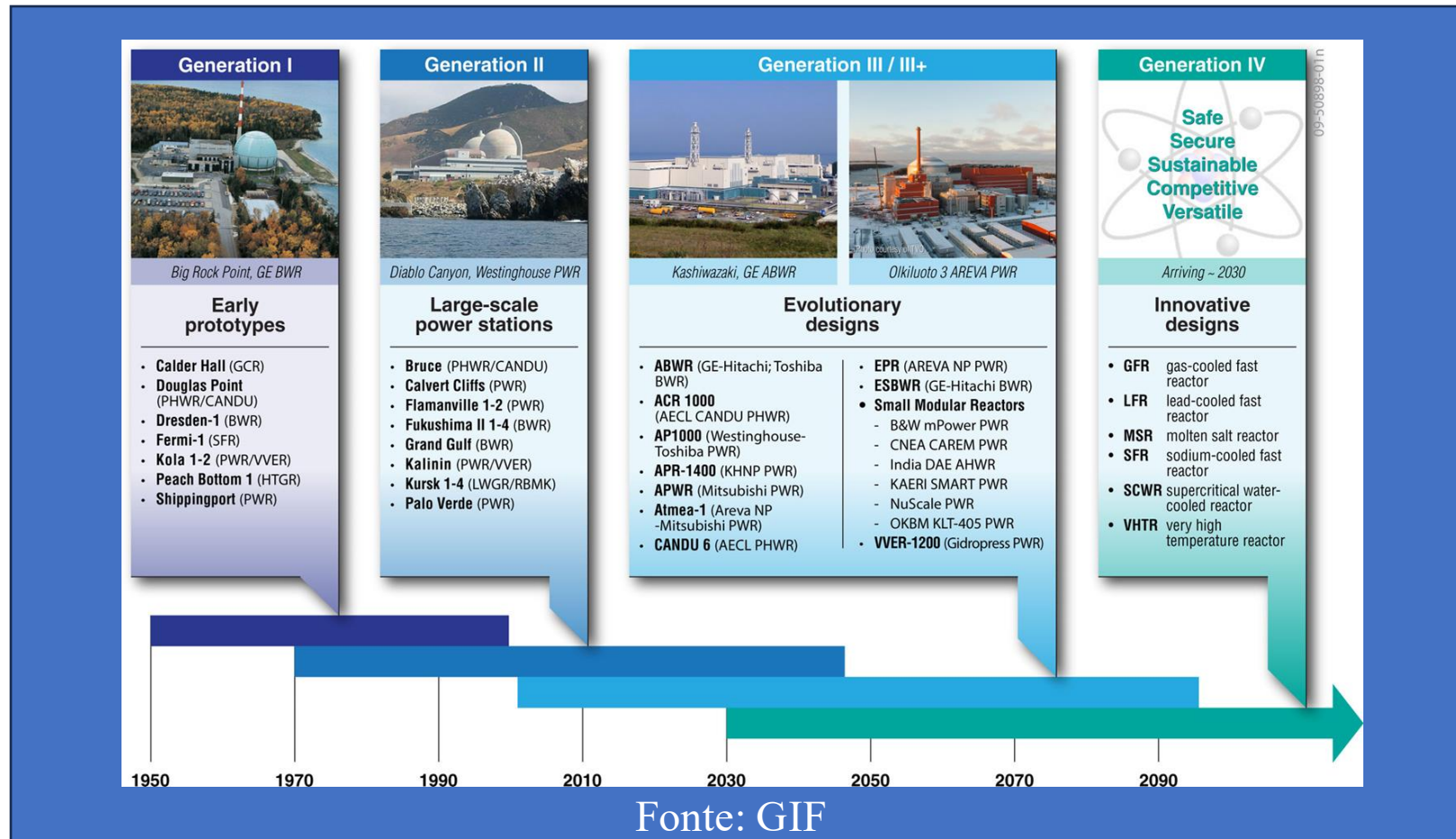
1. **Watt-hour** A watt-hour is the energy delivered by one watt of power for one hour. Since one watt is equivalent to one joule per second, a watt-hour is equivalent to 3600 joules of energy. Metric prefixes are used for multiples of the unit, usually:

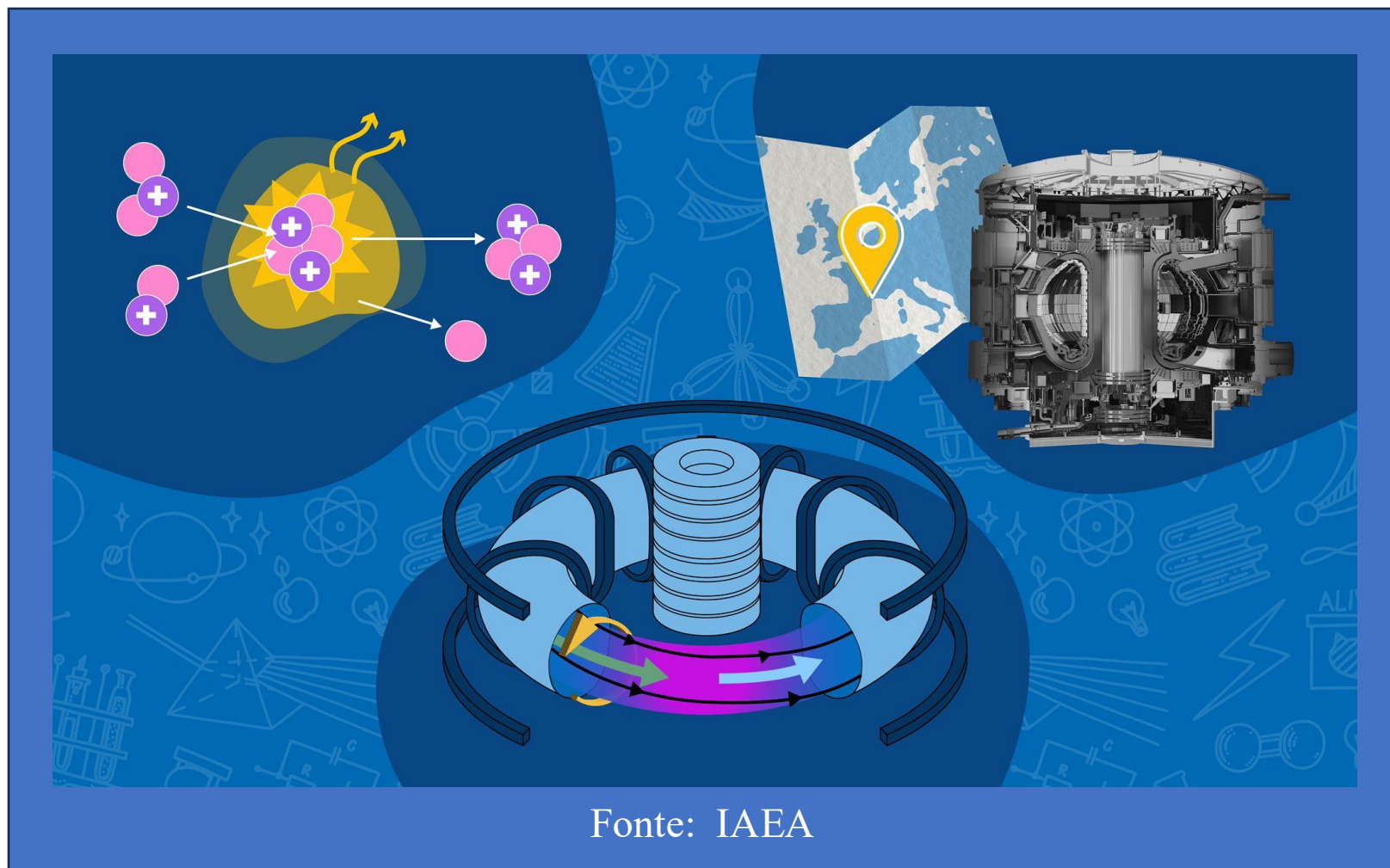
- kilowatt-hours (kWh), or a thousand watt-hours.
- Megawatt-hours (MWh), or a million watt-hours.
- Gigawatt-hours (GWh), or a billion watt-hours.
- Terawatt-hours (TWh), or a trillion watt-hours.

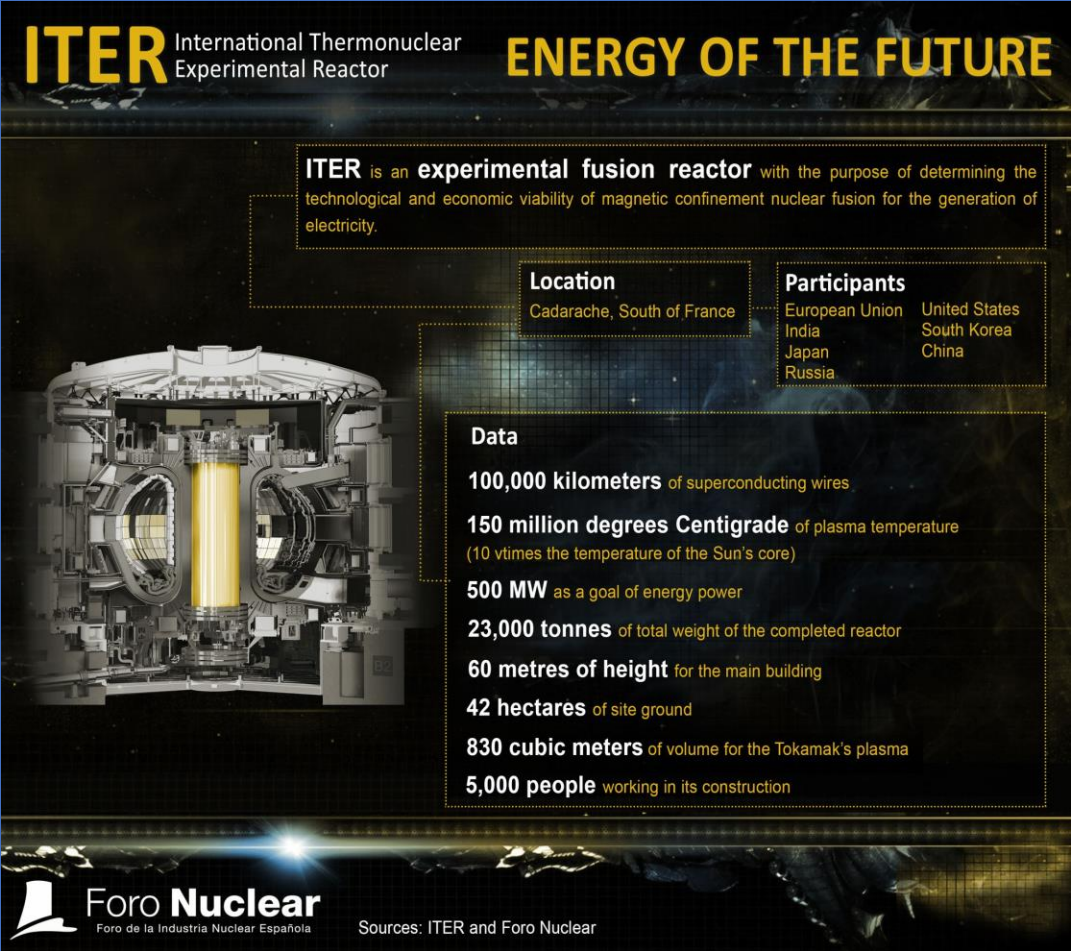


LA FISSIONE NUCLEARE









ITER International Thermonuclear Experimental Reactor

ENERGY OF THE FUTURE

ITER is an **experimental fusion reactor** with the purpose of determining the technological and economic viability of magnetic confinement nuclear fusion for the generation of electricity.


Location
Cadarache, South of France

Participants

European Union	United States
India	South Korea
Japan	China
Russia	

Data

- 100,000 kilometers of superconducting wires
- 150 million degrees Centigrade of plasma temperature (10 times the temperature of the Sun's core)
- 500 MW as a goal of energy power
- 23,000 tonnes of total weight of the completed reactor
- 60 metres of height for the main building
- 42 hectares of site ground
- 830 cubic meters of volume for the Tokamak's plasma
- 5,000 people working in its construction

 **Foro Nuclear**
Foro de la Industria Nuclear Española

Sources: ITER and Foro Nuclear

GRAZIE PER LA PARTECIPAZIONE!

CONTATTI

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