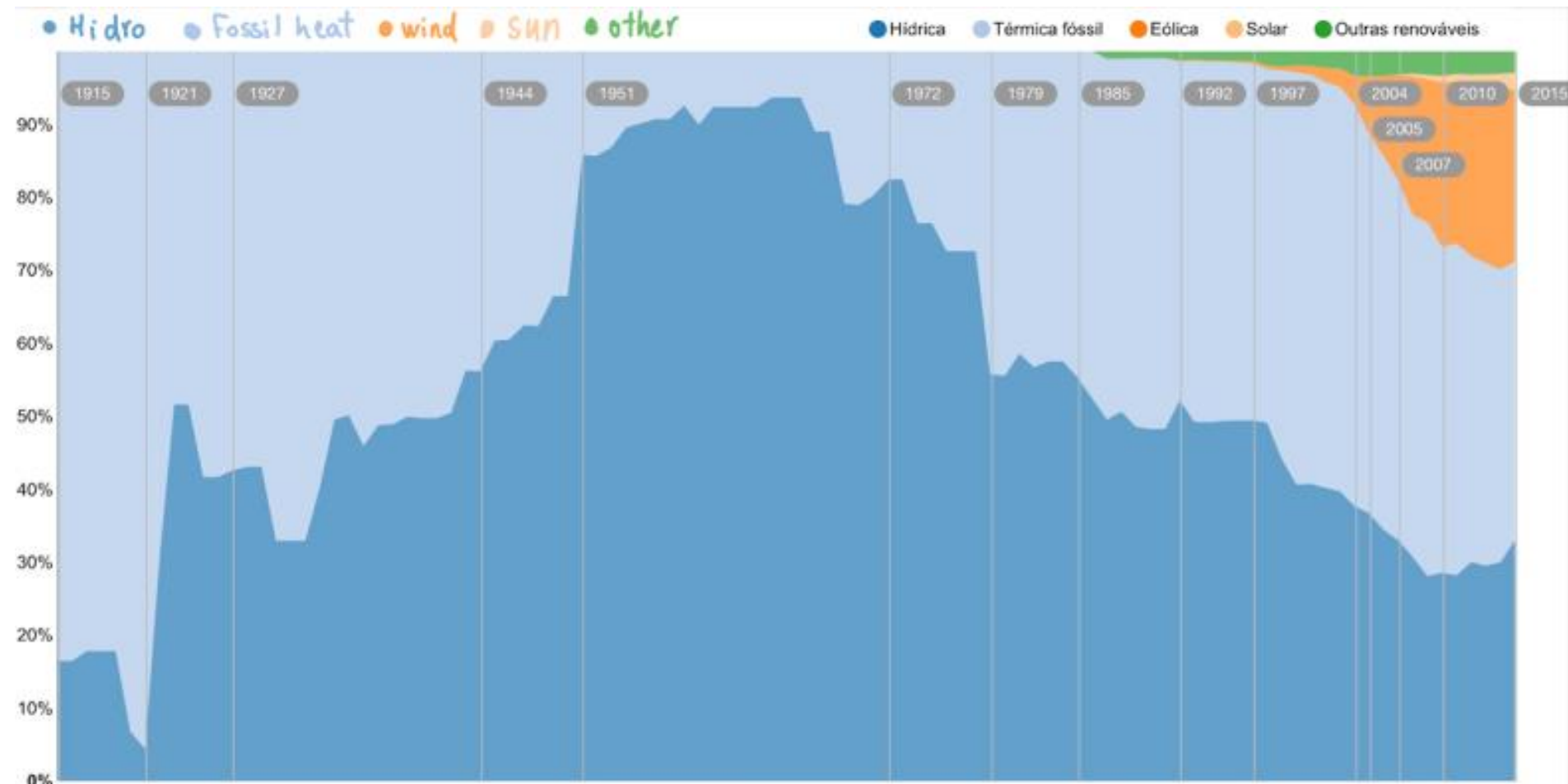




PROJECT

“COULD THE LIGHTS GO OFF ACROSS EUROPE. COOPERATION TO SHAPE AN ALL RENEWABLE VISION FOR EUROPE BY 2050”

The development of the production of energy in Portugal from 1950 onwards





Iniciatives to support the development and use of renewable energies

- **Portugal - Thermal Performance Building Regulation or TPBR**

This regulation imposes the installation of solar panels and values the use of other renewable energy supply.



Iniciatives to support the development and use of renewable energies

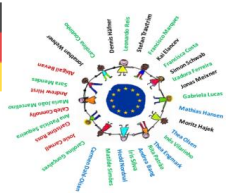
In 2008 in the Alentejo, the South of Portugal, the biggest plant of solar energy was created in order to reduce Portugal's dependence on coal usage .

AMARELEJA

A MAIOR CENTRAL FOTOVOLTAICA DO MUNDO

Com 2.520 seguidores solares azimutais, equipados com 104 painéis solares cada um, a central é a maior do mundo, em potência total instalada e capacidade de produção, mais do que o quádruplo do actual maior complexo do género.





Iniciatives to support the development and use of renewable energies

The majority of the mountains/
highlands in Portugal are equipped
with generators in order to collect
the eolic energy production.



Recent developments concerning the use of energy in general

- **Wave park**

It is located in Póvoa do Varzim, in the North of Portugal, implemented in September 2010, and it promises to generate enough energy to feed about 15 thousand families.

There are some other new projects starting nearby Aveiro.



Recent developments concerning the use of energy in general

- **The Usage of Biomass in the production of energy**

The biomass has a huge potential due to the worldwide reserves and the fact that it is very flexible. All of this allows it to be directly converted in energy (heat, electricity and biofuels).





Recent developments concerning the use of energy in general

- **Tide energy in Portugal**

A team of students in Aveiro's University evaluated the potential of Aveiro's boat harbor to convert the energy of the tides.





Our ecological/carbon footprint on the Erasmus journey(s) and how to possibly neutralize it with adequate actions

Carbon footprint examples

- Throw plastic to the floor
- Use non electric transportation
- Shower with non solar heated water
- Cook with gas

Ways to neutralize it

- Do not pollute and use the three R's.
- Use environmental friendly and public transportation
- Use sun heated water in order to cook and shower.

