



AUST-AGDER  
FYLKESKOMMUNE

# Agder`s green way to sustainable development

Hans Fløystad, advisor Aust-Agder county  
Sibiu 27 th of April 2017



# Aust-Agder county and the connection to «A green way to sustainable development»



## FACTS ABOUT AGDER

- 300 000 inhabitants
- 30 municipalities  
(about to be reduced)
- Regional reform will probably end with a merger of our two counties.
- Overall regional plan in common



*Host for students exchange program this spring  
Beatrice and Andrea, Lucian Blaga-universitetet  
and David and Norbert, Petru Maior university  
visiting our agricultural college in Tvedestrand.*



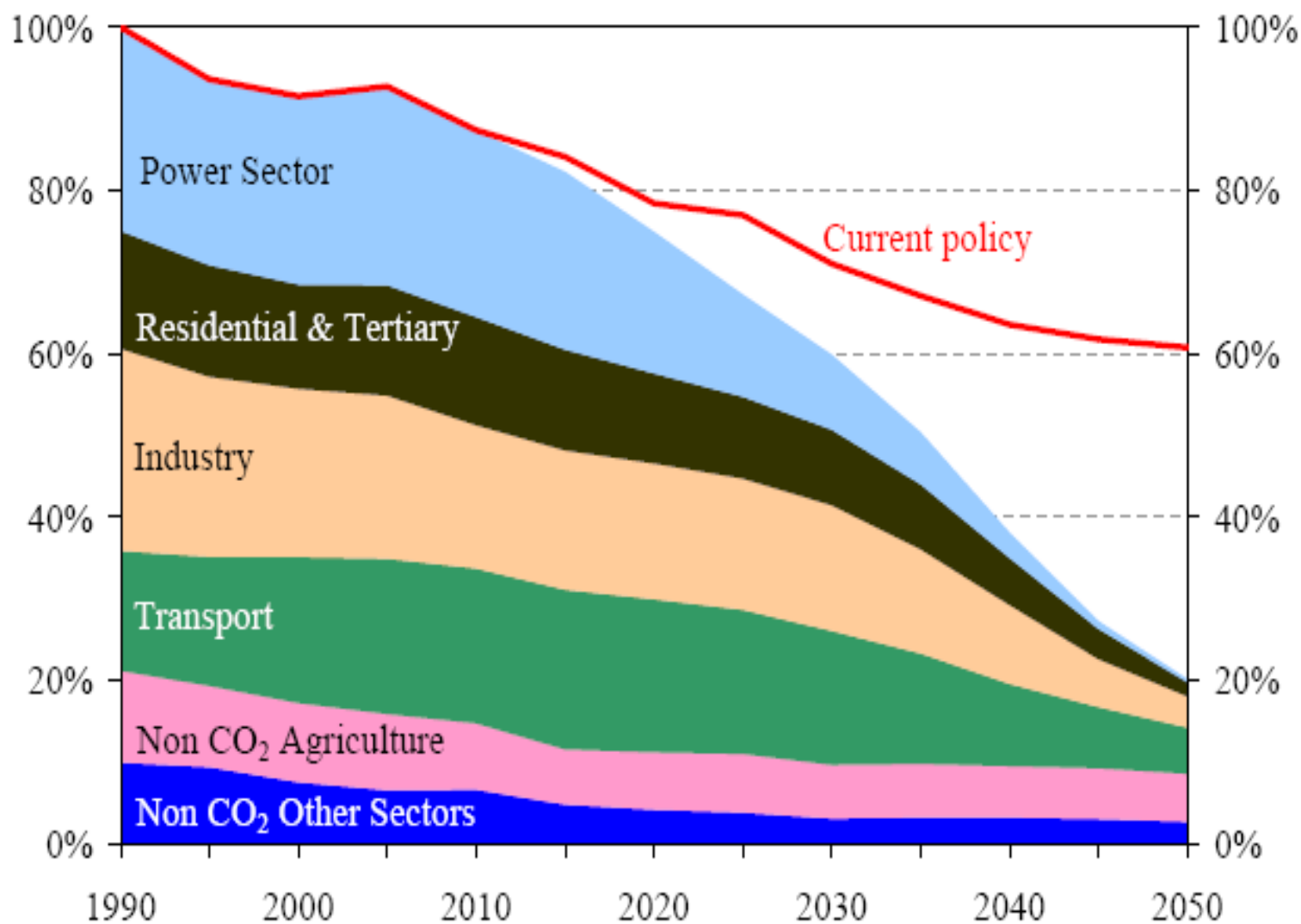


# Move our own business towards the low-carbon economy





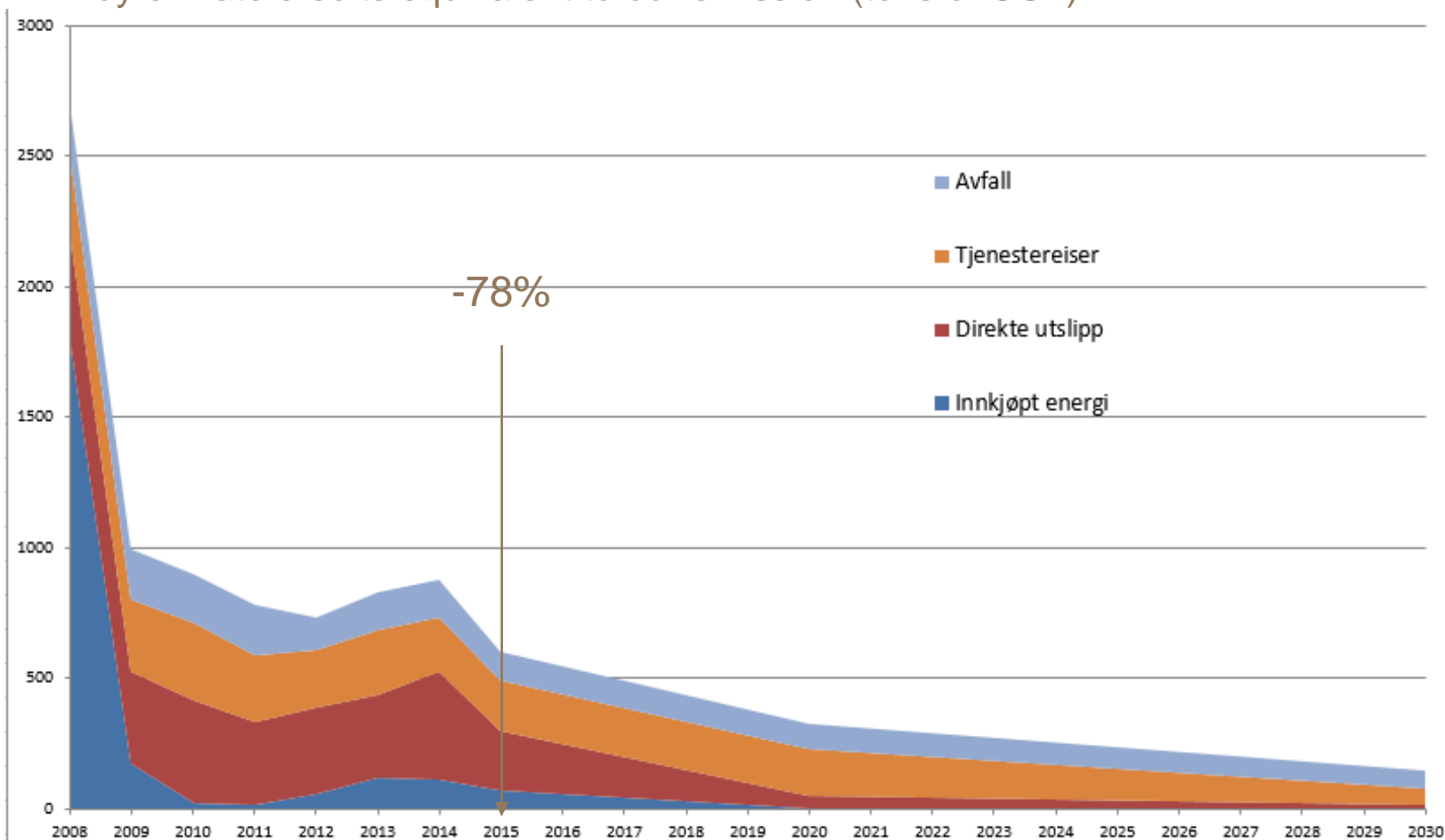
## The low-carbon economy





## According to United Nations that means

- Yearly climate emission accounting
- Do measures to reduce emissions
- Buy climate credits equivalent to our emission (tons of CO<sub>2</sub>)







# Biodiesel

- B30 (FAME-quality) since 2012
- B100 (HVO-quality) since october 2014

100 % reduction in  
the use of fossil  
diesel

Great reductions in  
other emissions  
(NO<sub>x</sub>, SO<sub>x</sub>, Aromats,  
Particles, CO and  
HC).

We have proven that  
it is possible.

Our national education unit for transportation and  
construction work



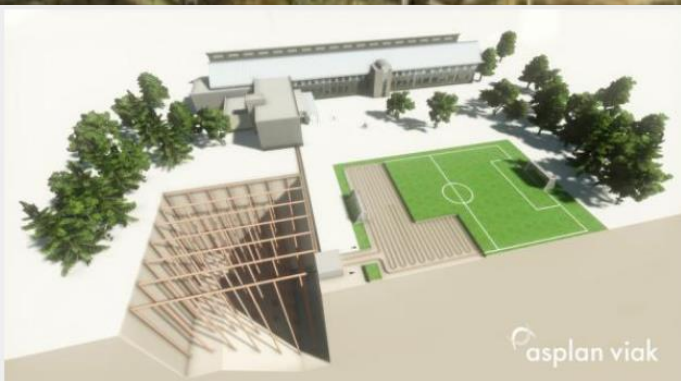
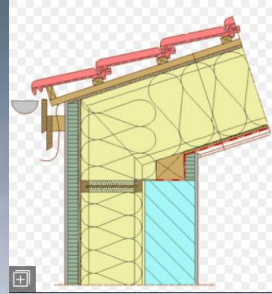


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# Powerhouse

New upper secondary school -producing more energy than it use to operate

Very energy efficient building  
--isolation and sealing



Ground heating and solar power





# Ground heating with Terralun







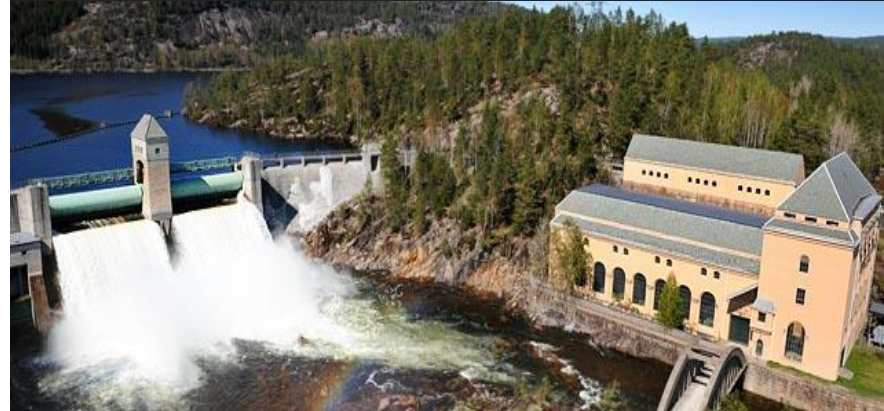
## **How we act in the global picture**

- to do business out of our global advantages**
- and to support global movements towards the low carbon economy**
- three examples**



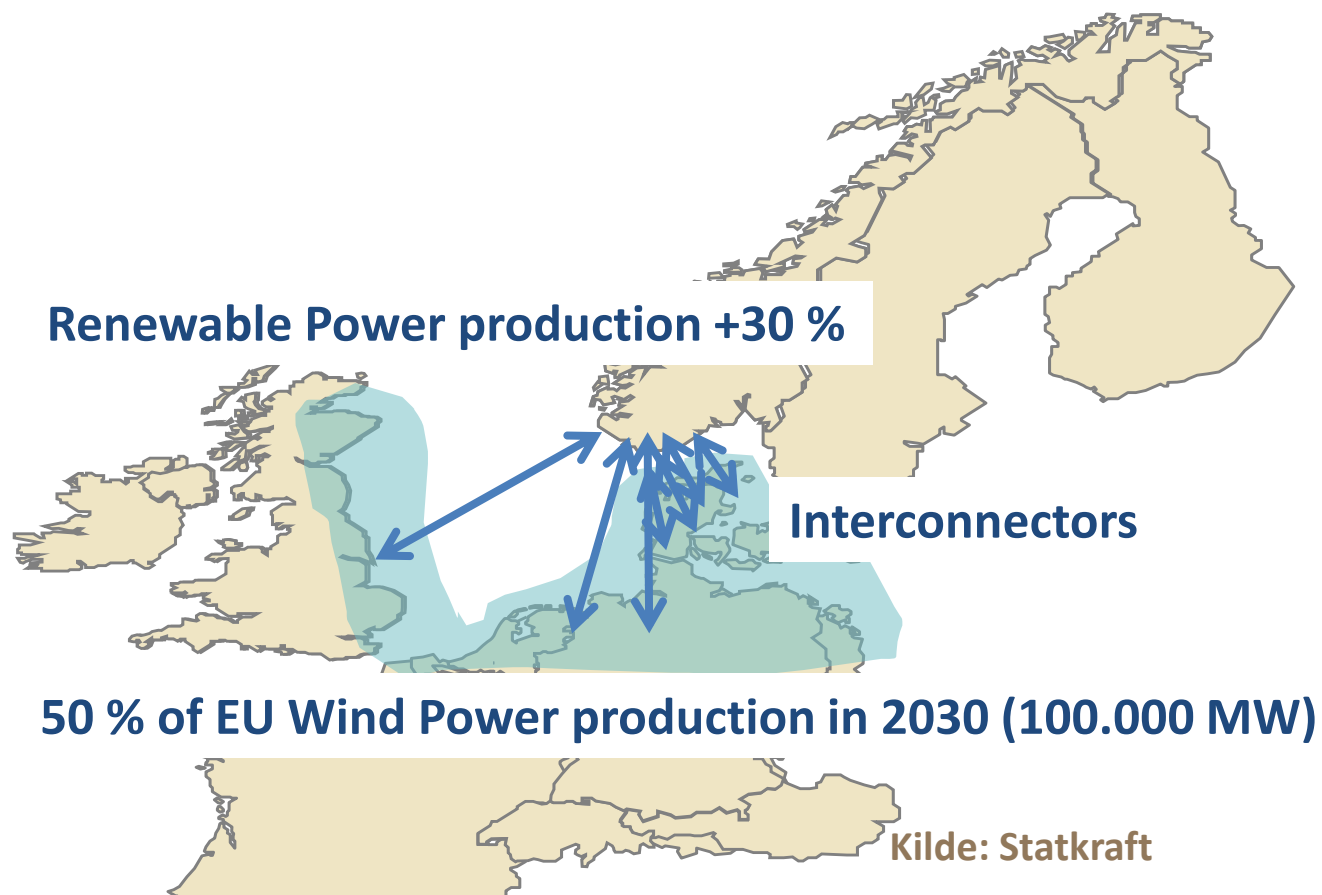
# The worlds largest Renewable Power Hub

- 7 TWh surplus of renewable energy
- Big share of the watermagasin capacity of Europe
- Located close to Denmark, UK, Germany, Netherlands
- Good and improving electric GRID





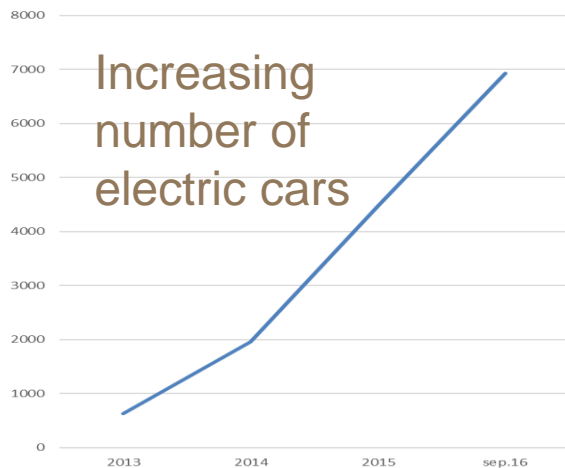
# Renewable Southern Norway



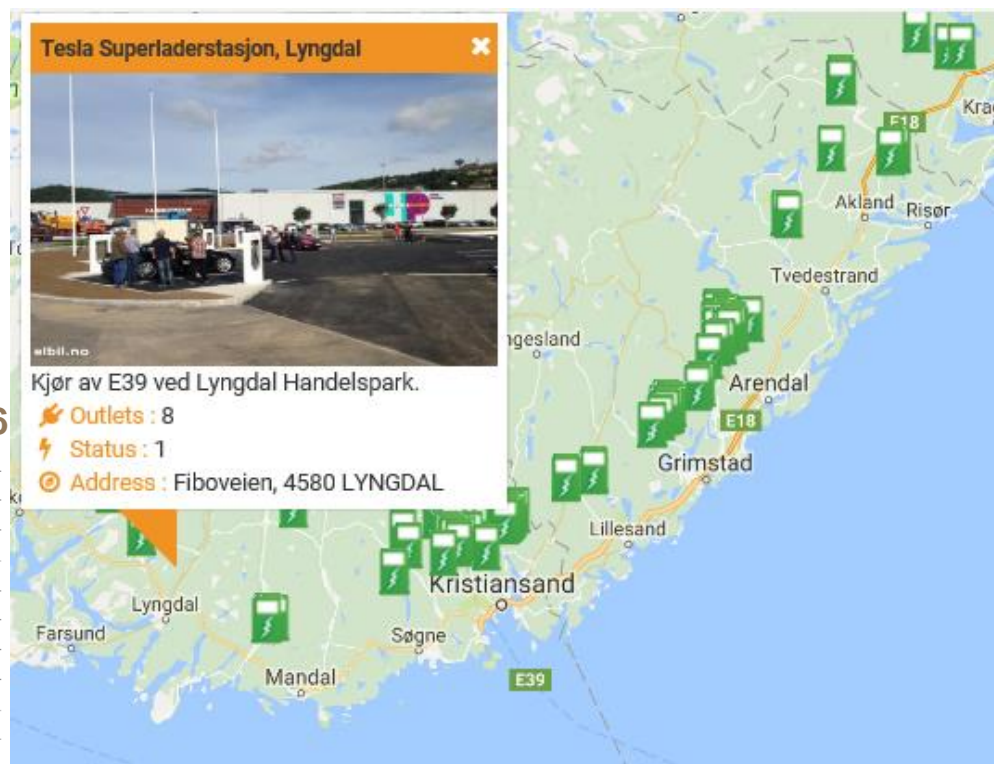
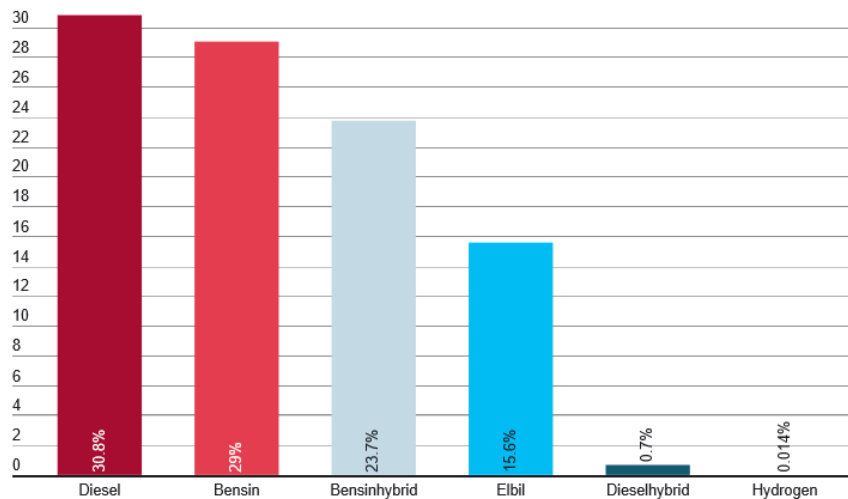




# 1. Electrification of transport sector



44 % chose electric or hybridelectric in 2016





## 2. Expand energy intensiv industries!

Expand and develop our Process Industry, working for the transition towards a sustainable future. Multinational companies delivering high quality materials to a global market from renewable energy and with the lowest environmental footprint.



### Green data centers

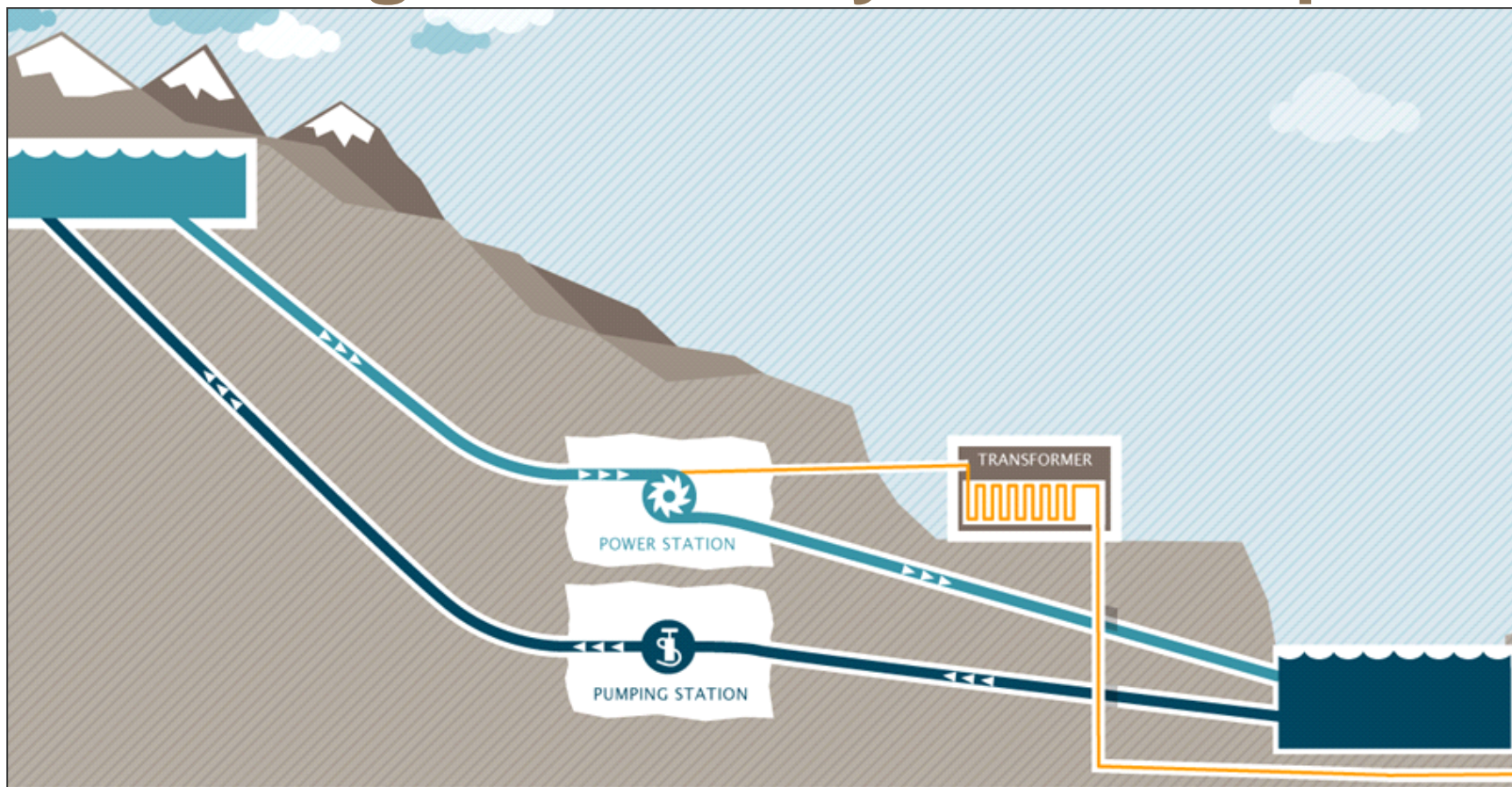
- we offer renewable energy
- stability and security
- low energy costs
- cold climate
- high competence in ICT







### 3. A «green battery» for Europe



*Our power supply make it possible to close down fossil power plants in neighbour contries*





Thank you for your attention