



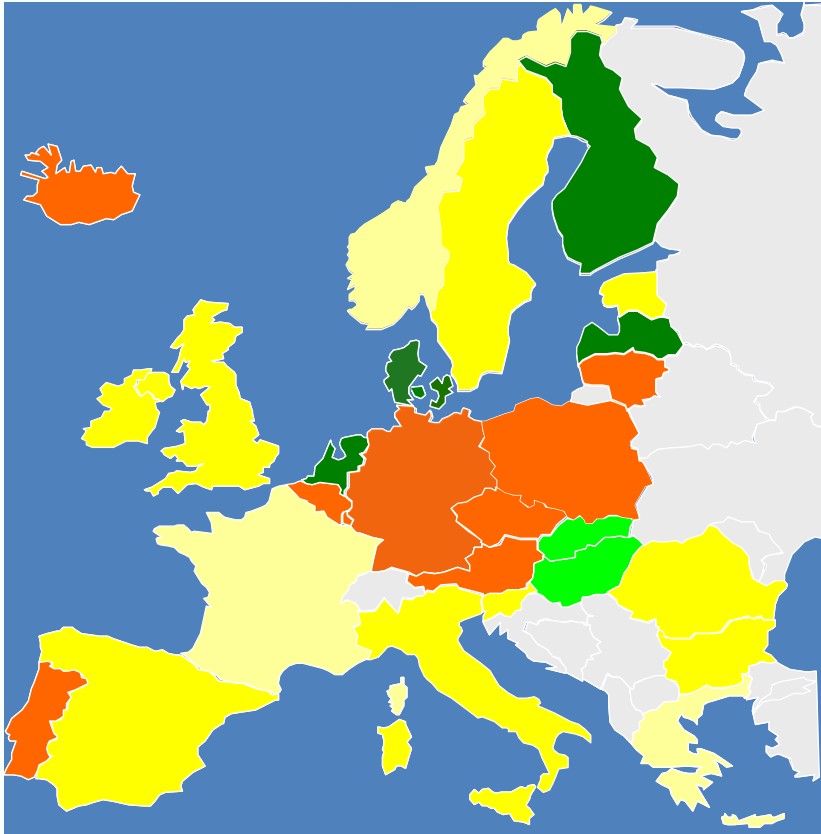
COGEN

europa

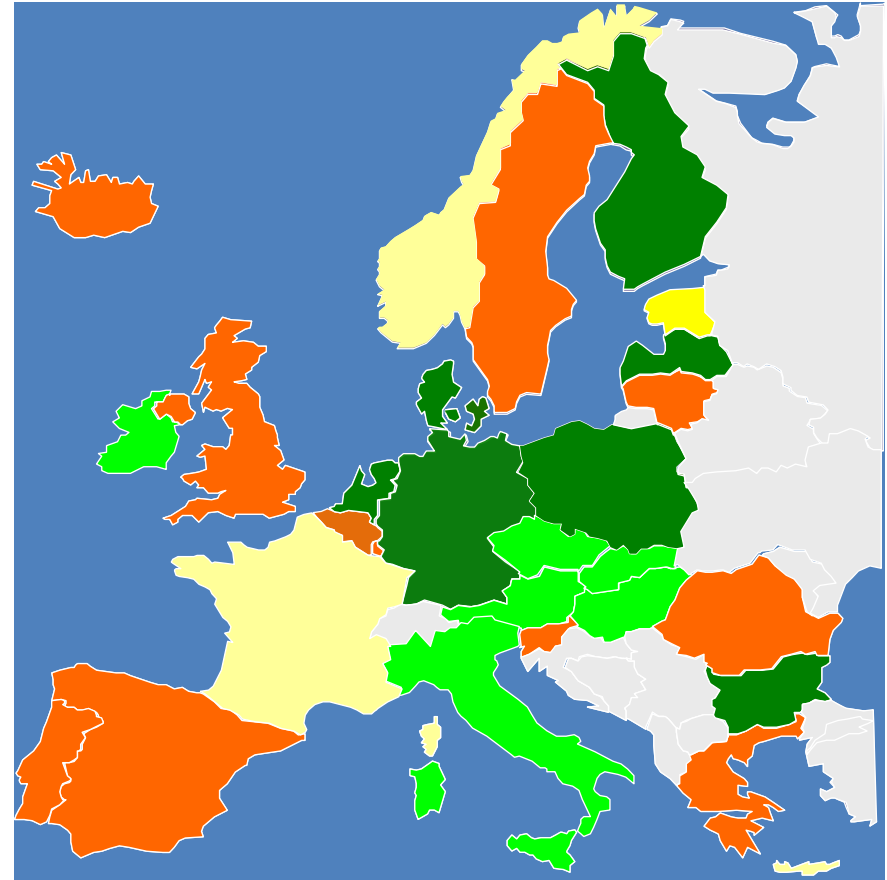
changing the way
Europe provides heat and electricity
for a sustainable future

Share (%) of CHP in total generation

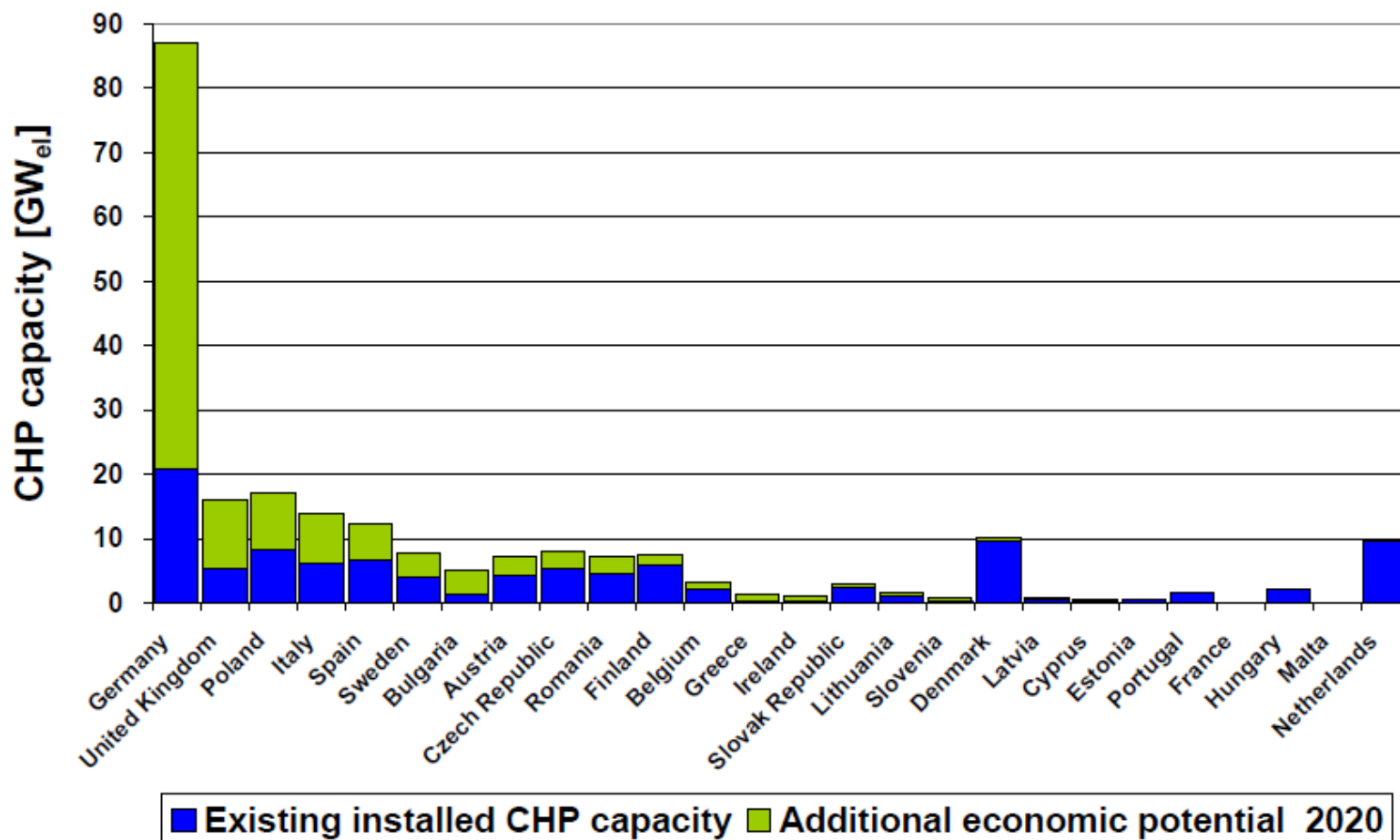
2008



2008 Plus 1000 TWh heat
with 122 GWe



European economic potential for cogeneration in 2020



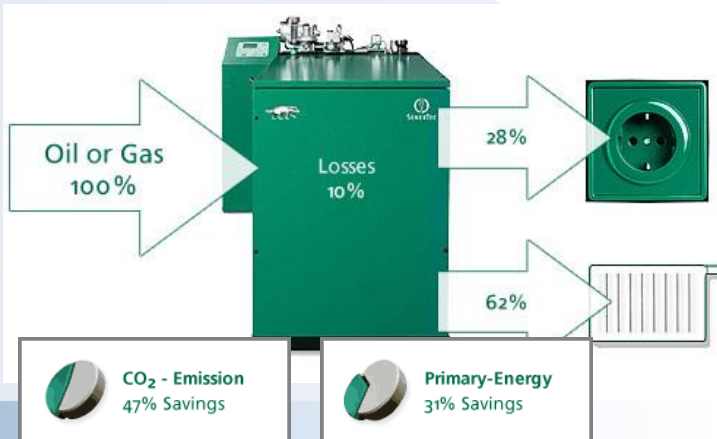
Examples of CHP in real life



Akzo Nobel Delesto **industrial CHP** plant. It provides steam and power to facilities in Delfzijl where Akzo Nobel produces salt, chlorine and Derivatives. It produces 520 MW of power, partly consumed by the Chemical Park Delfzijl (including Akzo Nobel), partly supplied to the Dutch high voltage grid. It is the biggest cogeneration site in the Netherlands.



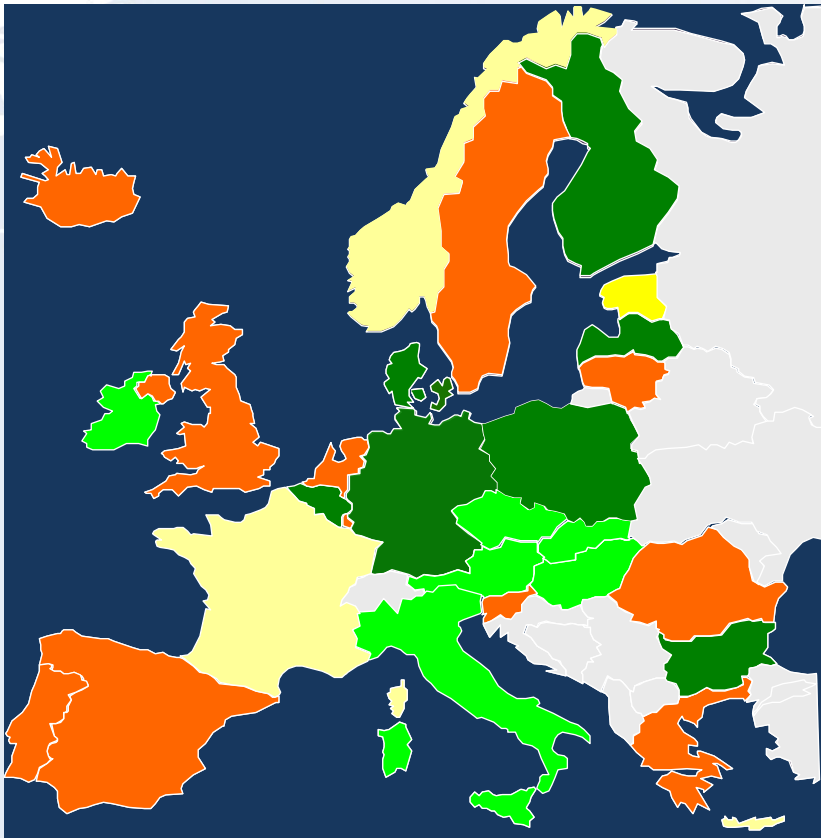
District heating CHP plant in Ljubljana is producing electricity and supplying the city with hot water. It has 124 MW of installed electrical capacity and 350 MW of installed heat capacity. It could produce 550 GWh of electricity and 1650 GWh of heat per year. It is the biggest cogeneration site in Slovenia.



Dachs G 5,5 **micro CHP** on natural gas,
 Electrical output: 5,5kW
 Thermal output: 12,5 kW
www.cogeneurope.eu



Greenhouse: possibility to use **medium size CHP** (150kW).



There is significant industrial potential for CHP in Europe. In the larger economies this is 50% of the potential.