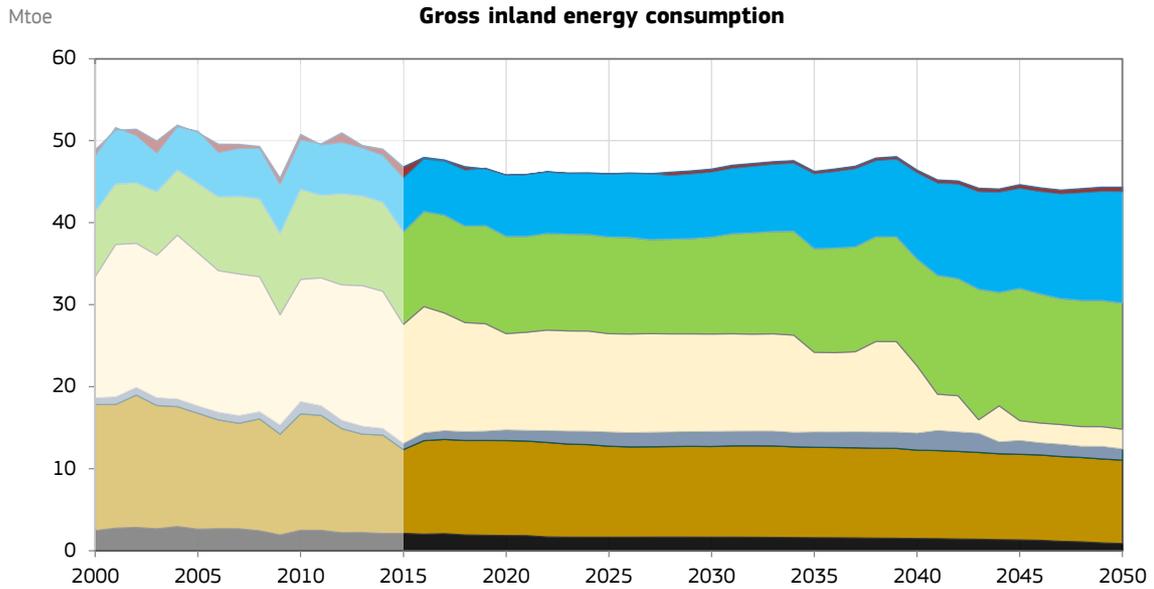

POTEnCIA - Model results overview

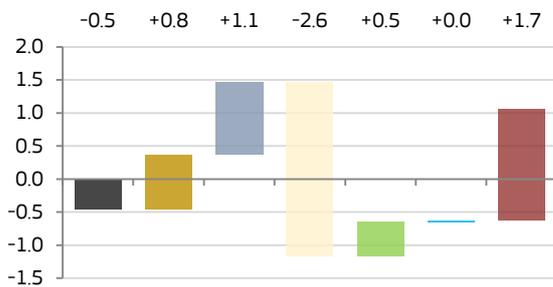
Sweden

Central_2018 scenario

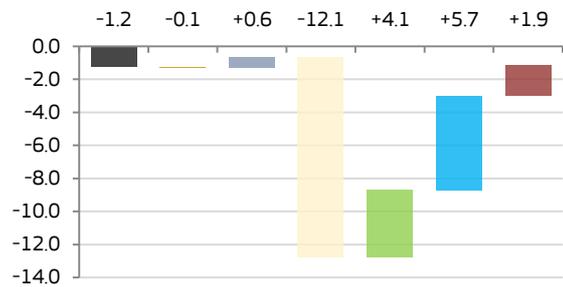


- Solid fuels
- Total petroleum products
- Gases
- Nuclear heat
- Biomass and renewable wastes
- Wind, solar, hydro and geothermal
- Other

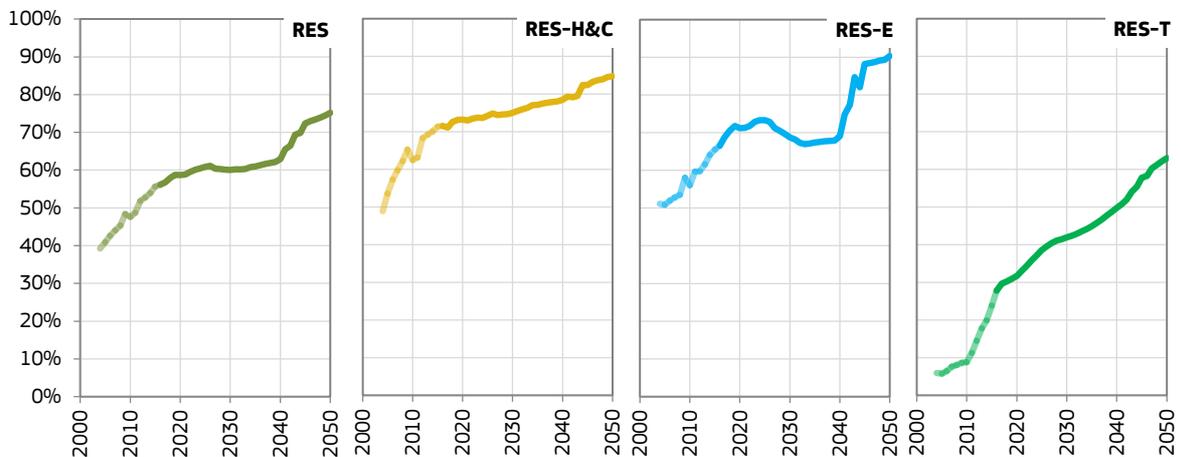
+1.1 Mtoe by 2030 from 2015 levels

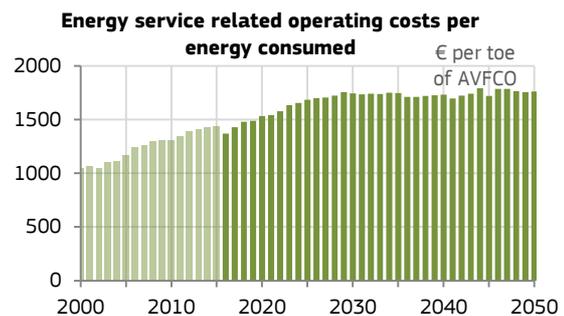
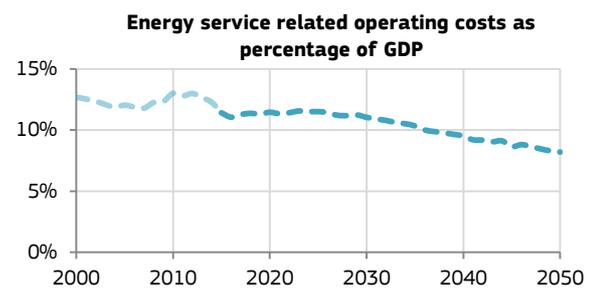
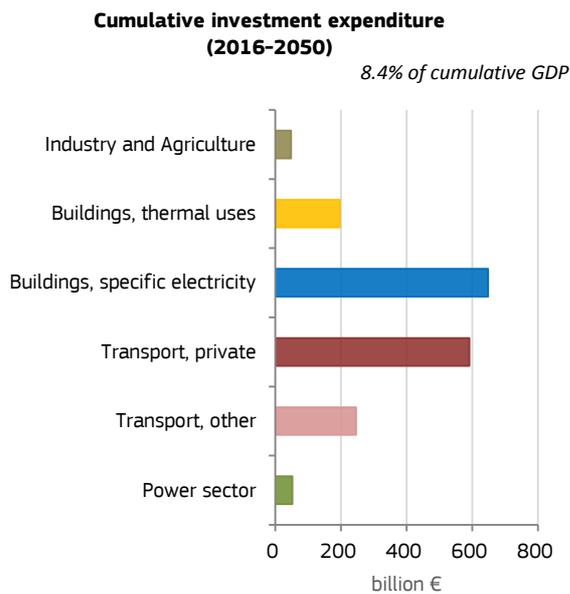
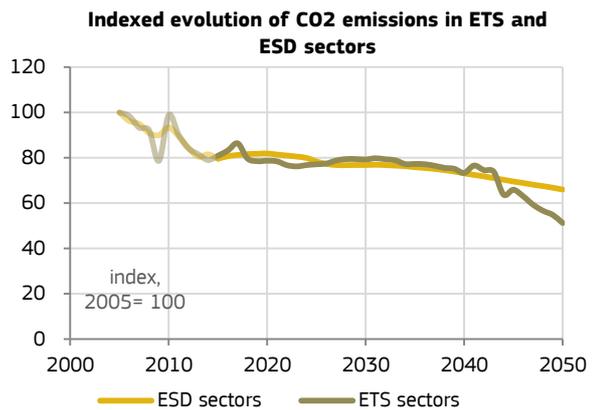
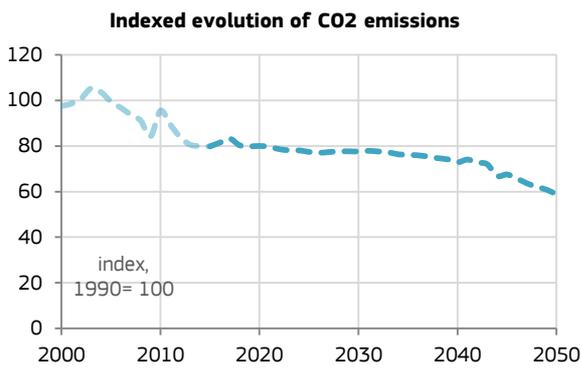
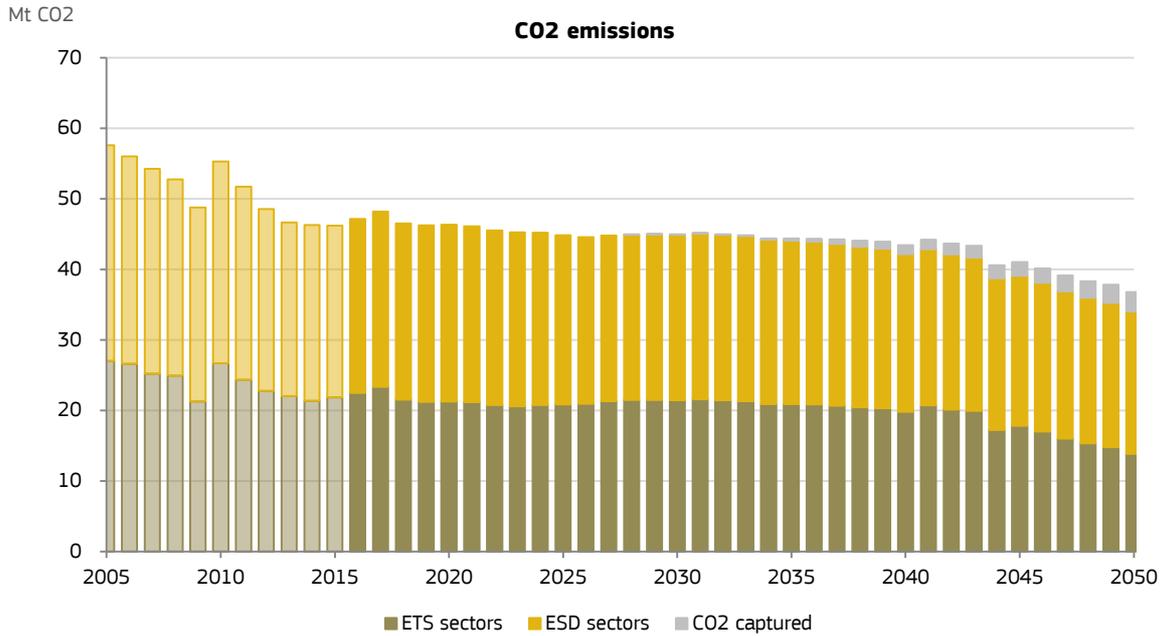


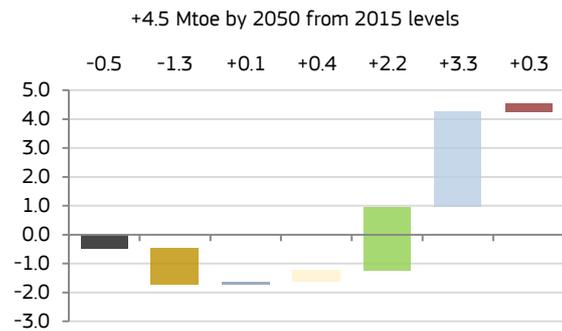
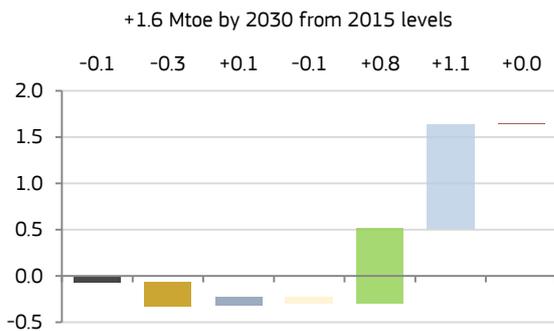
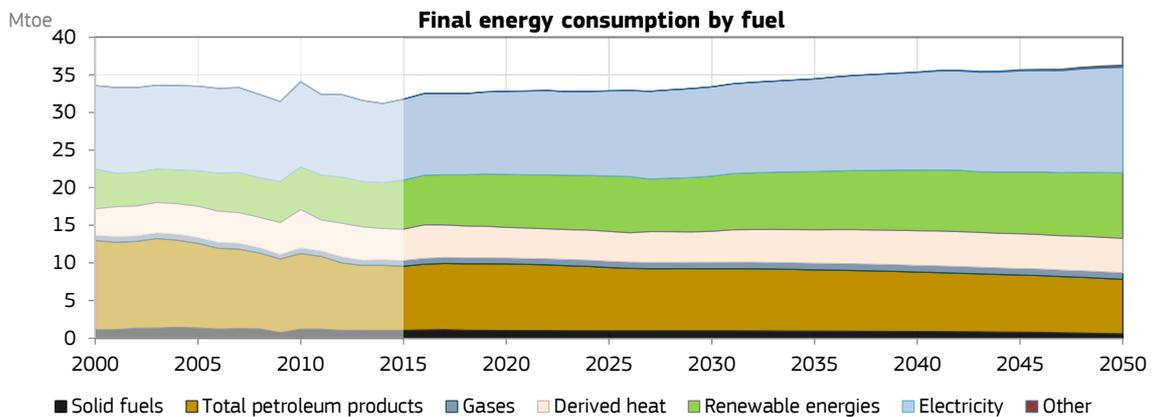
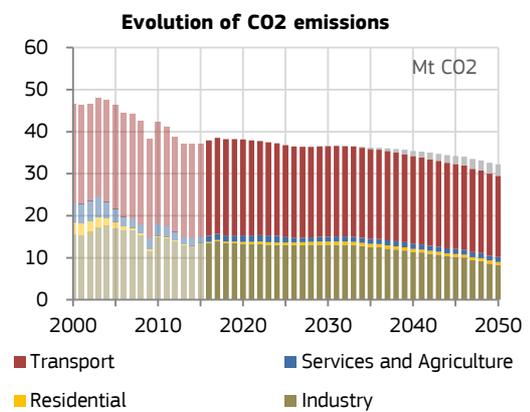
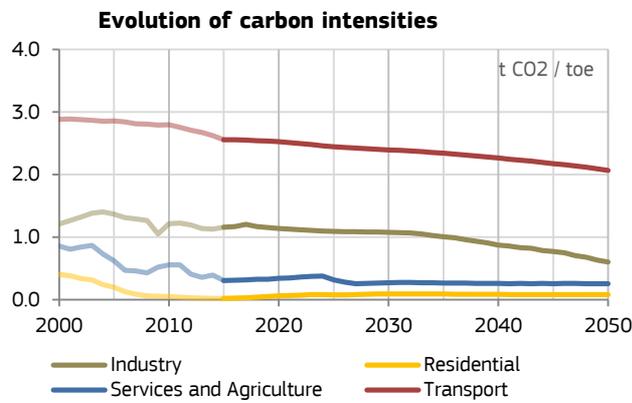
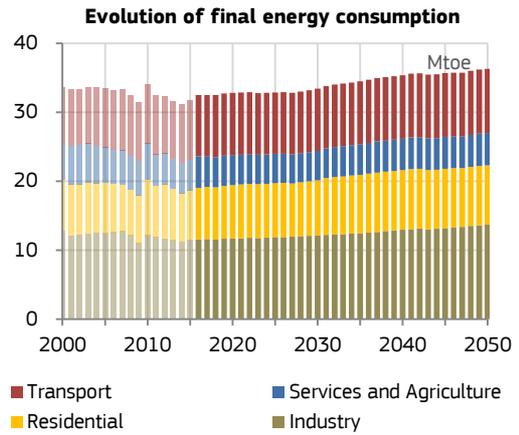
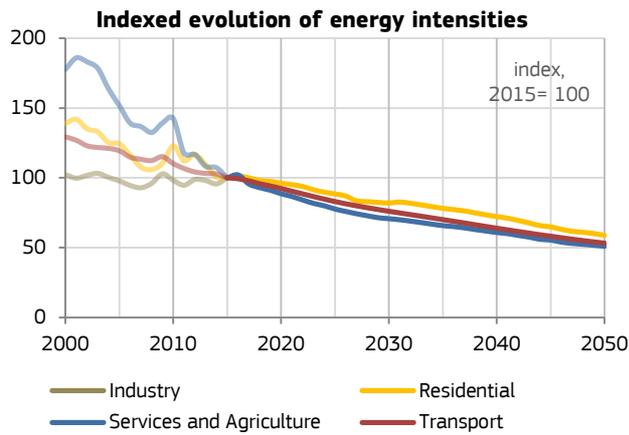
-1.1 Mtoe by 2050 from 2015 levels

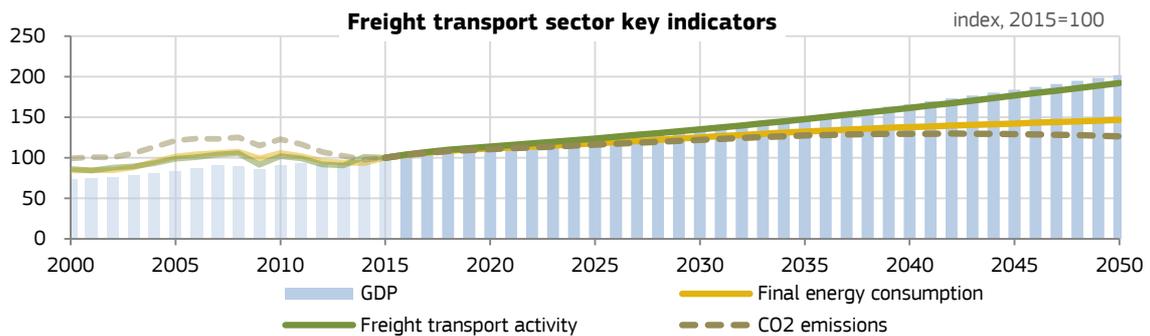
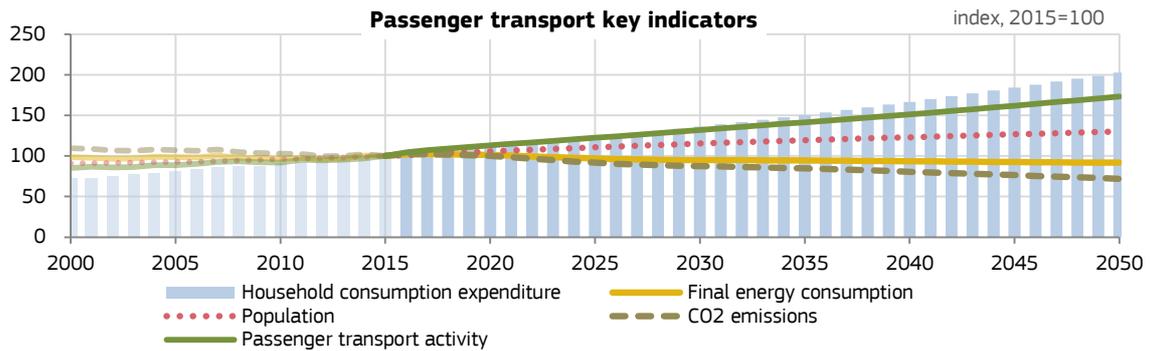
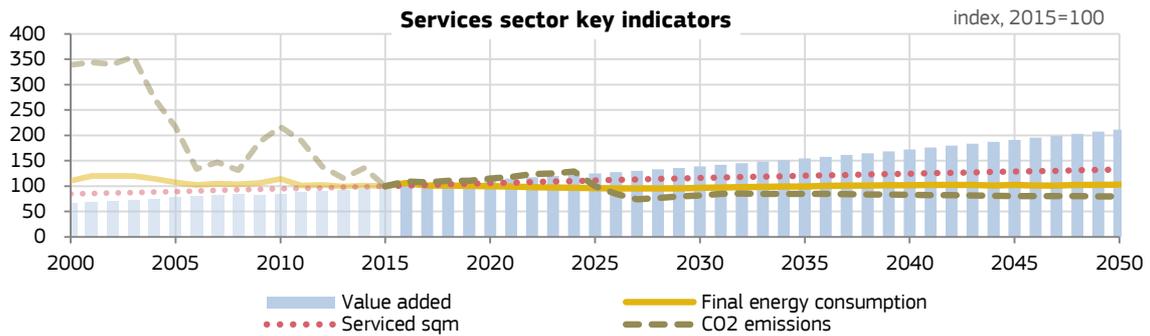
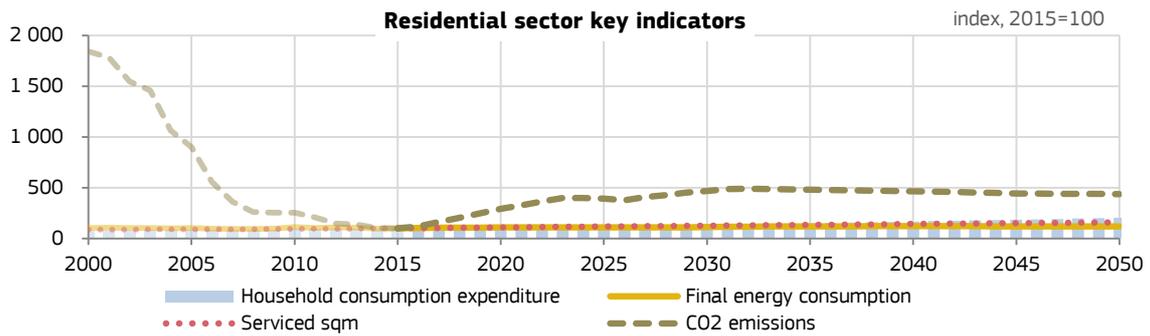
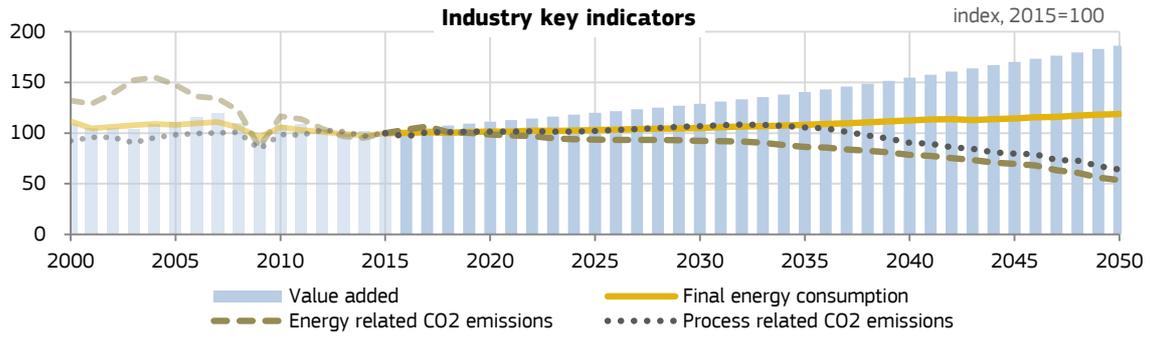


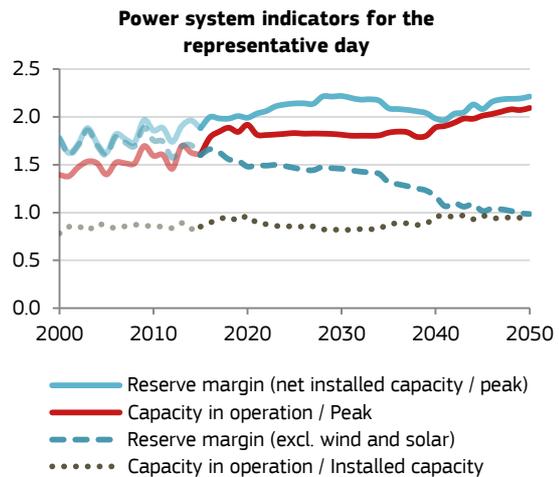
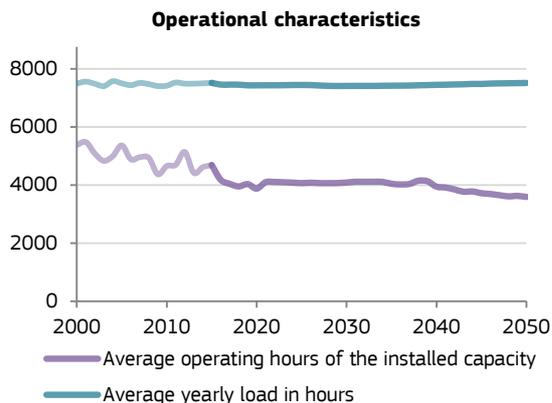
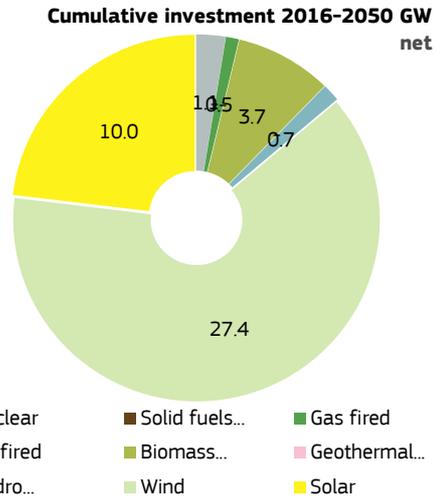
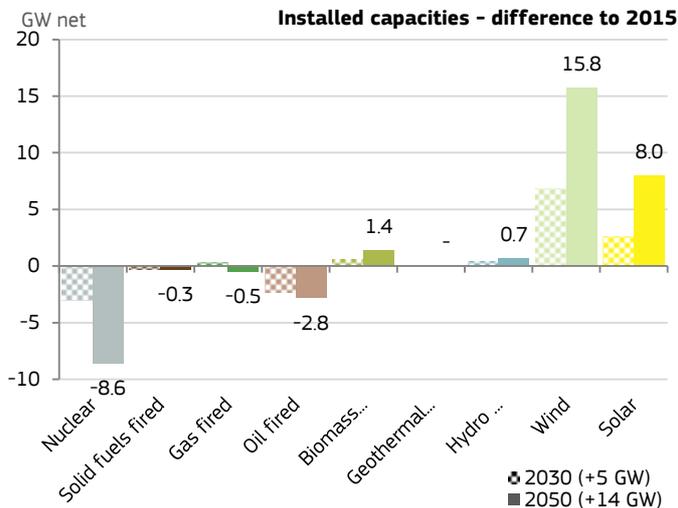
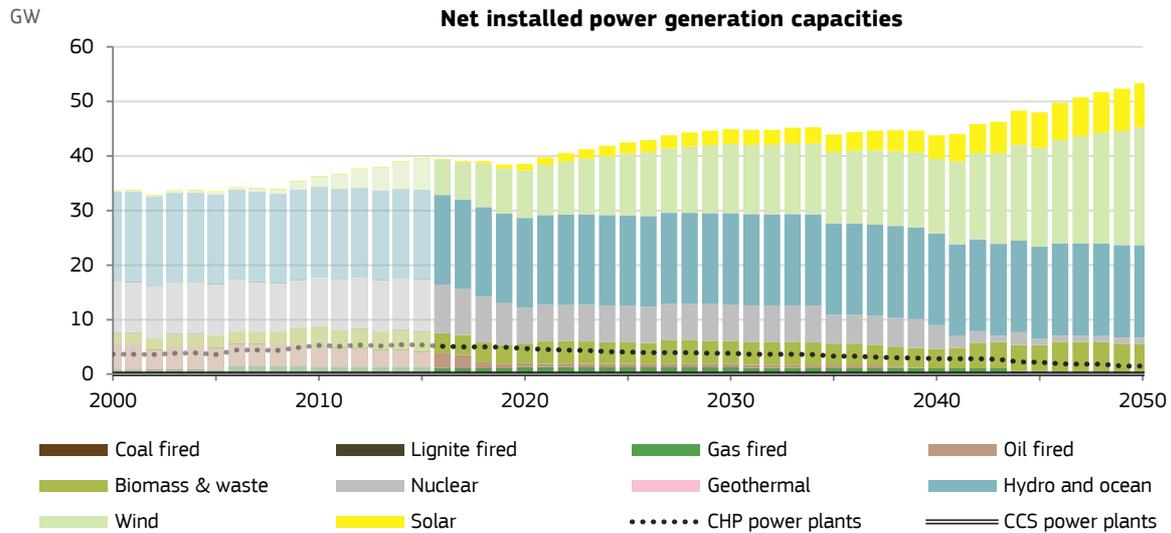
Share of renewable energies

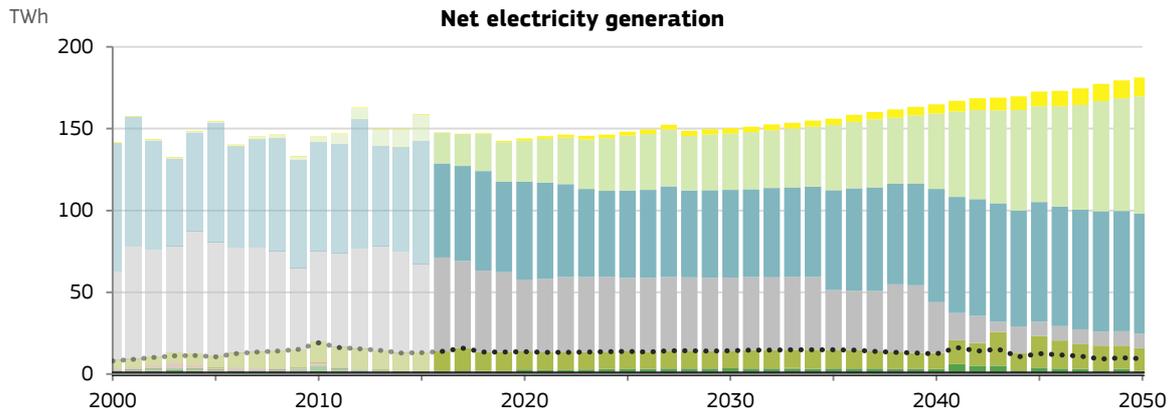




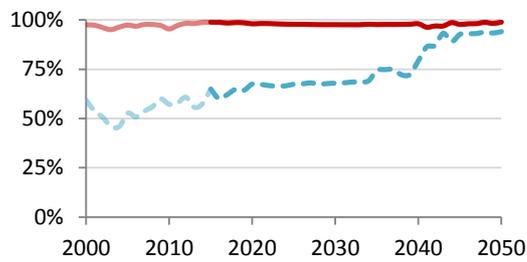




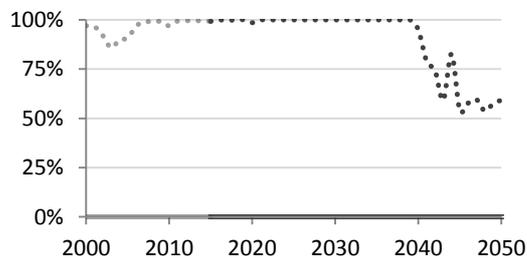




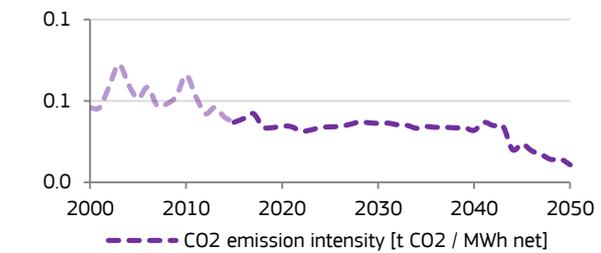
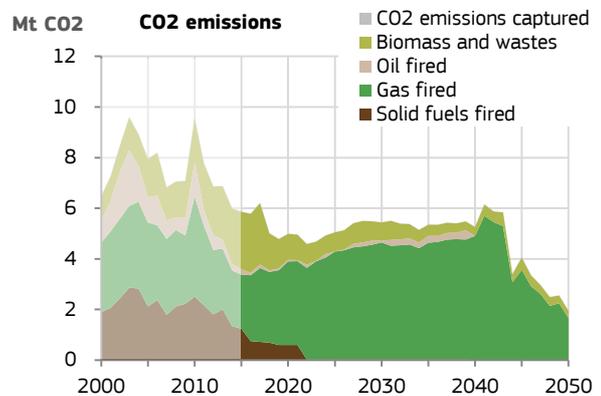
- Coal fired
- Biomass & waste
- Wind
- Lignite fired
- Nuclear
- Gas fired
- Geothermal
- Solar (PV+thermal)
- Oil fired
- Hydro
- CHP power plants
- CCS power plants



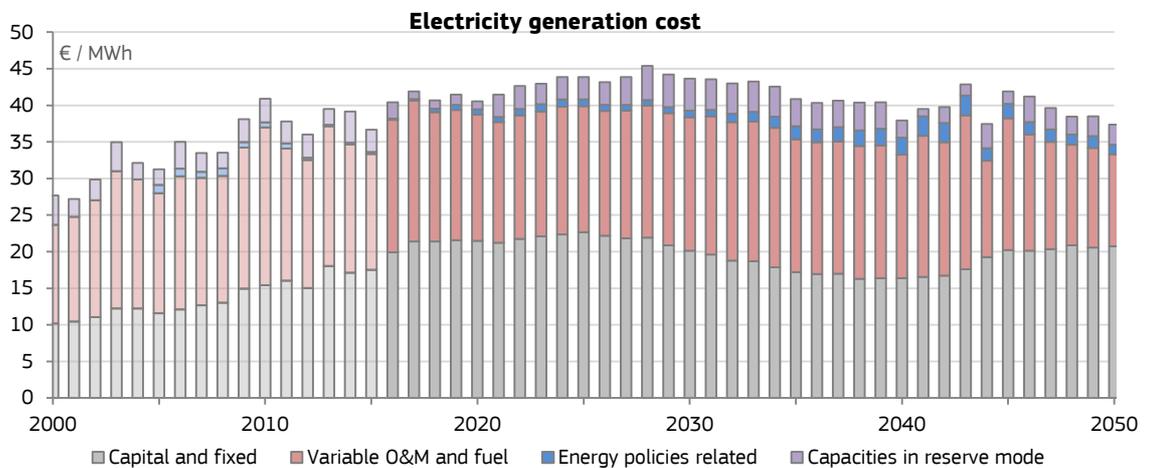
- Share of carbon-free energy forms in power generation
- - - Share of renewables in power generation



- Share of CHP in conventional thermal generation
- Share of CCS in conventional thermal generation



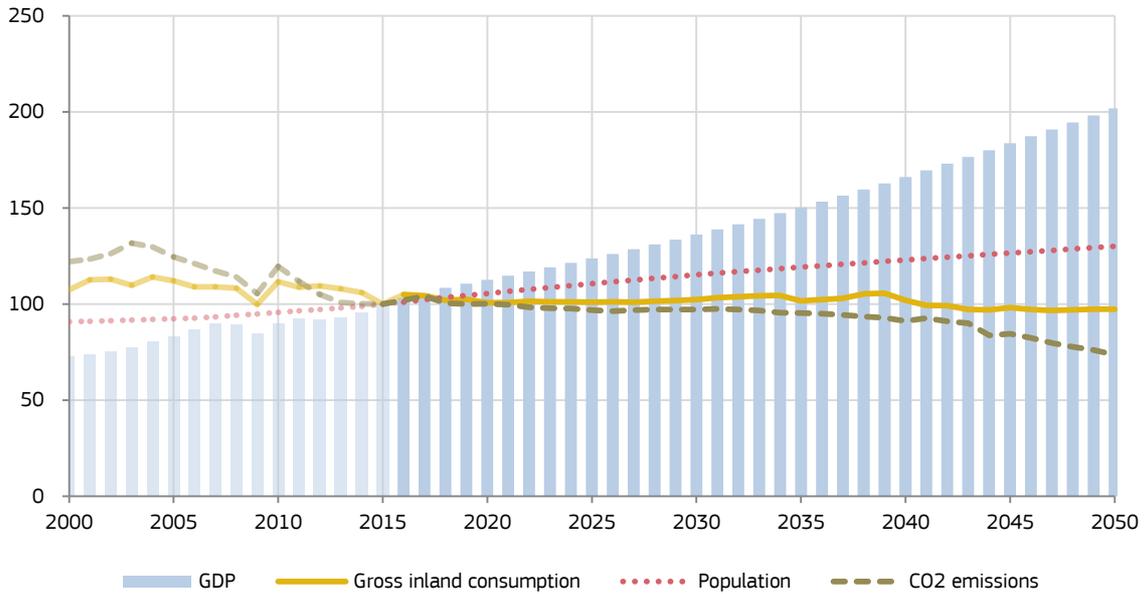
- CO2 emission intensity [t CO2 / MWh net]



- Capital and fixed
- Variable O&M and fuel
- Energy policies related
- Capacities in reserve mode

index, 2015=100

Key indicators of the SE energy system



Key figures concerning the evolution of the Central_2018 - Indicators energy system						
	1990	2005	2015	2020	2030	2050
Final energy consumption [Mtoe]	30.7	33.5	31.8	32.8	33.4	36.3
Primary energy consumption [Mtoe]	45.1	48.5	43.7	44.0	44.6	42.1
RES [%] - Share of energy from renewable sources		40.9%	55.7%	58.7%	60.0%	75.2%
RES-E [%] - Share of electricity from renewable sources		50.9%	65.5%	71.2%	68.7%	90.4%
Total CO2 emissions [Mt CO2] (with intern. aviation, without LULUCF)	57.9	57.6	46.2	46.3	44.9	34.0
<i>reduction to 1990</i>		-1%	-20%	-20%	-22%	-41%
Emissions in current ETS sectors [(SE) [Mt CO2]		27.0	21.9	21.3	21.4	13.8
<i>reduction to 2005</i>			-19%	-21%	-21%	-49%
Emissions in current ESD sectors [Mt CO2]		30.6	24.3	25.0	23.5	20.2
<i>reduction to 2005</i>			-20%	-18%	-23%	-34%

