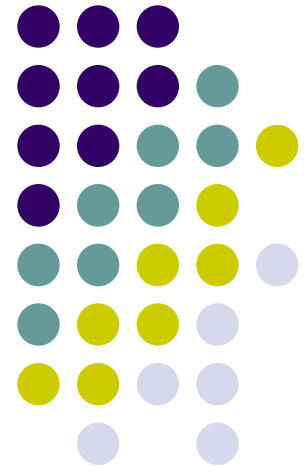
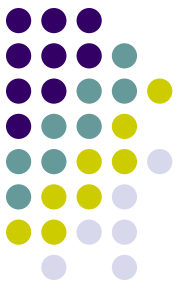


PRIMES model results

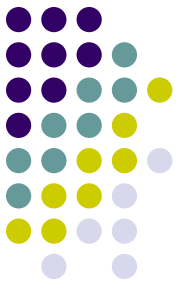
**Workshop on “Energy, greenhouse
gas emissions and climate change
scenarios”
(29-30 June 2004, EEA,
Copenhagen)**





Scenarios examined:

- LREM baseline scenario
- CAFÉ-KR scenario plus high and low effort variants
- Sustainable emission pathway scenario (SEP)
- Addressing the role of renewables
 - Renewables scenario (REN)
 - Sustainable emission pathway scenario combined with renewables scenario (SER)
 - Sustainable emission pathway scenario combined with renewables scenario with revised permit prices (RES)
- Addressing the role of economic development
 - Low economic growth scenario (LGC)
 - Sustainable emission pathway scenario combined with the low growth scenario (LGS)



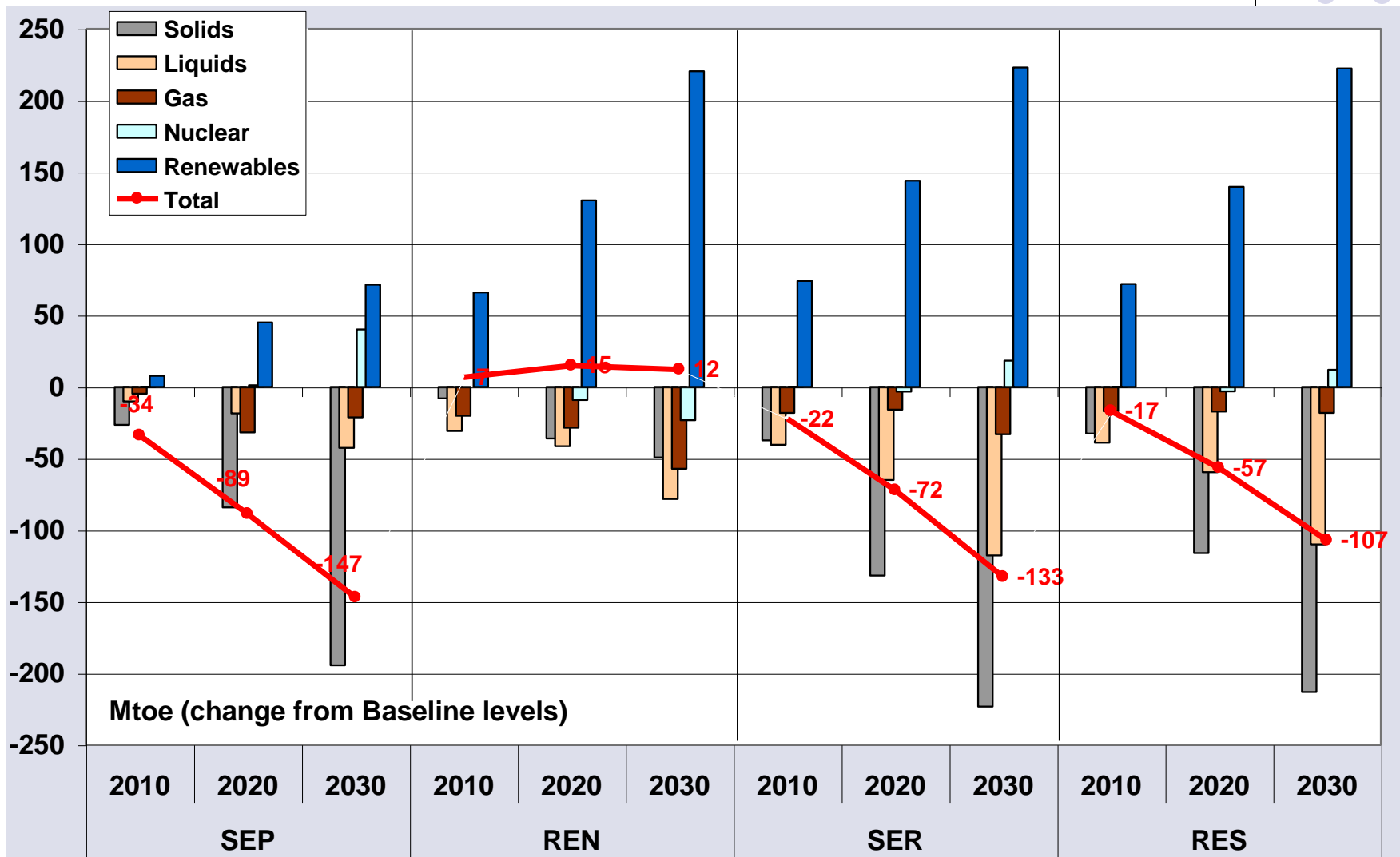
SEP and the role of renewables

Permit prices and subsidies on renewable electricity by case examined

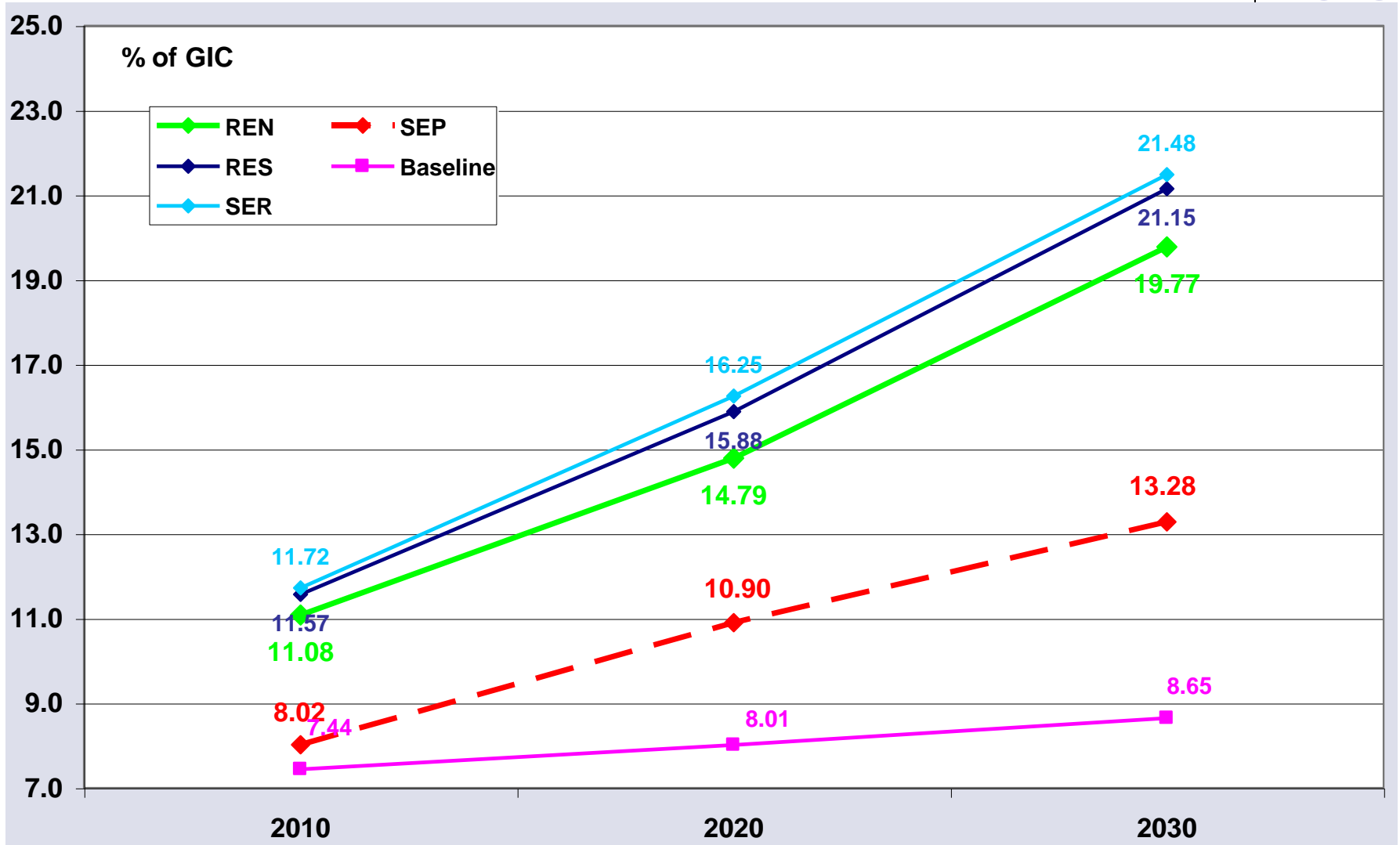
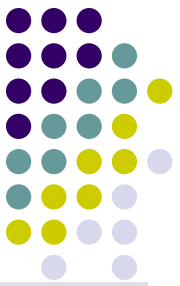


Marginal abatement cost or permit price						
(Eur'00 per t of CO2)						
	2005	2010	2015	2020	2025	2030
SEP	7	12	20	30	50	65
REN	0	0	0	0	0	0
SER	7	12	20	30	50	65
RES	7	10	16	24	41	49
Subsidy required						
mills per KWhe from renewable energy forms						
	2005	2010	2015	2020	2025	2030
SEP	0	0	0	0	0	0
REN	0	12	18	24	30	45
SER	0	12	18	24	30	45
RES	0	12	18	24	30	45

Gross inland consumption

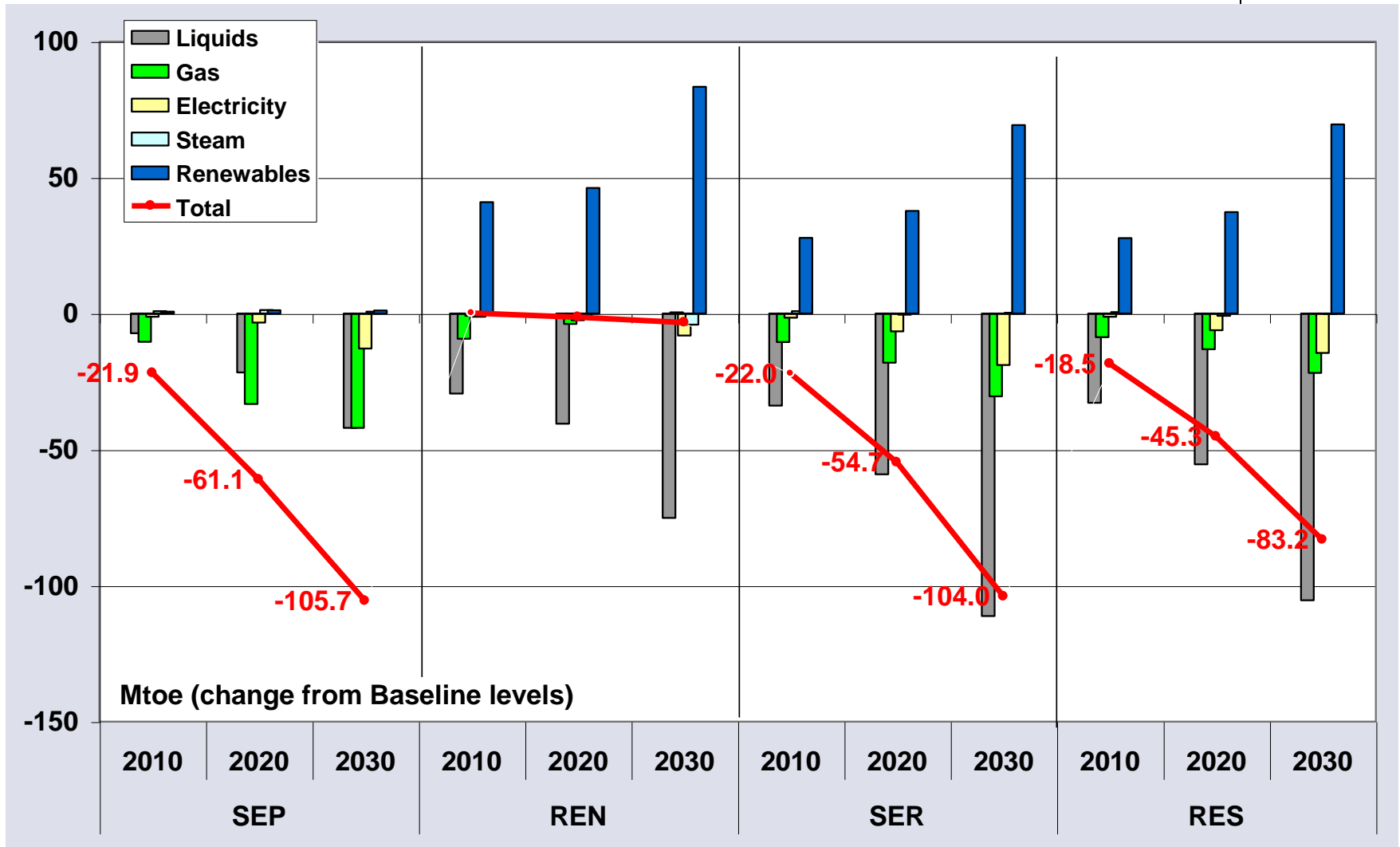
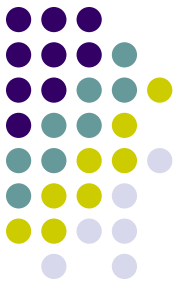


Renewables share in GIC (%)

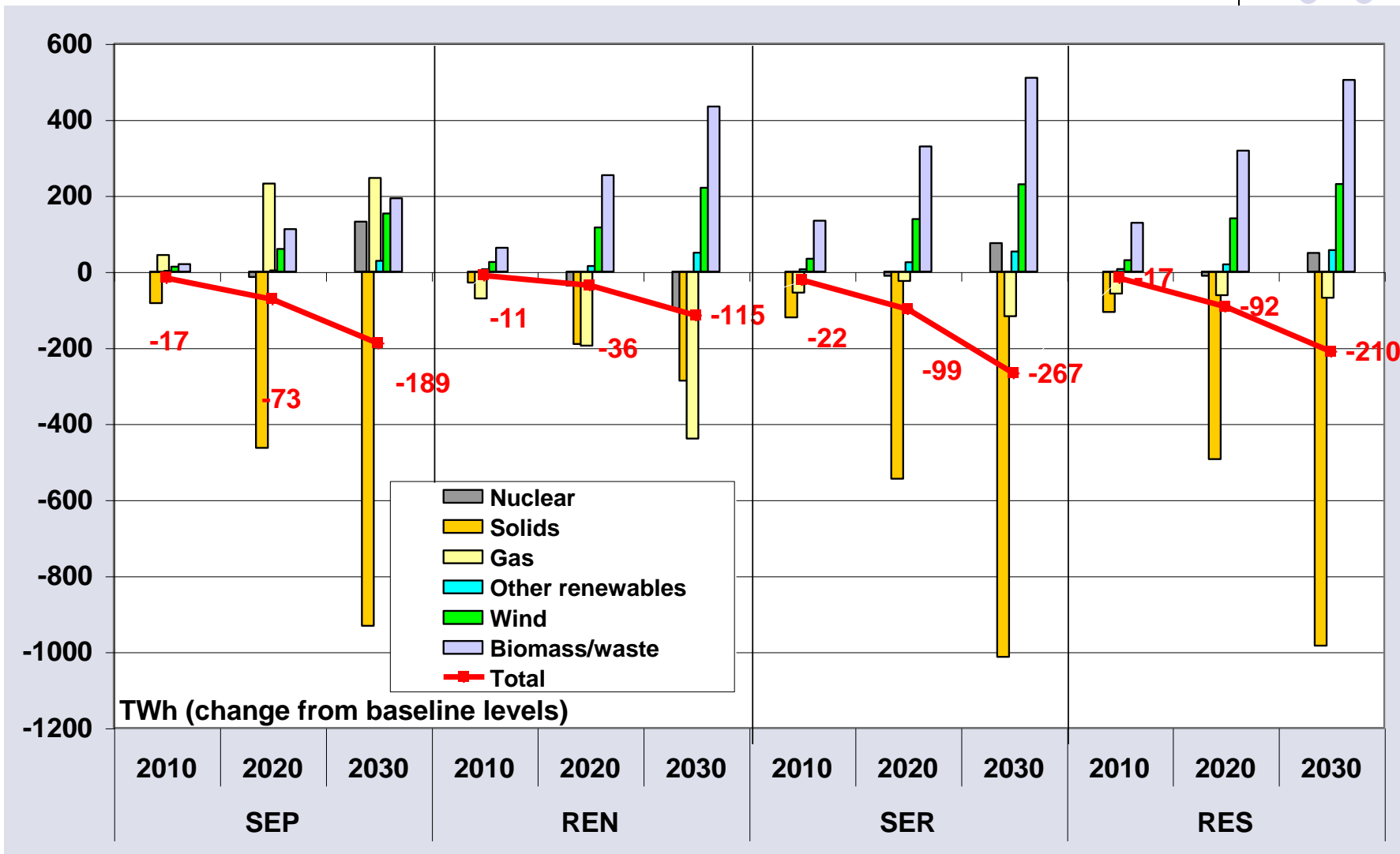


Demand side

renewables include biofuels used as ingredient in gasoline and diesel oil



Power generation

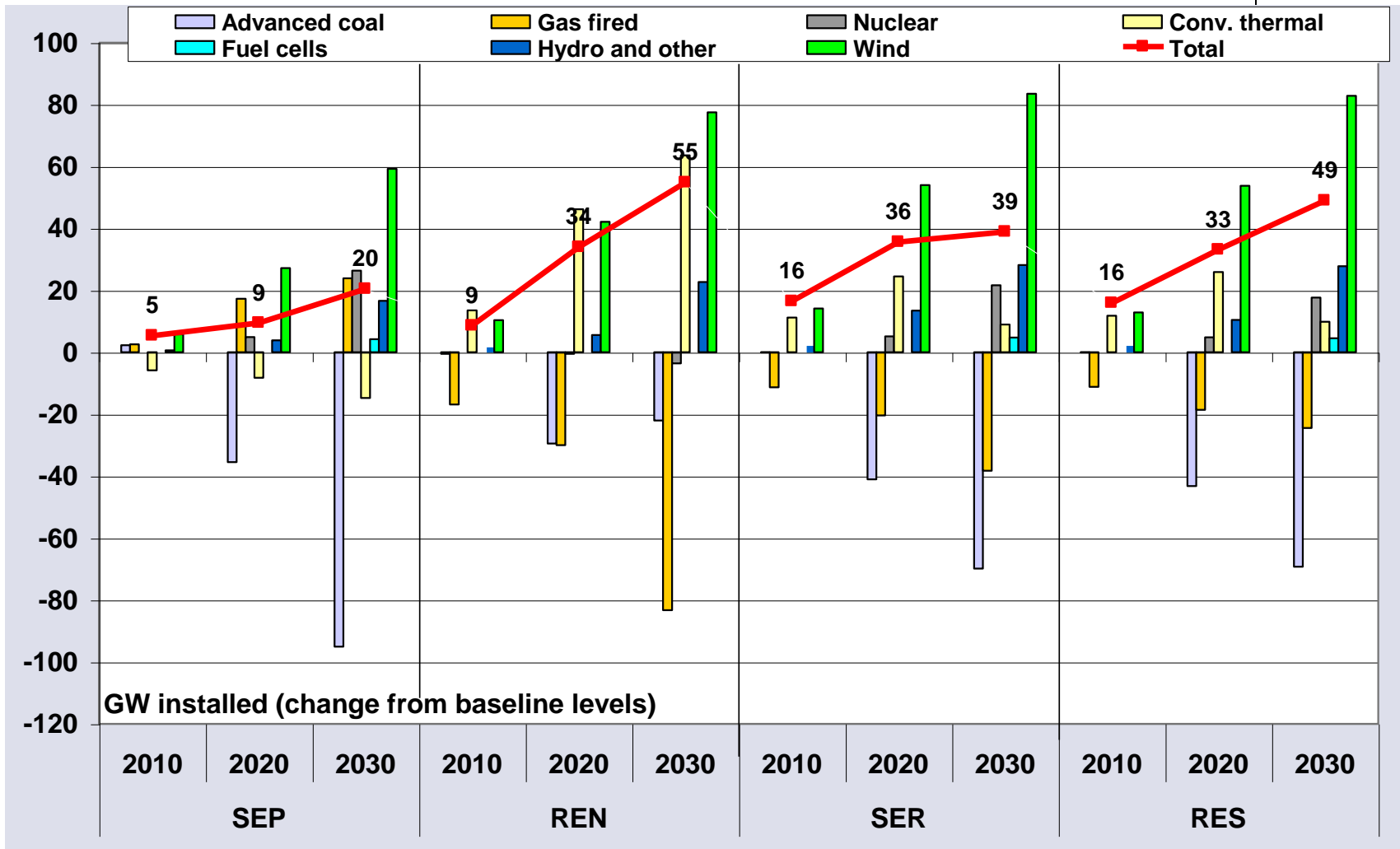
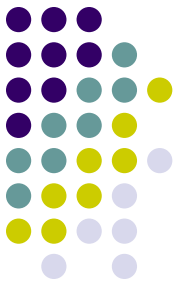


Renewables share in power generation (%)

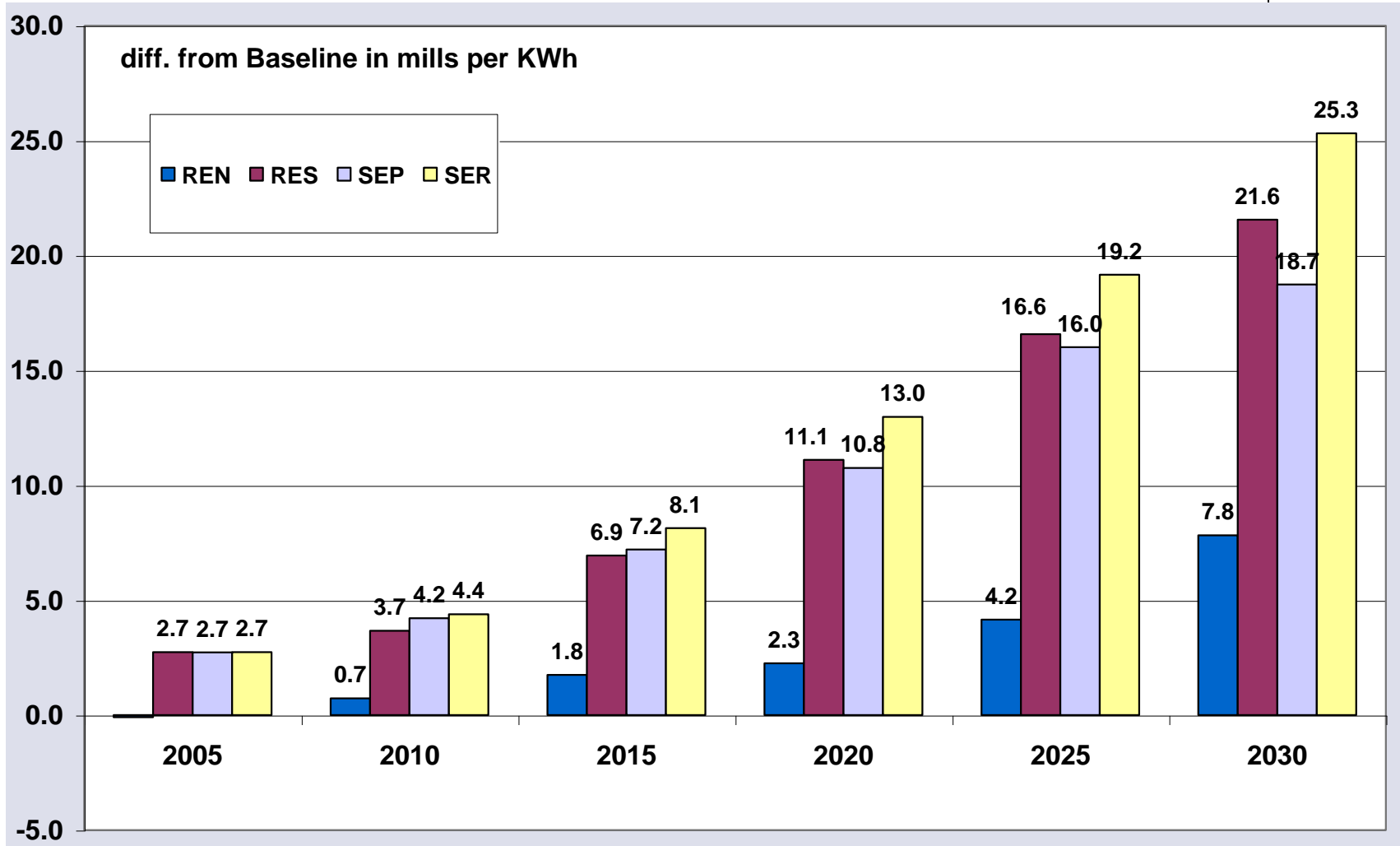
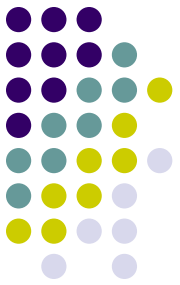


Renewables in power generation (%)						
	2005	2010	2015	2020	2025	2030
Baseline	14.0	16.3	16.5	16.4	16.9	17.2
SEP	14.6	17.1	18.5	20.7	24.0	26.3
REN	13.9	19.2	23.1	27.1	30.3	34.7
SER	14.6	21.3	24.9	29.2	32.4	36.9
RES	14.6	21.1	24.7	28.8	32.2	36.4

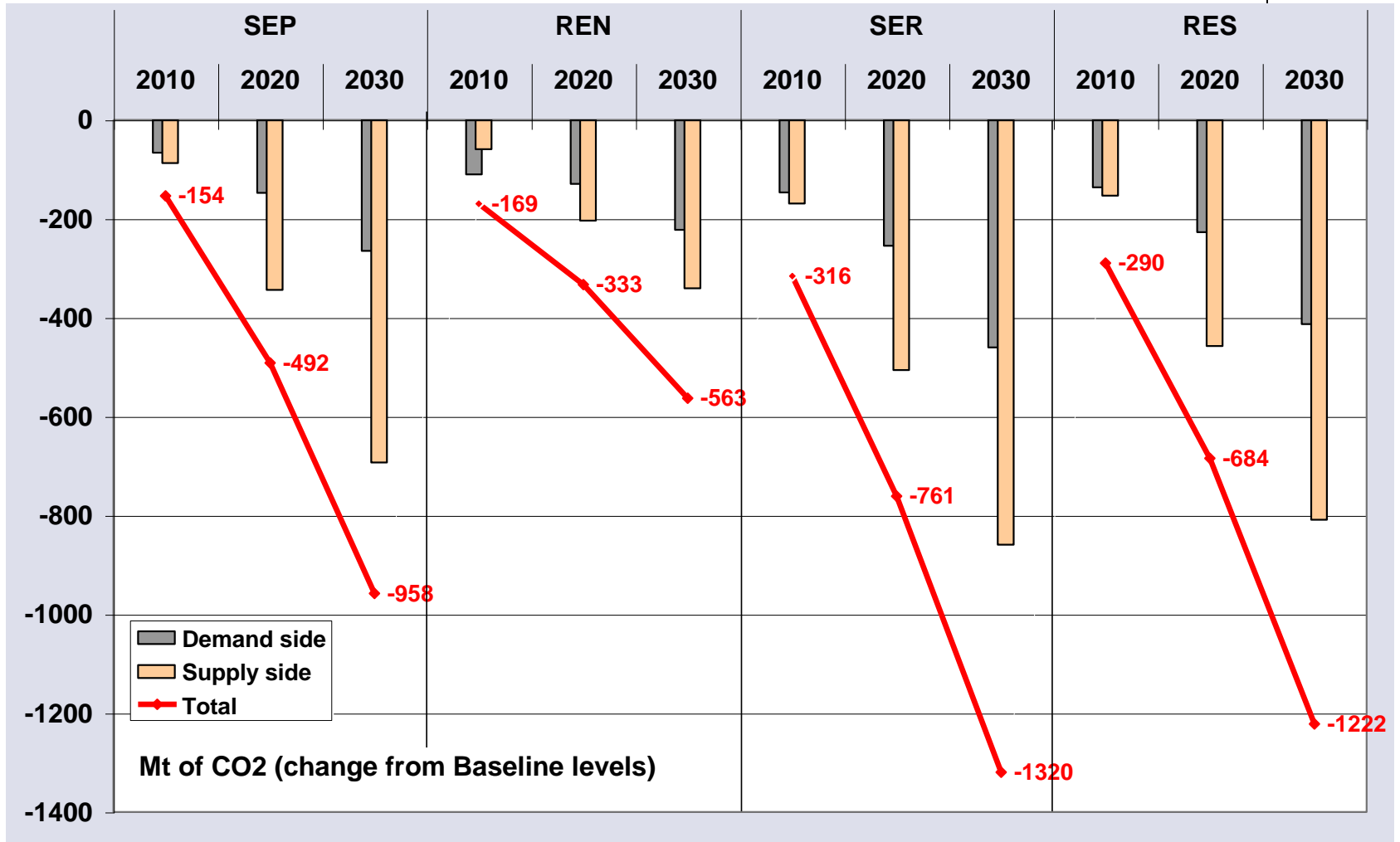
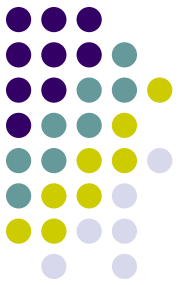
Changes in installed capacity



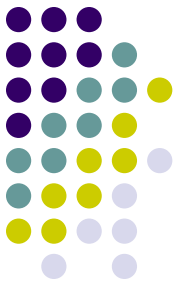
Average electricity tariff



CO2 emissions



CO2 emissions – Difference from 1990 levels (%)

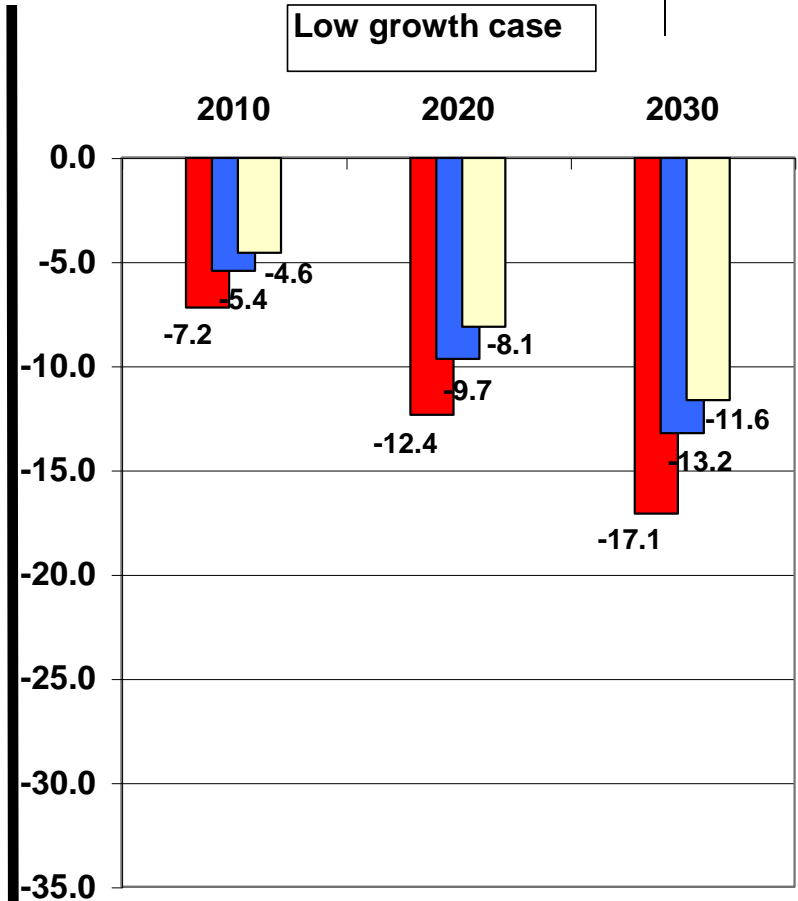
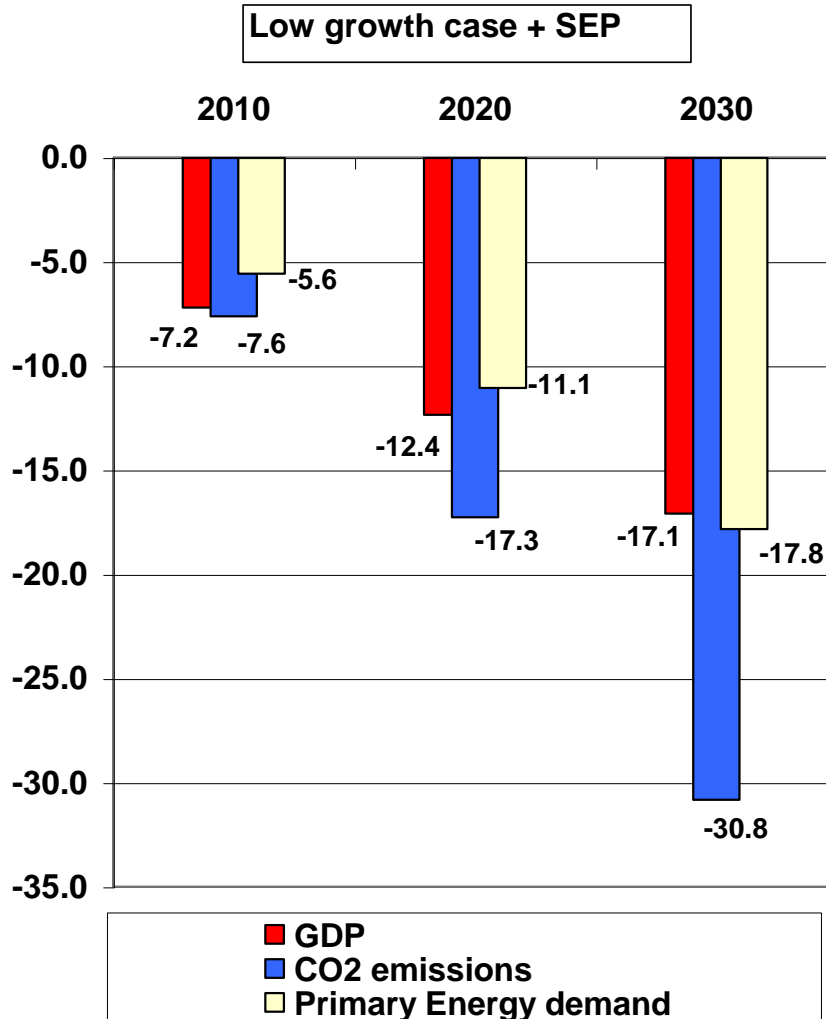


CO2 emissions - % change from 1990 levels						
	2005	2010	2015	2020	2025	2030
Baseline	-2.3	-0.3	1.9	7.2	10.3	14.2
SEP	-4.3	-4.4	-5.7	-5.9	-9.3	-11.2
REN	-3.1	-4.8	-4.3	-1.6	-1.3	-0.8
SER	-5.0	-8.7	-10.6	-13.0	-17.4	-20.8
RES	-5.0	-8.0	-9.7	-11.0	-15.6	-18.2

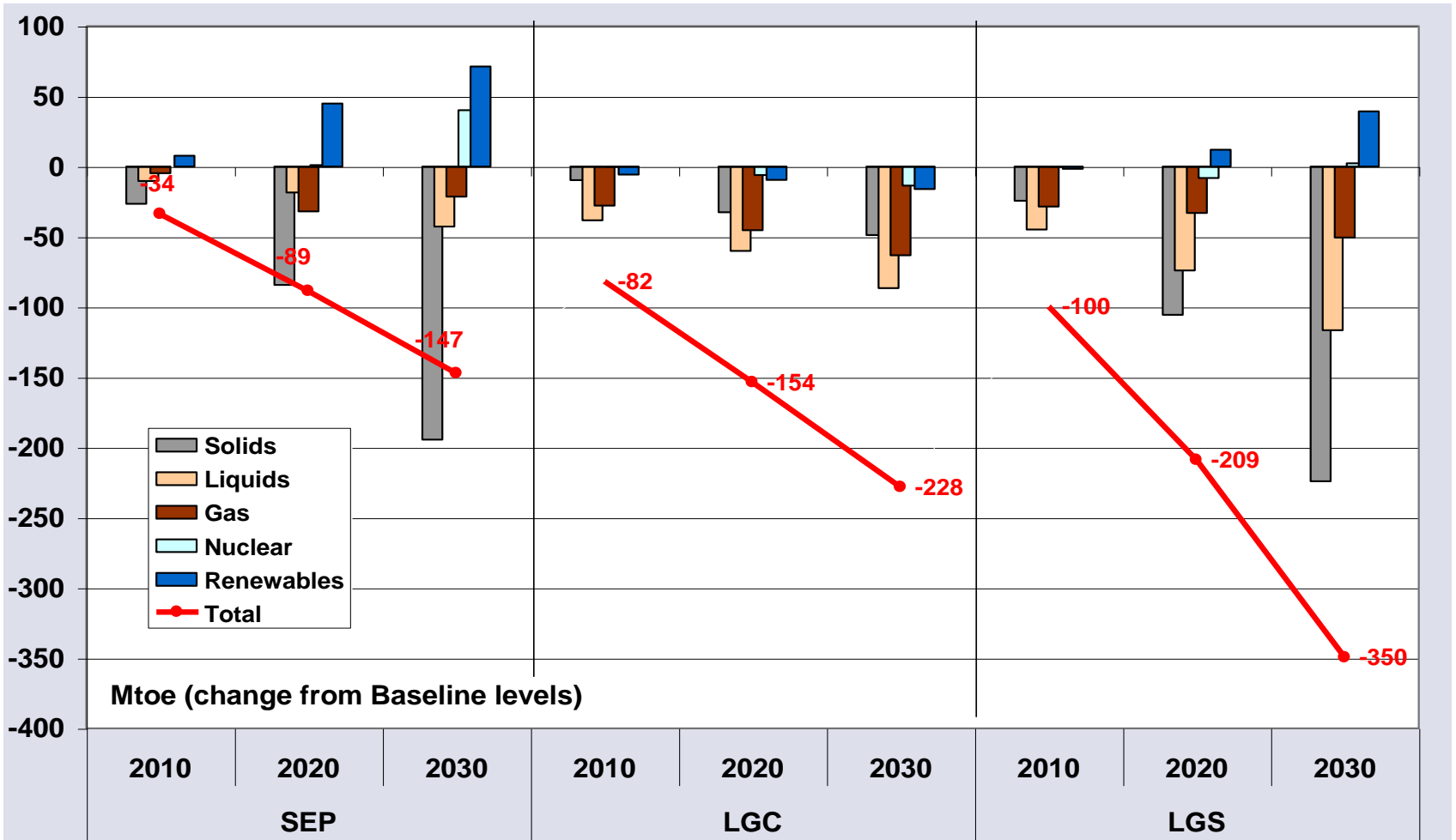
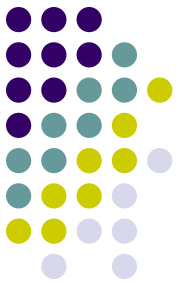


Low economic growth scenarios

Key indicators



Gross inland consumption



CO2 emissions - Difference from 1990 levels (%)

