



Schweizerische Eidgenossenschaft
Confédération suisse
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Swiss Confederation

Federal Department of the Environment,
Transport, Energy and Communications DETEC

Federal Office for the Environment FOEN
Air Pollution Control Division

Baseline scenario Switzerland as submitted to GAINS

TFIAM 37th session

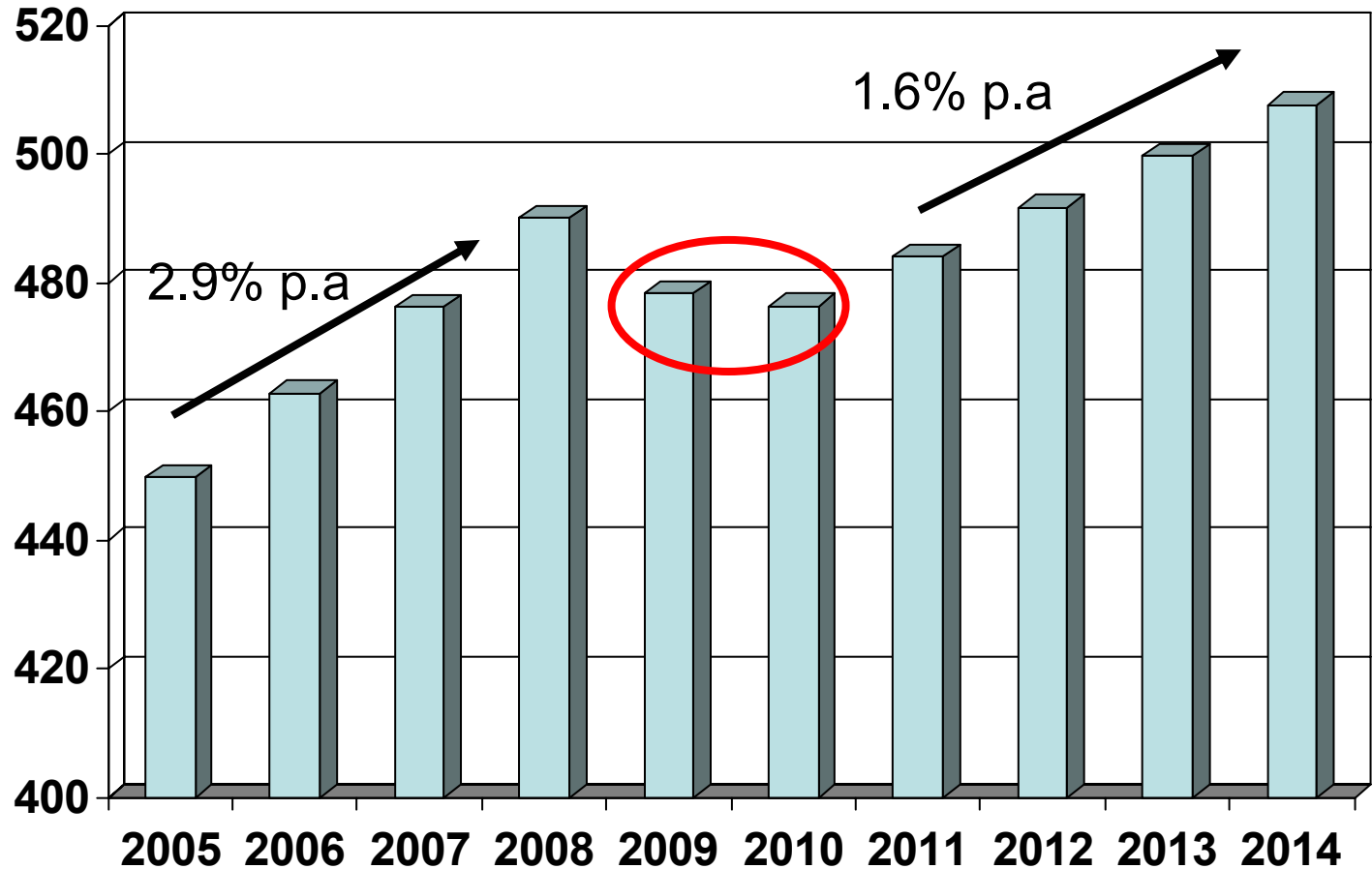


Overview

- Baseline scenario as used for 5th National Communication to UNFCCC (Dec 2009)
- Energy and transport policy as incorporated by end of 2009
 - CO2 tax on heating fuels (CHF 12 per ton CO2 in 2008 and 2009, 2010 – 2012: CHF 36 per ton CO2).
 - Building refurbishment programme (2009: CHF 100 million; 2010 – 2012: CHF 200 million per year)
 - “SwissEnergy” programme for promotion of energy efficiency and renewable energy
 - Transport sector: “climate cent” = surcharge in order to procure emission certificates worth 2.4 million ton per year
- Macroeconomic projections include effects of crisis
- Oil price projections: (2005) USD 55/bl until 2020, increasing to USD 70/bl in 2030; gas prices follow oil prices

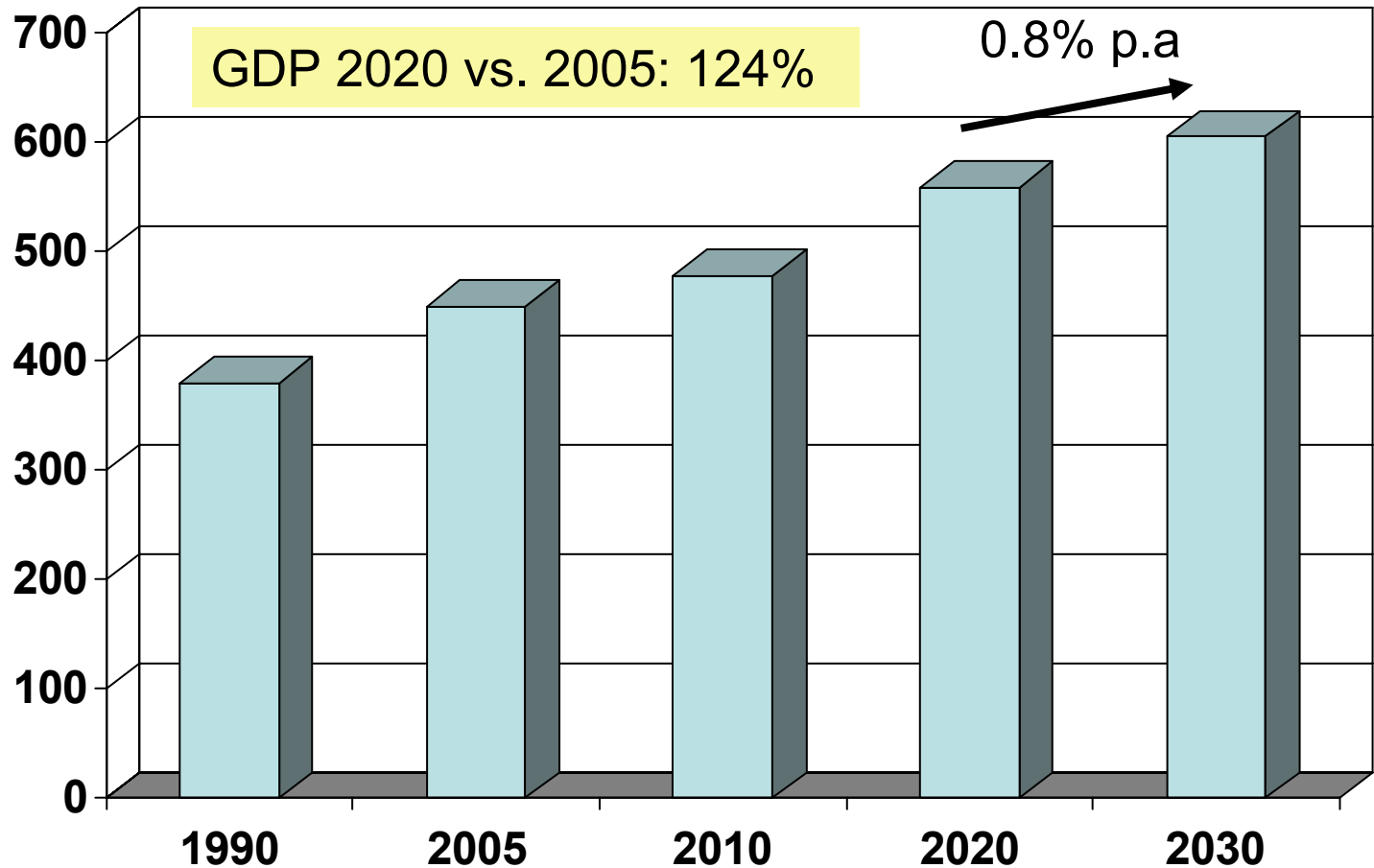


GDP real (basis 2005, billion CHF)



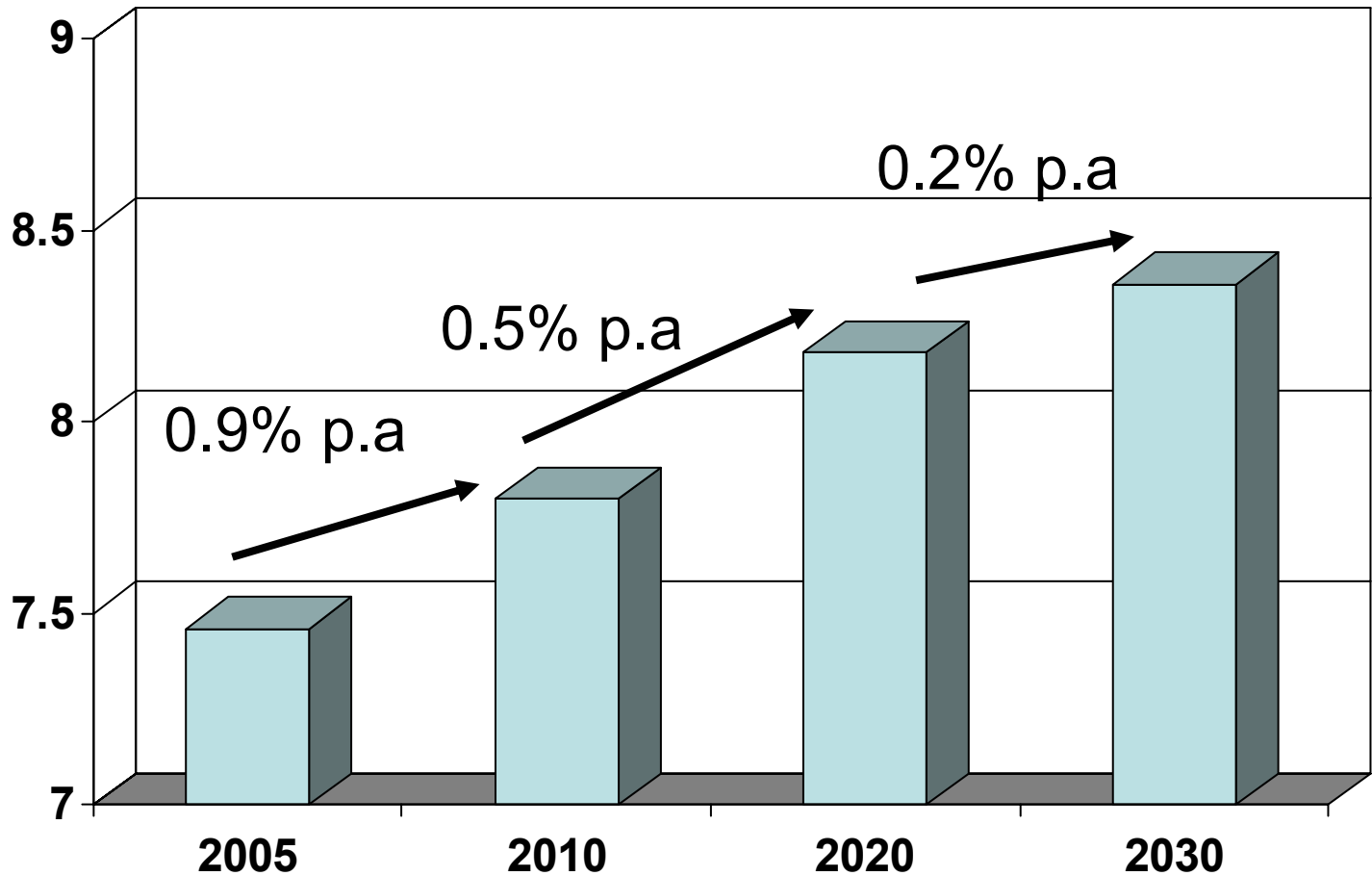


GDP real (basis 2005, billion CHF)



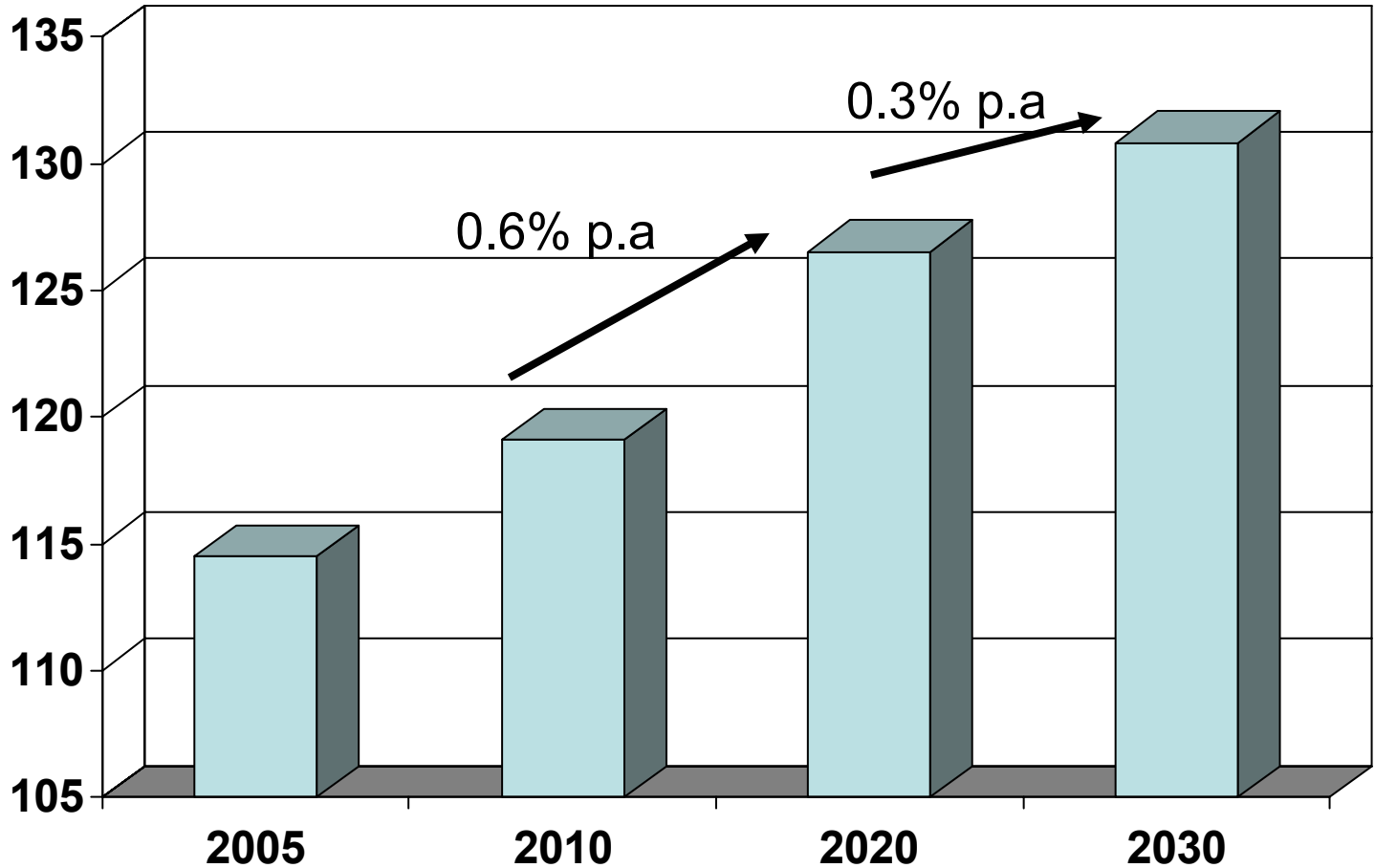


Population (in millions)



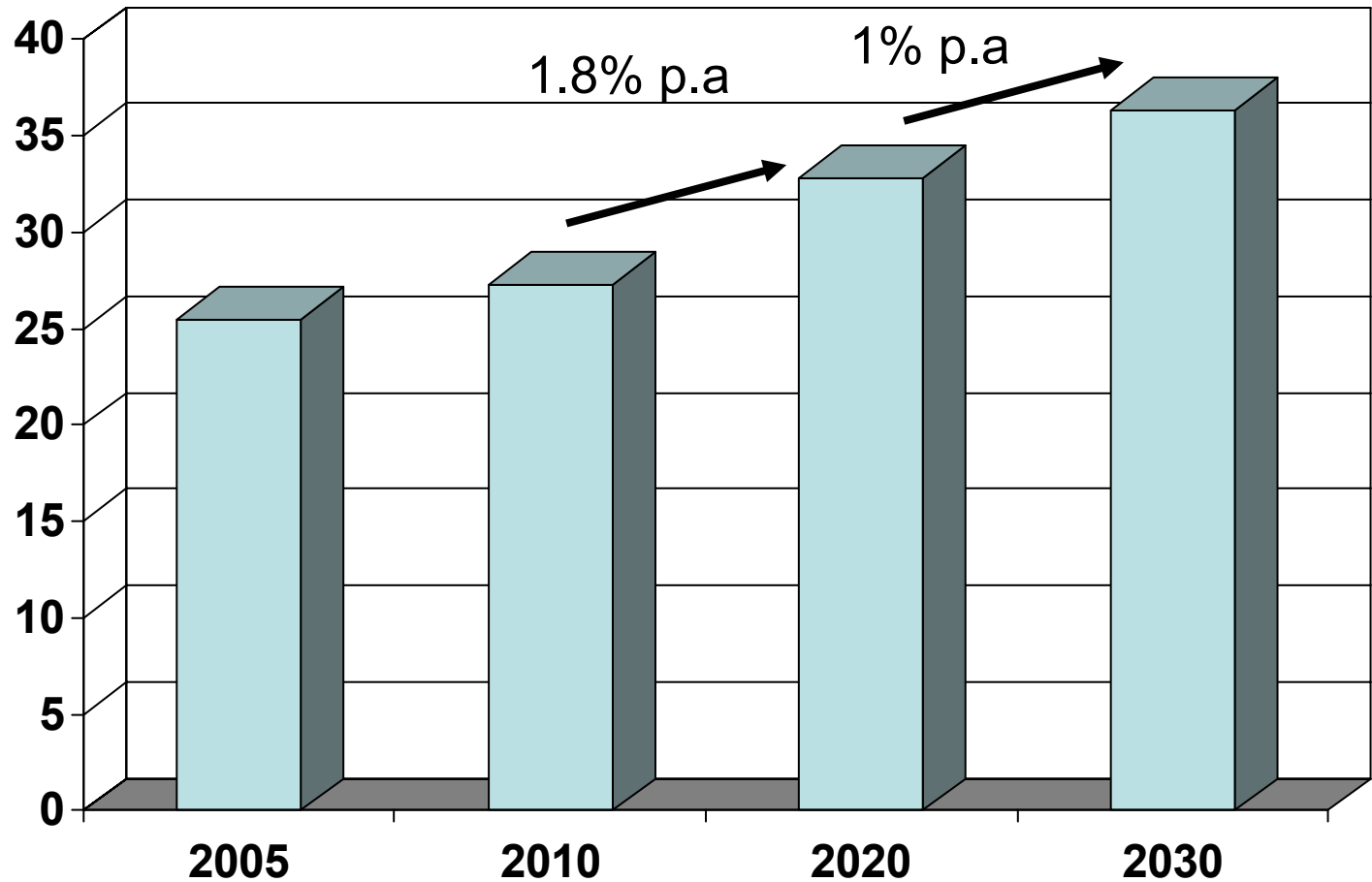


Passenger traffic (billion person km)



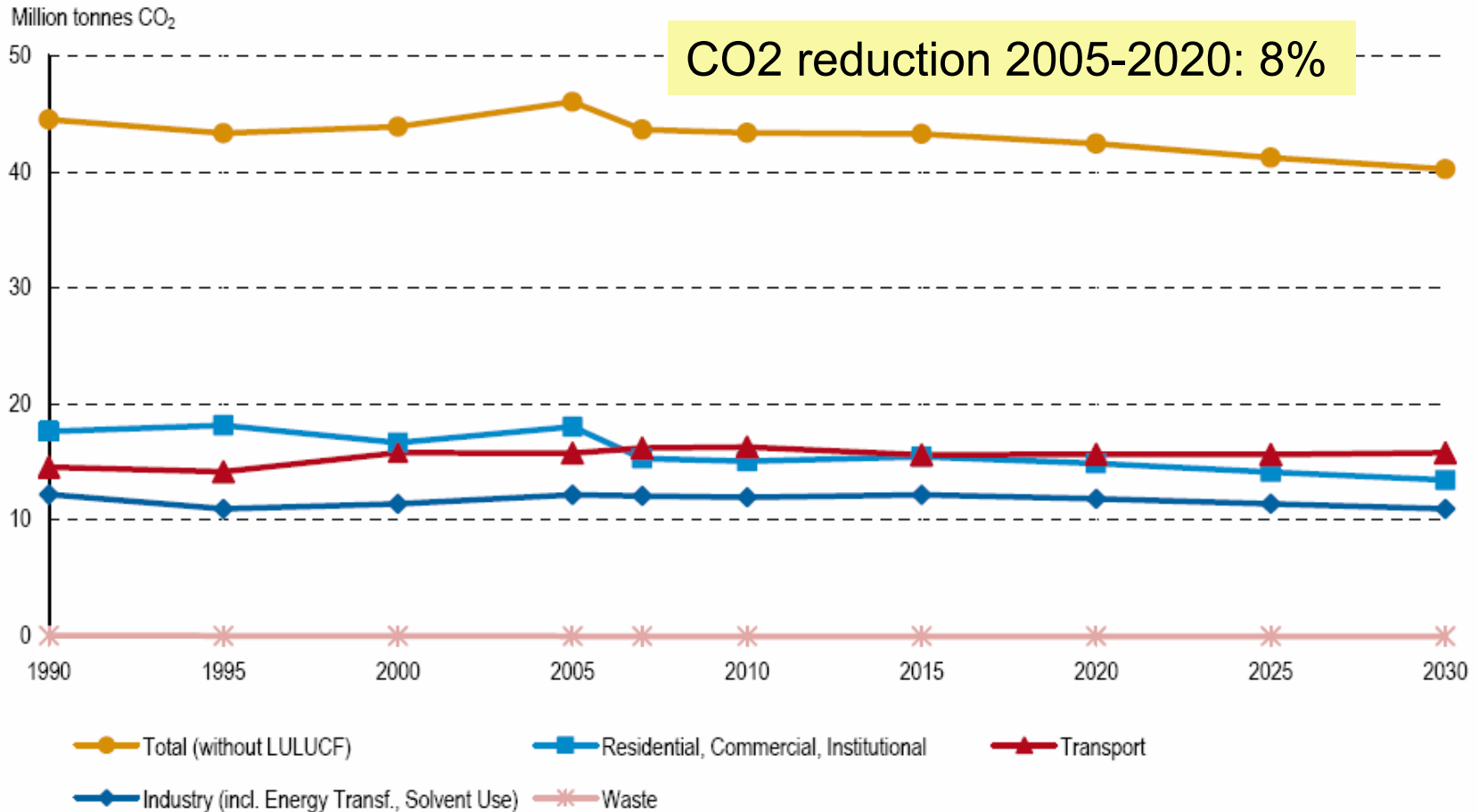


Heavy duty traffic (billion tonnes km)





CO2 emissions by sector from 1990 to 2030, scenario “with measures”





Climate Policy: Planned Additional Measures

Draft CO2 act revision (submitted to Parliament) with reduction target of CO2 emissions of 20% (1990 – 2020) in analogy to EU (option: 30%)

- CO2 tax on fossil heating fuels to be continued (36 CHF / ton CO2)
- partial use of CO2 tax income to financially support energy-saving measures for buildings (200 mio CHF)
- Regulation on CO2 emissions for new car fleets (130 g/km)
- CO2 emission cap for motor fuels (20% reduction) with compensation scheme inland or abroad
- Enlargement of emissions trading – exploration of possible linkages to other schemes