

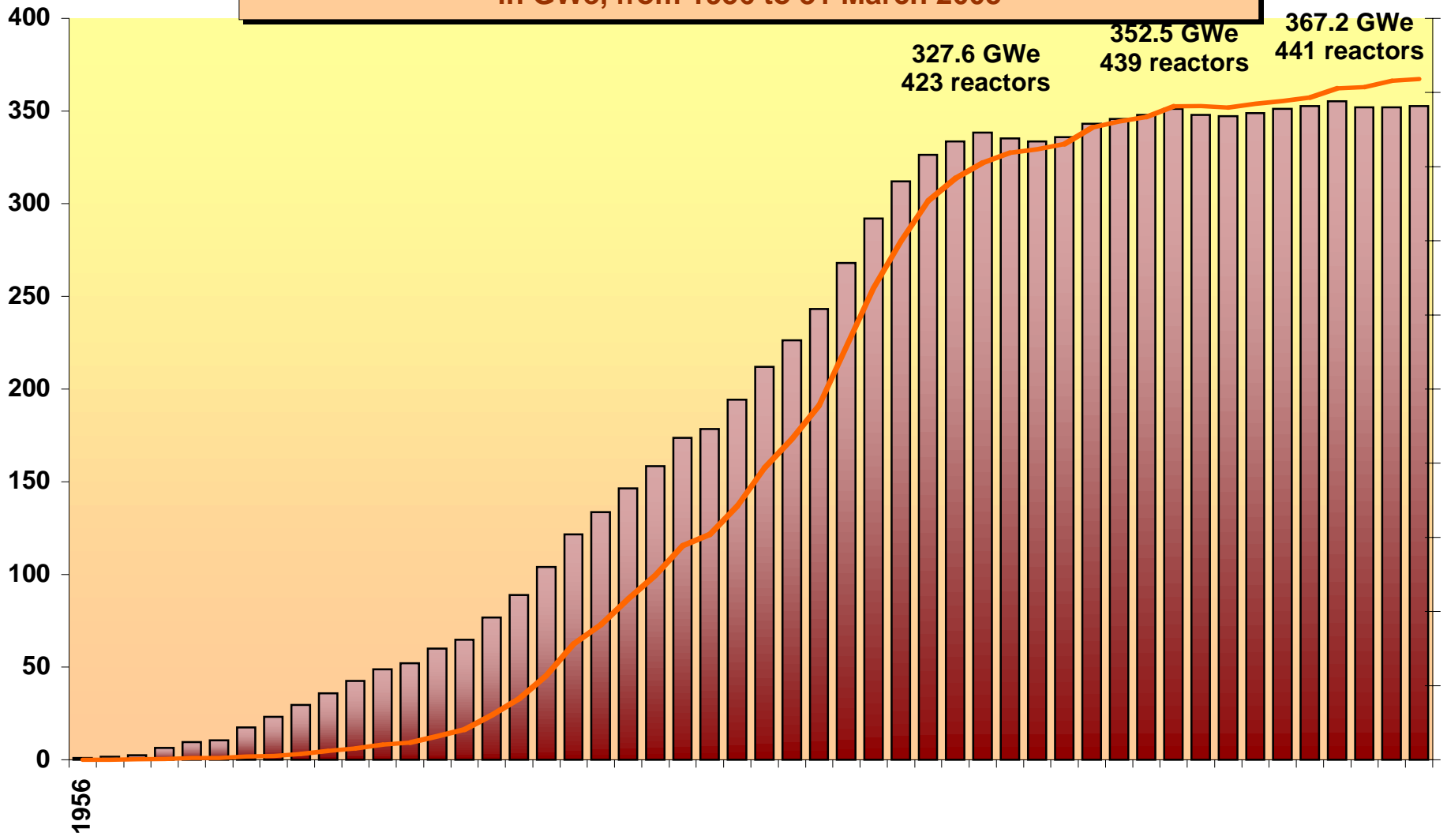
Status and Trends of the World Nuclear Industry

Mycle Schneider

International Consultant on Energy and Nuclear Policy

Christiansborg
Copenhagen, 23 September 2005

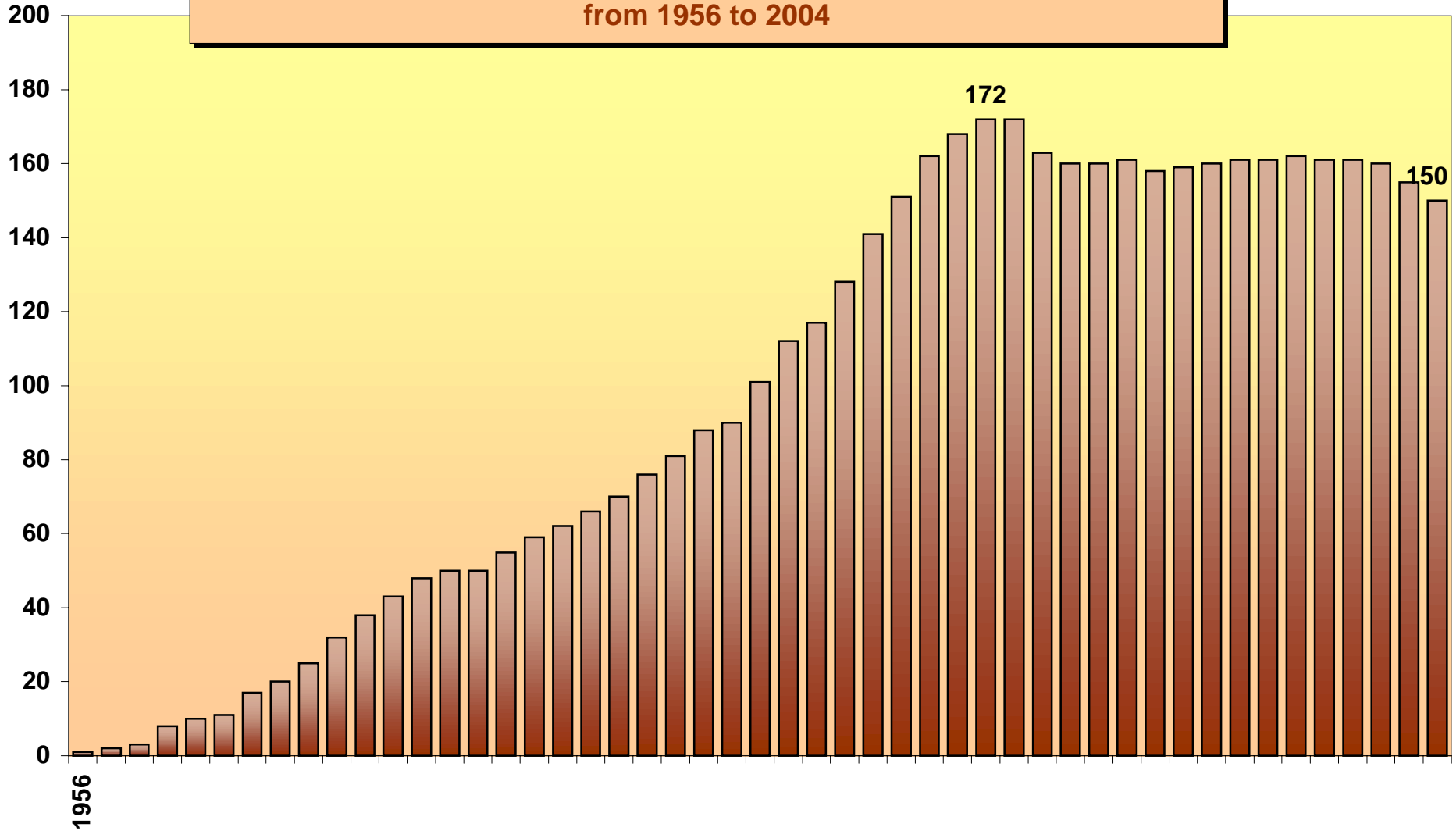
Nuclear Reactors & Net Operating Capacity in the World in GWe, from 1956 to 31 March 2005



Source : IAEA PRIS

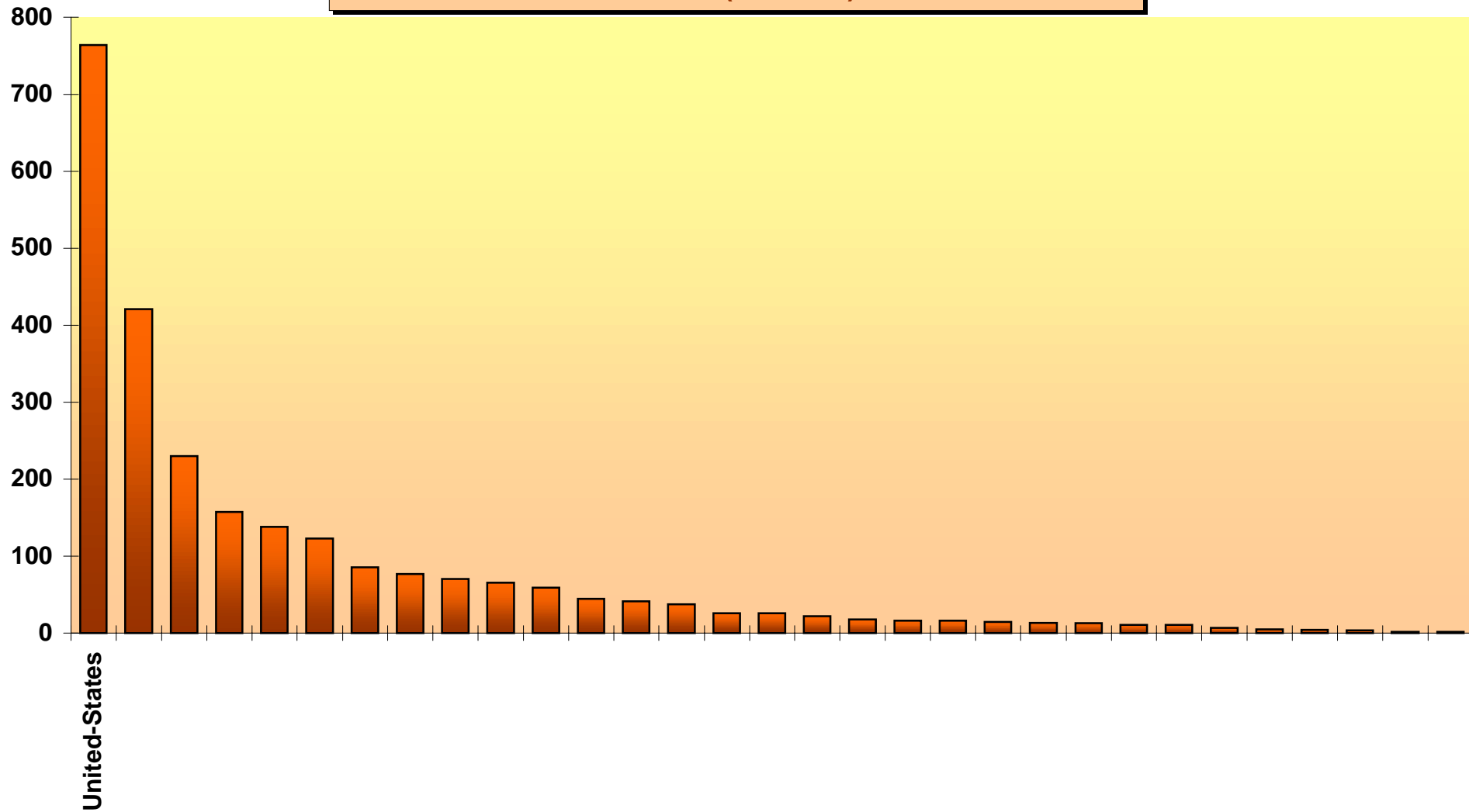
Nuclear Reactors in Operation in the EU 25

from 1956 to 2004



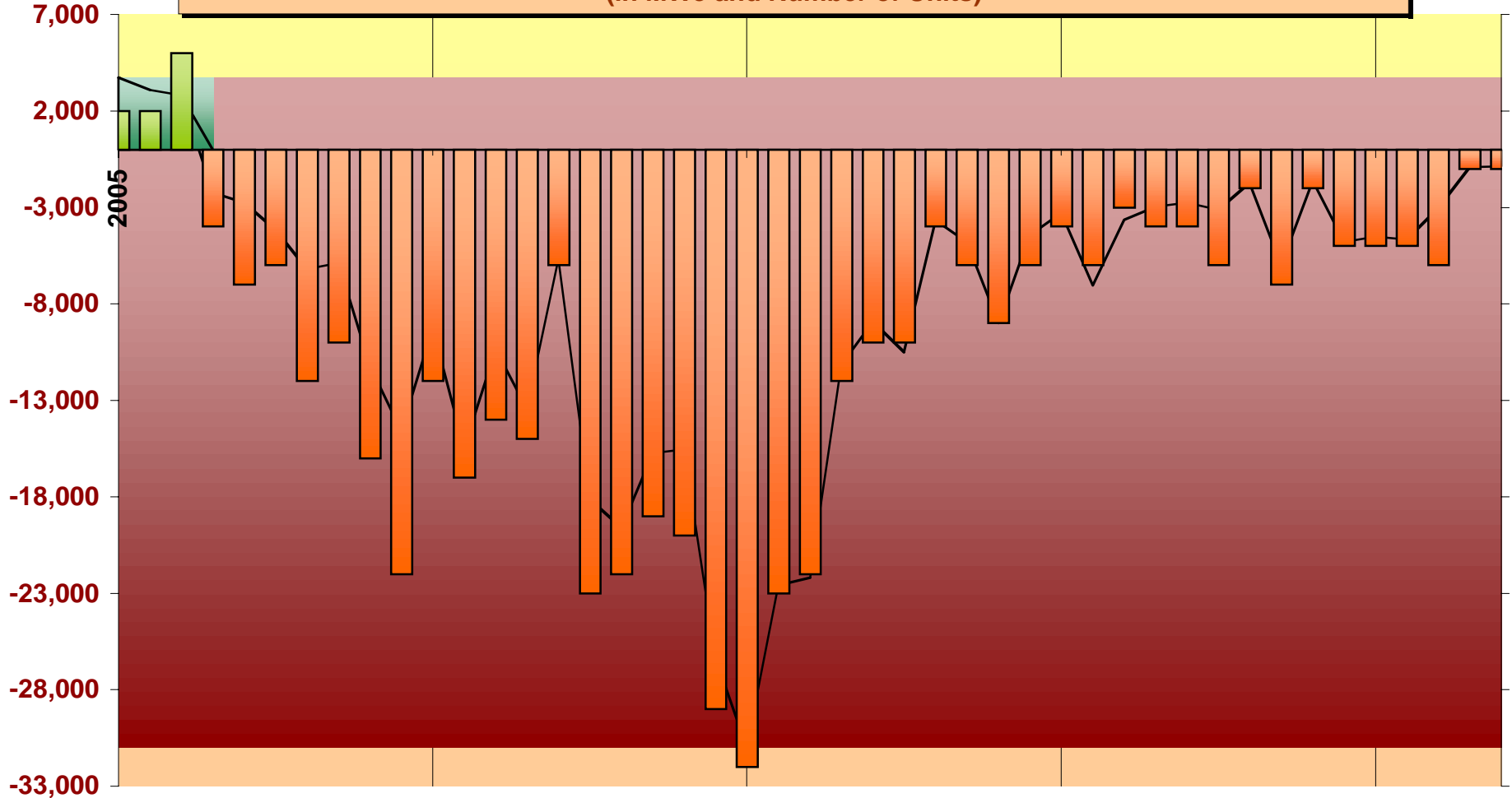
Source: IAEA PRIS

Generation of Nuclear Electricity in the World in 2003 (net TWh)



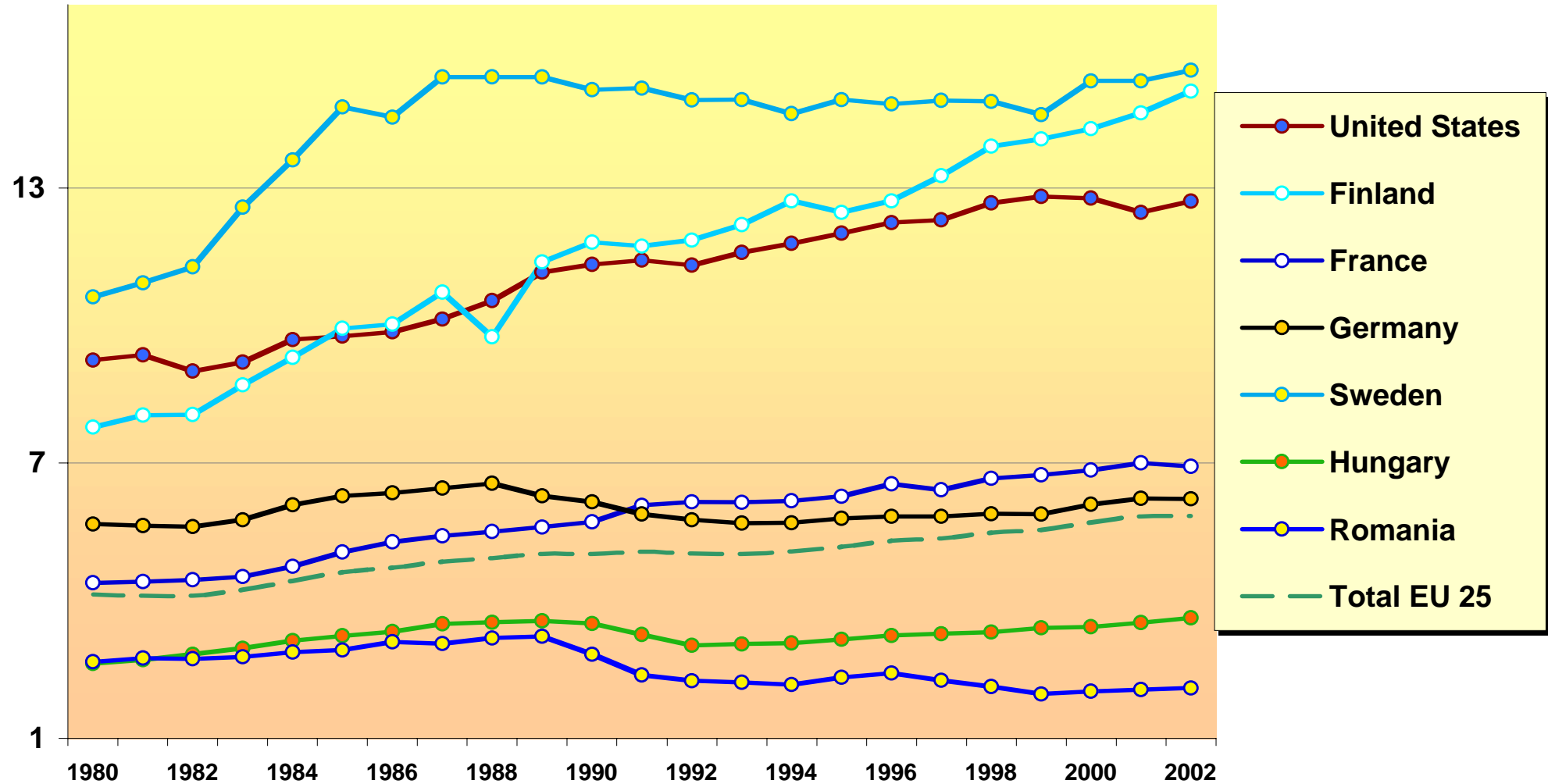
Source: IAEA PRIS

**Projection 2005-2047 of Net Nuclear Reactor/Capacity Start-up and Shut-down
of Units operating or Under Construction in the World in 2005**
 Estimate on the Basis of 40 Years of Mean Lifetime (32 years for Germany)
 (in MWe and Number of Units)



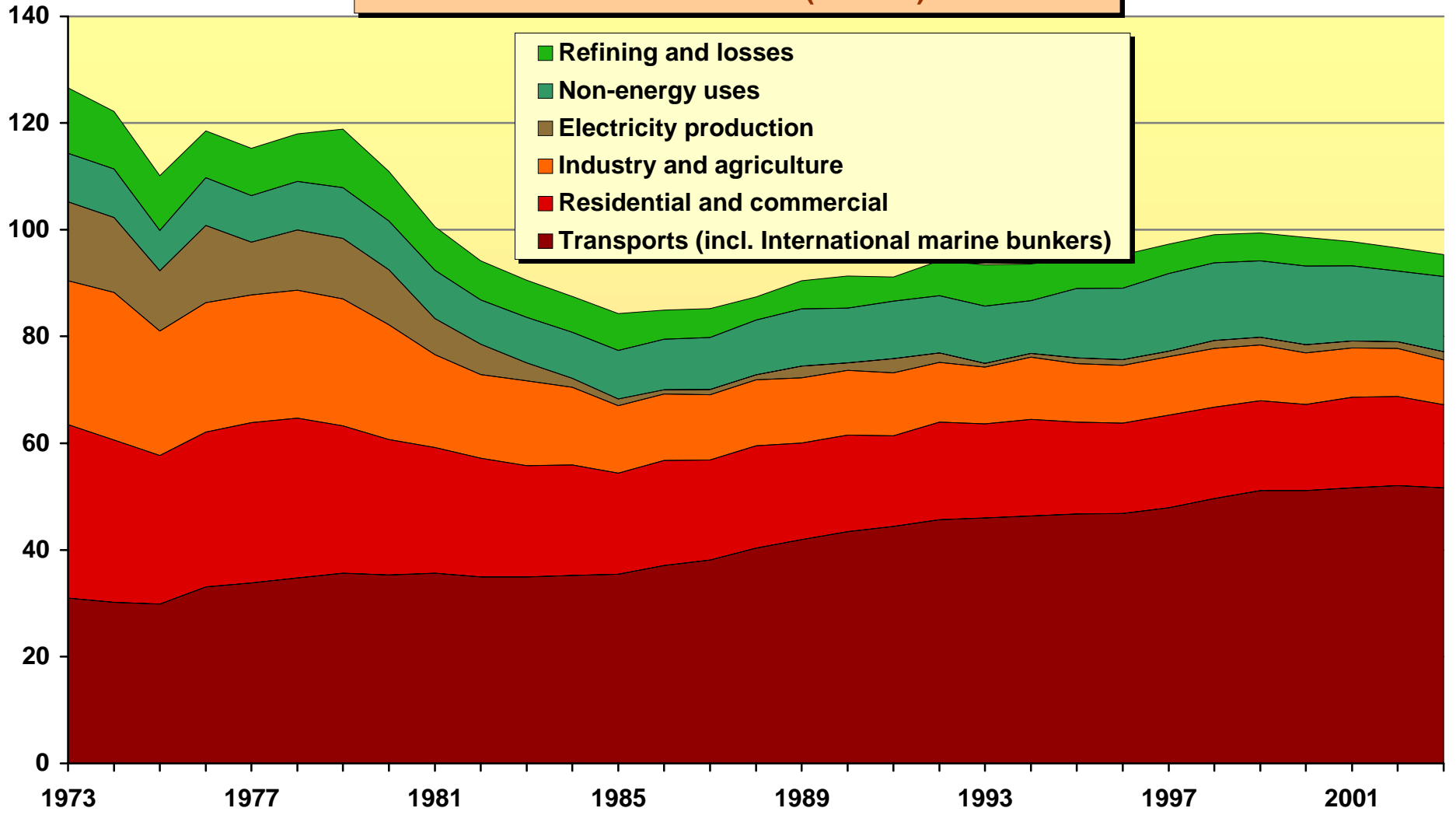
Source: IAEA PRIS

Electricity Consumption per Capita in the World in MWh/cap, 1980-2002



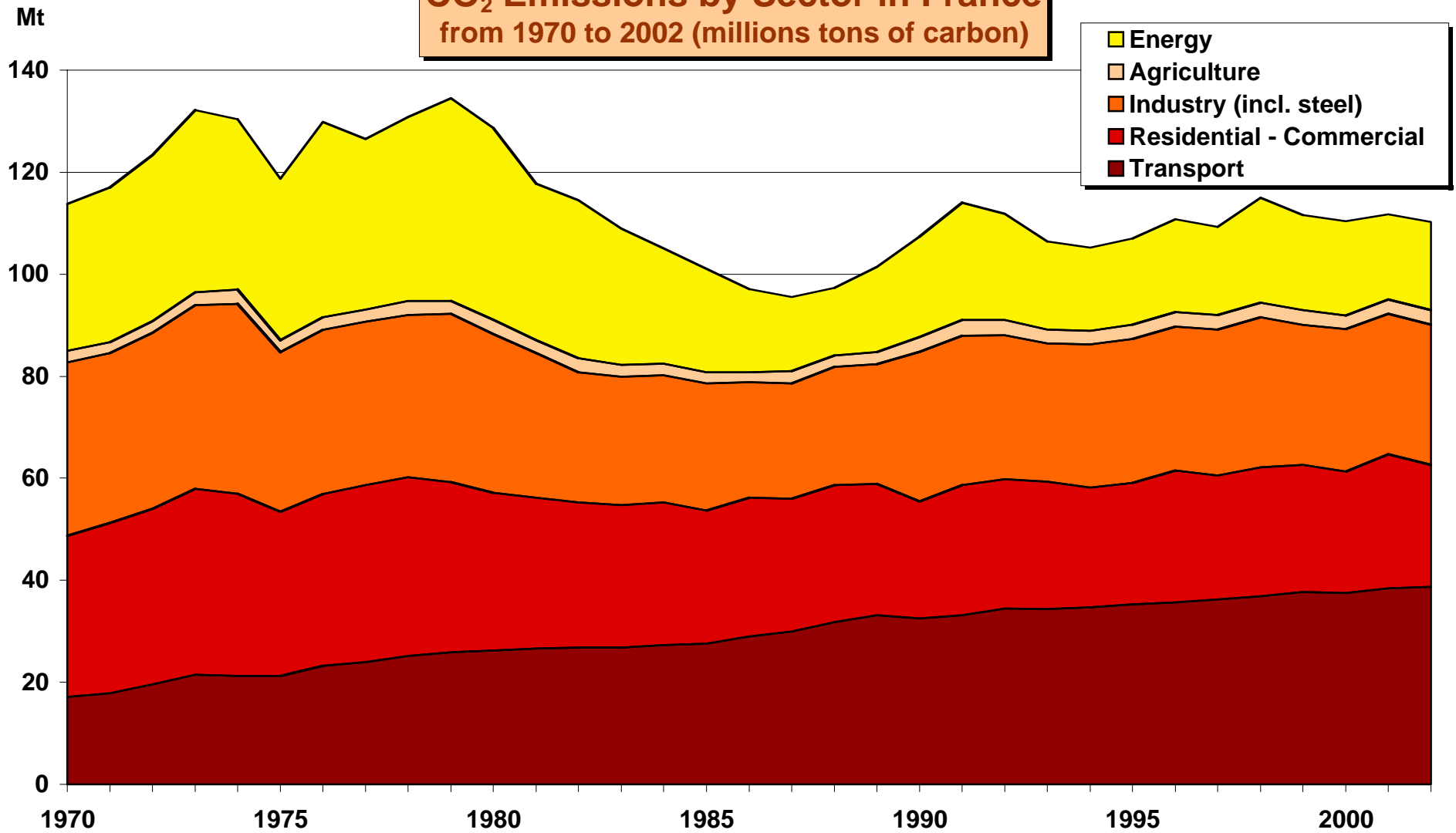
Source: DOE Energy Information Administration, 2003

Final Oil Consumption by Sector in France from 1973 to 2003 (in Mtoe)



Source: Observatoire de l'Énergie, 1992 ; DGEMP, 1998-2004

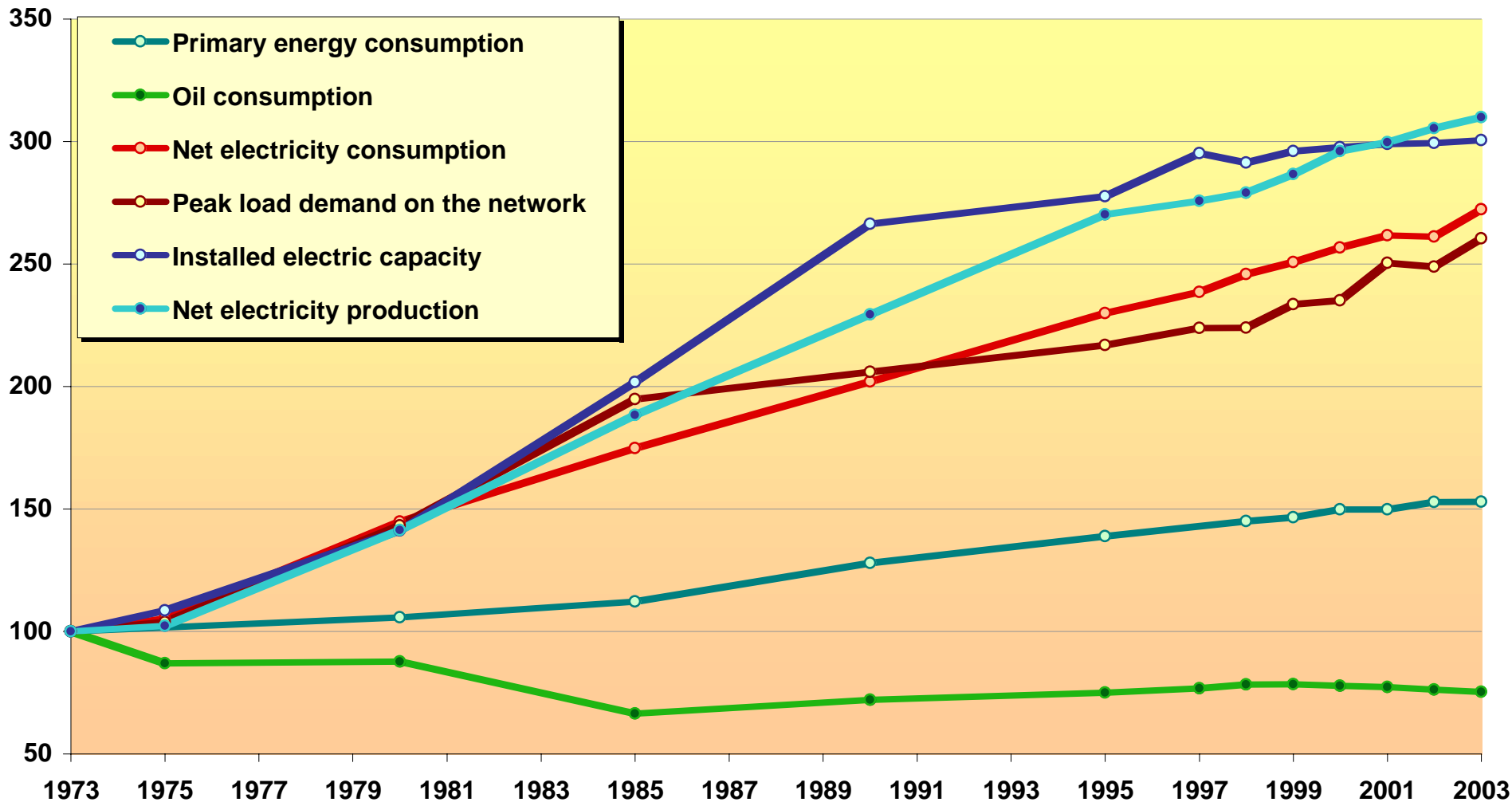
CO₂ Emissions by Sector in France from 1970 to 2002 (millions tons of carbon)



Source: Observatoire de l'Énergie, DGEMP, 2001; MIES 2004

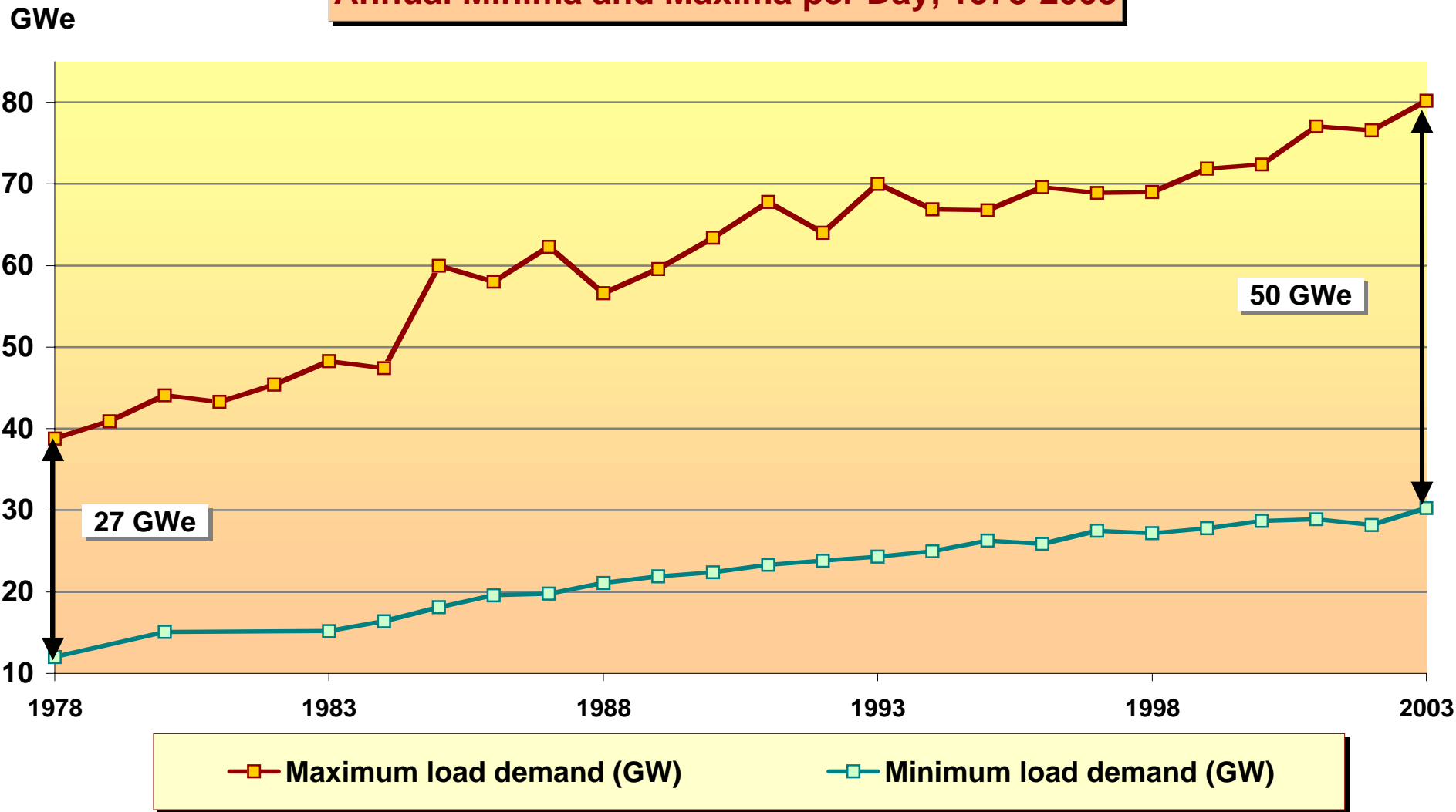
Index 100
in 1973

Evolution of Energy and Electricity Parameters in France 1973 - 2003 (index 100 in 1973)



Source: DGEMP 2004 ; RTE 2004

Load Demand on the French Electric Network, Annual Minima and Maxima per Day, 1978-2003



Source: EDF (1991) ; RTE (2004) - Technical results of operation 1990, 2003

Public Perception of Nuclear Power in France

Baromètre IRSN, November 2002

- 63% of the French declare that reduction of number of nuclear power plants in Europe is a good thing;
- 61% do not wish that nuclear power is being used in the future;
- 57% think that nuclear installations will be targeted by terrorists;
- 29% think that the risk of nuclear facilities are low.

The French, EDF and Public Service

SOFRES on behalf of EDF, June-July 2001

- 69% of 17 million polled EDF customers estimate that EDF's public service mission "to protect the environment, increase air quality and fight climate change" is number one priority.
- 85% estimate that for the future "the development of new renewable energy technologies (hydro, wind, solar, biomass)" is first priority.

Poll on Public Perception of Wind Energy in France

Demoscopie for ADEME, January 2002

- 95% perceive wind energy as clean energy and without generating waste;
- 77% consider wind energy economic and cheap;
- 95% are in favour of the development of wind power;
(% even higher amongst populations in the neighbourhood of wind farms).