

**Inter-Parliamentary Meeting on Renewable Energy and
Energy Efficiency at the
European Sustainable Energy Week 2008**

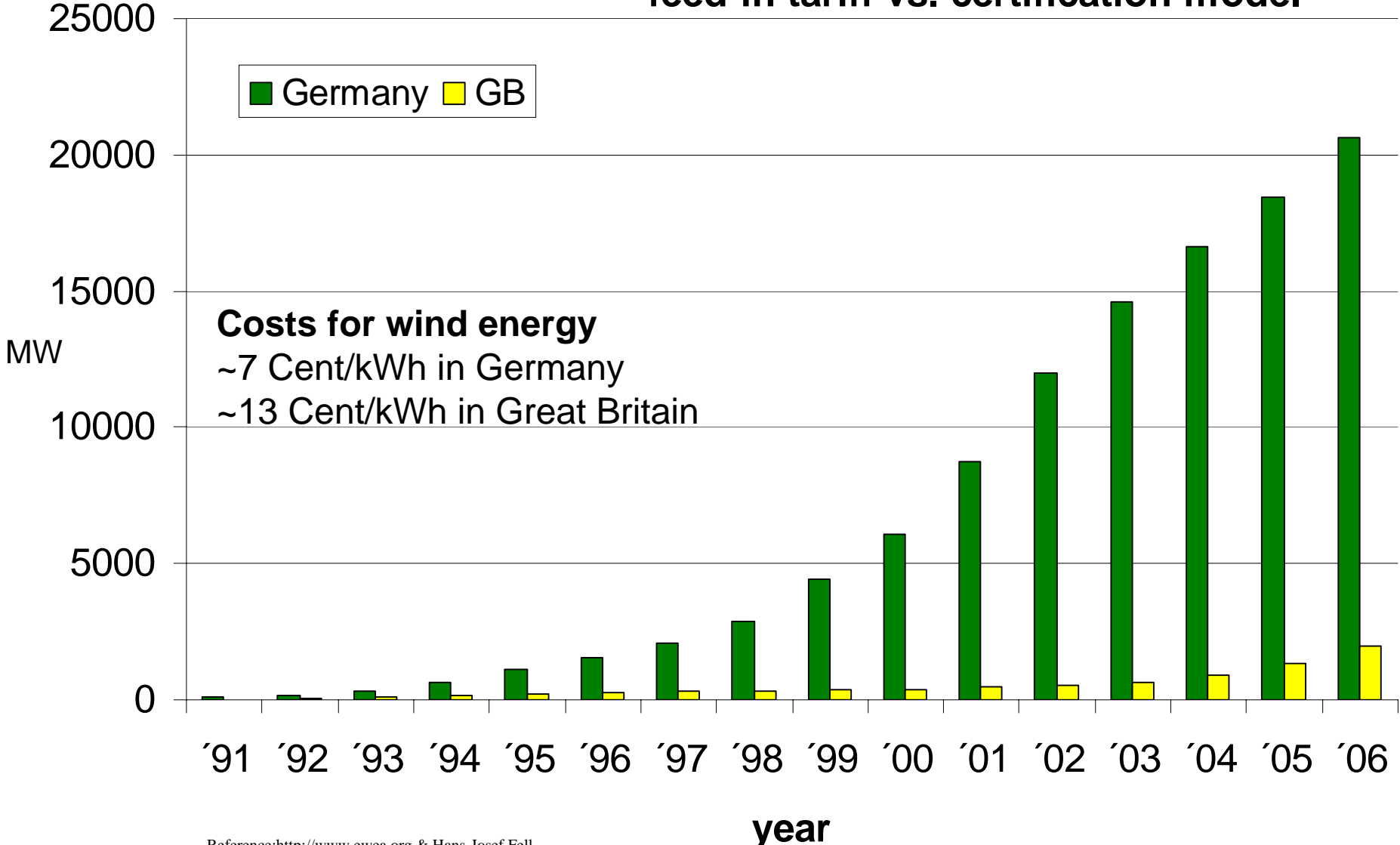
Hans-Josef Fell (MP)

Spokesman for Energy and Technology
Green Group in the Bundestag

Wind power – Increase & Costs

Germany - Great Britain

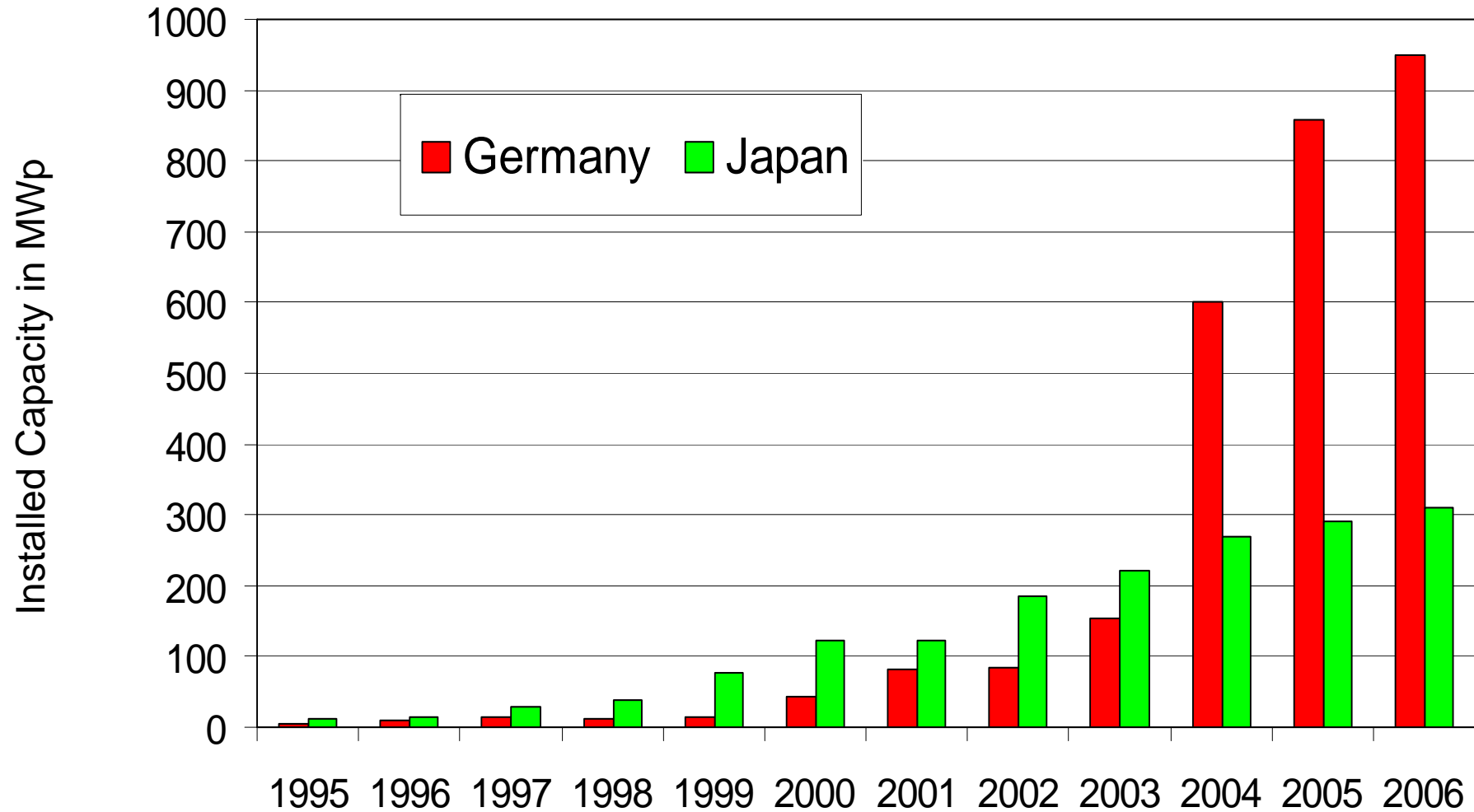
feed-in tariff vs. certification model



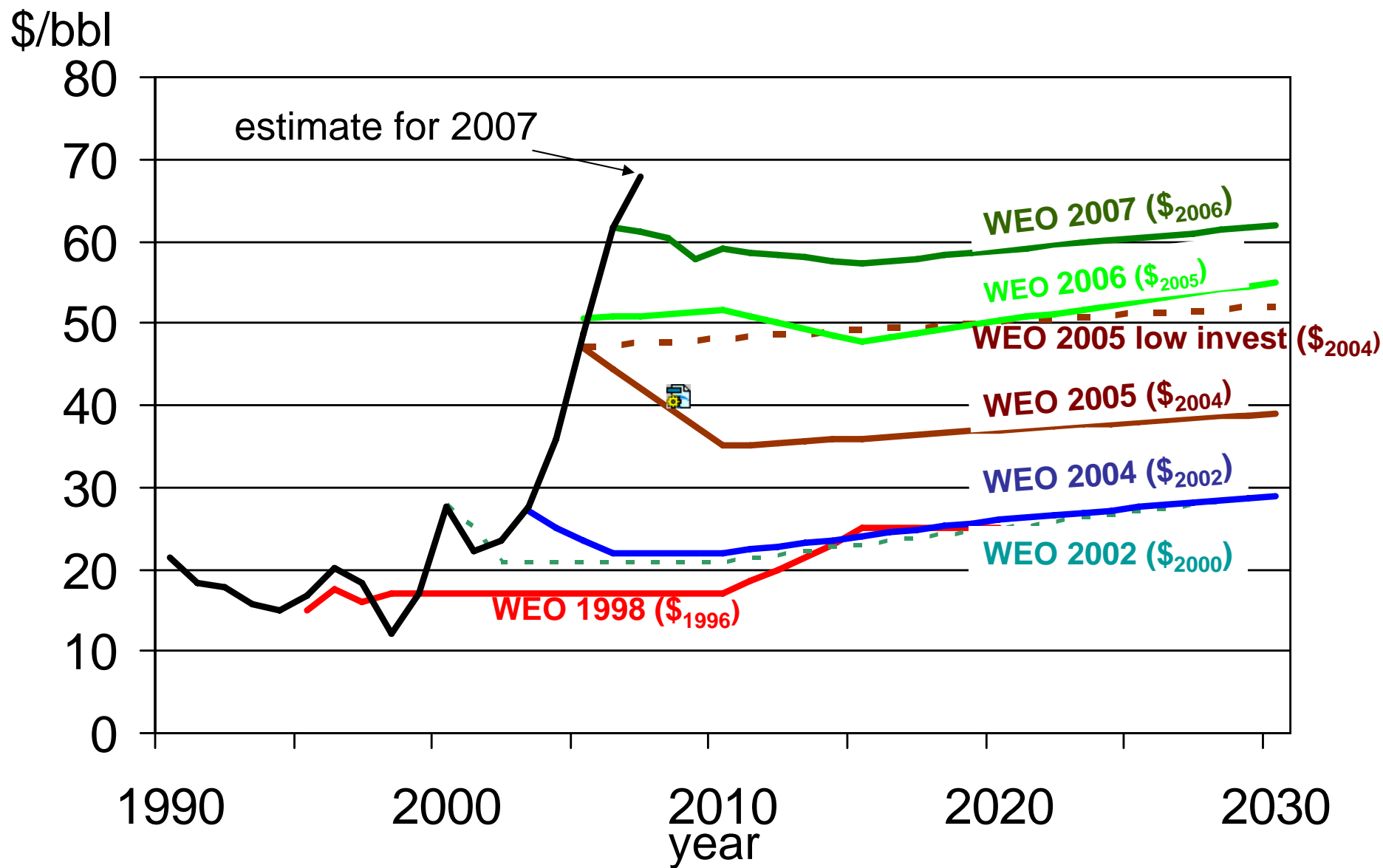
Reference:<http://www.ewea.org> & Hans-Josef Fell

increase of photovoltaics

Germany - Japan

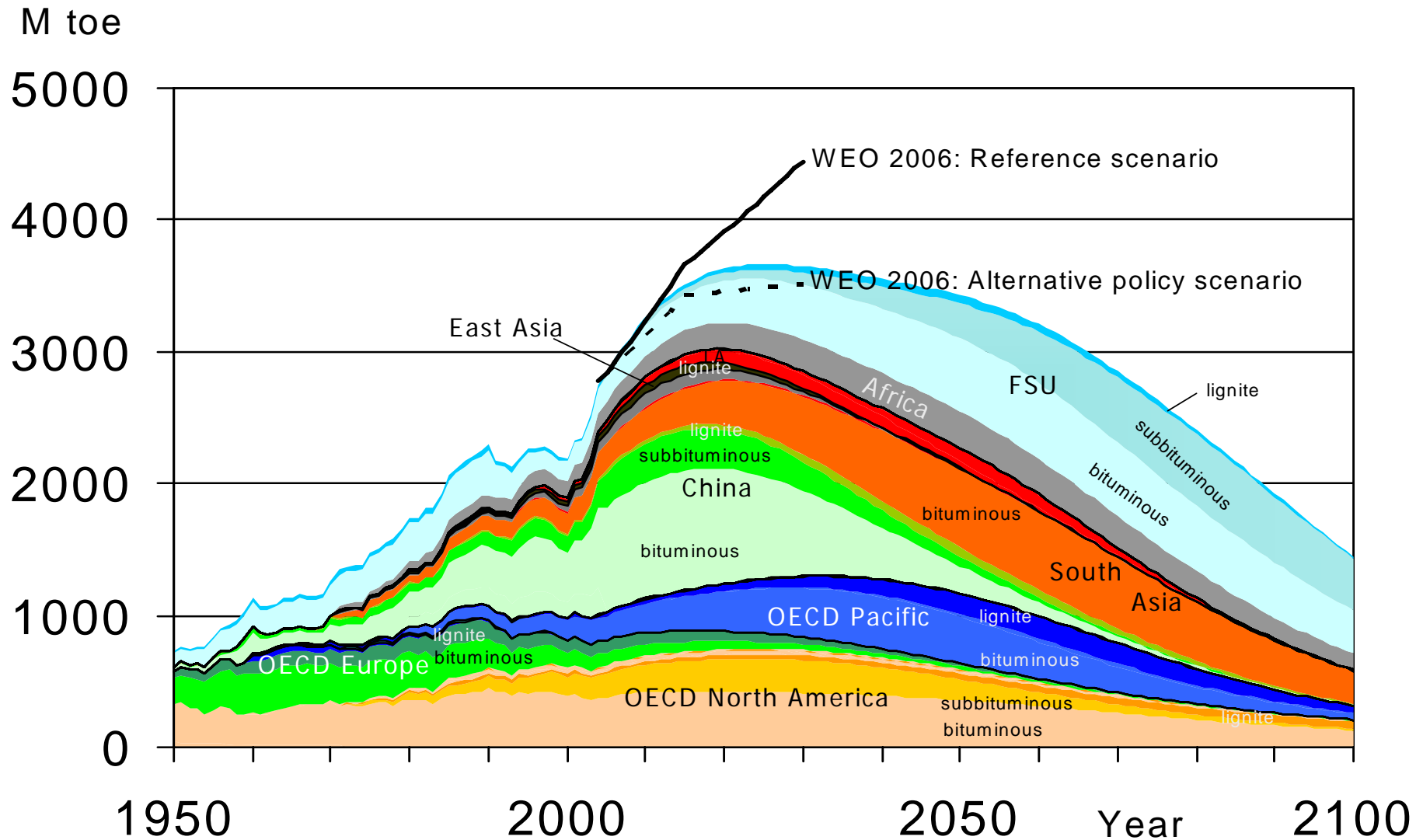


IEA Oil Price Prognosis



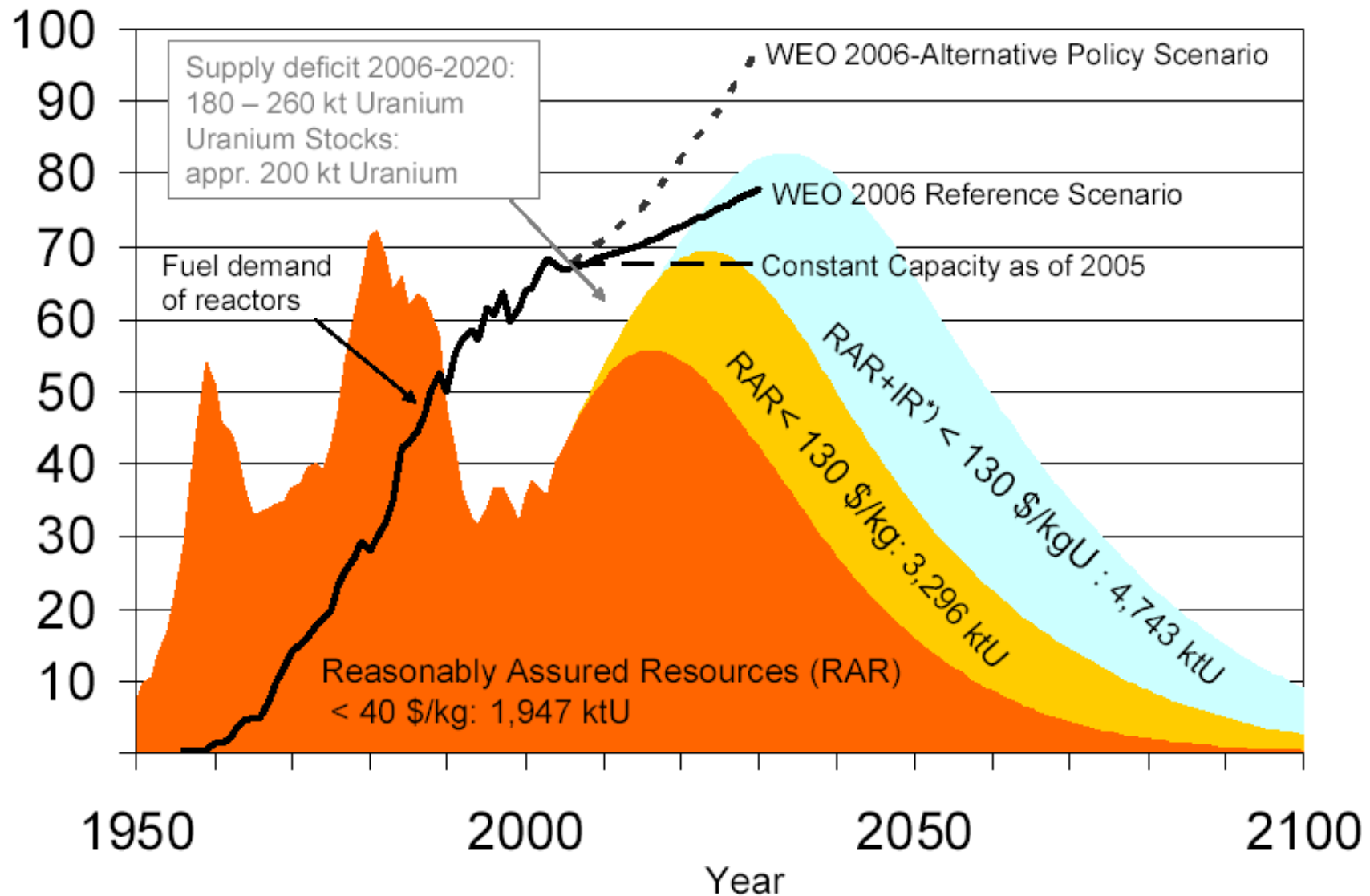
Global coal production: Peak 2030

Worldwide possible coal production



Uranium demand according to IEA scenarios and possible supply from known resources

kt Uranium



*) IR = Inferred Resources

Climate problems can be solved
only by two strategies:

1. Stop greenhouse gas emission

(not only to reduce the emission)

- promote zero emission technologies
- completely canceling the use of fossil and nuclear energies

2. Taking out carbon from atmosphere

- convert plants to humus soil
- reforesting big areas

Climate-protection policies

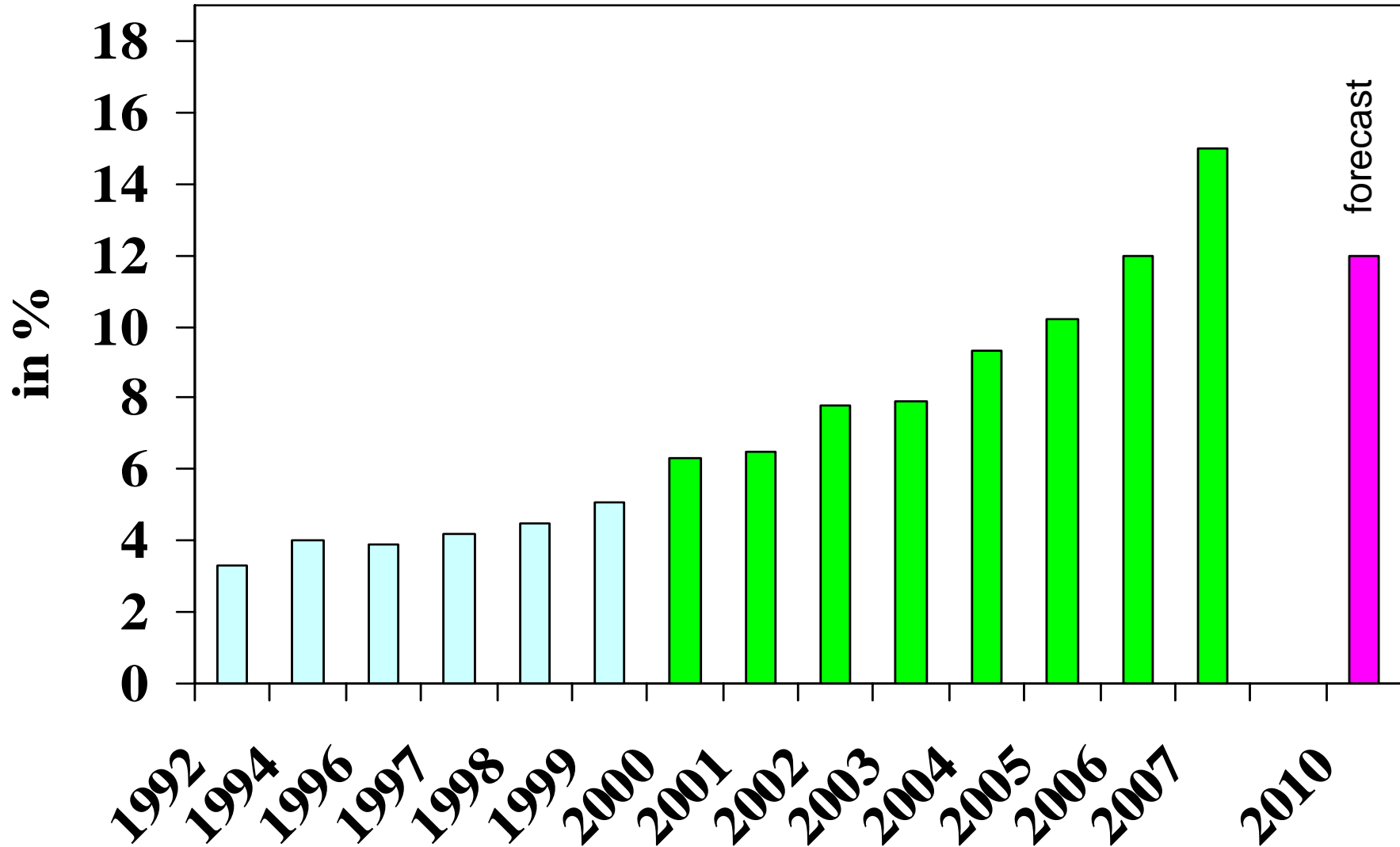
Promoting renewable energy and chemistry:

- Laws for feed-in tariffs
- tax exemption for renewables
- canceling subsidies for fossil and nuclear
- research offensive for renewables
- reduce the approval obstacles

No: quota or certificate systems

both are unable to promote the renewables fast

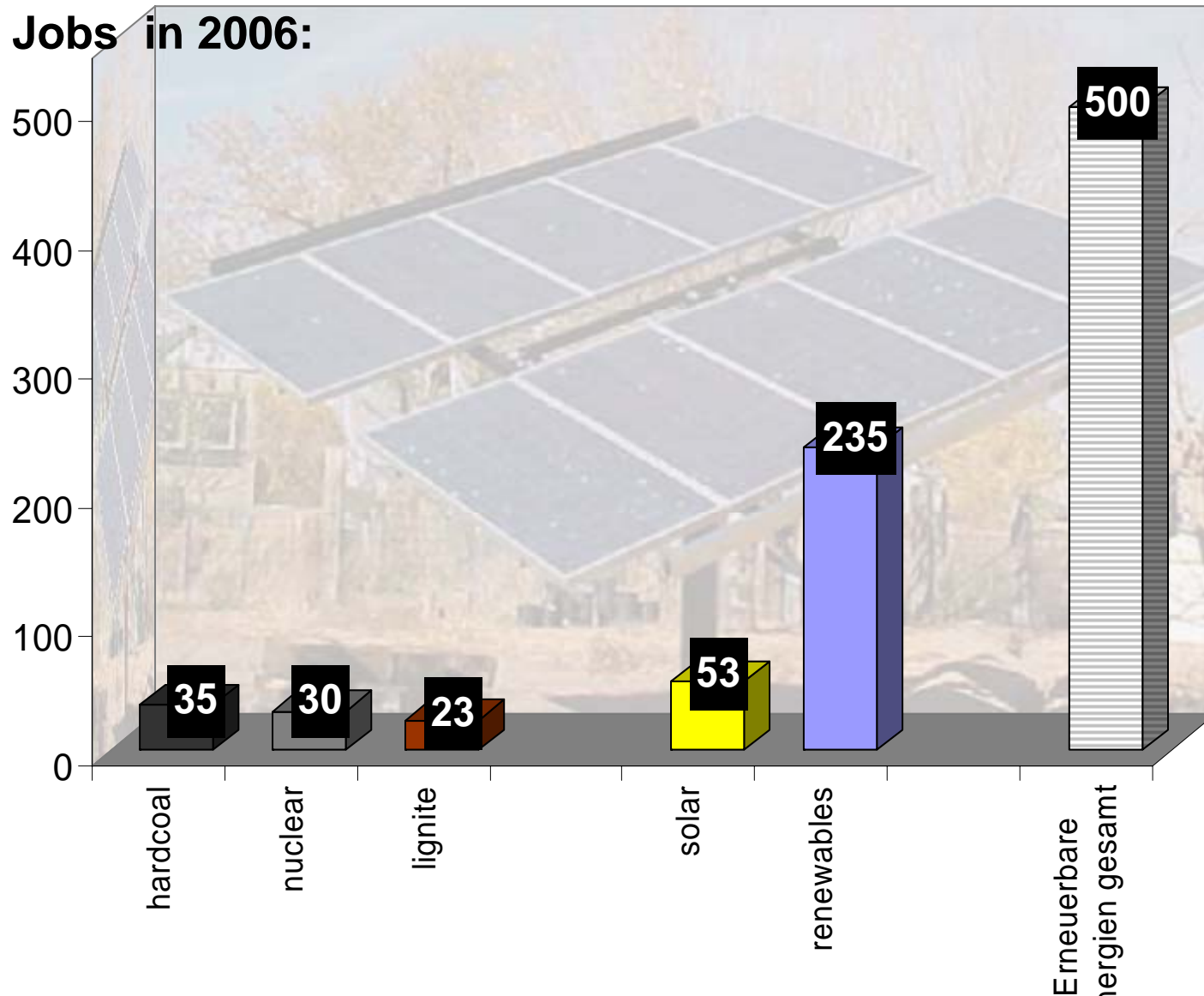
Share of Renewables in the German Gross Electricity Consumption



Job engine renewable energies

Prognosis 2020

1000 Jobs in 2006:



Key components of a successful feed-in law

- Privileged grid access
 - Attractive feed-in tariff for each RE technology
(must be high enough for cost-effective RE power production)
 - Feed-in cost distributed via electricity price
 - No cap on total amount of generated RE power
 - Guaranteed feed-in period
- Also important: No obstacles through approval procedures in practice

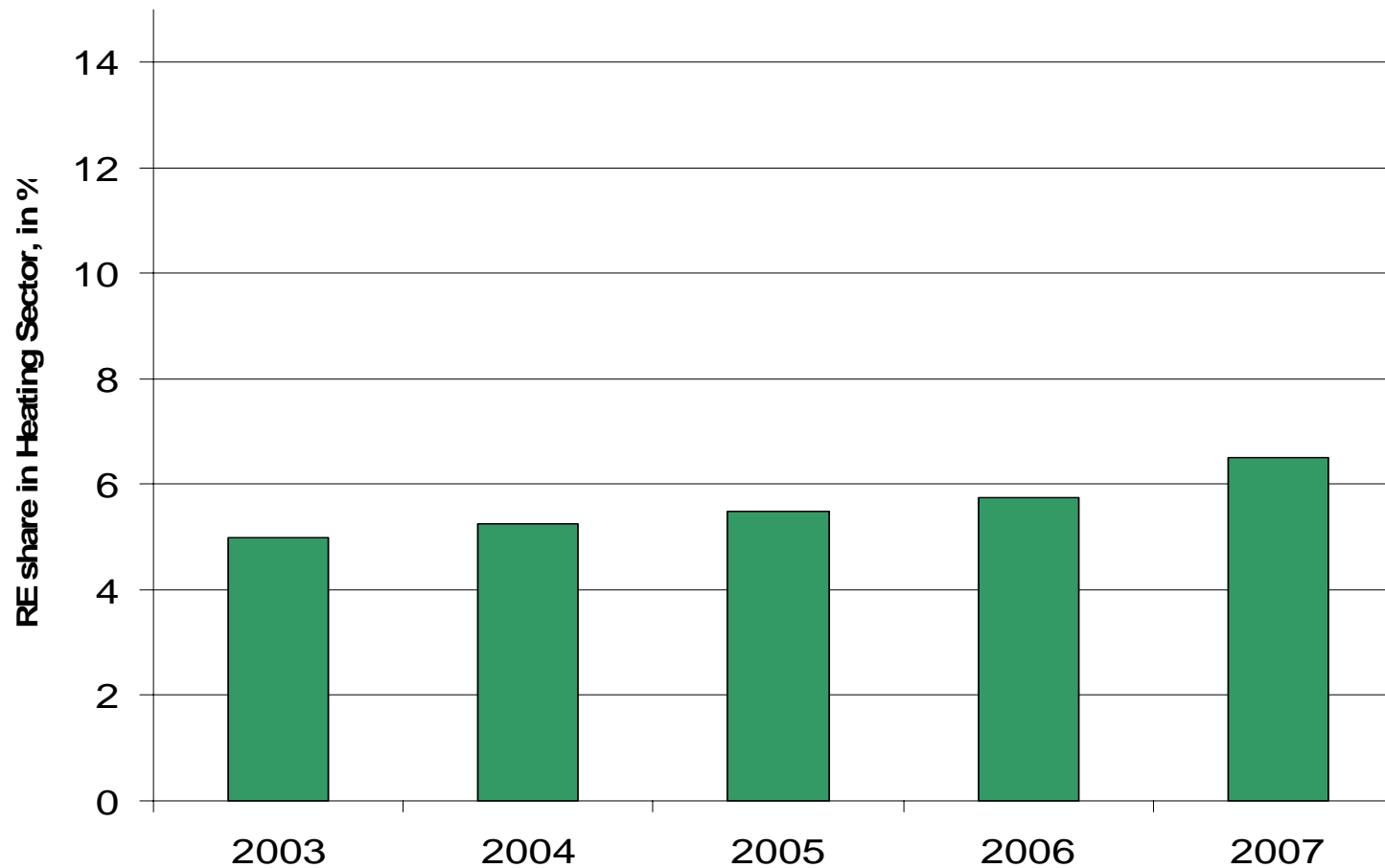
German Government Proposal for Climate Protection and Energy, Dec 2007

- Amendment Cogeneration Law
- Amendment of Renewable Energy Act (EEG)
- Low-carbon power plant technology
- Regulation for biogas
- Energy Saving Regulation (EnEV)
- Low-carbon Refurbishment Program
- RE Heating Bill
- Low-carbon strategy for cars
- Increase of bio fuel blending
- Energy R&D (RE and CCS)
- Electric cars

German Government Proposal for EEG Amendment

- PV: drastic decrease of feed-in tariff to 9.2% in 2009
- Wind: offshore privileged over onshore
- Biomass Sustainability Regulation insufficient
- Biogas feed-in still regulated by EEG – no proper Biogas feed-in tariff

Effect of the State Aid Program for RE Heating



Nov 11th 2005

Coalition agreement contains introduction of a Heating Bill

Dec 05th 2007

Government Proposal for Heating Bill

July 2008

Introduction of Heating Bill???

German Green Group: key components of a successful RE Heating Law

- Obligatory RE percentage for new developments and existing buildings
 - Obligatory RE percentage continuously increasing
 - Inclusion of every RE type
 - Promotion of innovations through fund of compensation fees
-
- Not met by German Government Proposal
 - Almost met by EU Commission Directive Proposal

Transport Sector

- German Government obstructs EU actions, e.g. 120g/km CO₂ limit
- No regulations to promote electric cars
- Insufficient regulations for sustainability in bio fuel sector

**Many thanks for your
Attention!**

<http://www.hans-josef-fell.de>