

# REALISING THE POTENTIAL OF TECHNOLOGY

**Presentation on behalf of the EU to the Convention dialogue  
Wednesday 16 May 2007**

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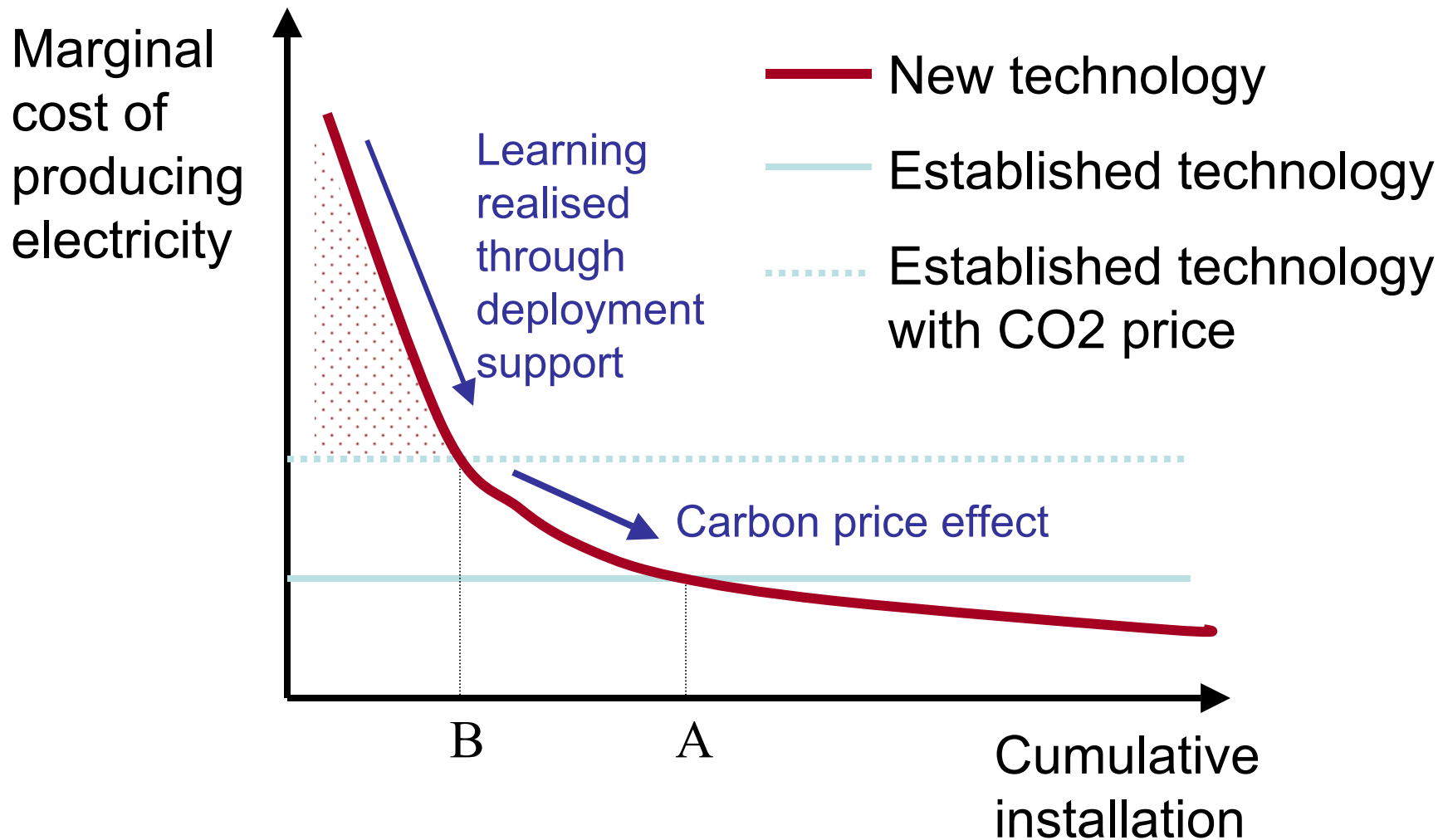
# Technologies are central to tackling climate change and ensuring development

- Respond to message of IPCC
- Meet objective of < 2 degrees Celsius
- Eradication of poverty and sustained economic growth
- Decarbonise growth and development
- Support adaptation
- Enable co-benefits

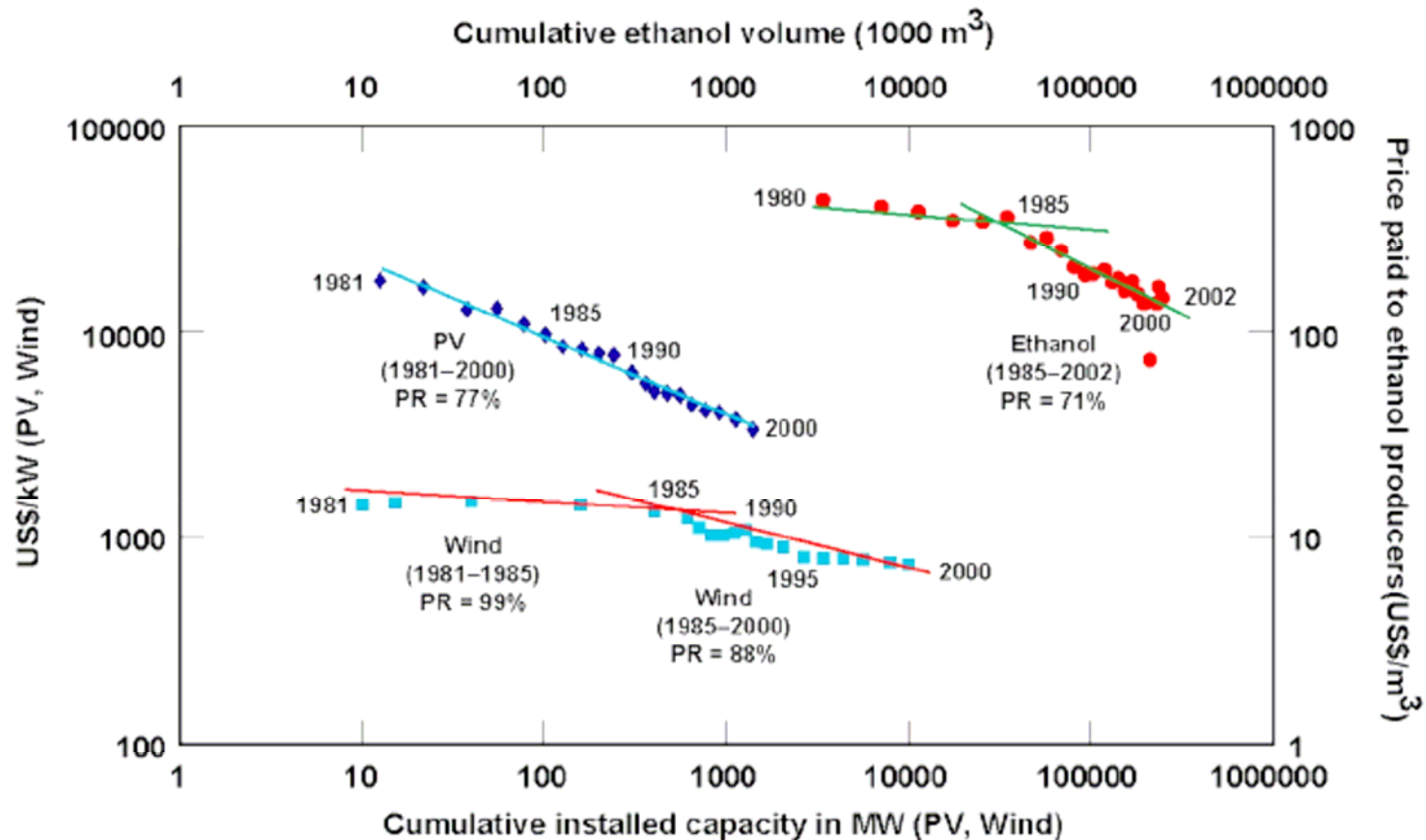
# Challenges for technology policy

- Accelerate technology deployment and development
- Change patterns of investment
- Governments must create enabling environments:
  - Clear vision and targets
  - Policy and regulatory frameworks
  - Public-private partnerships
- Mobilise private sector investment
- Enable all countries to benefit from low carbon emitting technologies – assist developing countries

# Creating the necessary incentives : interaction between policy instruments



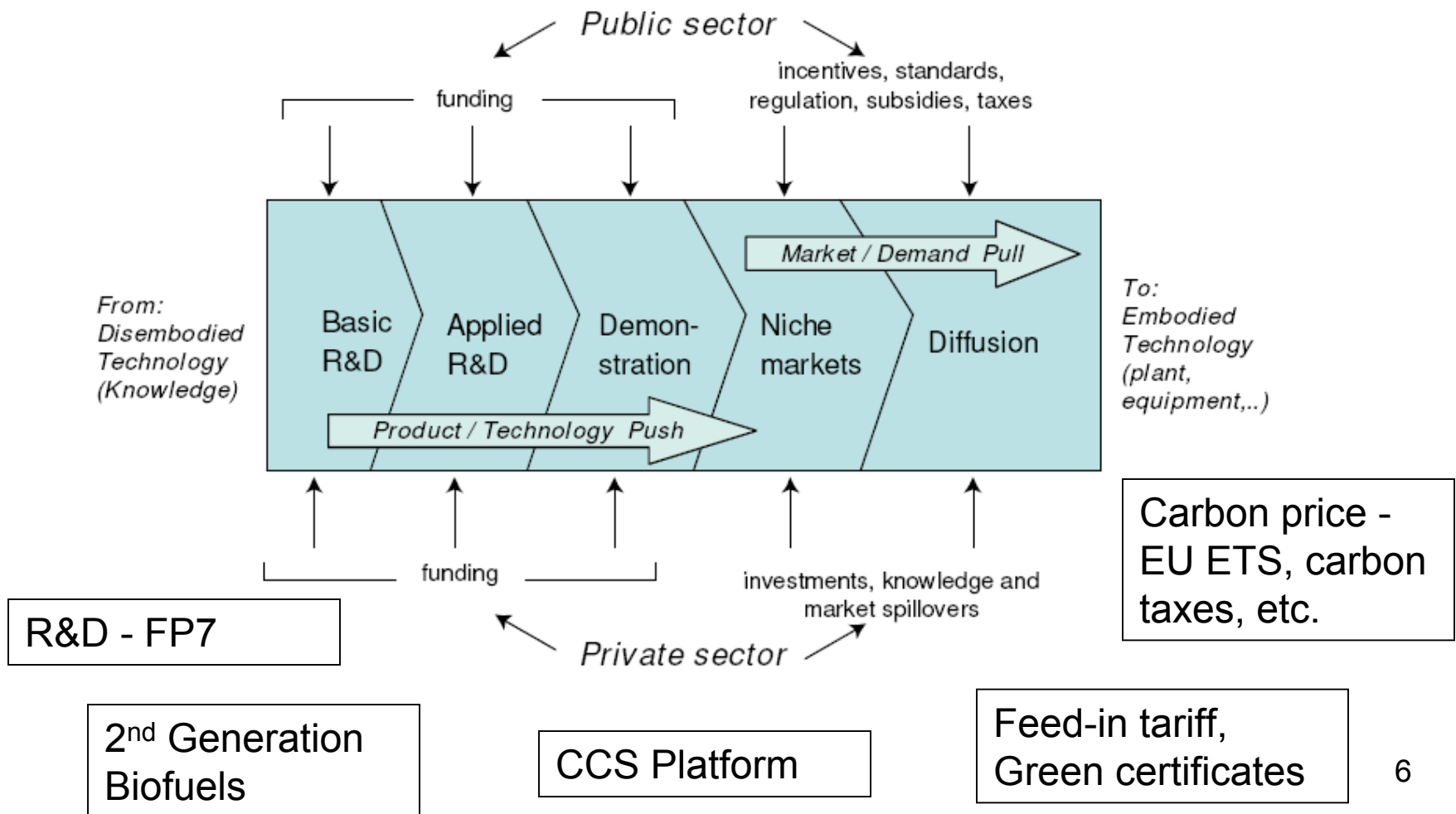
# Learning curves in practice : Ethanol, PV and Wind



Source: IPCC, 2007

# What the EU is already doing :

## Examples of range of push and pull policies



# Act at all levels

- Enabling environment at national level
- Realise synergies at regional level
- Mainstream throughout international processes
- International technology cooperation
- Facilitate South-South technology cooperation
- Recognising national conditions, needs and priorities

# Build on what we have

- National goals, plans and prioritised needs
- UNFCCC EGTT work programmes
- Clean development mechanism and Joint implementation
- Other organisations UN, IEA etc
- Technology partnerships and initiatives
- IFIs scaling-up public and private investment
- Innovative financing mechanisms e.g. GEEREF
- **Make better use of existing initiatives and funds**

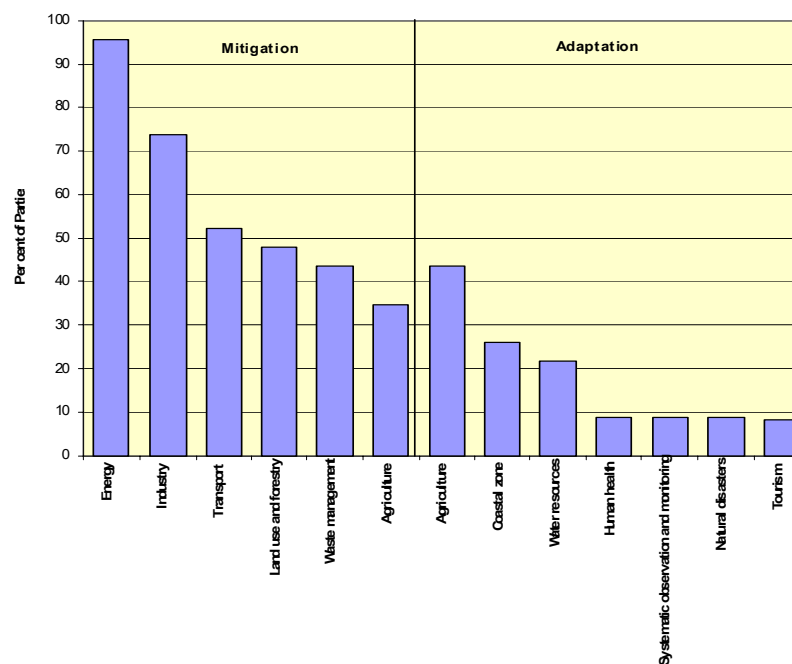


# TNA report : Mitigation and adaptation targeted sectors

**Table 3. Targeted areas and sectors covered by the TNA reports**

Party	Mitigation						Adaptation					
	Energy	Transport	Land use and forestry	Agriculture	Waste management	Industry	Coastal zone	Agriculture	Water resources	Human health infrastructure	Systematic observation and monitoring	Tourism
Albania	•	•	•	•	•	•	•	•	•	•	•	•
Azerbaijan	•	•	•	•	•	•	•	•	•	•	•	•
Bolivia	•	•	•	•	•	•	•	•	•	•	•	•
Burundi	•	•	•	•	•	•	•	•	•	•	•	•
Chile	•	•	•	•	•	•	•	•	•	•	•	•
China	•	•	•	•	•	•	•	•	•	•	•	•
Congo DR	•	•	•	•	•	•	•	•	•	•	•	•
Dominican Republic	•	•	•	•	•	•	•	•	•	•	•	•
Ecuador	•	•	•	•	•	•	•	•	•	•	•	•
Georgia	•	•	•	•	•	•	•	•	•	•	•	•
Ghana	•	•	•	•	•	•	•	•	•	•	•	•
Haiti	•	•	•	•	•	•	•	•	•	•	•	•
Indonesia	•	•	•	•	•	•	•	•	•	•	•	•
Kenya	•	•	•	•	•	•	•	•	•	•	•	•
Lesotho	•	•	•	•	•	•	•	•	•	•	•	•
Malawi	•	•	•	•	•	•	•	•	•	•	•	•
Mauritius	•	•	•	•	•	•	•	•	•	•	•	•
Moldova	•	•	•	•	•	•	•	•	•	•	•	•
Niue	•	•	•	•	•	•	•	•	•	•	•	•
Paraguay	•	•	•	•	•	•	•	•	•	•	•	•
Tajikistan	•	•	•	•	•	•	•	•	•	•	•	•
Viet Nam	•	•	•	•	•	•	•	•	•	•	•	•
Zimbabwe	•	•	•	•	•	•	•	•	•	•	•	•

**Figure 1. Key sectors addressed by TNA reports**



Source: UNFCCC

# Strengthen action in many areas

- Share knowledge and information
- Pool resources, risks and rewards
- Co-ordinate to achieve wider benefits
- Use and develop specific agreements for certain technologies
- Monitor and evaluate performance vs goals

# Explore new and innovative approaches

- Long-term climate change policy
- Programmatic CDM Approach to Technology/Sectors?
- Technology performance standards (energy efficiency)
- Benchmarking key sectors
- How to build national goals
- Public procurement agreements
- Research and development cooperation
- And others ...

# Final thoughts

- UNFCCC must catalyse action and provide framework
- Range of push and pull: engage the private and public sector, directing investment
- Appropriate and effective policies and cooperation: national, regional and international levels
- Differentiated on national circumstances and stage of technology development
- Need now to build on what we do and learn from lessons
- We are all in this together - let's build on this dialogue!