



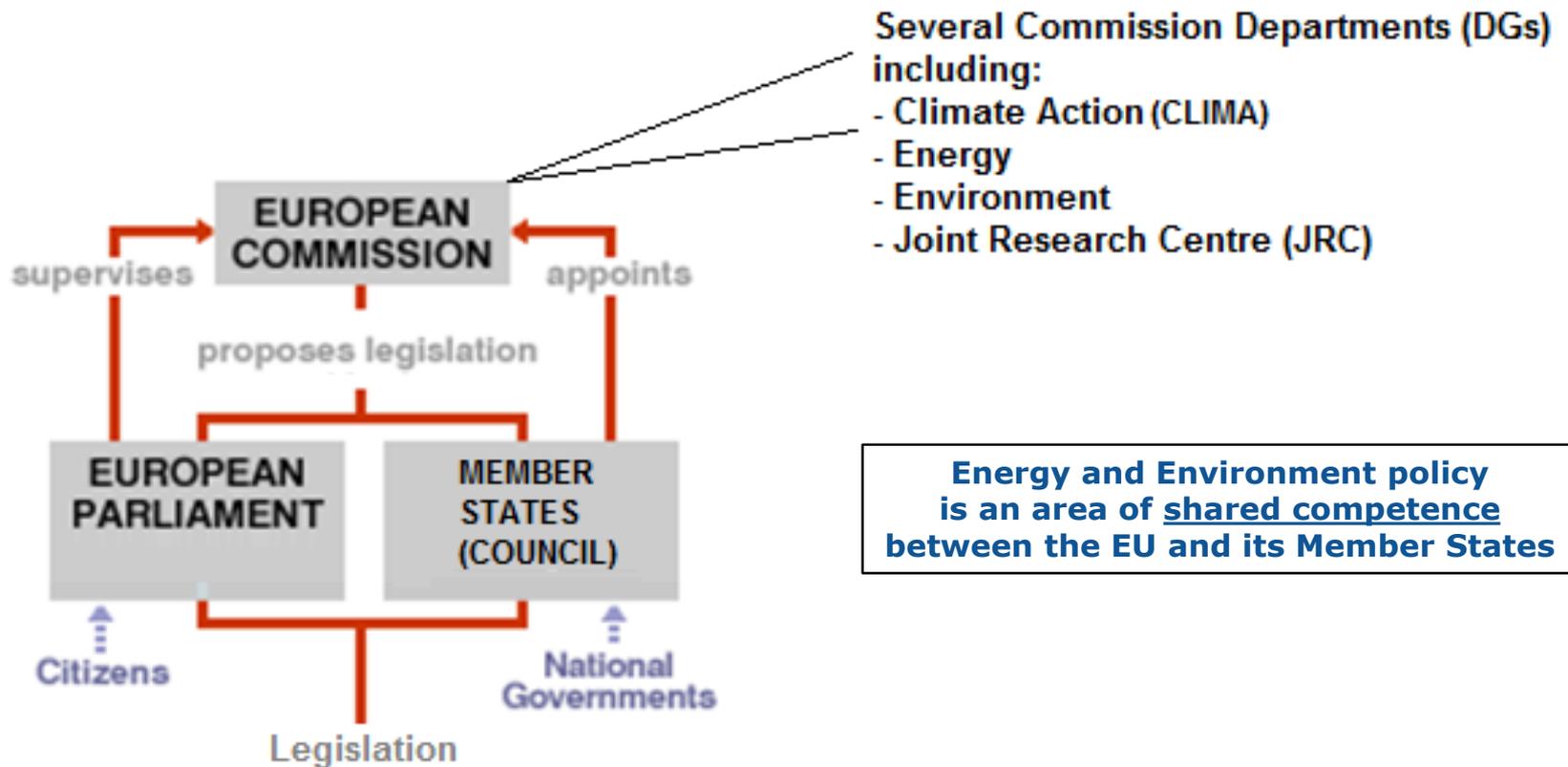
EU INDC & Mid-century strategies

Miles PERRY, European Commission, DG CLIMA

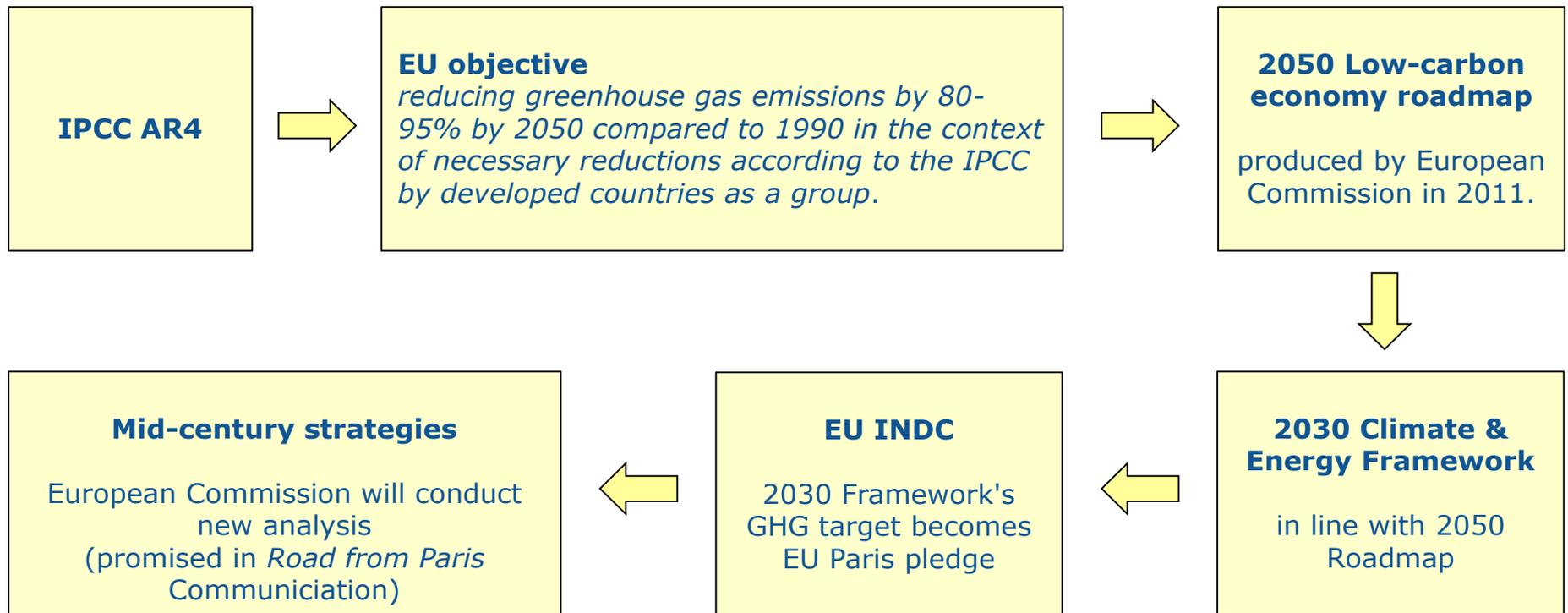
Snowmass Workshop 2016

**Session 6: Transformation Pathways in Models –
from NDCs through Midcentury**

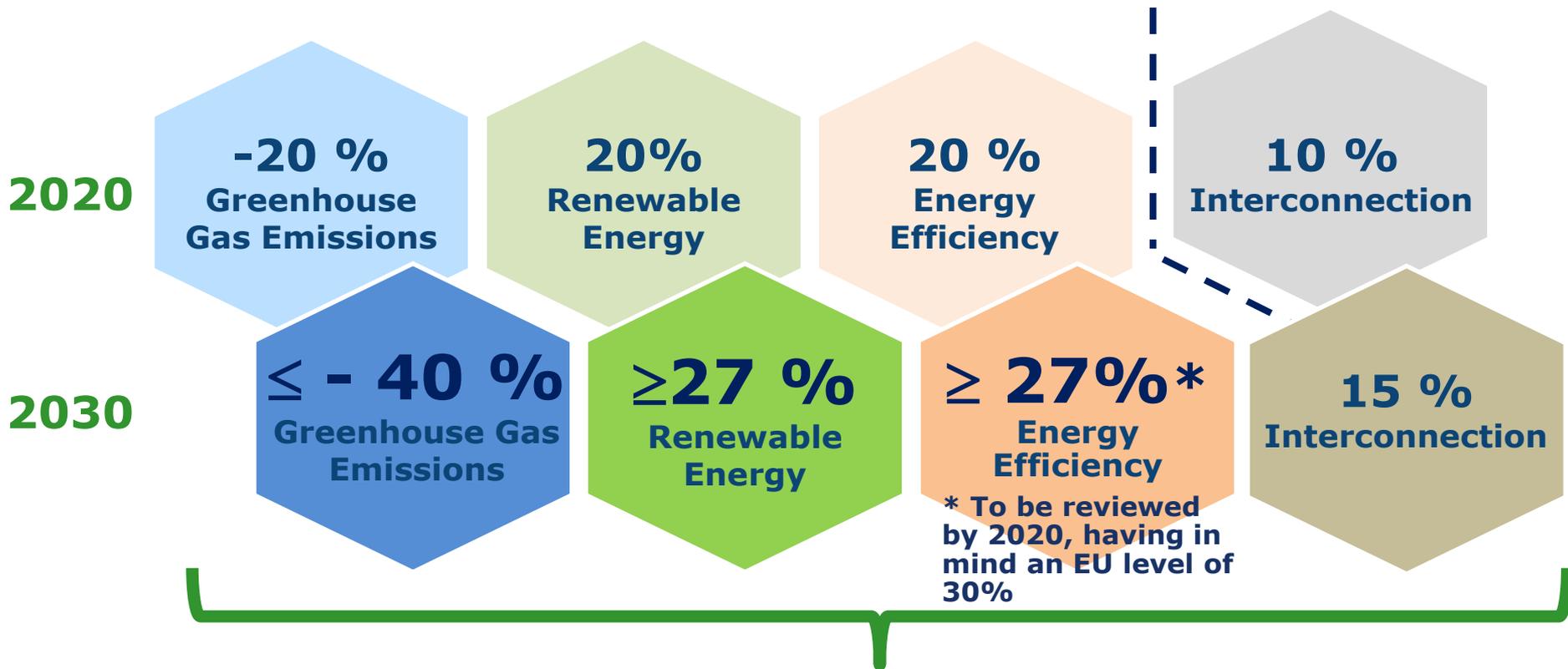
The European Union (EU)



Developments of Mid-century Thinking in EU policy

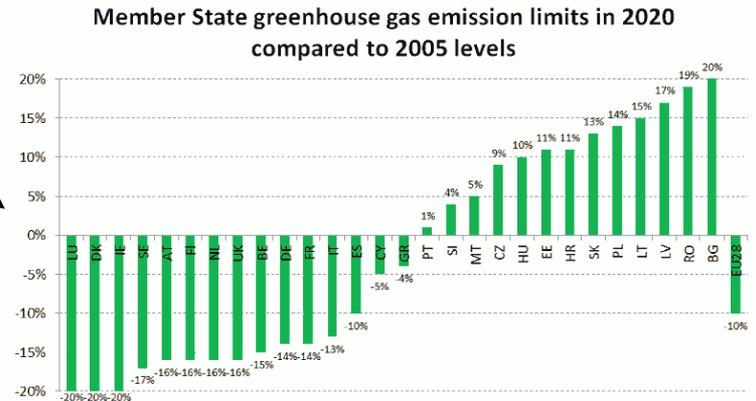
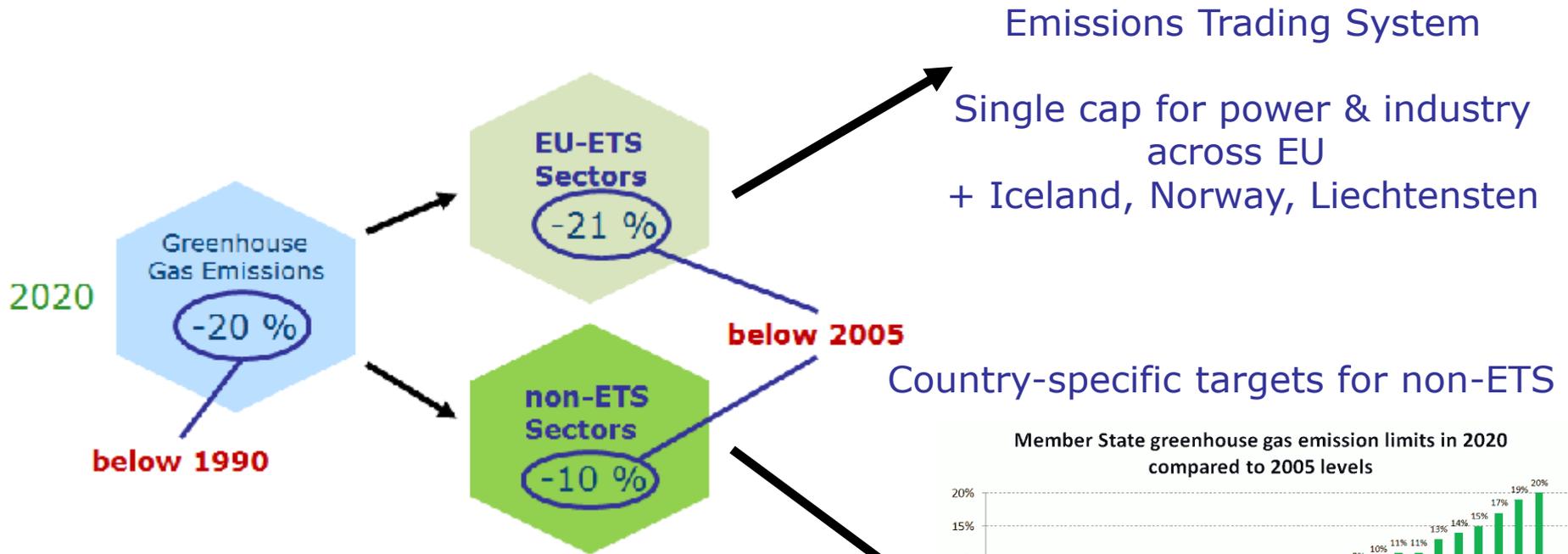


2030 Framework for Climate and Energy



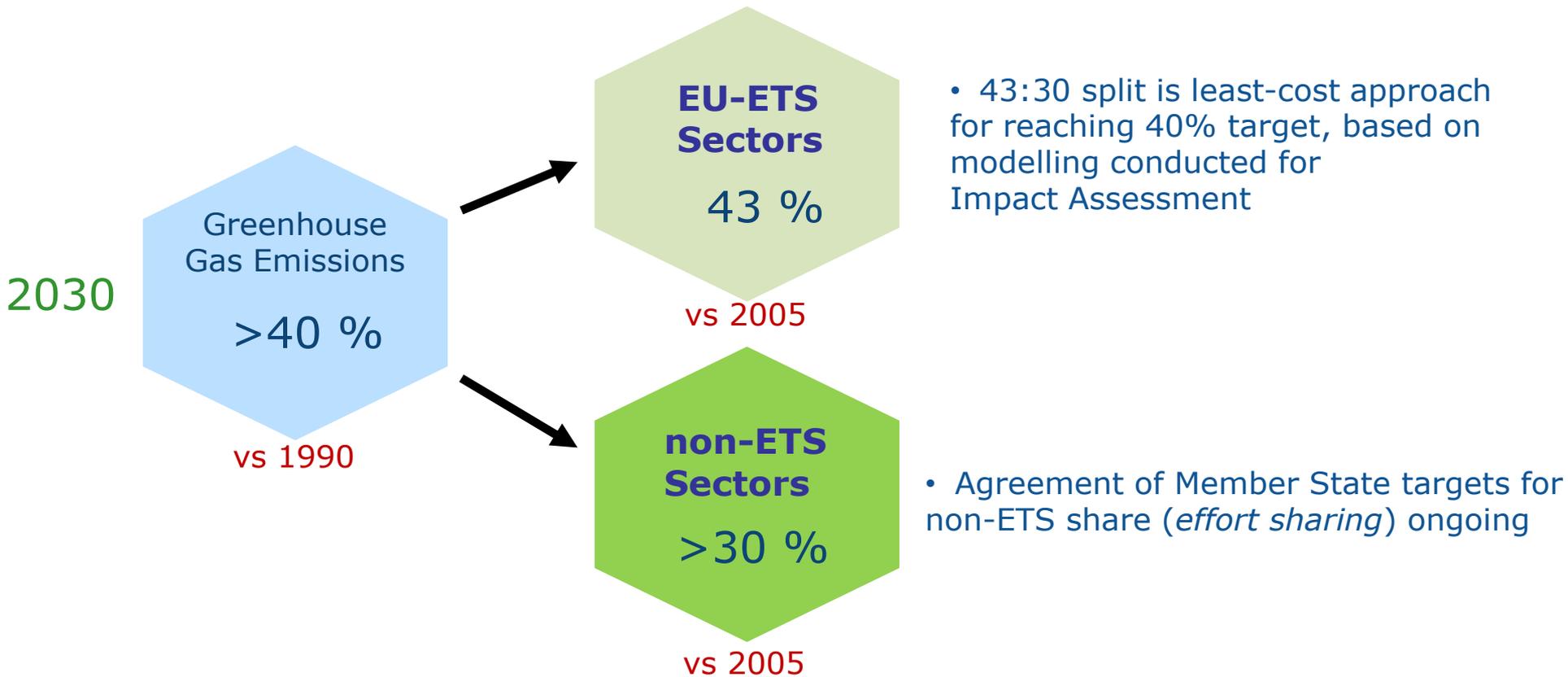
New governance system + indicators

2020 Climate & Energy Package



based on GDP/capita

2030 Climate & Energy Framework





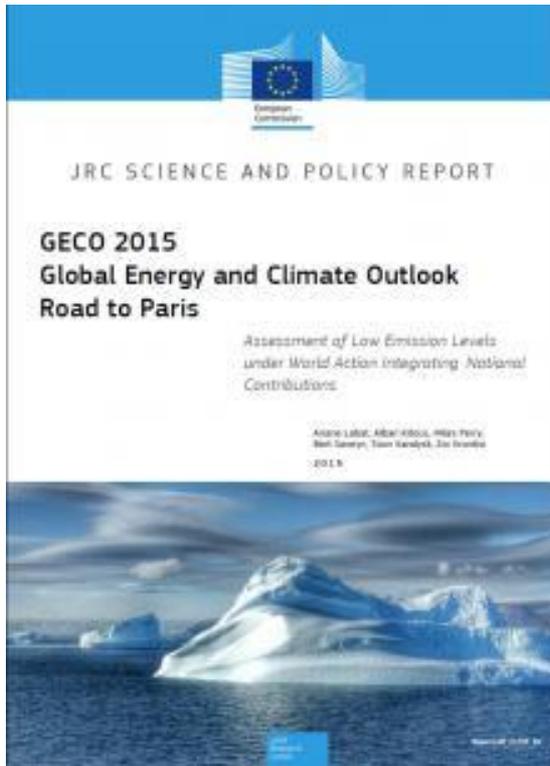
Focus Areas for future European Commission Modelling Activities

- Build up capacity of modelling community in developing & emerging economies
- Analyse long-term, low-emission pathways:
 - Consistent with Paris aims ($<2^{\circ}\text{C}$, climate neutral this century)
 - Looking beyond 2050, in a policy-relevant way
 - Better modelling of agriculture-forest-bioenergy nexus

European Commission involvement in modelling

'Own use' research

Joint Research Centre (JRC)



DG CLIMA support contract

Climatic Change
DOI 10.1007/s10584-016-1700-7



LETTER

Contribution of the G20 economies to the global impact of the Paris agreement climate proposals

Michel den Elzen¹ · Annemiek Admiraal¹ ·
Mark Roelfsema¹ · Heleen van Soest¹ ·
Andries F. Hof^{1,2} · Nicklas Forsell³

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Abstract By 15 December 2015, 187 countries had submitted their Intended Nationally Determined Contributions (INDCs) summarising their climate actions after 2020 in the context

European Commission involvement in modelling

Building capacity & boosting collaboration

CLIMACAP-LAMP



Energy Economics

Volume 56, May 2016, Pages 495–498



Climate Mitigation in Latin America: Implications for Energy and Land Use: Preface to the Special Section on the findings of the CLIMACAP-LAMP project

B.C.C. van der Zwaan (Guest Editor), K.V. Calvin (Guest Editor), L.E. Clarke (Guest Editor)

MILES: US, EU, Brazil, India, Japan, China, Mexico, Indonesia

CD-links: US, EU, Brazil, India, Japan, China, Russia, Korea, Iran

Africa-LEDS: US, EU partners with partners in >8 African countries



European Commission involvement in modelling

Horizon 2020 Research funding

- EU's flagship research programme: nearly €80bn in 2014-2020
- At least 35% of expenditure should be climate-change related
- Calls usually open to participation from non-EU partners
- Projects with modelling element include:
 - CD-links
 - Green-Win
 - Ampere (FP7)