Climate Change and policy needs for research

DG Climate Action
Directorate A – International & Climate Strategy
European Commission

Climate Action

Content of presentation:

- *1. Current framework for Agriculture and Forestry emissions*
- *2. The 2030 Framework for Climate and Energy and LULUCF*
- *3. Policy needs for research*

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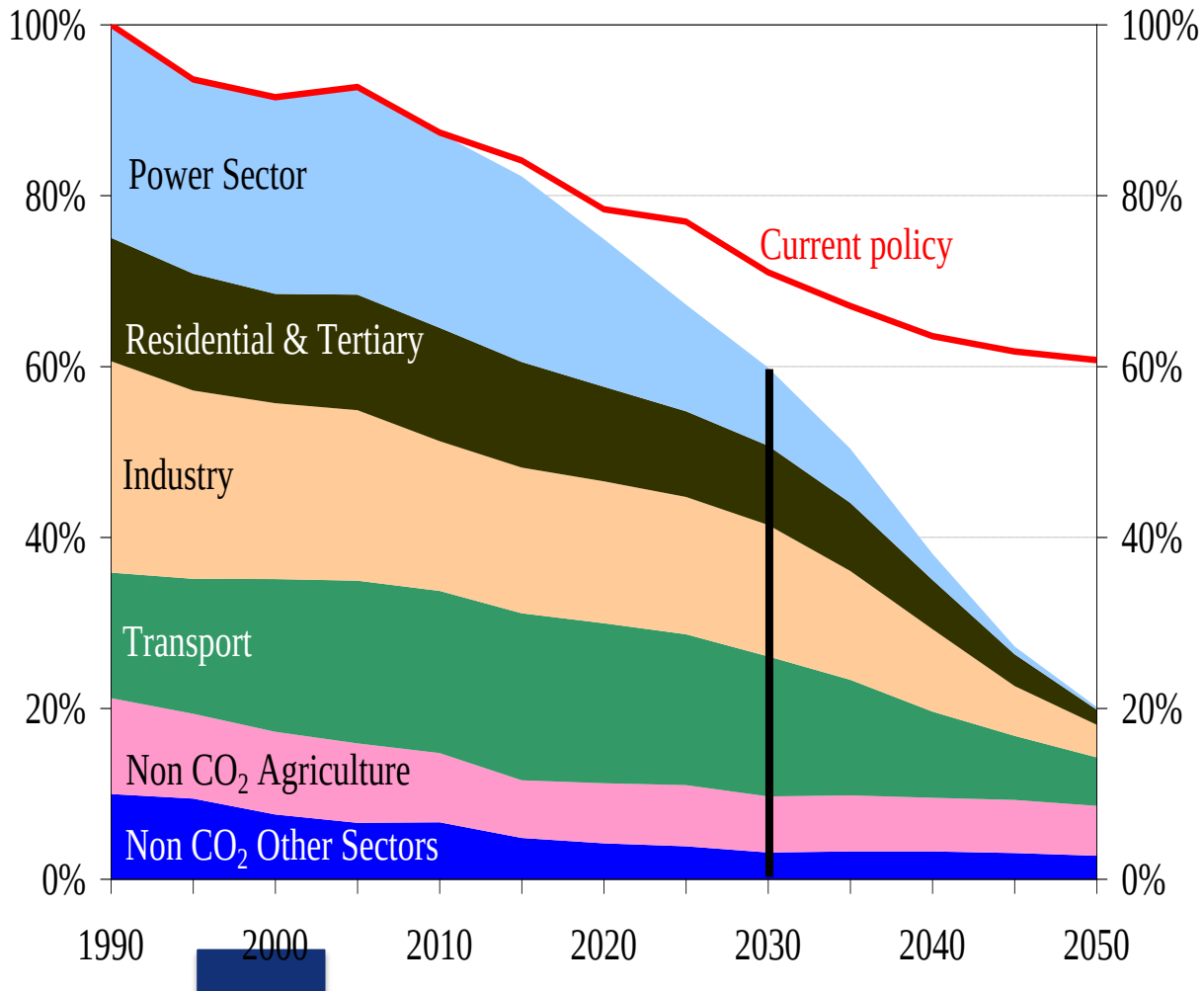
2050: The Low-Emission Roadmap

80% domestic reduction in 2050 is feasible

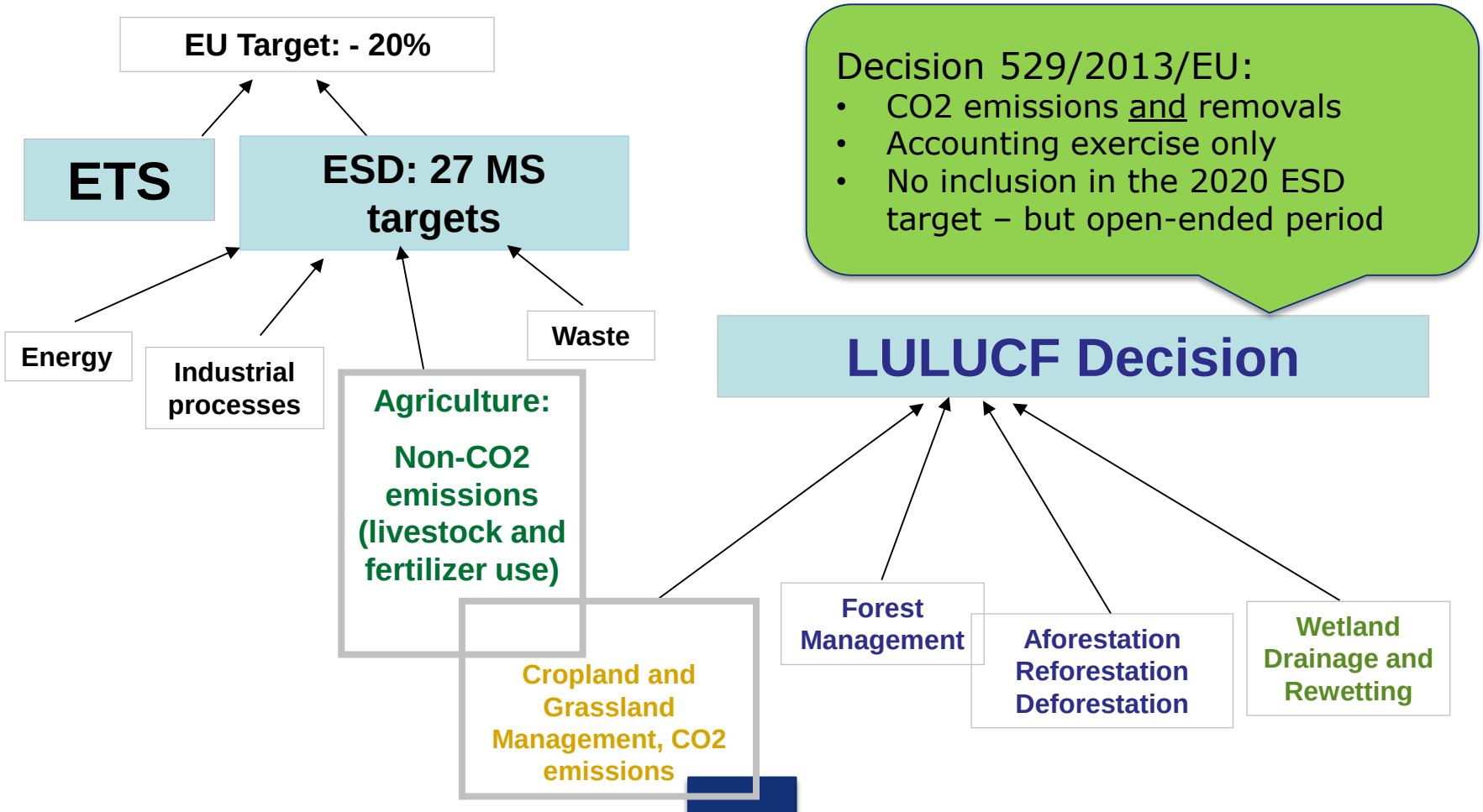
- with currently available technologies,
- with behavioural change only induced through prices
- if all economic sectors contribute to a varying degree & pace.

Efficient pathway and milestones:

-25% in 2020
-40% in 2030
-60% in 2040



Treatment of emissions related to agricultural land use and forestry in the EU's current climate policy



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The EU Agreed headline targets

2030 Framework for Climate and Energy (European Council 23-24 October 2014)

2020

- **-20 %** Greenhouse Gas Emissions
- **20%** Renewable Energy
- **20 %** Energy Efficiency
- **10 %** Interconnection

2030

- **≤ - 40 %** Greenhouse Gas Emissions
- **≥27 %** Renewable Energy
- **≥ 27%*** Energy Efficiency
- **15 %** Interconnection

*To be reviewed by 2020, having in mind an EU level of 30%

New governance system + indicators

LULUCF and EU Council guidance

October 2014 EU Council invitation to EC

- To examine best means of encouraging sustainable intensification of **food production**, while optimising the land use sector's contribution to **GHG mitigation** and sequestration, including through afforestation;
- To establish policy on **how to include LULUCF** into the 2030 greenhouse gas mitigation framework.

Principles for the inclusion of LULUCF:

- Multiple objectives of the agriculture and land use sector: ensure coherence between the EU's food security and climate change objectives;
- Acknowledging the lower mitigation potential;
- All MSs contribute to overall 30% EU reduction in non-ETS sectors, national targets from 0% to -40% compared to 2005;
- No backsliding in terms of environmental integrity;
- Availability of flexibility instruments within non-ETS to be enhanced (cost-effectiveness, convergence of emissions per capita).

Ongoing work on inclusion of LULUCF into the 2030 GHG mitigation framework.

Timetable:

Launch of Stakeholder consultation: March 2015

Impact assessment and work on a legal proposal: during 2015

Supporting Studies:

Publications of DG CLIMA: http://ec.europa.eu/clima/publications/index_en.htm

OSCAR software – ***identify hotspots and potential GHG mitigation for RDPs***

Mainstreaming of Climate Change into Rural Development Policy post 2013: ***inventory of new and innovative types of climate operations***

http://bookshop.europa.eu/en/mainstreaming-climate-change-into-rural-development-policy-post-2013-pbML0614002/?CatalogCategoryID=lPKep2Ix.xIAAAEn5nxL_IUy

Ongoing - ***Effective performance of tools for climate action*** *policy - meta-review of Common Agricultural Policy mainstreaming*

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Conclusion: Policy needs for research

We are listening!

Focus on **Carbon cycle for LULUCF** (biomass and delivery of measures under the CAP);

Need to know:

- Which operations are **effective**: build consensus on existing knowledge base
- **Innovate**: widen knowledge base and bring in new ideas
- How **quickly** operations can get on the farm
- How **much** they will cost
- How to **measure** them in terms of GHG inventory

- **Timeframe**: operating by 2030

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Thank you !

http://world-you-like.europa.eu/en/