



Ad Hoc Technical Expert Group on the impact of the impact of implementation of response measures

Bonn, 9-10 May 2017

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DG Climate Action

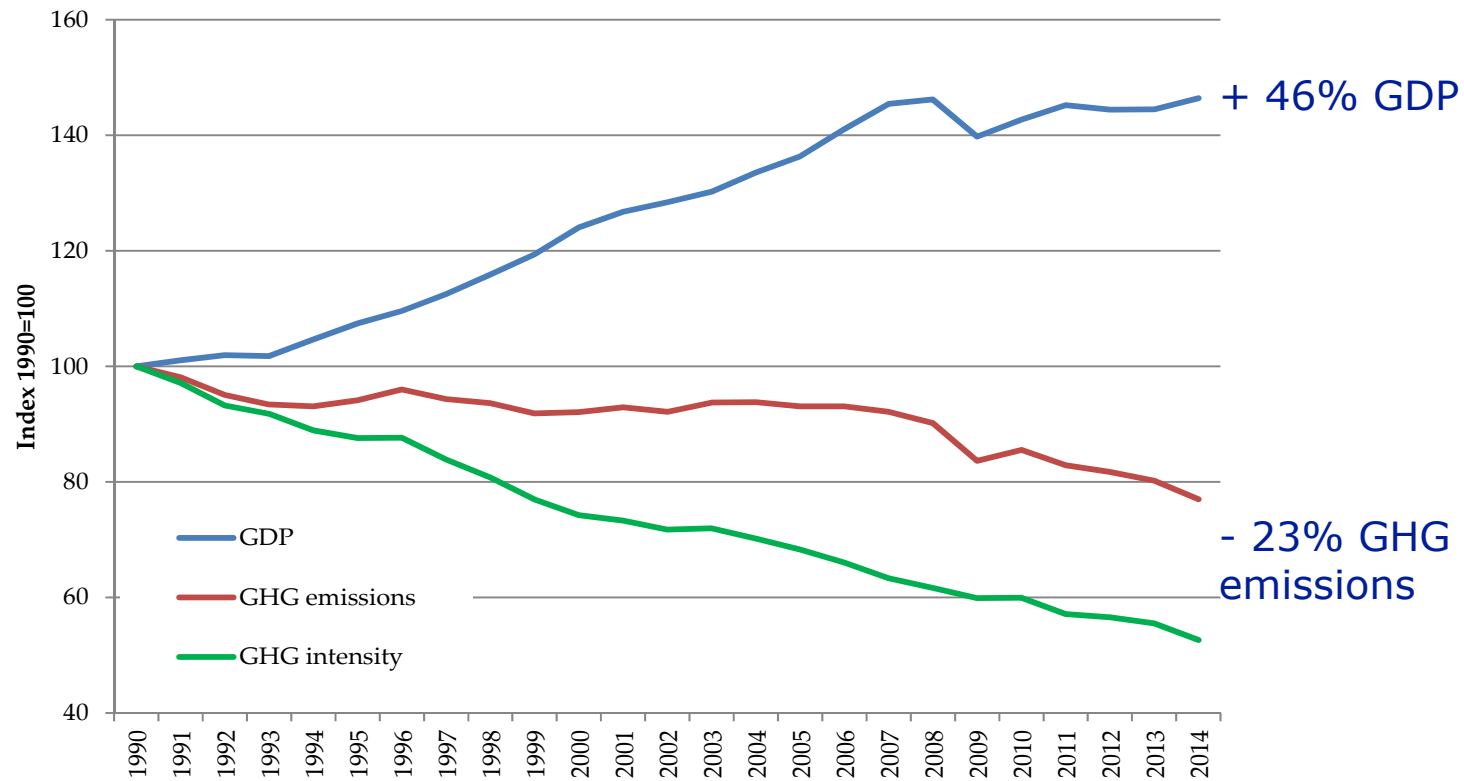
Unit C1 Strategy & Economic Assessment

European Commission

**Climate
Action**

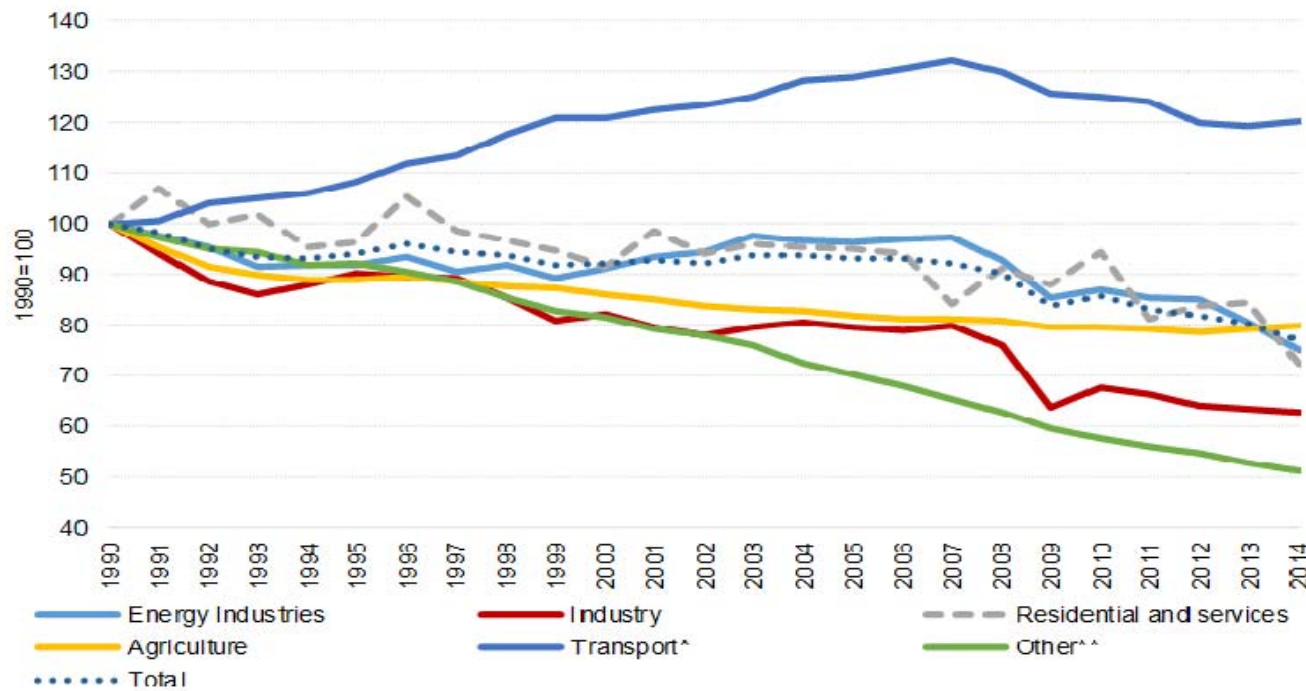


The EU experience: climate action and economic growth can go hand-in hand

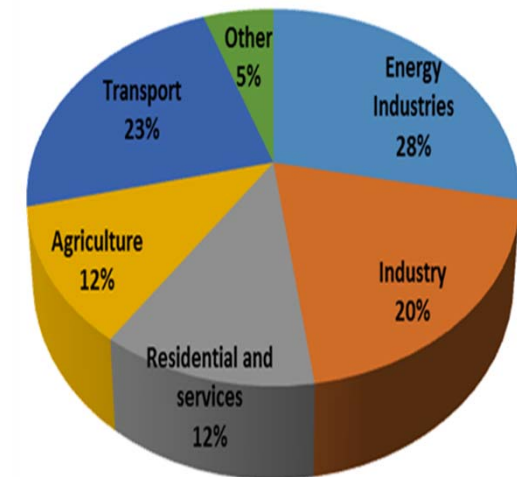


Source: European Commission based on data compiled by EEA

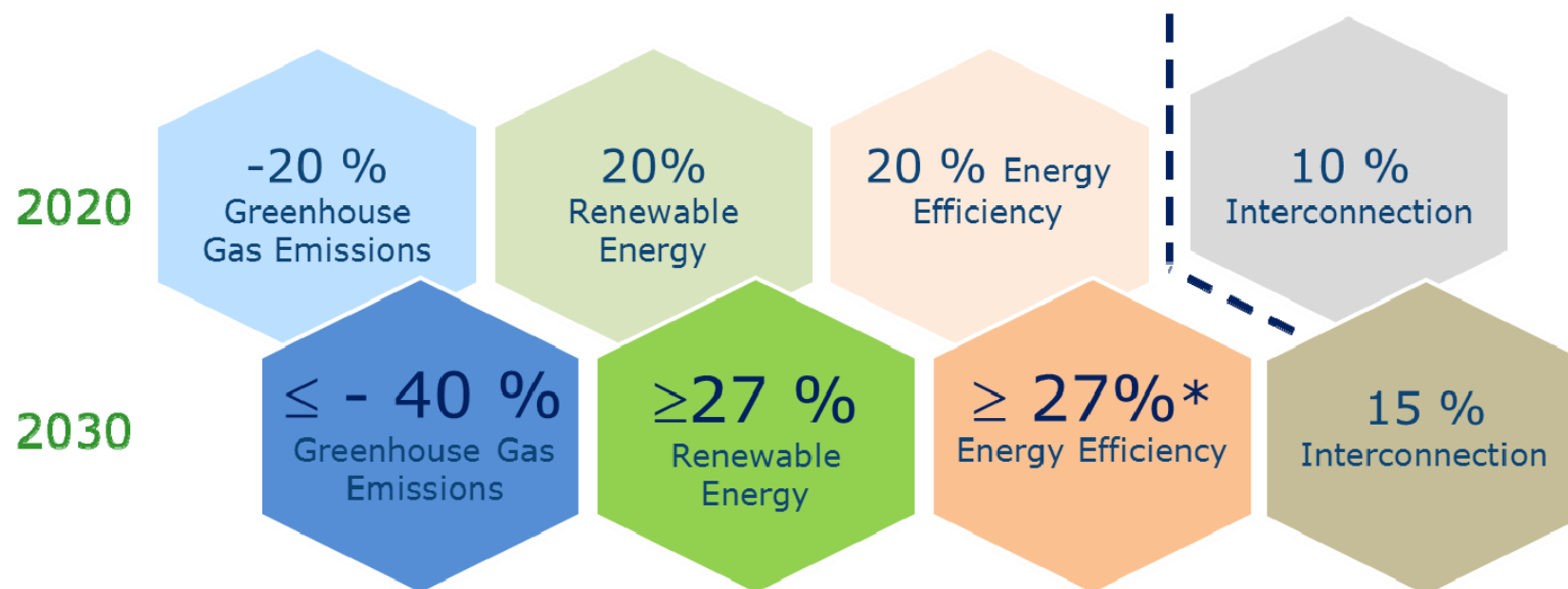
EU: GHG emissions trends in the main economic sectors



2014



2030 Climate and Energy Framework: Reducing emissions is not a single policy





Delivering a low-carbon economy across all sectors

The EU is delivering on its 2030 GHG target.
Commission made legislative proposals on:

- Reform of the Emissions Trading System
- Effort sharing for the sectors outside the ETS (such as buildings, transport, and agriculture) and integration of Land Use
- Clean Energy for All Europeans Package proposals, focus on electricity market design, governance, Renewables and Energy Efficiency
- EU Strategy on Low-emission mobility (Legislation on CO₂ emissions for the post-2020 period for cars and vans in preparation)

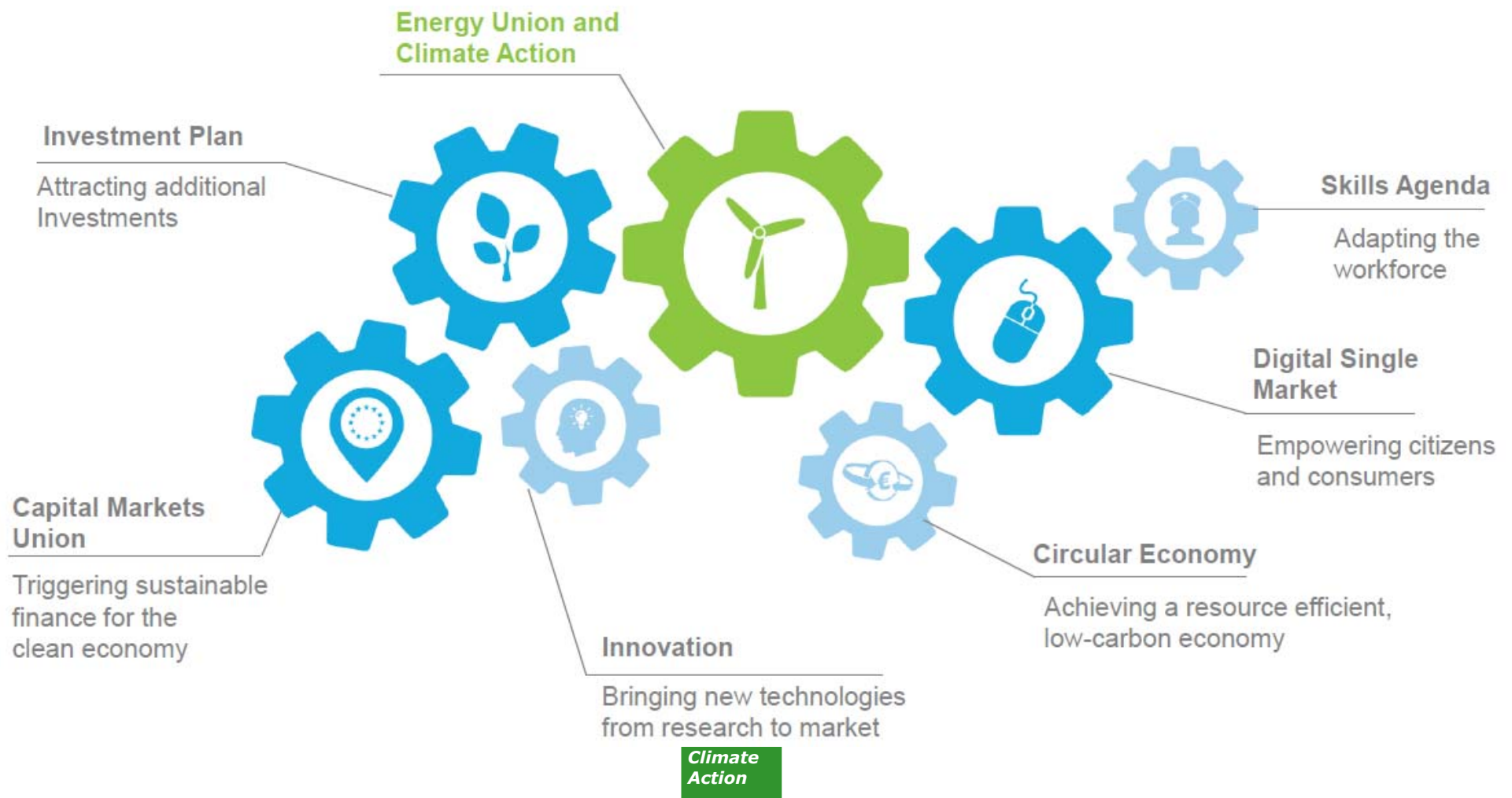


Jobs, growth and investment

Jobs, growth and investment are **top priorities for the EU**, experience proves we don't have to choose between climate action and growth, rather the low carbon transition is the key to long-term sustainable growth.

The number of green jobs in the EU increased from **2.8 to 4.2 million between 2000 and 2013**, including increases during the recession years, and up to 6.5m jobs will be created or retained by 2020 in renewables, energy efficiency and reinvested ETS revenues.

Energy Union and Climate Action



EU: Focussing its public budget to stimulate growth and transition



20%

20% of the EU budget should go to climate-related expenditure (180 bn €)



35%

Climate-related expenditure will exceed 35% of the overall Horizon 2020 budget



40%

At least 40% of the infrastructure projects under European Fund for Strategic Investments (EFSI) will contribute to climate action, in line with the commitments under the Paris climate



European External Investment Plan will support energy projects in Africa and in the Neighbourhood

- * **Focus on jobs and growth**
- * **Climate action as priority in our financial instruments- both domestic (such as European Fund for Strategic Investment) and external (European External Investment Plan).**
- * **Action at EU and Member State level to support industry and workforce**
- * **Learning from experience of previous transitions**



Other EU Policies support the transition towards a diversified and low-carbon economy

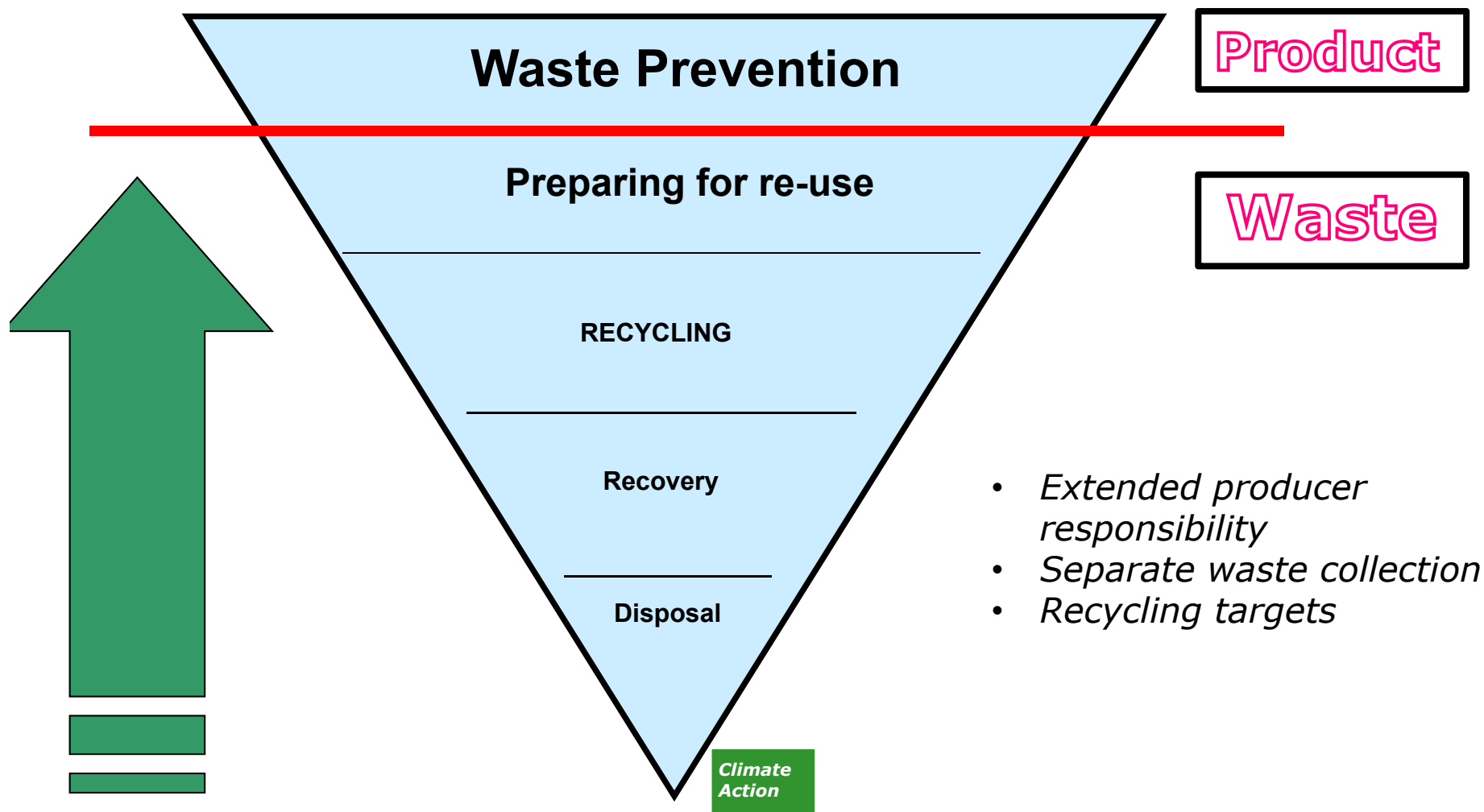
European Social Fund

- Support reforms in education, training and skills development, upskilling of the labour force and creation of new jobs
- E.g. Blueprint for Sectoral Cooperation on Skills, focusses on particular growth sectors that are experiencing a shortage of employees with the relevant skillset

European Regional Development Fund

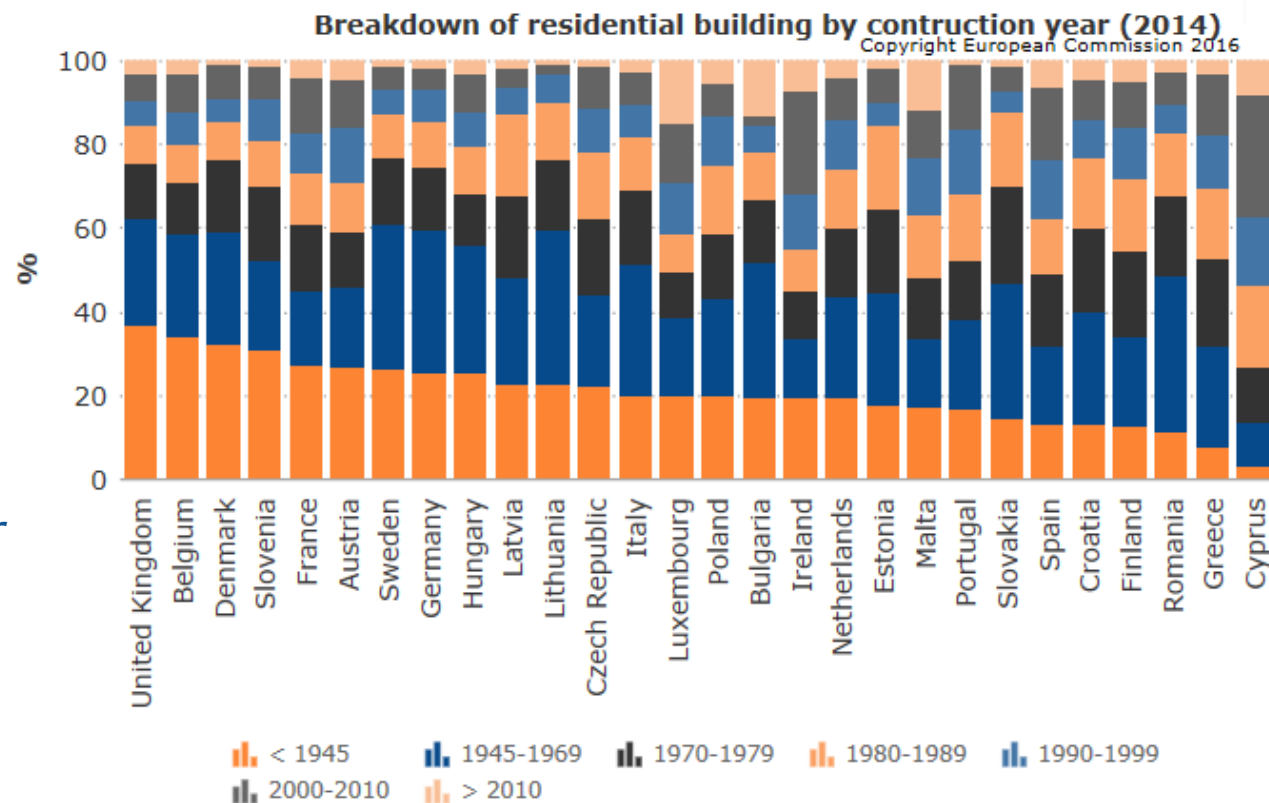
- Supports investments in innovation and research, digital agenda, small- and medium-sized enterprises and the low carbon economy including through energy efficiency in housing and public buildings; production and distribution of renewable energy
- E.g. Smart Specialisation Strategies initiative to enable regions to focus in an inclusive manner on dedicated innovation

Other EU Policies support the transition towards a diversified and low-carbon economy: Circular economy and waste legislation



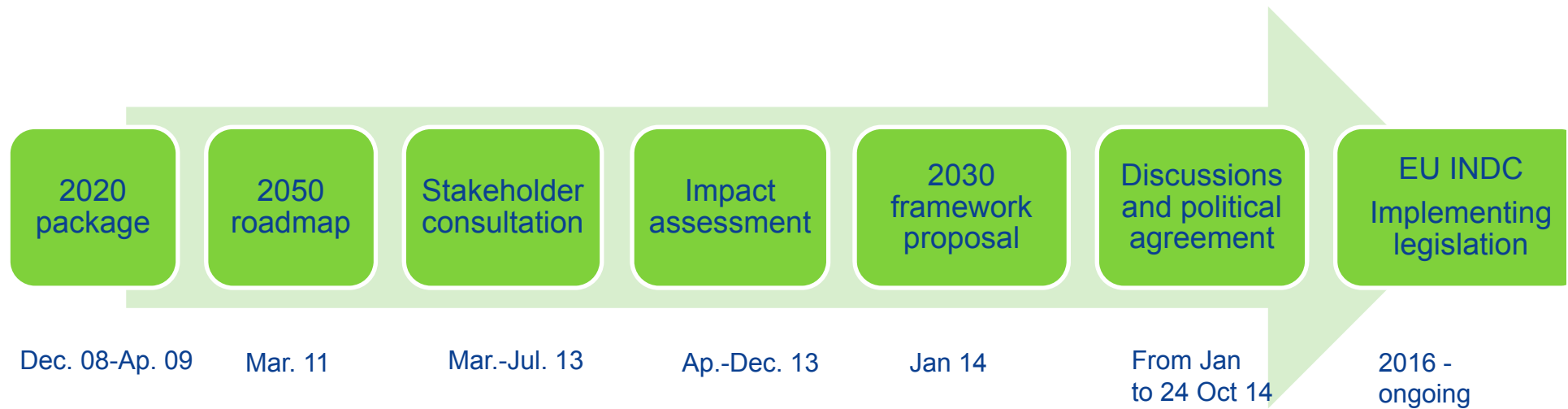
Energy Performance of Buildings Directive

- *energy performance certificates for sale or rental of buildings*
- *new buildings nearly zero energy by 31 December 2020*
- *minimum energy performance requirements for major renovation of buildings*
- *strong investment signal and job creation*





EU Policy Development Process



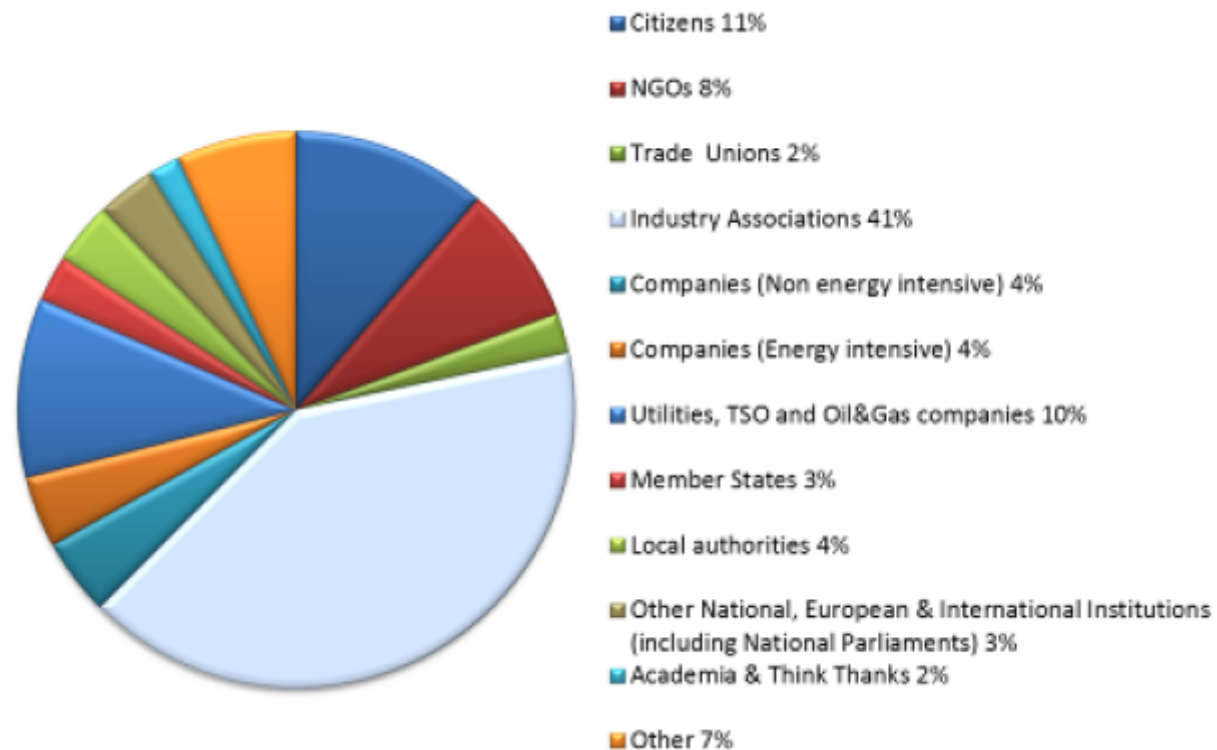
Better Regulation Initiative requires good preparation for policy development:



- Evaluation of existing policies
- Stakeholder consultation
- Impact Assessment

Better Regulation: 2030 climate and energy framework

- Green paper and stakeholder consultation.
- 577 replies





Better Regulation: 2030 climate and energy framework

- Impact assessment with strong analytical underpinning, example of topics covered:
 - Reference scenario
 - Policy Scenarios development
 - Energy system impacts
 - Non-CO2 emissions
 - LULUCF
 - Air Pollution
 - Macro-economic impacts on GDP
 - Employment
 - Energy intensive industries
 - Structural Measures
 - Distributional impacts Member States



Supporting the global transition

switchasia

- EU-funded grant programme running since 2007 with €300m funding
- 16 developing countries in Asia, >80 projects
- 9 sectors including manufacturing, agriculture, construction and tourism



- 4 year programme in 6 countries
- Covering Agriculture, Tourism, Manufacturing, Waste Management and cross-cutting themes incl. energy efficiency
- Partnership with private sector, government, local authorities and civil society



Thank you!

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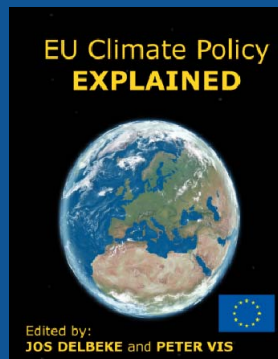
youtube.com/EUClimateAction

Read our book "EU Climate Policy Explained"

(published by Routledge, 2015)

English, French, Spanish, Chinese versions online :

http://ec.europa.eu/clima/citizens/publications/index_en.htm



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