

**EESC public hearing**  
**The European Finance-Climate Pact**

# **Landscape Review: EU action in energy and climate change**

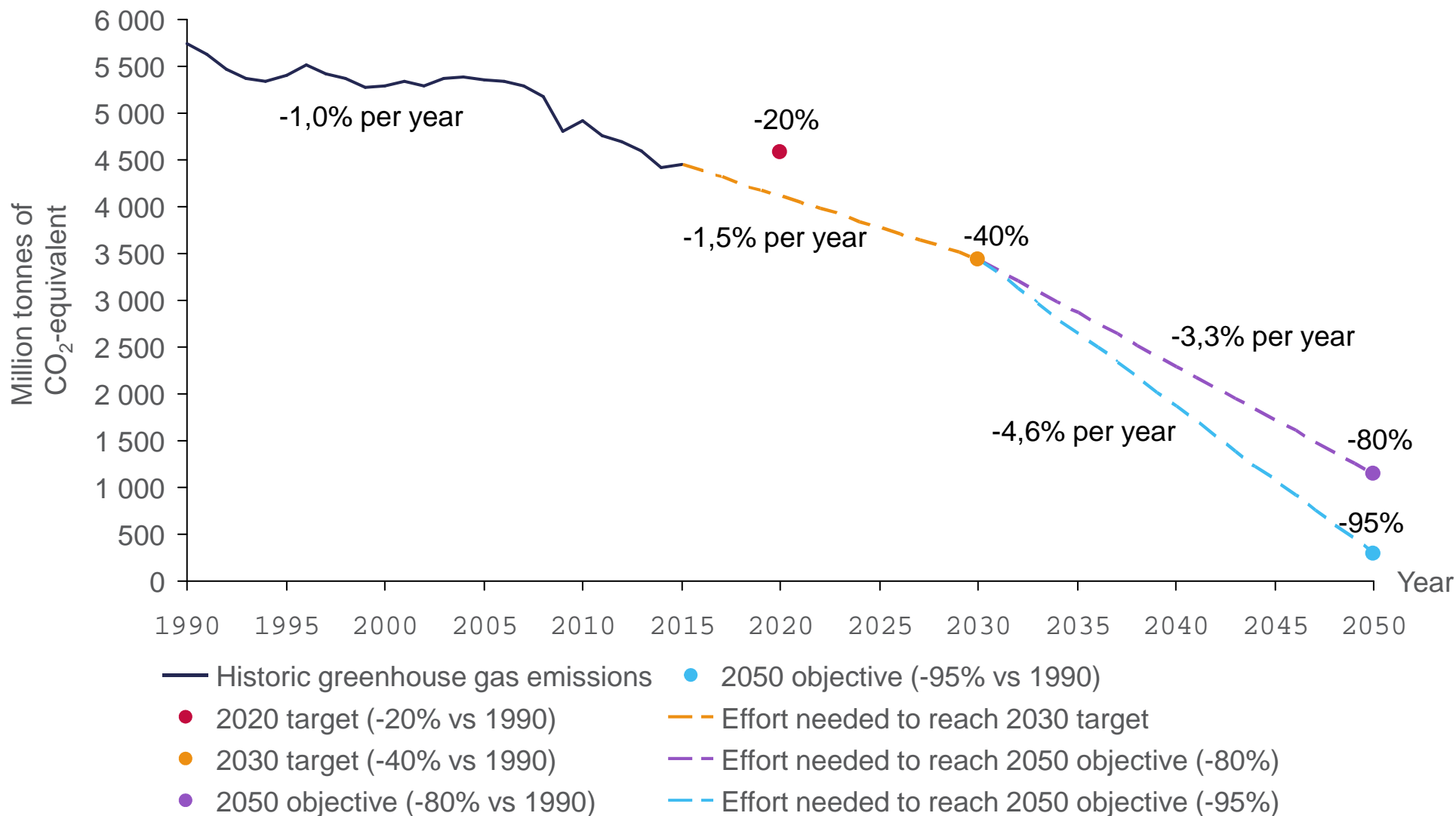
**Olivier Prigent,**  
**Attaché of the Member Mr. Wynn Owen of the European Court of Auditors**

**Brussels, 18 May 2018**

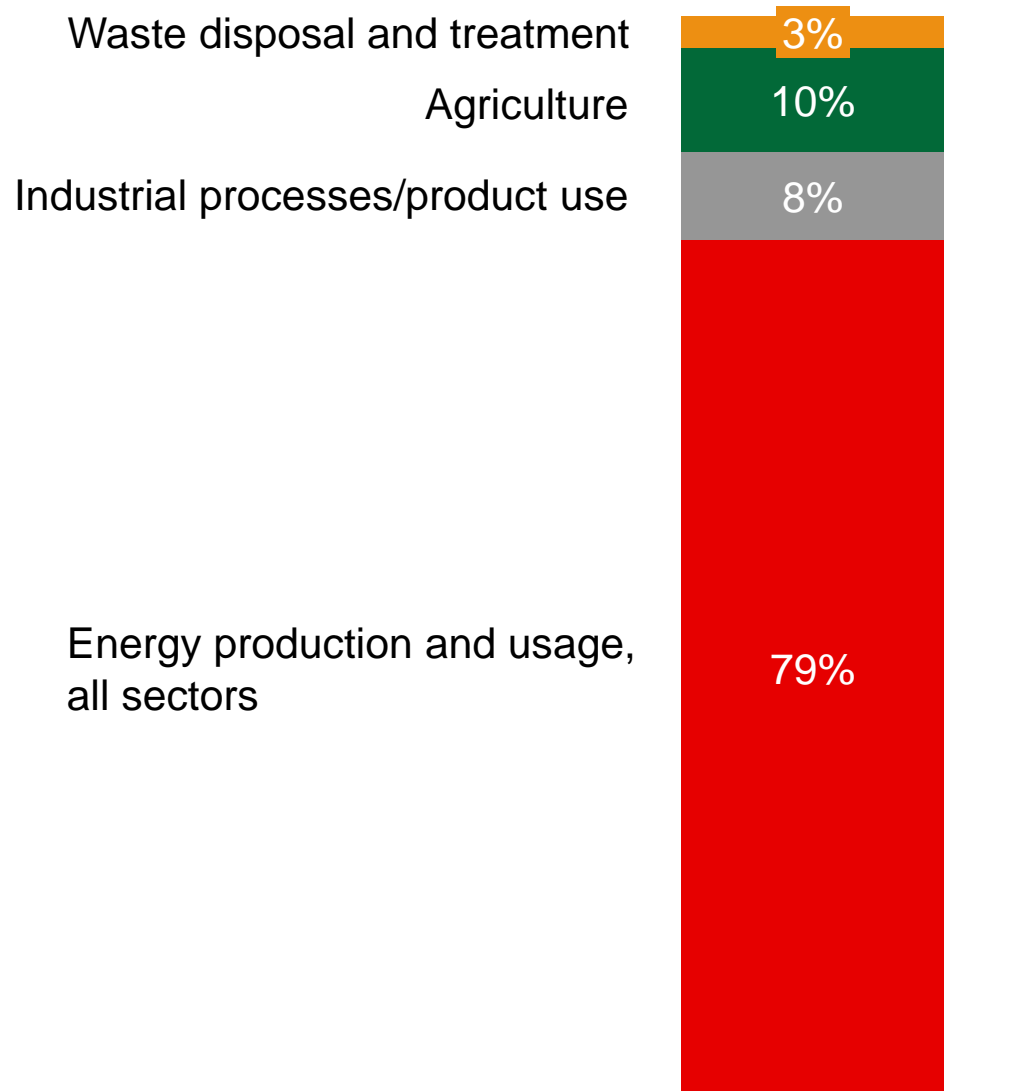


**EUROPEAN  
COURT  
OF AUDITORS**

# Mitigation: EU greenhouse gas emission trends, projections and reduction targets and objectives

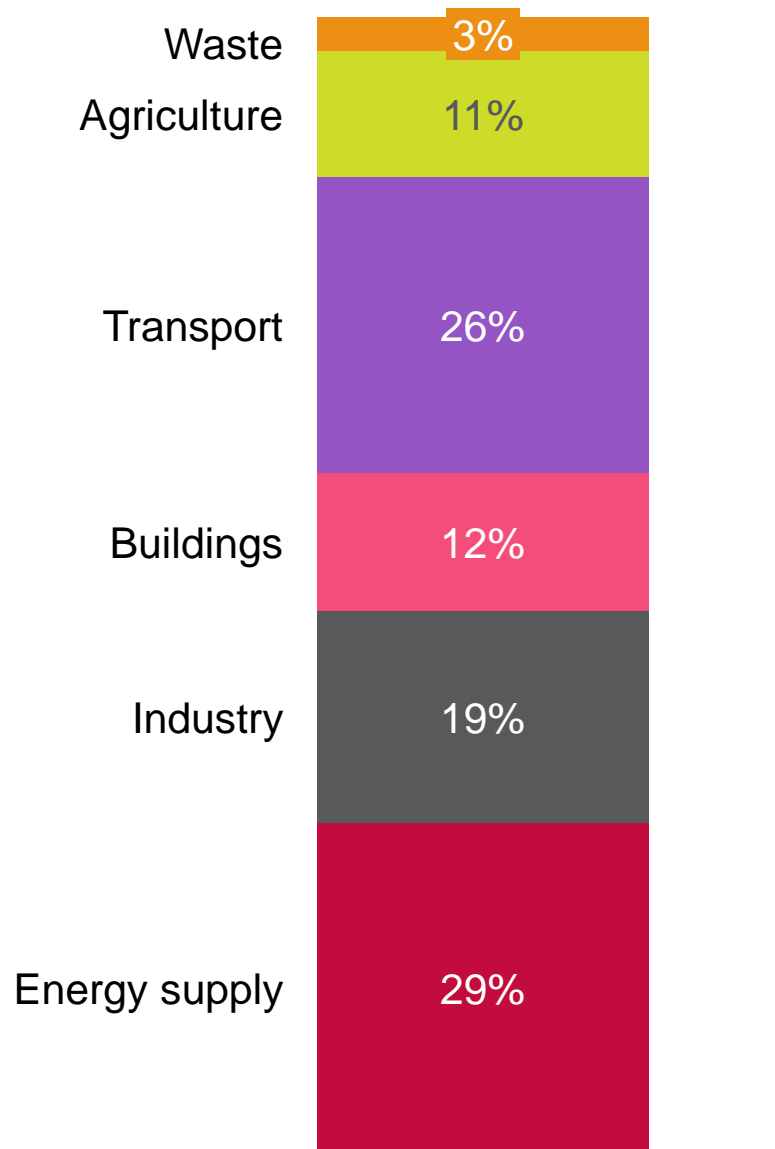


# Mitigation: 2015 EU GHG emissions, by source



2015 GHG emissions  
by activity

# Mitigation: 2015 EU GHG emissions, by sector



2015 GHG emissions by sector

# Mitigation: example of estimate of economic costs of climate change for the EU

- Transport: 736 billion euros
- Buildings (households and services): 282 billion euros
- Energy supply: 78 billion euros
- Industry: 19 billion euros

- 
- **Total: 1 115 billion euros**

Source: European Commission ([\*Impact assessment accompanying the “Proposal for a Directive amending Directive 2012/27/EU on Energy Efficiency”\*](#)).

- **Not audited by the Court**
- Private and public sources
- A more robust carbon price would also be a powerful tool

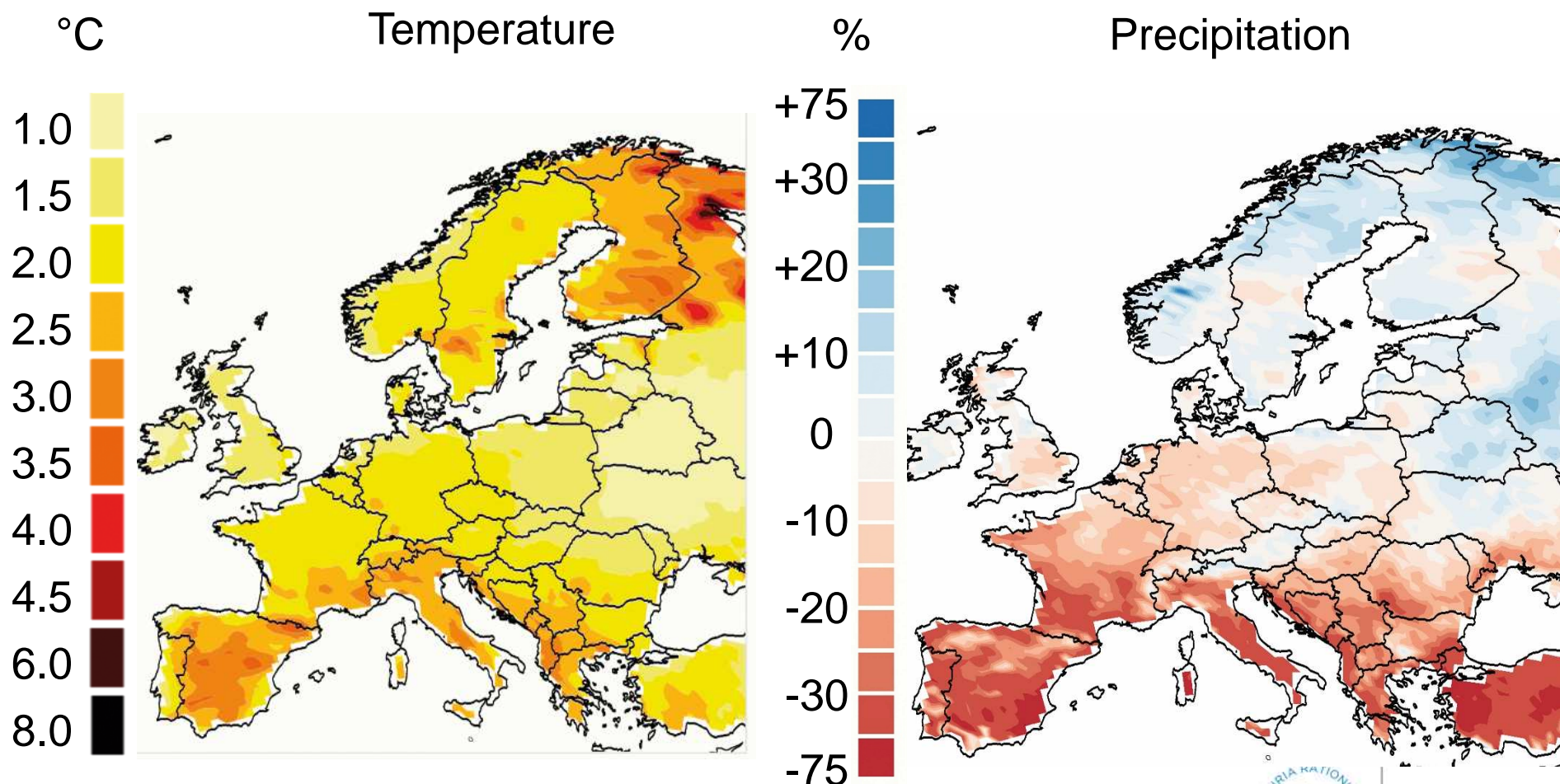
# Climate action 1 in 5: Ambitious work underway, but serious risk of falling short

- **20% target** for MFF 2014-20 climate action in EU budget
- **Progress made** in “mainstreaming” EU budget
- **More, better-focused, climate action funding:**
  - European Regional Development Fund
  - Cohesion Fund, but
- **No significant shift towards climate action:**
  - Agriculture and rural development
  - Fisheries
  - European Social Fund
- **Overestimation**
- **Research well short of its 35% target**



# Planning for and tackling adaptation

Changes in summer temperature (°C) and precipitations (%) for 2071-2100, compared with 1961-1990 (2°C increase scenario)



Source: Adapted from [Climate Impacts in Europe](#), the JRC PESETA II project, 2014. Data from Dosio and Paruolo 2011 and Dosio et al 2012.

# Adaptation: example of estimate of economic costs of climate change for the EU

- **190 billion euros cost** per year by 2080 in business-as-usual scenario (JRC)
- **120 billion euros cost** per year by 2080 in 2°C scenario (JRC)
- **Difficult to predict**
- **Public and private sources**
- **More costly** if reactive, not preventing



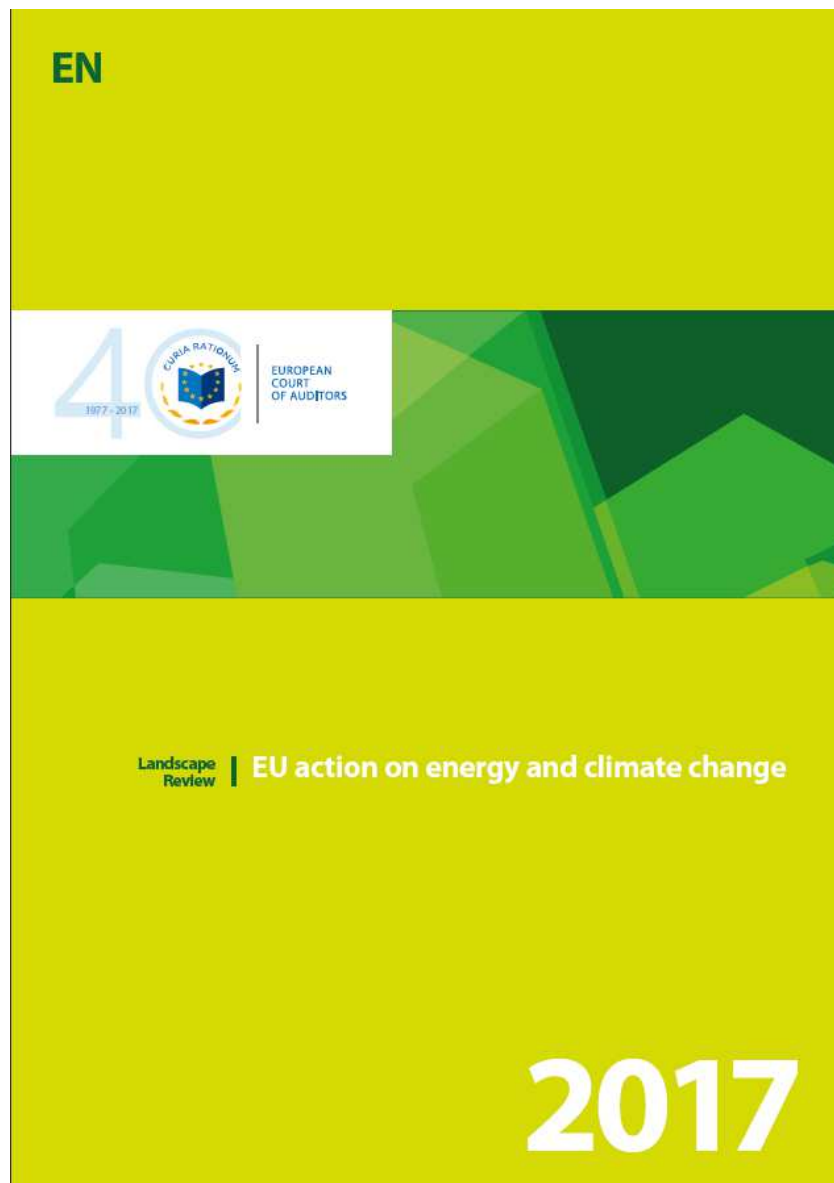
# Nuclear decommissioning and disposal

- About 400 billion euros (2017 Commission's nuclear report)
- **Decommissioning costs double** if final disposal included
- Also business and employment opportunities



# Landscape review: Main challenges





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*For more information on the Landscape Review:  
Visit*

*<http://www.eca.europa.eu/en/Pages/DocItem.aspx?d=41824>*

