

# CECILIA2050 - Combining Policy Instruments to Achieve Europe's 2050 Climate Targets

## Presentation of the Project and Consortium

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## The EU's 2050 target: 80-95% reductions = decarbonisation

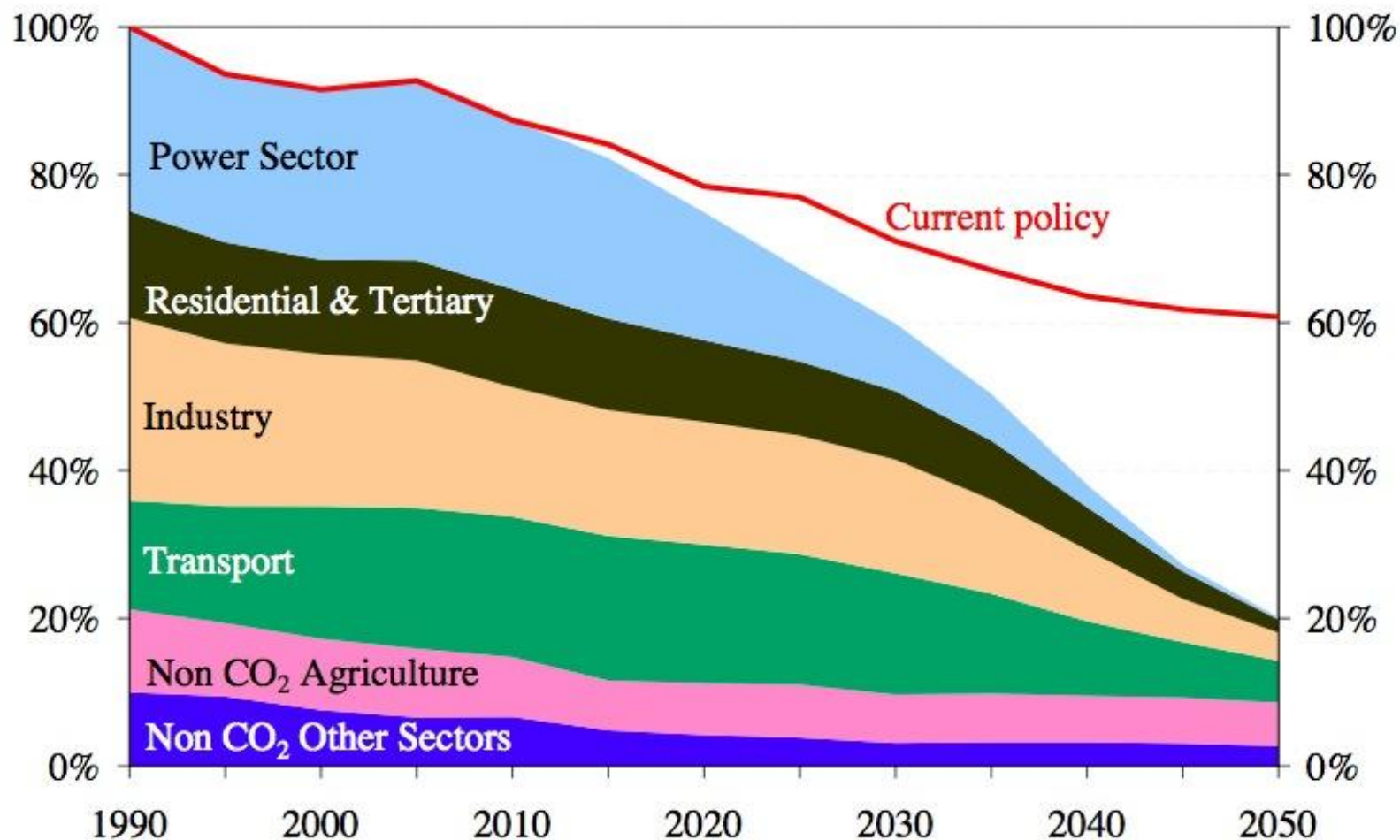
**BRUSSELS EUROPEAN COUNCIL  
29/30 OCTOBER 2009**

**PRESIDENCY CONCLUSIONS**



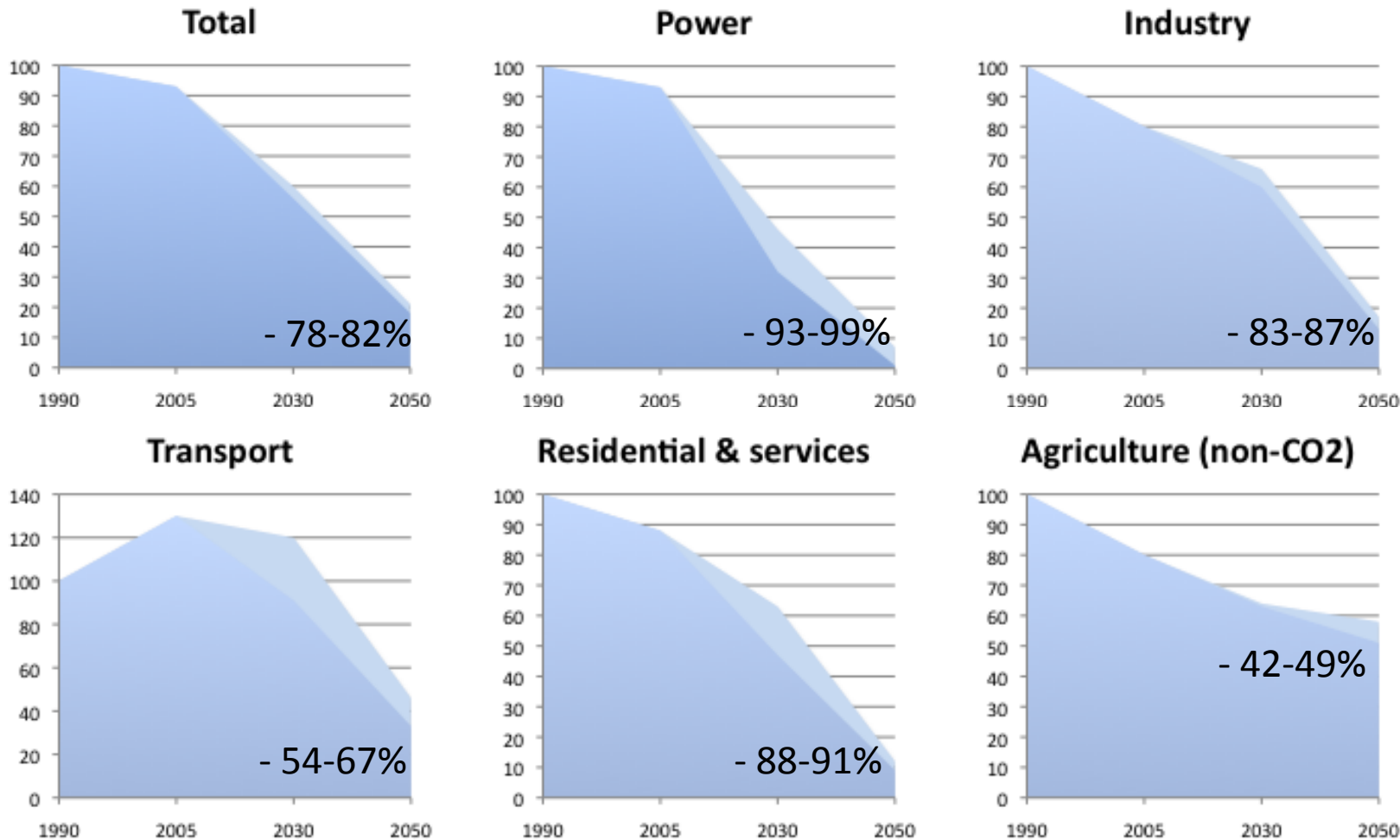
The European Council calls upon all Parties to embrace the 2°C objective and to agree to global emission reductions of at least 50%, and aggregate developed country emission reductions of at least 80-95%. As part of such global emission reductions, by 2050 compared to 1990 levels; such objectives should provide both the aspiration and the yardstick to establish mid-term goals, subject to regular scientific review. It supports an EU objective, in the context of necessary reductions according to the IPCC by developed countries as a group, to reduce emissions by 80-95% by 2050 compared to 1990 levels.

## Current policy mix is not equipped for reaching the 2050 targets



Source: "A Roadmap for moving to a competitive low carbon economy in 2050" COM(2011)112

## Radical transformation required in all parts of the Economy



Source: Roadmap Impact Assessment SEC(2011) 288

## The policy challenge: how to manage the transformation?

- EU and MS already employ a variety of climate policy instruments – but current instruments are not sufficient to reach the 2030 – 2040 – 2050 milestones
- Existing instruments need to be scaled up considerably, and new instruments added to the policy mix
  - How is the current policy mix performing, and how far can it be scaled up? What constraints need to be addressed?
  - How to manage interactions and overlap of policy instruments?
  - How to deal with uncertainties, where to be rigid and where flexible?
  - What does an “optimal” instrument mix for European climate policy look like?
- European Commission issued a call for proposals in 2011 under FP7 research program

## Tackling the 2050 policy mix – the CECILIA2050 project

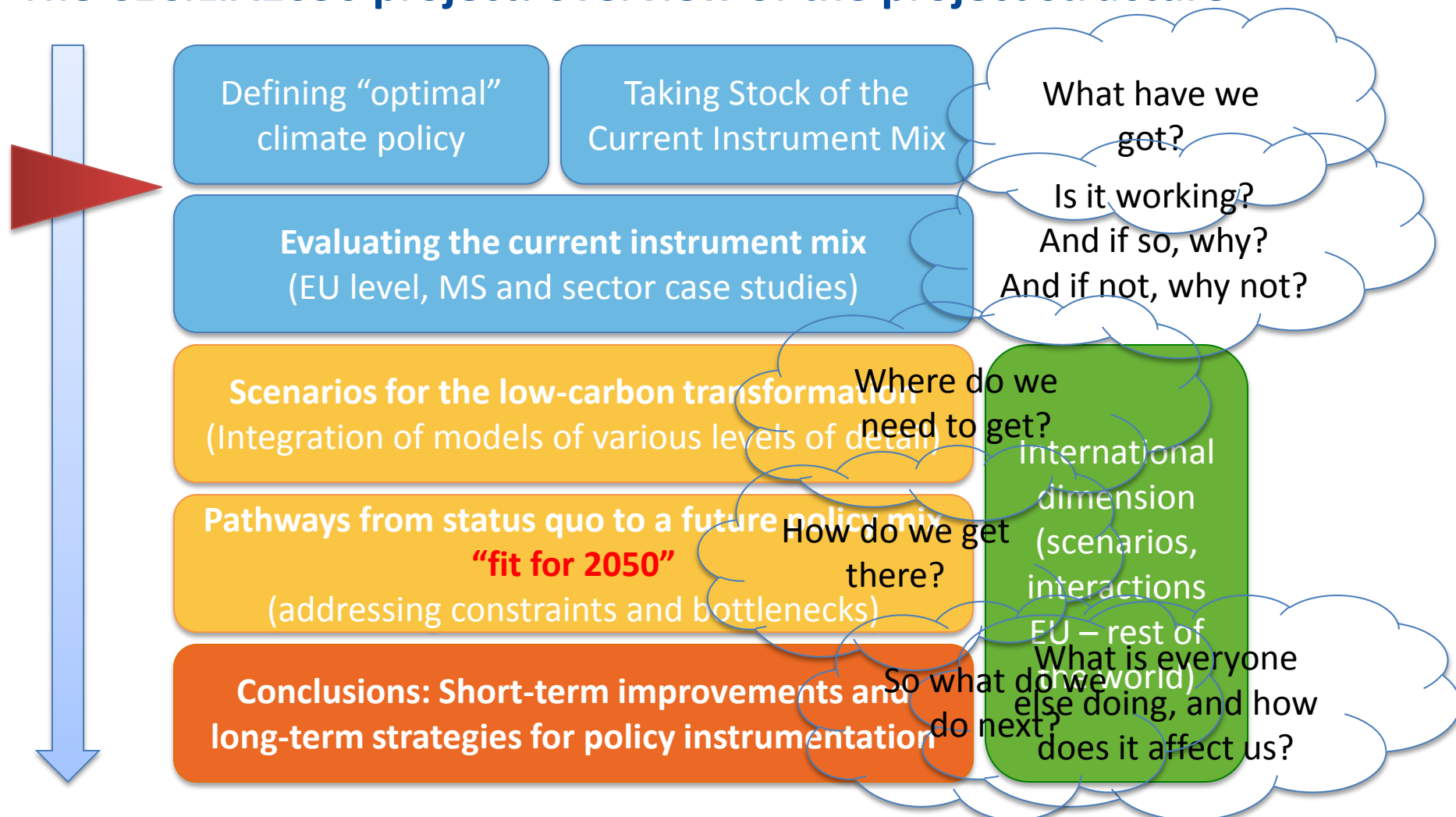
Choosing  
Efficient  
Combinations of Policy  
Instruments for  
Low-carbon development and  
Innovation to  
Achieve Europe's  
2050 climate targets



## Who we are: 10 partners from 8 countries

- **NL:** Institute of Environmental Sciences (CML) at Leiden University
- **NL:** Institute for Environmental Studies (IVM) at the Free University of Amsterdam
- **CZ:** Charles University Prague (CUNI)
- **PL:** University of Warsaw
- **UK:** University College London (UCL)
- **F:** Centre International de Recherche sur l'Environnement et le Développement (CIRED)
- **ES:** Basque Centre for Climate Change (BC3)
- **IT:** University of Ferrara (UNIFE)
- **DE:** Institute of Economic Structures Research (GWS) in Osnabrück/Germany
- **DE:** Ecologic Institute in Berlin as project leader

## The CECILIA2050 project: overview of the project structure



## The CECILIA2050 project: key features

- Interdisciplinary and geographically diverse approach
  - Working across disciplines – combining economics, law, political science
  - Joining researchers from eight European countries with different socioeconomic & policy backgrounds
- Broad notion of “optimality” – explicit treatment of political, legal and administrative feasibility
- Consider the entire policy mix - focus on interactions of policy instruments
- Combination of different quantitative approaches with qualitative methods
  - Macroeconomic models (GINFORS), energy models (TIAM-UCL), global CGE models (GTAP-E), micro-simulation models (private households, building sector), legal analysis, focus groups, household / consumer surveys, serious gaming, Delphi polls...
- Involvement of stakeholders
  - Through conferences and workshops, permanent Advisory Board and college of practitioners, gaming and focus groups

## Outline of the workshop

- Session 1: The search for optimality  
Presentation, exercise and discussion: what constitutes an “optimal” climate policy?
- Session 2: Applied examples – taking stock of the existing climate policy mix  
Examples of policy landscapes from four European countries
- Session 3: Different perspectives on optimality  
Panel of experts with EU and MS policy makers, NGO, business and academia

Thank you for your attention.



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[www.cecilia2050.eu](http://www.cecilia2050.eu)