FROM ROADMAPS TO REALITY

A FRAMEWORK FOR POWER SECTOR DECARBONISATION IN EUROPE

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European Climate Foundation's Roadmap 2050 Project
From Roadmaps To Reality is the latest step in the project

Phase 1
2010
Roadmap 2050: a practical guide to a prosperous, Low Carbon Europe

EC low-carbon 2050 Roadmap

Phase 2
2011
Power Perspectives 2030: on the road to a decarbonised power sector

EC Energy 2050 Roadmap

Phase 3
2013
From Roadmaps to Reality

Is the current framework adequate to drive the power sector transition?

Upcoming: EC papers on 2030 Climate & Energy and Internal Energy Market

Robust technical and economic basis
European Climate Foundation's Roadmap 2050 Project
The project benefited from wide stakeholder consultation with business, NGOs and academic experts.

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EU Power Sector in Transition – Cost Benefit from Cross-border Resource Sharing

ECF - 42bn€ / year

Booz & co - 70bn€ / year
The policy challenge is to deliver decarbonisation affordably and securely.

A successful framework seeks to capture the huge cost savings from an integrated approach.

Therefore, the vision towards IEM + ETS is right and needs to be maintained.

But, until this is a reality, market interventions are needed and this draws action to the national level.

The challenge is to drive the market vision while allowing well-designed interventions.

This requires policy makers on national and EU level to take action.
Towards a Stronger and Better Integrated EU Framework

Robust governance structures on EU and regional level

Internal Energy Market
- Implementing IEM 2 and IEM 3
- Strengthening ACER mandate

Infrastructure targets

Competition guidelines

2030 Climate & Energy
- GHG target with EU ETS and EPS
- RES target and framework
- EE target and framework

Need for new high-profile legislative initiative, like a 4th Internal Energy Market Package?
Unlocking the Potential
A stronger and more integrated Europe

Booz & Co - Cost savings potential ± € 70 bln per year by 2030

1. Implement IEM packages
2. Develop cross-border transmission
3. Activate the demand side
4. Steer investments to low carbon technologies
5. Coordinate system operation and technology support across national borders

Towards a stronger and more integrated EU framework, aligning liberalisation and decarbonisation objectives.
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