## ECF Roadmap 2050 project: "From Roadmaps To Reality"

IEA

Workshop on integrating carbon pricing with energy policies

18 March 2013

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### **PROJECT STRUCTURE AND PARTICIPANTS**



### **PROJECT & POLITICAL TIMELINE**



**Policy-makers** are trying to deliver other ETS is all you important policy need: objectives. We Caps emissions cannot assume that politicians Optimises will leave the across cap alone, sectors regardless of the Market impact it might driven be having on abatement Selfenergy costs or security of correcting supply.

A broad policy framework is needed to manage the risks of (1) cost and (2) security of supply excursions. It is this tendency to intervene that undermines the self-correcting features of cap and trade mechanisms and creates the rationale for additional mechanisms.

# Fig. EUA price projections and carbon price necessary to deliver national targets





Source: E3G - Risk managing power sector decarbonisation in Great Britain, Poland and Germany

- Investment model For each market the carbon price develops to find the required level in order to achieve the carbon emission targets (based on current national policies)
- The difference between countries is a reflection both of different carbon targets and of different starting points and investment cycles
- In EUA, the carbon price trajectory of the EC's Energy Roadmap 2050 was adopted

#### SEMINAR ON CARBON PRICING & COMPLEMENTARY MEASURES – EMERGING CONCLUSIONS

Carbon pricing vs	EU vs MS
complementary measures	level governance
EU ETS covering power sector post-	Analyses indicates cost benefits from
2020 is needed	EU-coordinated approach
MS have different decarb objectives and views on support for technologies	EU-wide or regional cooperation mechanisms for RES post-2020 become more important
What about technology neutrality vs 'picking winners'?	Best solution may end up close to current model (improved version, "Package 2.0")

Need self-reinforcing mechanisms and governance Debate needs COM initiative soon (within this COM term)

### Key questions to address

- Governance and coherence between jurisdictions: over the next decade, will we have a strong or weak Europe concerning energy policy?
  - What are the advantages/disadvantages for Member States in signing up to pan-EU complementary measures?
- Instruments and coherence between instruments: will the ETS be the primary driver of decarbonisation or, as present, a backstop instrument to ensure particular goals are met
  - What complementary measures are needed to ensure broader energy policy objectives, what options do Member States have?
  - How can complementary policies be designed and implemented to ensure they reinforce the role of ETS rather than undermine it?
  - Are there any new high level design features that the ETS must have (e.g. to stabilise price) to ensure consistency with complementary measures and support efficient investment?

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Thank you

### Dries Acke, Policy Manager dries.acke@europeanclimate.org

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