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European Renewable Energies Federation

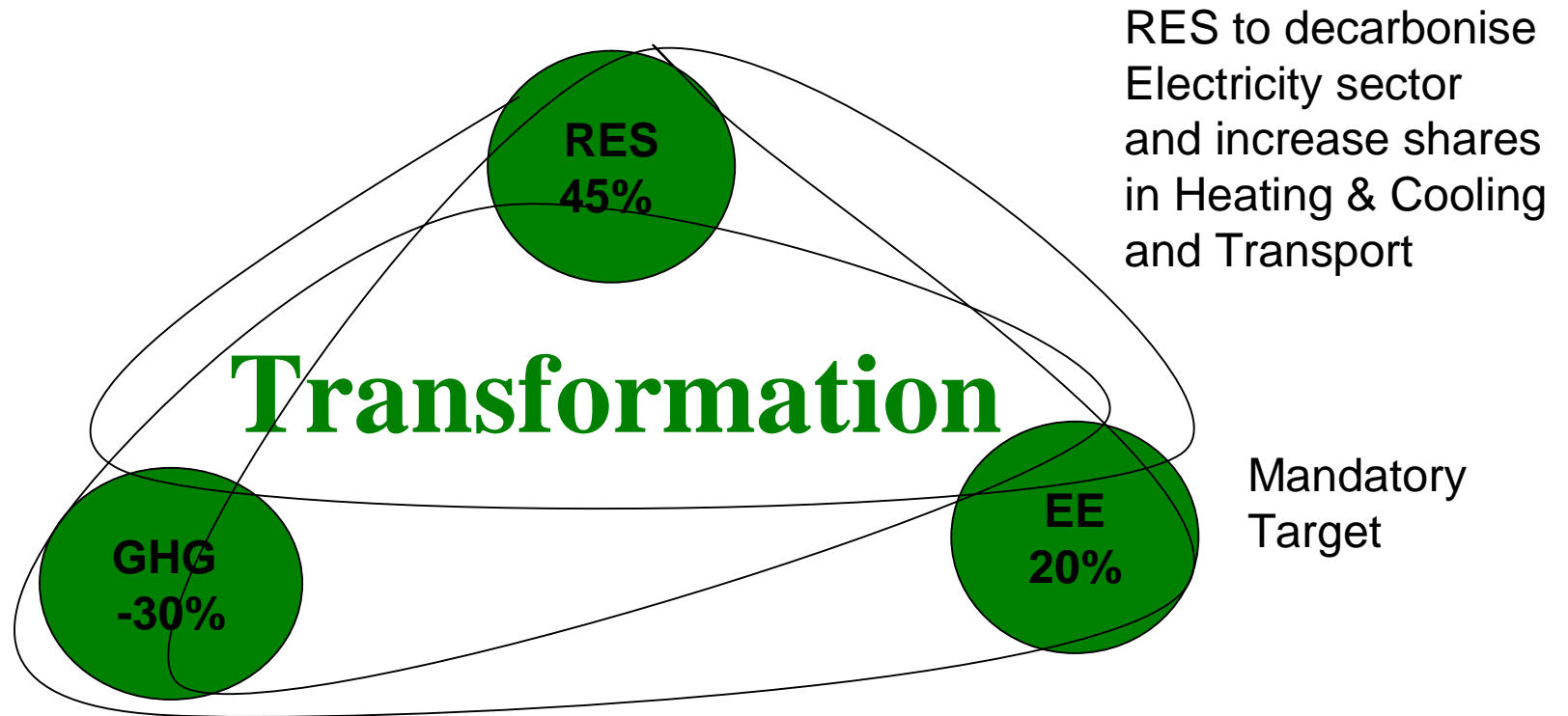
EU and National Climate Change Initiatives

Hamburg International Environmental Law
Conference

15 September 2011

Amber Sharick, EREF Senior Policy Advisor

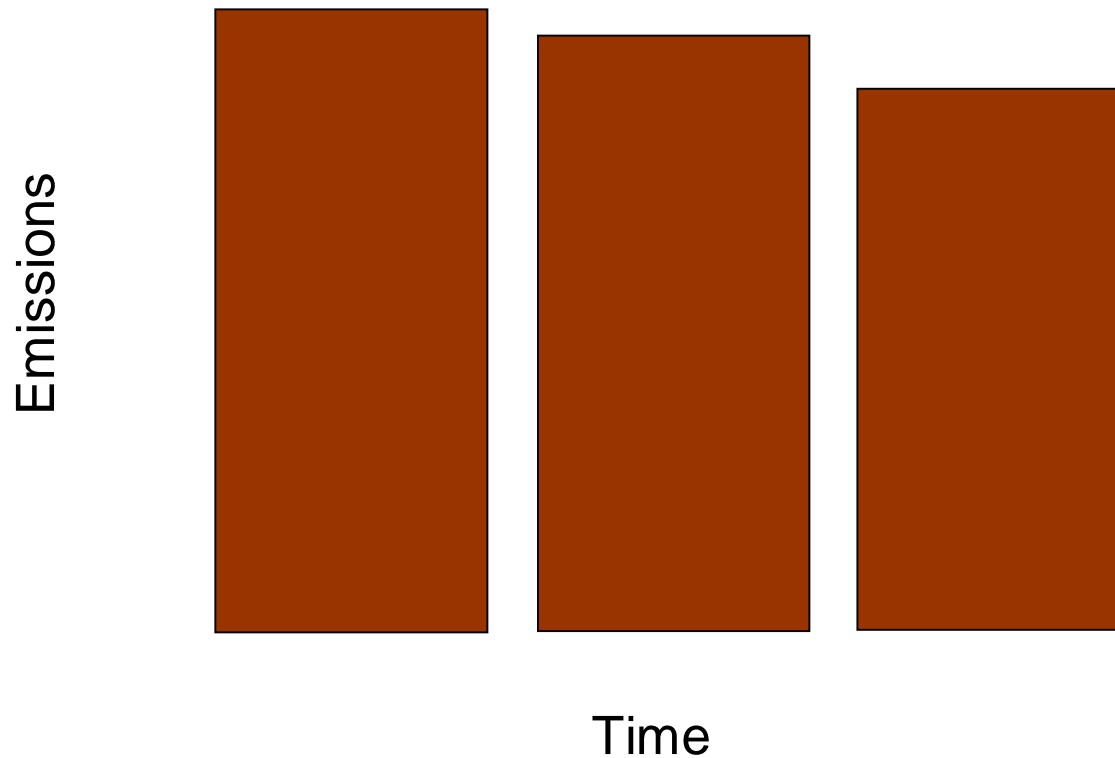
Leverage Policies Beyond 2020



25-40% reductions in GHG emissions in OECD countries by 2020, give the world a 50% chance to avoid 2 degree C rise in temp. IPCC. AR4. 2007.

EREF Cap-and-Trade: No Explicit Accounting for Increased Shares of RE & EE

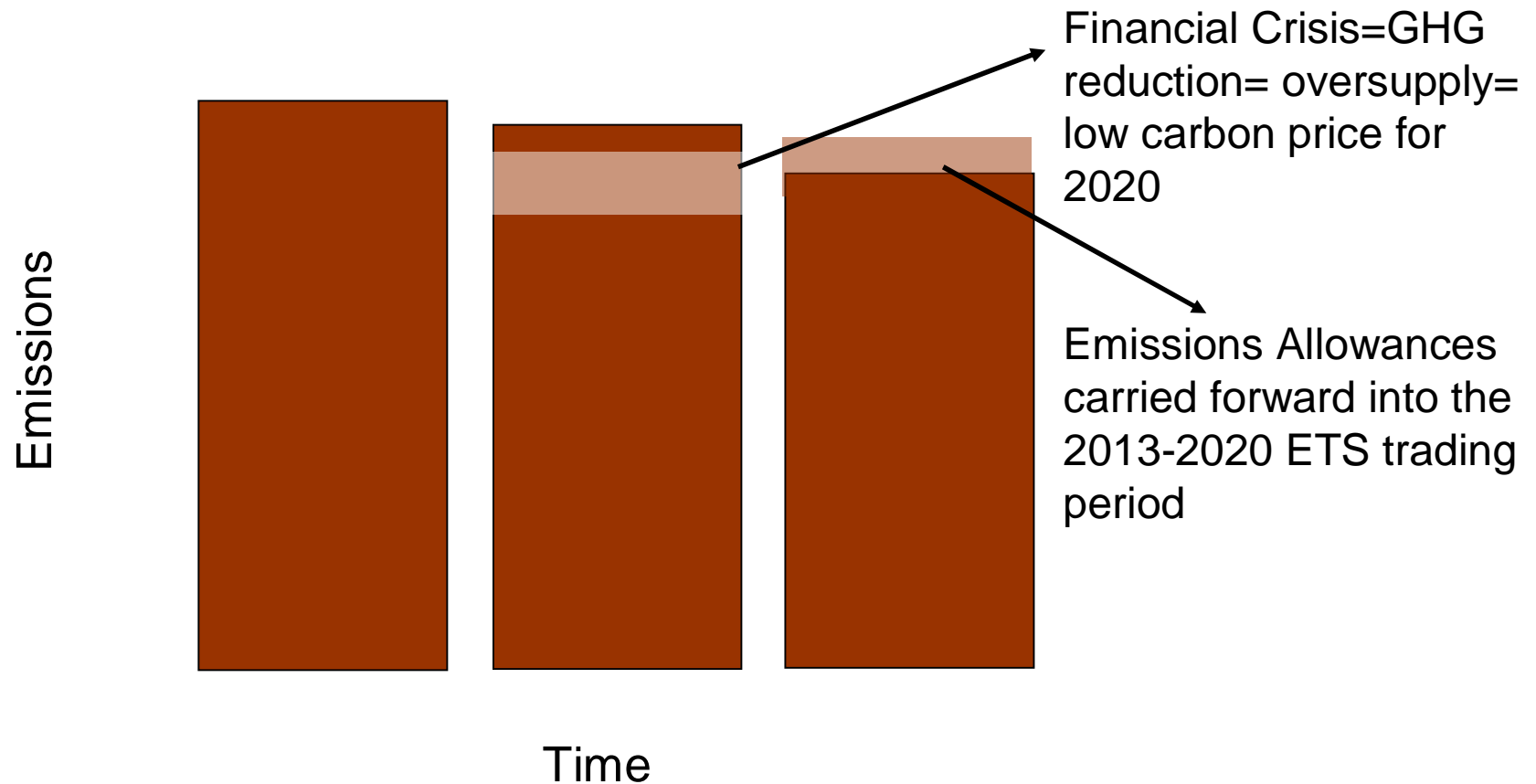
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Hamburg International Environmental Law Conference

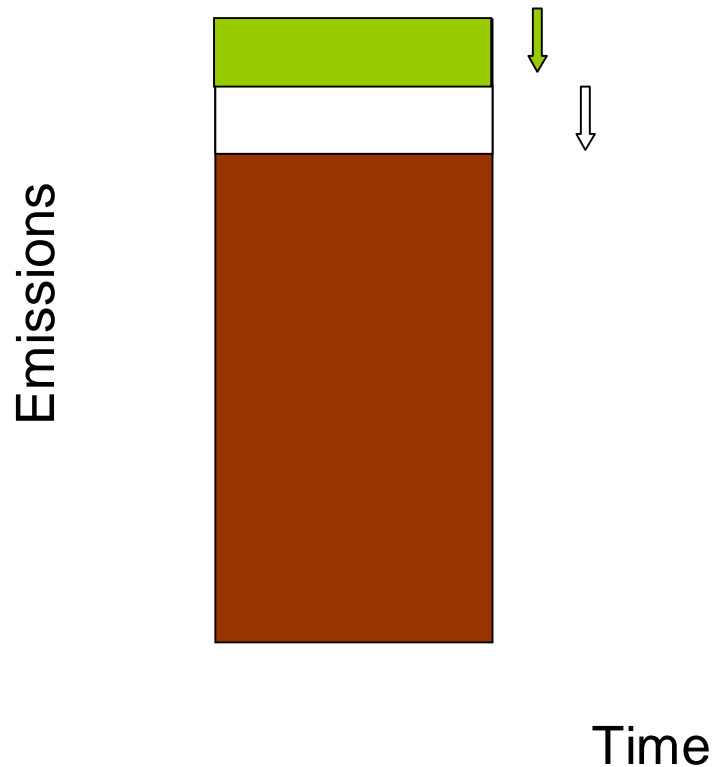
Cap-and-Trade: No Accounting for Changing Circumstances



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Stringent Cap-and-Trade: Accounting for Changing Circumstances & the Contribution of Renewables and Efficiency



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EU Legislation

- Directive 2009/28/EC on **the Promotion of Renewable Energies** in the internal market
- Article 4 requires Member States to submit **national renewable energy action plans**. Plans needed to be prepared based on a specific template published by the Commission,
- Plans should be **detailed roadmaps** of how each Member State expects to reach its legally binding 2020 target
- Member States must set out
 - the **sectoral targets**,
 - the **technology mix** they expect to use,
 - the **trajectory** they will follow and
 - the **measures and reforms** they will undertake to overcome the barriers to developing renewable energy.

There are still the old bottlenecks:

- Lack of Ambition
- Lack of administrative knowledge and trust in RES
- Administrative barriers
- Tax regime discrimination
- Grid constraints
- Low support in some MSs
- Technology basket restricted
- Lack of information and knowledge
- Access to data weak and unreliable
- Stop and Go policies

20% RES until 2020 is a First Step

- The ultimate goal: **avoid the cost of climate change** impacts: 5-20% of global GDP (Stern)
- EU must come close to **0% of baseline emissions by 2050**
- Large scale **innovation** in the energy sector
- First mover advantage, aiming for **technological leadership** in low carbon technology
- Significant **energy efficiency** improvements
- **Energy security**: reduction of oil and gas import of €50 billion per year (at \$61 per barrel of oil)
- Reduced air pollution giving significant **health benefits**
- Reduced need for air pollution control measures: €11 billion per year in 2020
- Closing the worldwide energy gap in 2020 calls for min. ~5TW of Renewables (IPCC)

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Thank you for listening!

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