



International  
Energy Agency

# Energy Technology Perspectives

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*Energy Systems workshop 2011, Paris*



# Energy Technology Perspectives

- our most ambitious project on technology

*Identify efficient pathways to a low carbon energy system.*

*Identify and assess policy options that can bring about the necessary changes.*

*Provide near term guidance, based on long term analysis.*

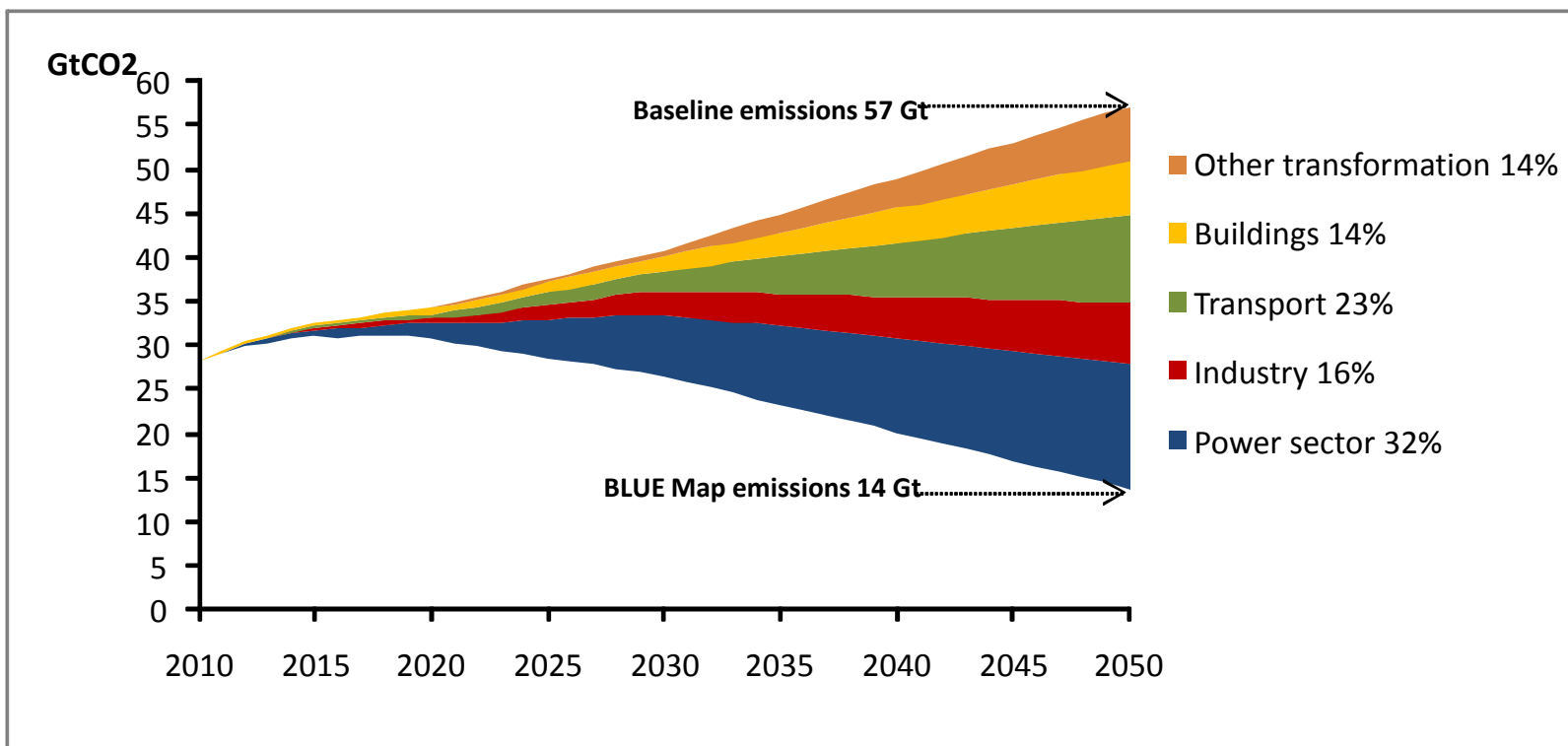
# Priorities in ETP 2012

- **More detailed look at next decade– how can we break out of carbon lock-in?**
- **Energy systems – what are the synergies?**
- **Can renewables make up for low nuclear/slow CCS?**
- **Extended outlook – can we reach zero energy-related emissions?**
- **The changing role of fossil technologies**
- **More regional results – technology projections for 10 key countries and regions**

# Why this workshop?

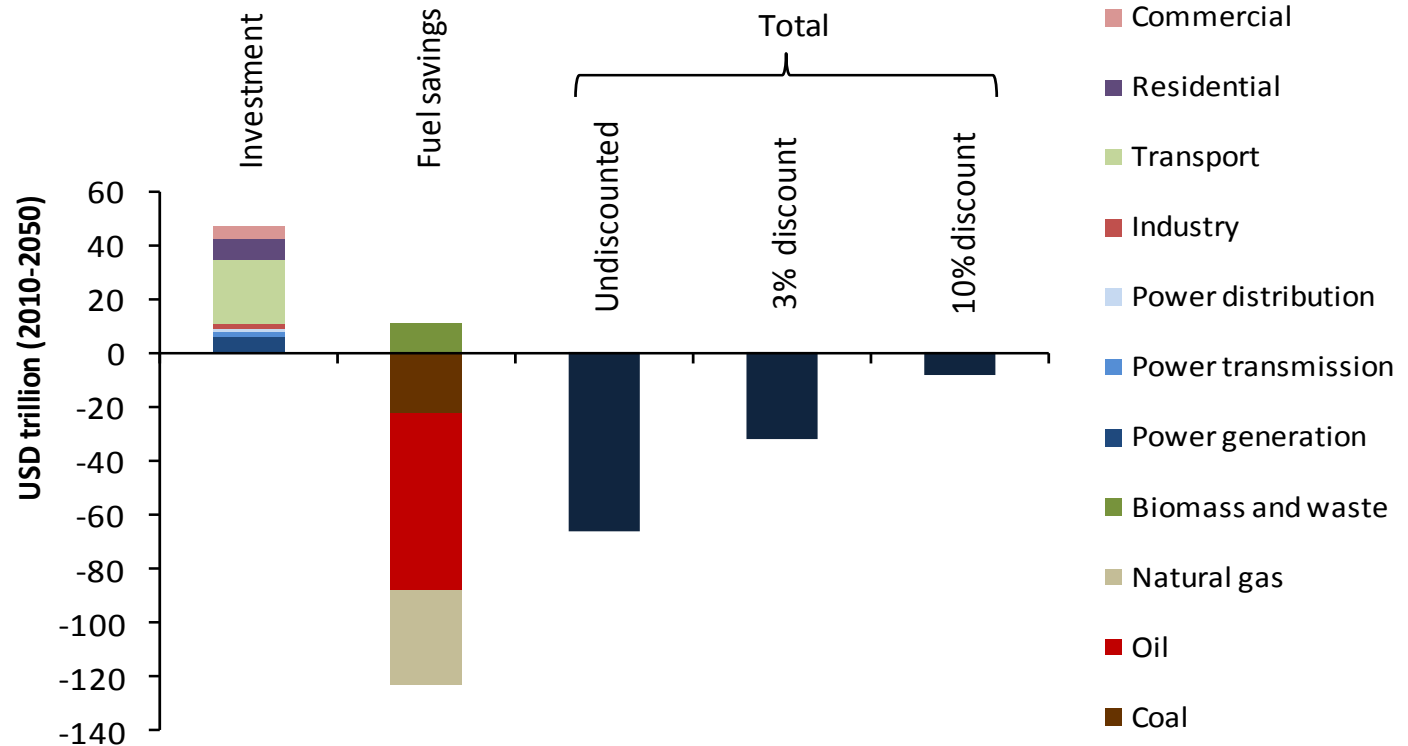
- Discuss central system linkages and opportunities
- Give guidance to IEA work
- Input to ETP 2012

# All sectors must contribute



IEA ETP 2010

# A low carbon future is cost effective



Even using a 10% discount rate, fuel savings in the BLUE Map scenario more than offset the additional investment required.

# The Book in 2012

- **Scenarios**
- **Status, vision and tools**
  - ◆ progress tracking
  - ◆ technology policy
  - ◆ finance
- **Energy Systems feature**
  - ◆ heating and cooling
  - ◆ flexible electricity
  - ◆ hydrogen
- **Technology spotlights**
  - ◆ coal, gas, CCS
- **Regional detail**
  - ◆ BRICs, EU 27, US, ASEAN



# ETP 2012, timeline

- **March – May: Scoping**
- **May – July: Model development**
- **August - November: Modeling, analysis and drafting**
- **November-January: Analysis, writing and revisions**
- **February-March: External review**
- **April- May: Finalisation**
- **June: Launch**
- **June/July: Road show**