

# Business perspectives to climate policy and Cleantech Finland

Tellervo Kylä-Harakka-Ruonala  
Director, Confederation of Finnish Industries EK

Climate & Cleantech Finland,  
Copenhagen and beyond  
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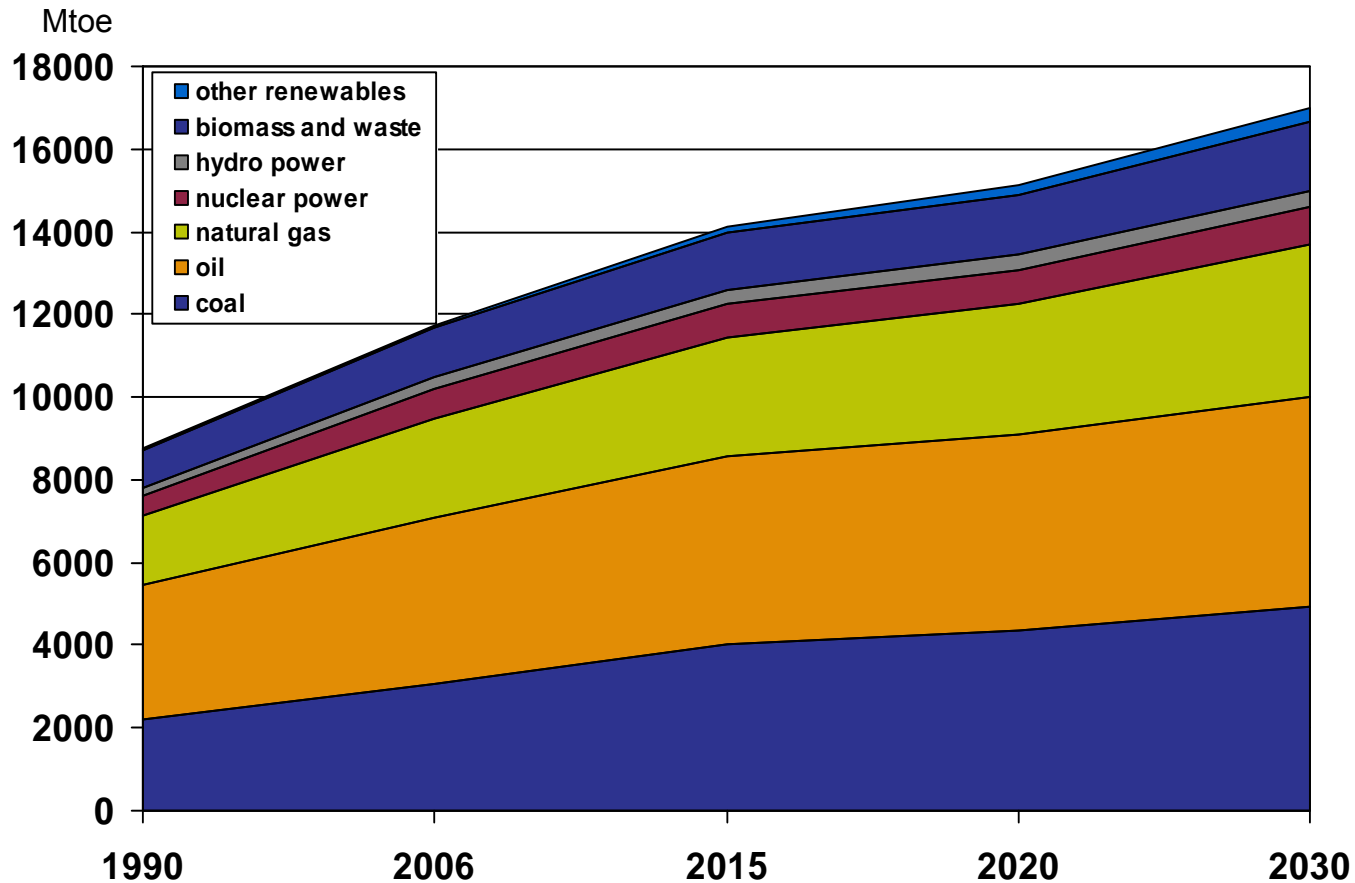
# Economic growth and climate change - a double challenge

Paradox between the global economy and climate challenge?

- Downturn makes climate policy targets easier to obtain
- Upswing in the economy increases emissions and extends climate challenge

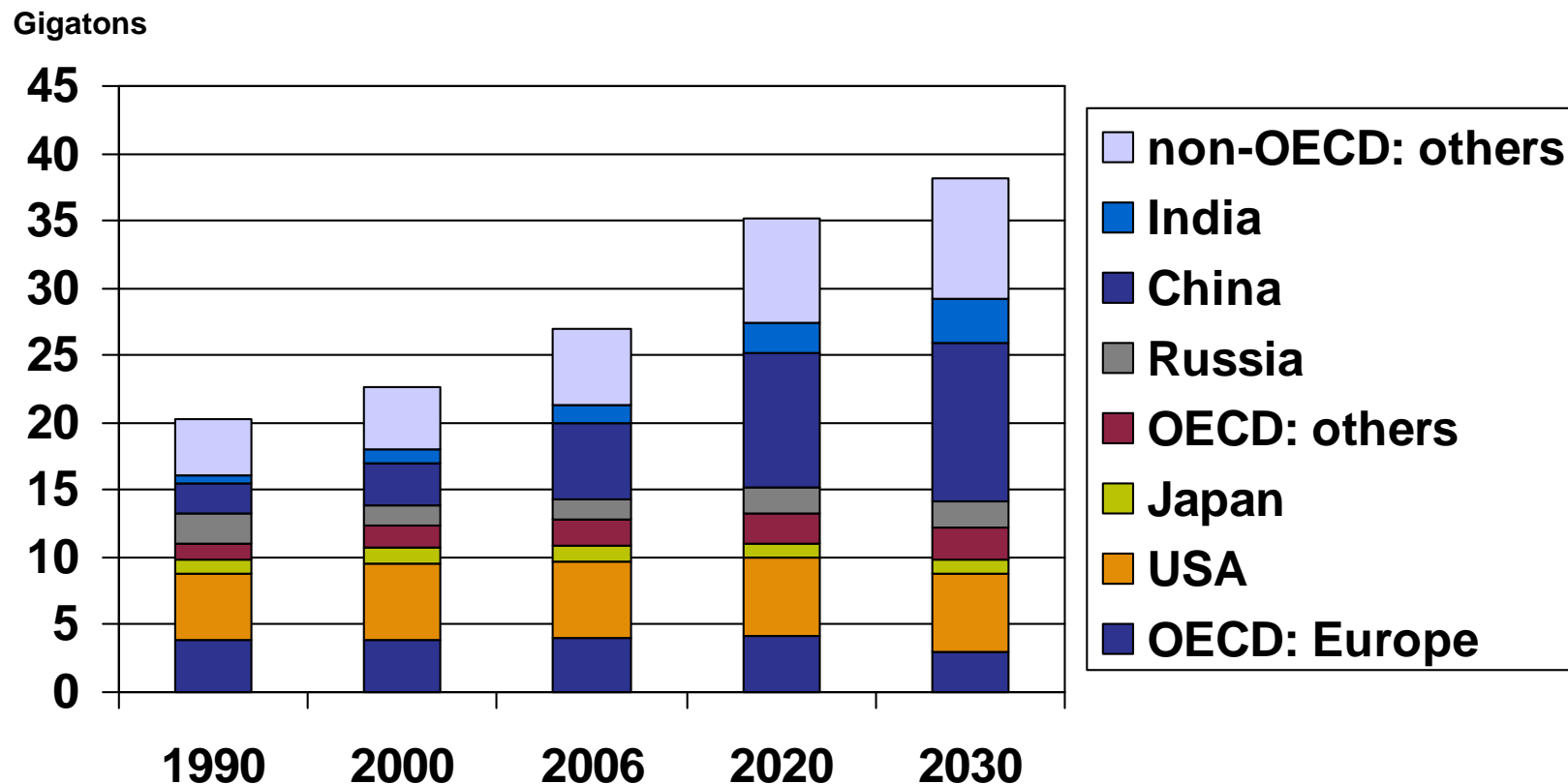


# Global primary energy demand by source



Source: IEA World Energy Outlook 2008, reference scenario

# Energy-related carbon dioxide emissions per region (excluding aviation and maritime transport)



Source: World Energy Outlook 2008, reference scenario

# The basic challenge of energy and climate policies

How to safeguard the security of energy supply,  
and ensure reasonable and competitive costs,  
as well as efficient climate change mitigation  
at the same time?



# The key answer is a comprehensive and encouraging climate deal

- All countries in the world should be committed
- Companies competing in the same global markets should have the same level of requirements
- Efficiency, a good level of performance and a low level of emissions should be rewarded
- Market-based technology transfer should be promoted



# Successful climate policy can result in a triple-win situation

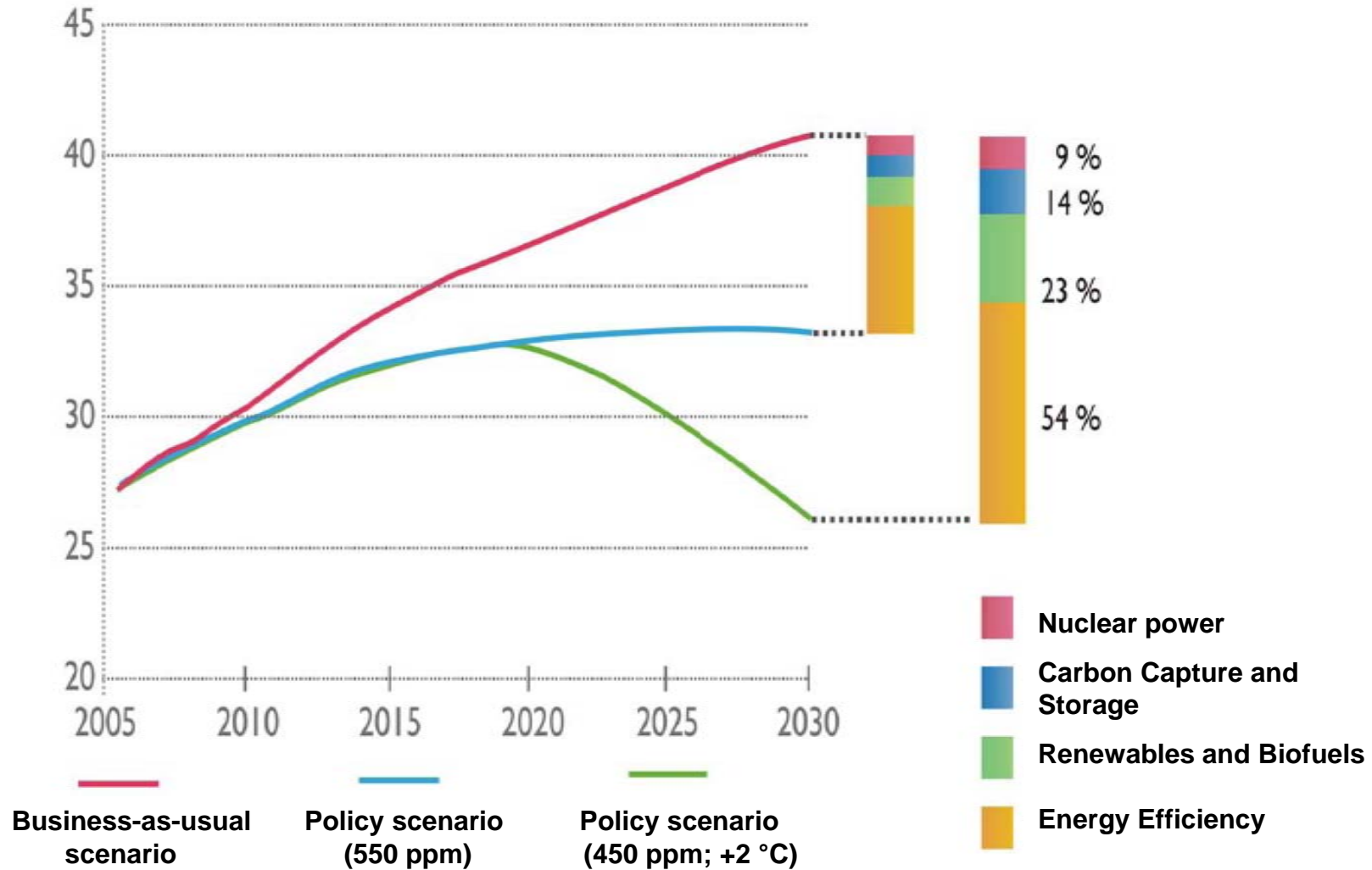
WIN 1: Effective global emission reductions

WIN 2: A level playing field for companies globally

WIN 3: Growing markets for clean technology



# Means to reach greenhouse gas reduction targets globally



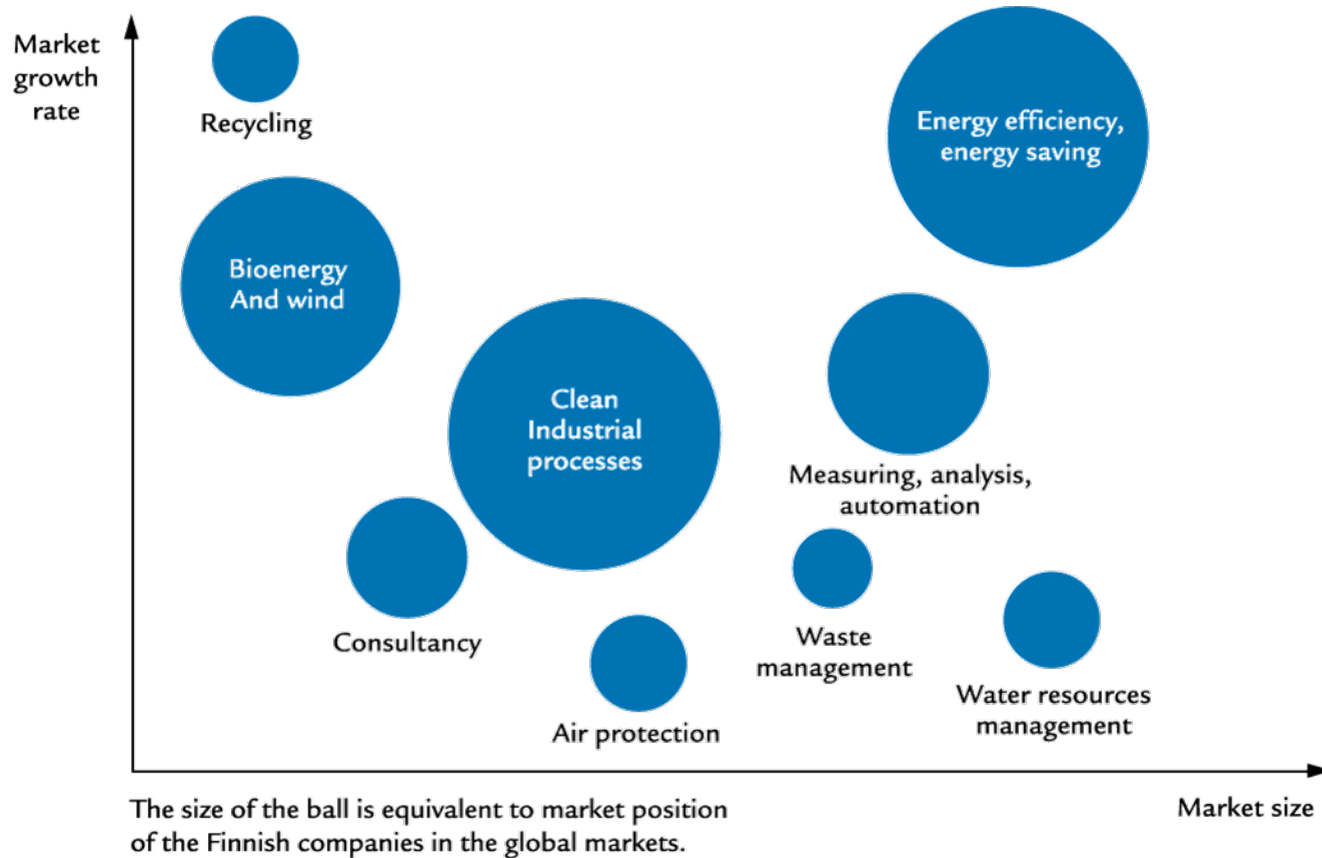
Source: OECD/IEA 2009, IEA World Energy Outlook 2008



# Finnish response to climate and energy challenges is two-fold

1. Decreasing domestic emissions through
  - efficient use of energy
  - CO<sub>2</sub>-free energy sources and efficient electricity production
    - renewable energy, nuclear power, CHP
2. Providing solutions globally, e.g.
  - energy efficient industrial processes and equipment
  - energy production technologies

# Cleantech Finland competences and markets



Source: Finpro

# The three pillars of Cleantech Finland

- Cleantech Finland R&D&I
  - **Strategic Centres for Science, Technology and Innovation**
- Cleantech Finland Business Forum
  - **Domestic network of cleantech companies and stakeholders**
- Cleantech Finland Brand®
  - **Pure Agility:**  
**Finland as a leading cleantech country in selected markets and target groups**



# Conclusions

- Technology, innovation and prosperous companies are the key to meeting the economic, energy and climate challenges
  - Energy efficiency and low-carbon energy production are Finnish strengths that enable emissions reductions at home and provide solutions globally
  - A climate deal that ensures a level playing field for companies and encourages technology development and dissemination is essential
- This would promote economic growth and emissions reductions at the same time

