



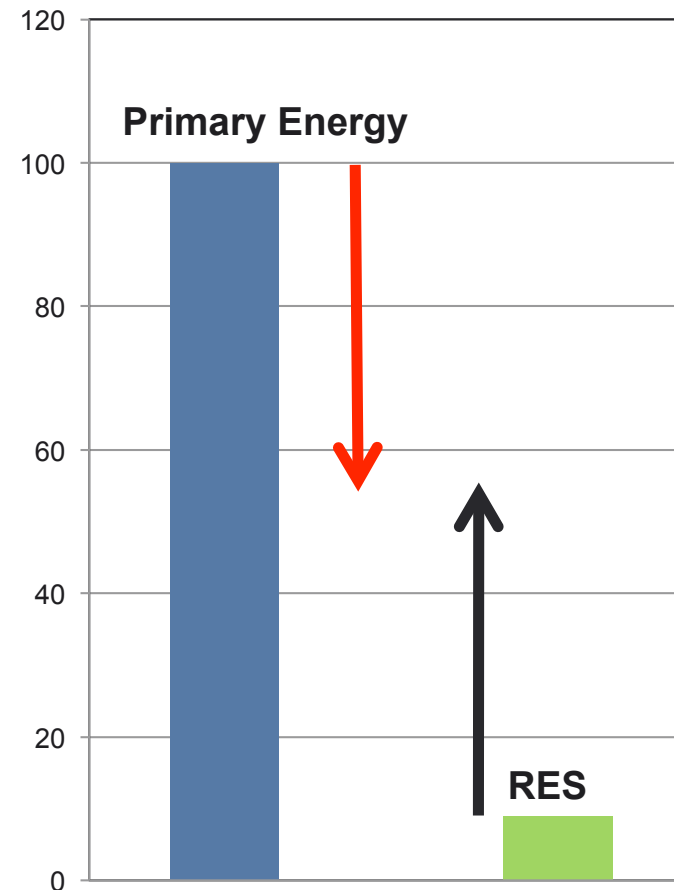
Europe's energy efficiency challenges

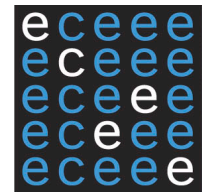
Peter Bach, ecee President

ecee Summer Study 2011

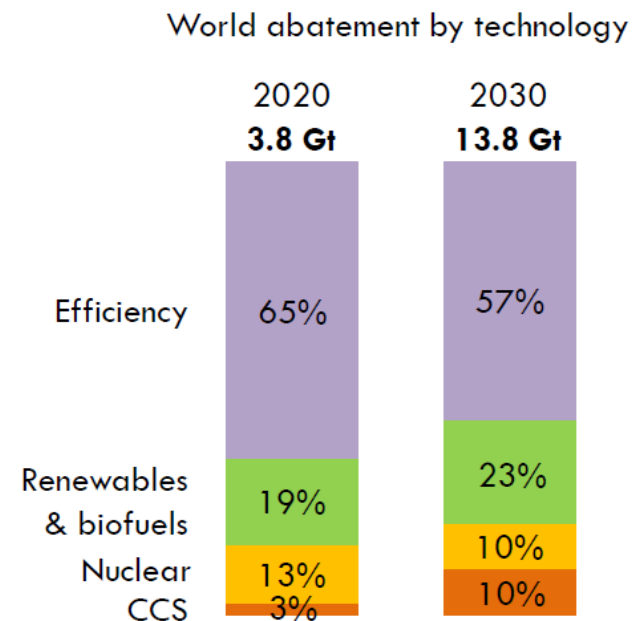
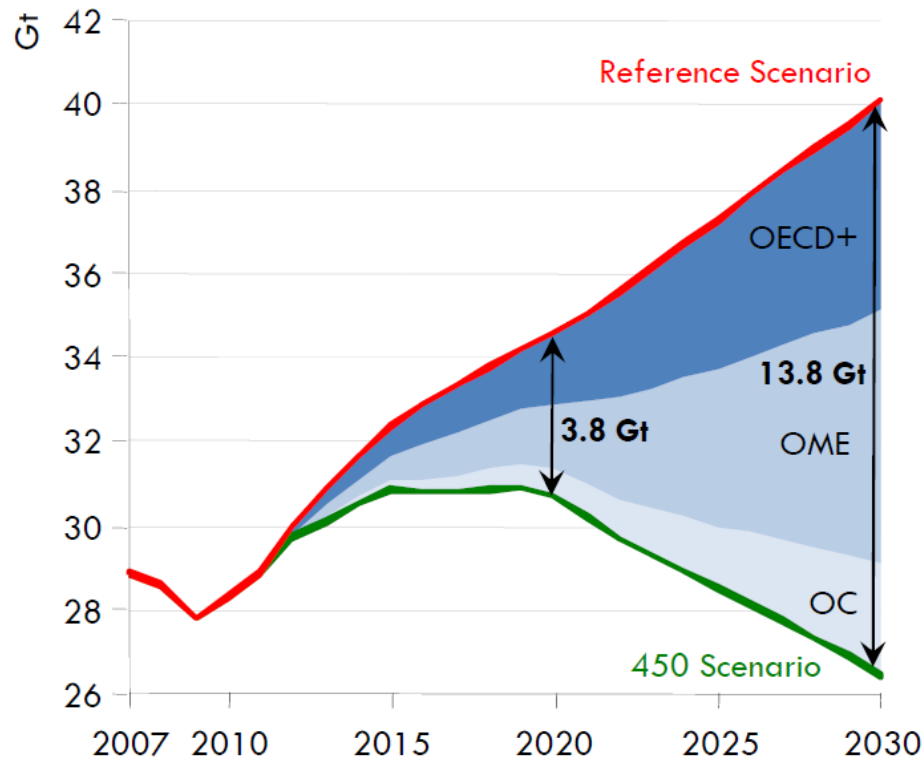
Challenges

- 80-95 pct. reduction of EU's GHG in 2050
 - No emissions from fossil fuels
- Energy security
 - Scarce resources
 - Also biomass
- Competitiveness
 - Increasing energy prices

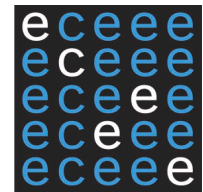




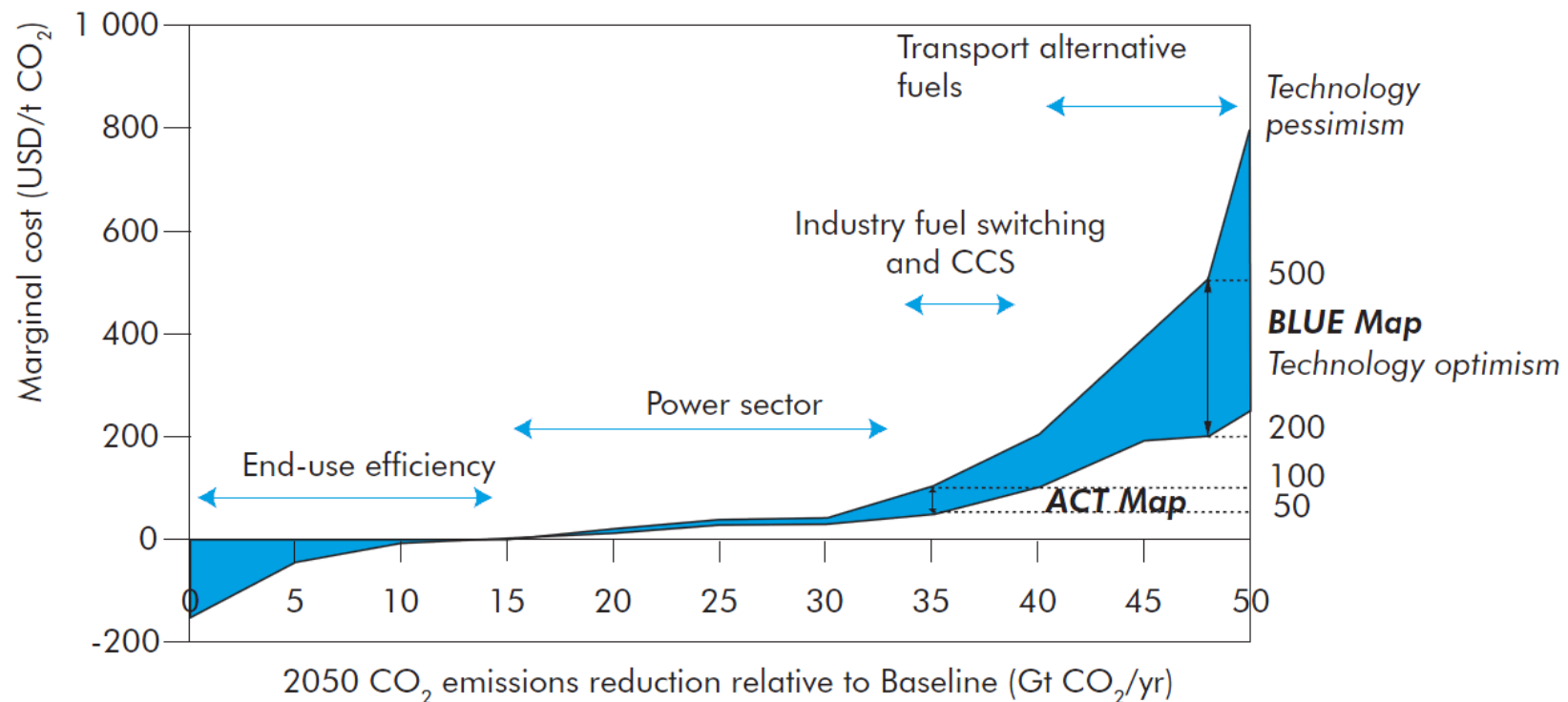
Energy efficiency – the main solution



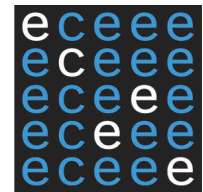
Source: IEA WEO2009



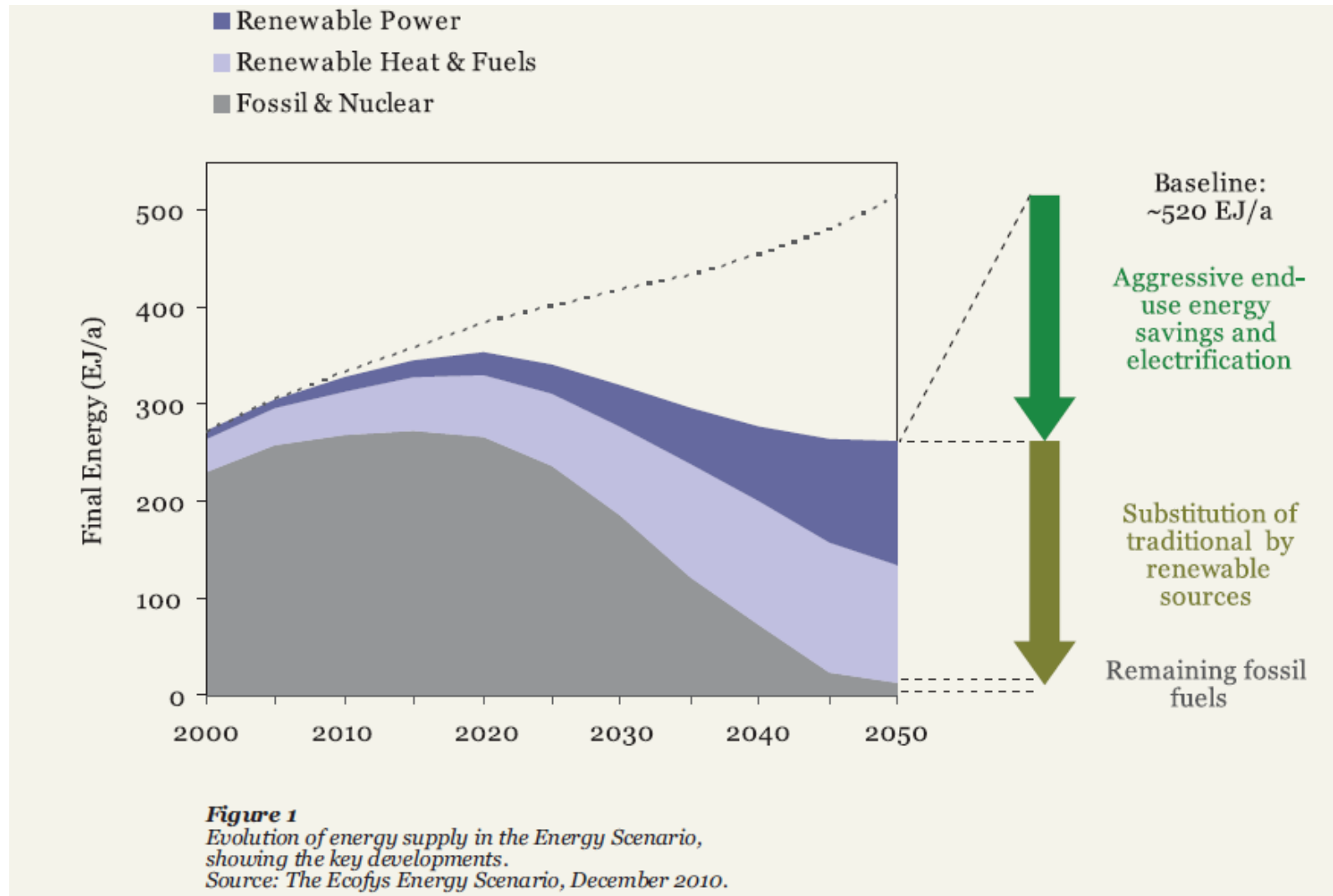
Energy Efficiency – the cheap solution



Source: IEA Energy Technology Perspective 2009



End-use energy efficiency first

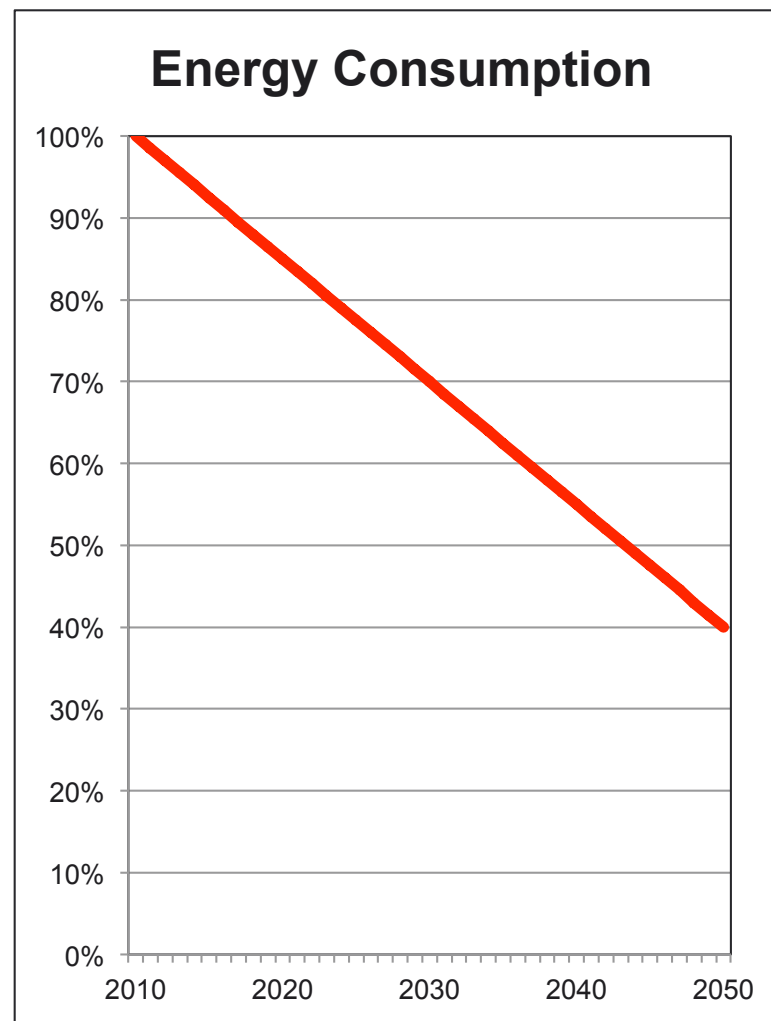
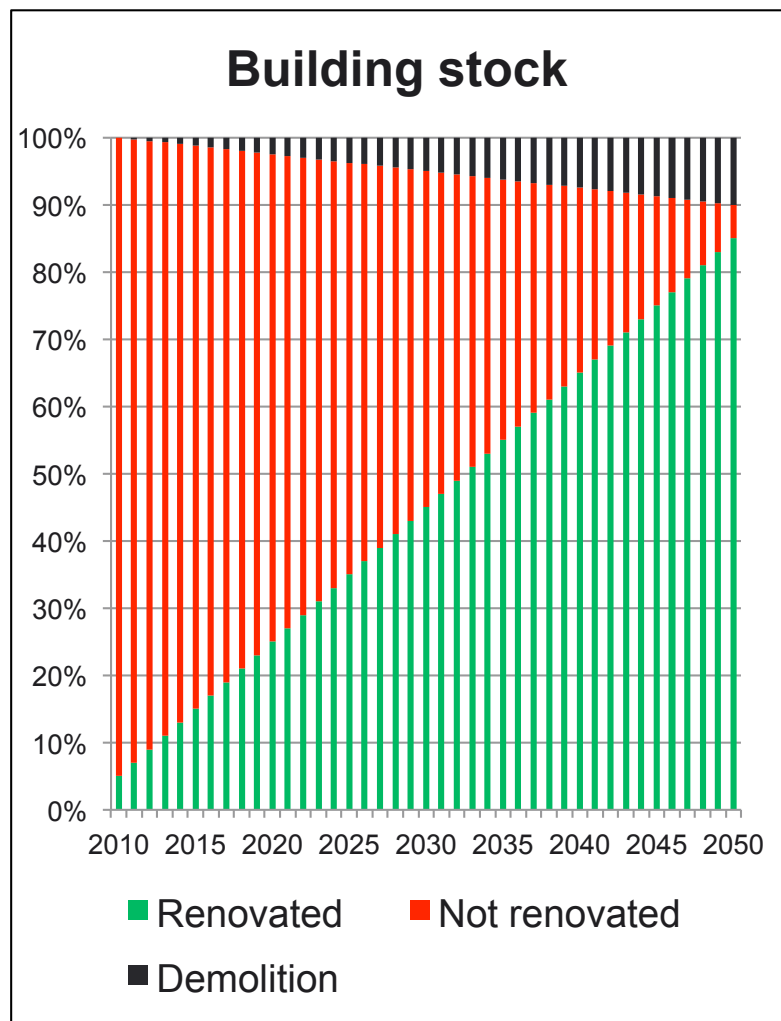


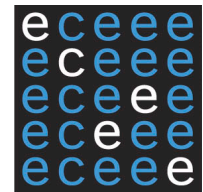


Need to act now!

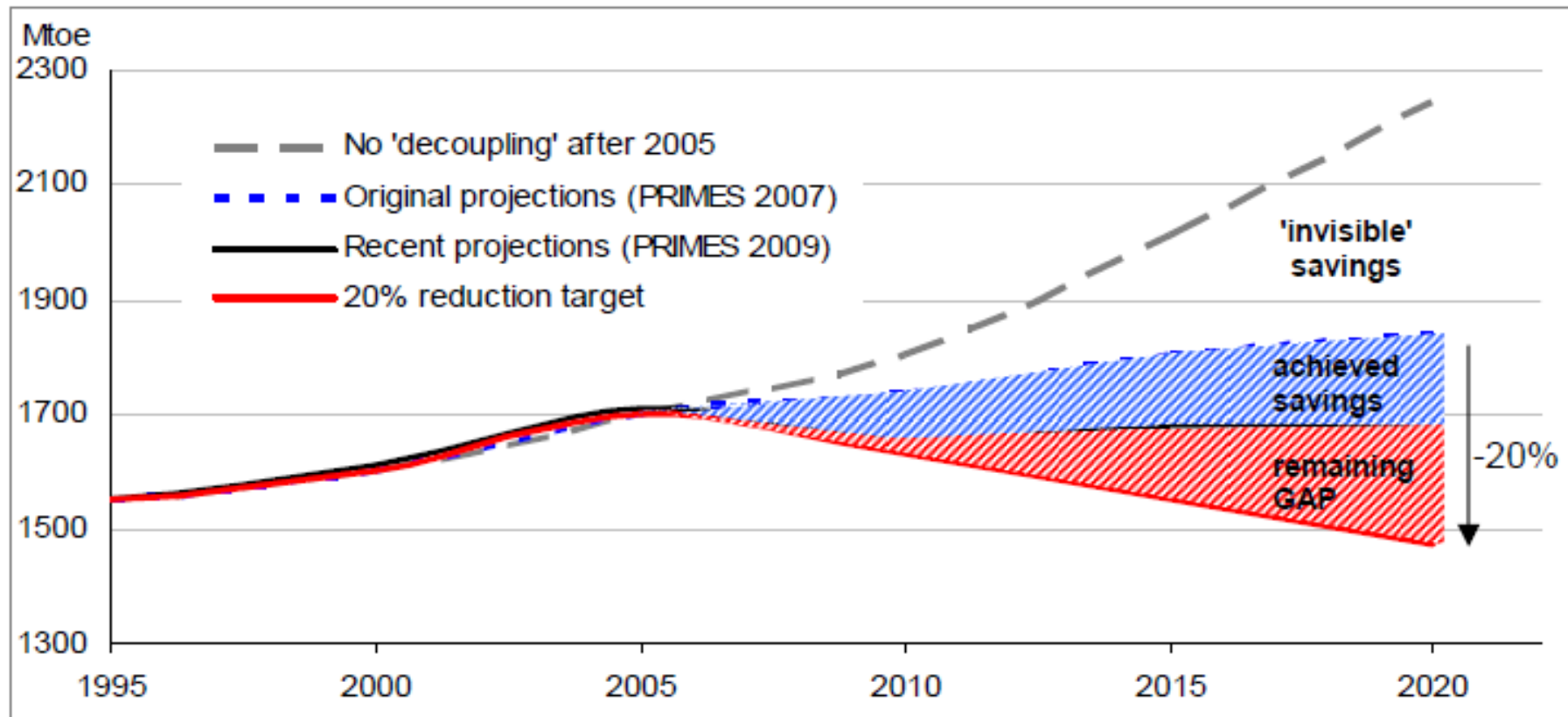
- Meet the 2020 targets
 - 2020 is not far away
- 2020 targets is only first step
 - What we do today shall be seen in the long-term perspective
 - Deep renovations – not cream skimming
- More expensive to wait
 - EE best and cheapest as part of normal renovations and investments
- Long-life time of energy systems
 - Especially buildings

Deep renovations of all buildings





EU not on track





Action – what is needed?

- The market will not deliver enough!
- Action at EU or national level?
 - Common EU action: Bigger and cheaper savings
 - EU shall puss member states
 - Flexibility for member states is needed
- Target or measures
 - We need both
- What kind of measures?



Measures: Combinations of...

- Taxes on energy and CO2
 - Incentives to reduce consumption
- Efficiency obligations, standards, norms, etc.
 - Both at international and national level
 - Especial buildings and products – and cars, etc.
- Campaigns, market transformation, voluntary agreements, etc.
 - Good examples
- Help to implementation of savings
 - Subsidies, obligations, etc
 - Especial existing buildings and private enterprises



Existing EU directives and plans

- EPBD – recast in 2010:
 - Big step forward for new buildings
 - Weak on existing buildings
- Eco-design and labelling:
 - EE requirements have been set for several products
 - More is needed – ambitious and dynamic
 - Labelling?
- ESD:
 - A weak directive
 - NEEAP's
- The Energy Efficiency Plan



New energy efficiency directive - 1

- Import to keep focus on end-use EE
 - Consumption has to be reduced
 - Separate goal for final energy or end-use sectors
- Energy saving obligation for utilities
 - A secure and stable financing system
 - National schemes – cross-border trade is too complex at this stage
 - EU target for annual savings
 - Focus on high-quality saving – saving with long lifetime
 - Additionalite is a difficult problem
 - Cost recovery is important



New energy efficiency directive - 2

- The public sector
 - Has to show the way
 - Deep renovation of buildings
 - Only purchase products, services and buildings with the highest energy efficiency standards
 - Ambitious targets have to be set
- Industry
 - Energy management and energy audit
 - Secure the use of BAT
- Metering and billing
 - Give the consumer relevant information



We also need....

- Higher minimum taxes on energy
 - The actual proposal is a small step forwards
- An ambitious time-table for eco-design requirements
 - More products, updating of the existing
- Stronger requirements for existing buildings
 - Deep renovation
 - Financing is important
- More efficient transport
 - A very important area



Mandatory targets

- Targets are a strong instrument if they are mandatory for member states
- Have to keep the pressure for binding targets
 - A proposal have to be developed
 - Easy to understand
 - Easy to measure and to follow progress – based on Eurostat data
 - A target for reduction of final energy consumption compared to a base year seems to be the best solution
 - Sharing between member states?



Conclusions

- End-use energy efficiency first
 - Do it right – deep renovations
- Important to meet the 2020 EE target
 - But it is only the first step
- New strong common EU measures is needed
- The new EE directive is very important
 - The proposal from the Commission
 - The negotiations in Council and Parliament
 - We all have a role to play