



The second Strategic European Energy Review

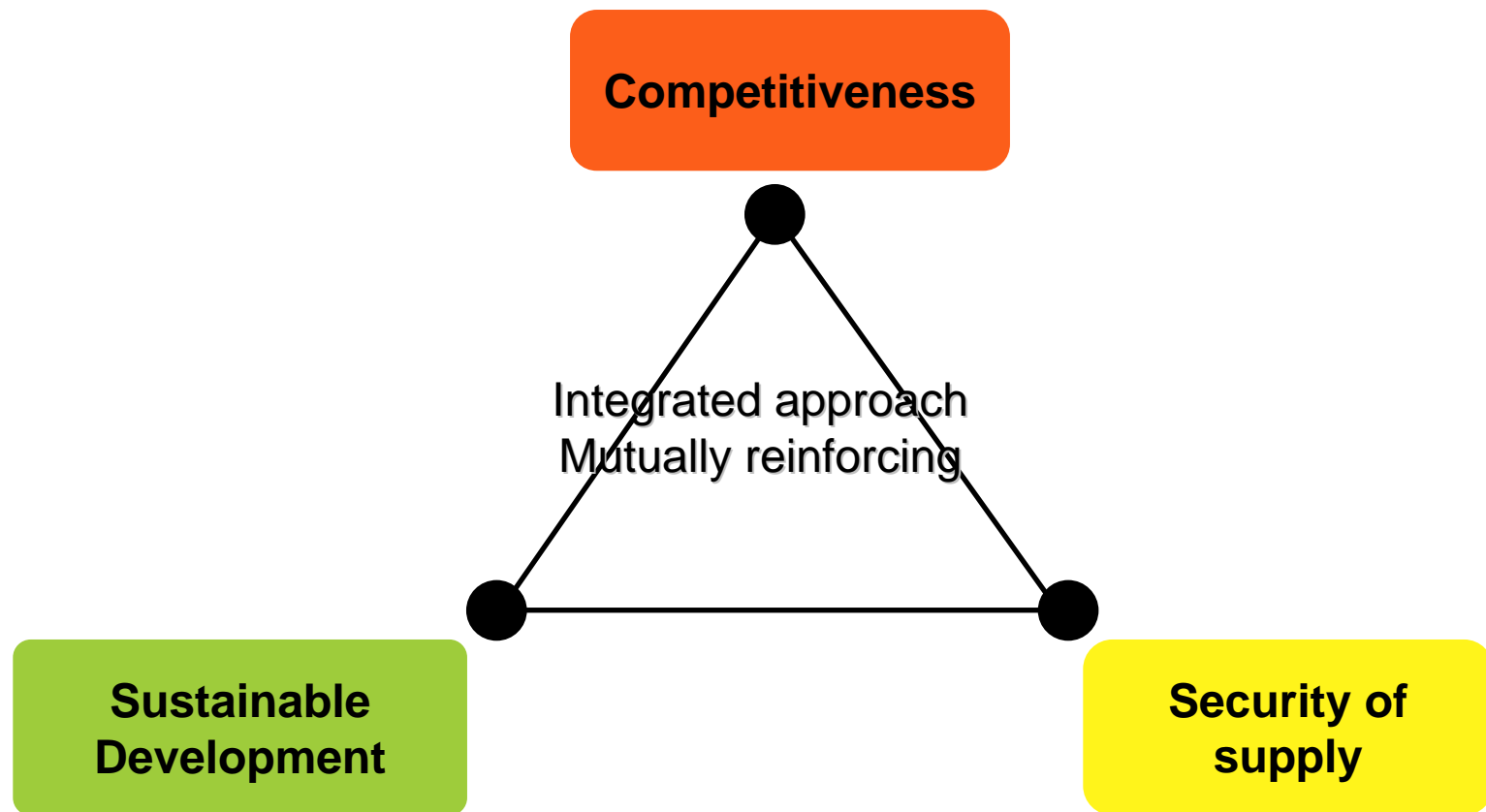
An EU Energy Security and Solidarity Action Plan

Jean-Arnold Vinois
Head of Unit “Energy policy and security of supply”
European Commission

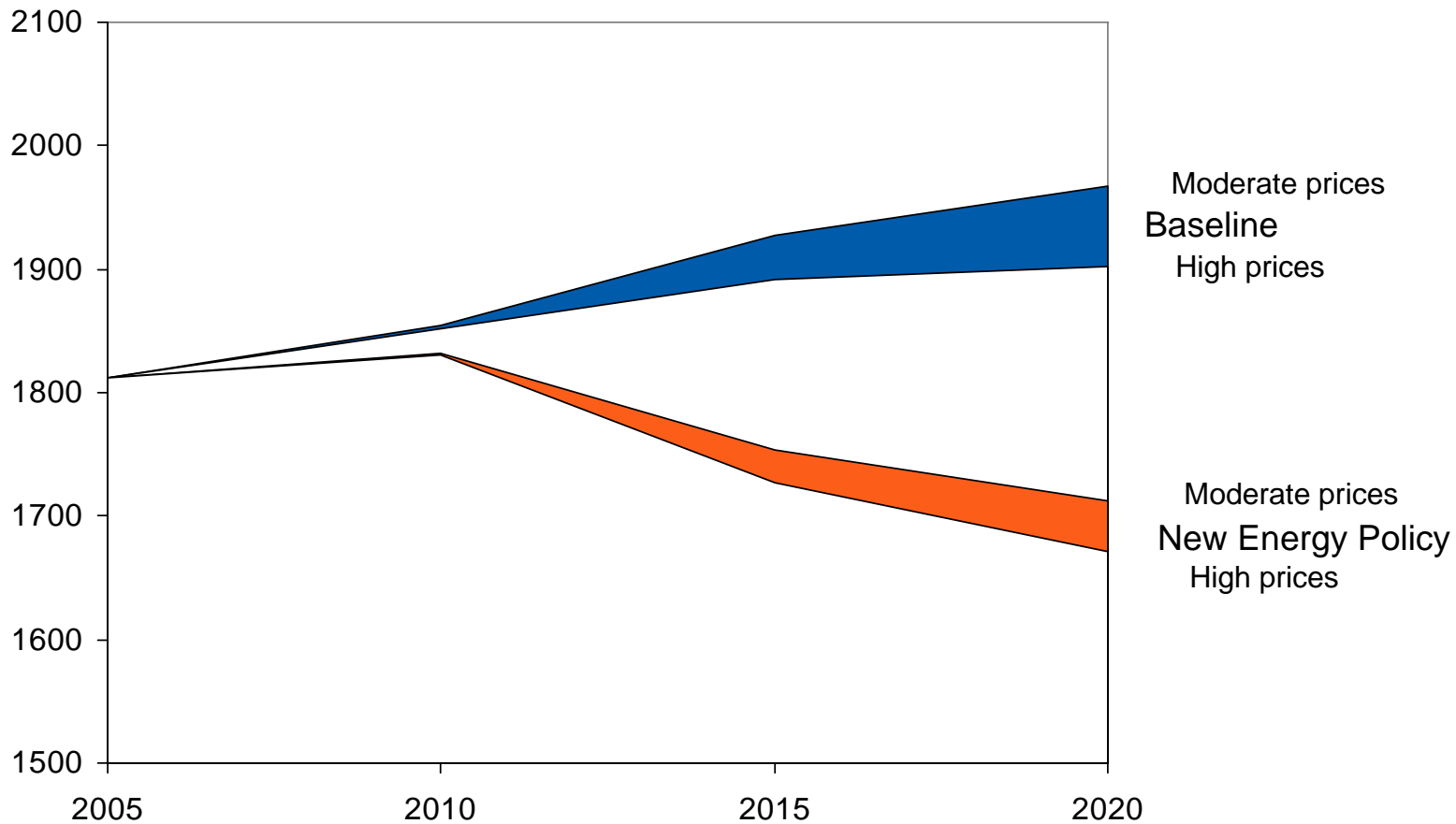
United Nations Economic Commission for Europe
Special session: Strategic alliances for Energy Security



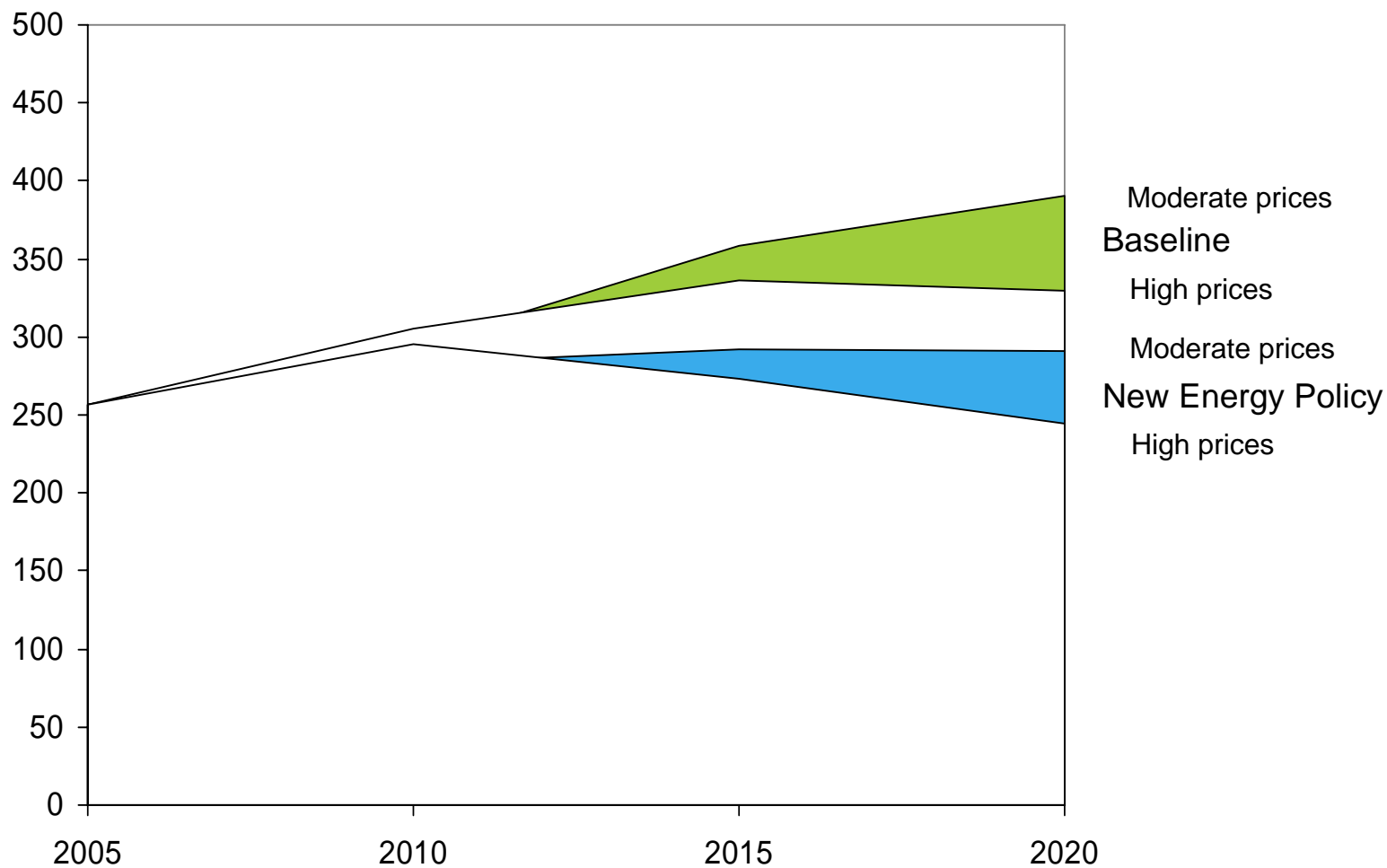
- 2nd SER – focus on **energy security** - new political momentum to develop a **European approach** – completes 1st SER



Primary energy consumption (Mtoe)



Net imports of gas (Mtoe)

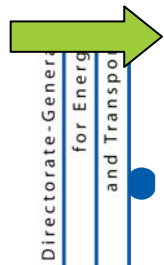


2nd SER – main messages

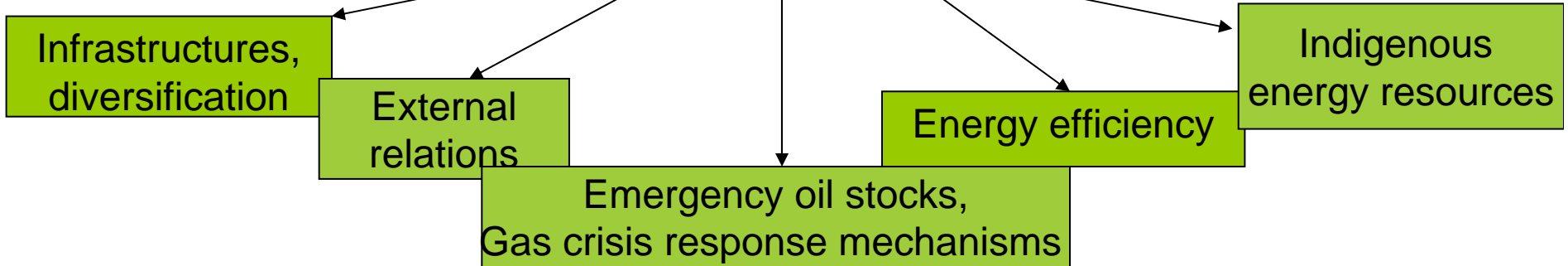
- From a **long term** energy security viewpoint, the **20-20-20 strategy** is the right direction to go in
- In the **short to medium** term, to prevent and manage supply crises
 - Europe's market and solidarity can diminish vulnerability
 - internationally, combined forces can be better than dispersed national actions

EU Energy Security and Solidarity Action Plan

- Need to start looking beyond 2020 to **2050**



EU ENERGY SECURITY AND SOLIDARITY ACTION PLAN



Supporting analyses:

"Europe's current and future energy position: demand, resources, investment"

| | | | |
|-----------------------------------|--|--|--|
| Green Paper on EU energy networks | Proposal to revise oil stocks Directive | Communication on energy efficiency | Update of nuclear indicative programme |
| TEN-E 2002-6 | Communication on gas supply security Directive | Proposals to revise Directives on energy performance of buildings, energy labelling, new Directive on labelling of tyres | |
| Assessment of oil infrastructures | | Communication on CHP, guidelines for implementation of Directive | |
| Communication on offshore wind | | | |



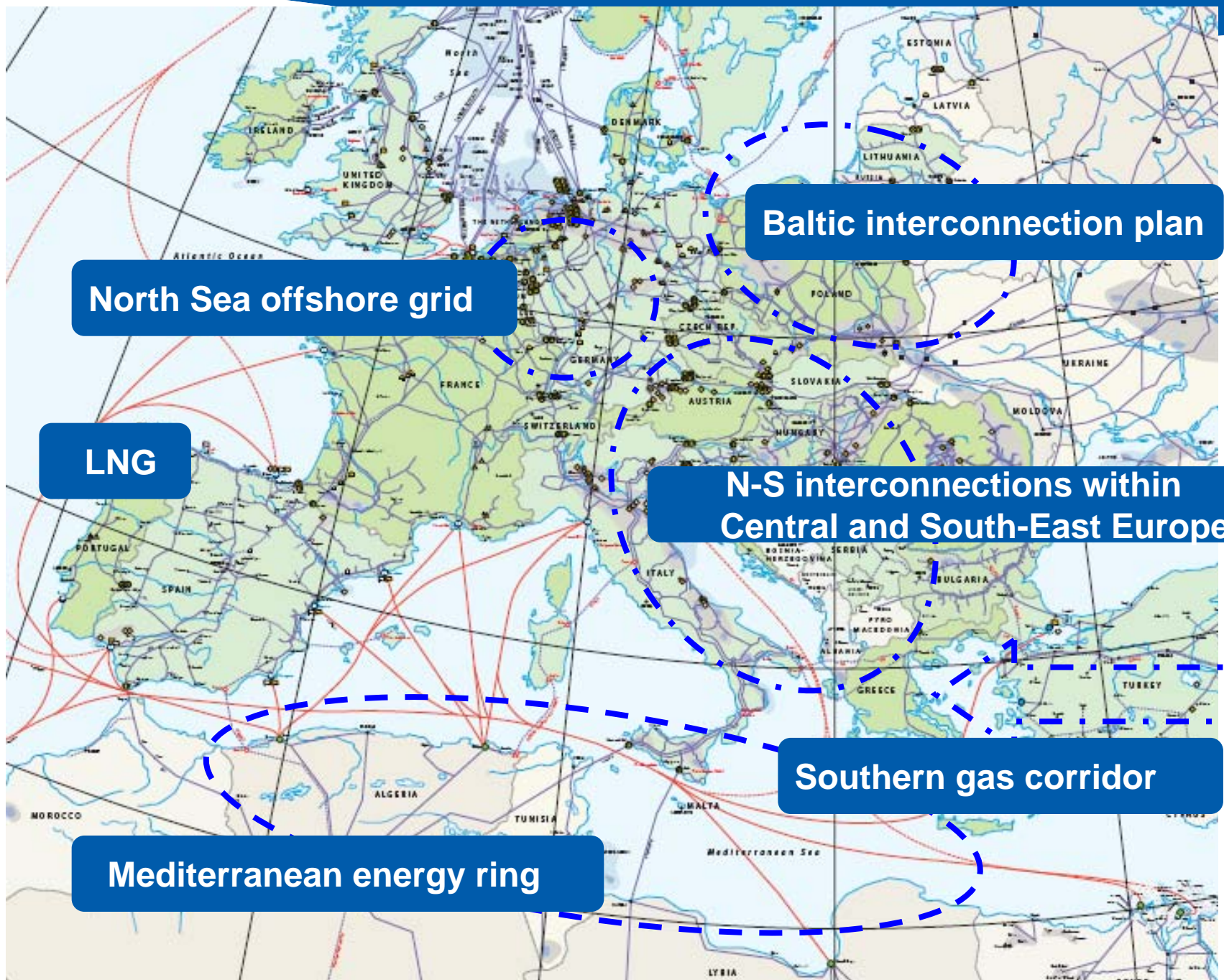
● Infrastructure needs and the diversification of energy supplies

Proposed energy security priorities:

- Baltic Interconnection Plan
- Southern gas corridor
- Liquefied natural gas
- Mediterranean energy ring
- North-South interconnections within Central and South-East Europe
- North Sea offshore grid

Green Paper on European energy networks,
including idea of an EU Energy Security and
Infrastructure Instrument





North Sea offshore grid

LNG

Baltic interconnection plan

N-S interconnections within
Central and South-East Europe

Southern gas corridor

Mediterranean energy ring

- External energy relations
 - **Common interest** in EU energy security growing
 - Mechanisms for transparency among EU, MS and development of common messages to be put forward
 - Positive message to partners – **energy interdependence** increasing, all gain from more cooperation and robust international legal frameworks
 - Solidarity with neighbours via Energy Community, European Economic Area
 - Cooperation on energy consumption, energy efficiency, climate protection, nuclear safety



- Oil emergency stocks and gas crisis response mechanisms
 - Oil – proposal to revise EU **emergency stocks** legislation
 - Includes publishing aggregated **commercial oil stocks** on weekly basis
 - Commission to consult with a view to proposing a revised **Security of Gas Supply Directive** in 2010
 - Greater harmonisation of security of supply standards and predefined emergency measures at regional and EU levels needed
 - Obligatory strategic gas stocks? - more effective options may be available

● Energy efficiency

- 2008 Energy Efficiency package focused on buildings and products, cogeneration
- Sustainable Energy Financing Initiative, jointly with EIB; Covenant of Mayors an important instrument
- 2008 Communication on Greening of Transport
- Green Tax package to be presented
- International Partnership on Energy Efficiency Cooperation to be used
- 2006 Energy Efficiency Action Plan to be evaluated in 2009, with view to new Plan



Making the best use of the EU's indigenous energy resources

- Clear objective for **renewables**, the EU's greatest potential source of indigenous energy.
- Technology is crucial; next step in the Strategic Energy Technology Plan to be a **Communication on Financing Low Carbon Technologies**; including ways to support large scale demonstrations at EU level, of CCS ia; long-term use of **coal** requires highly-efficient plants and wide availability of CCS
- Berlin Fossil Fuel Forum to look at measures needed for cost-effective and environmentally-compatible access to indigenous EU **fossil fuels**.
- Revised proposal for Community framework for **nuclear** safety to be presented

- Europe preparing its energy future now
 - Eu's 2020 agenda set out **first steps** in transition to high-efficiency, low-carbon energy systems
 - Deep structural changes, radical technological shifts require **choices today**
 - Wide consultation on possible longer-term policy **objectives** eg decarbonising electricity supply by 2050
 - **Roadmap** towards a 2050 Energy Policy to be prepared, in SET-Plan framework

