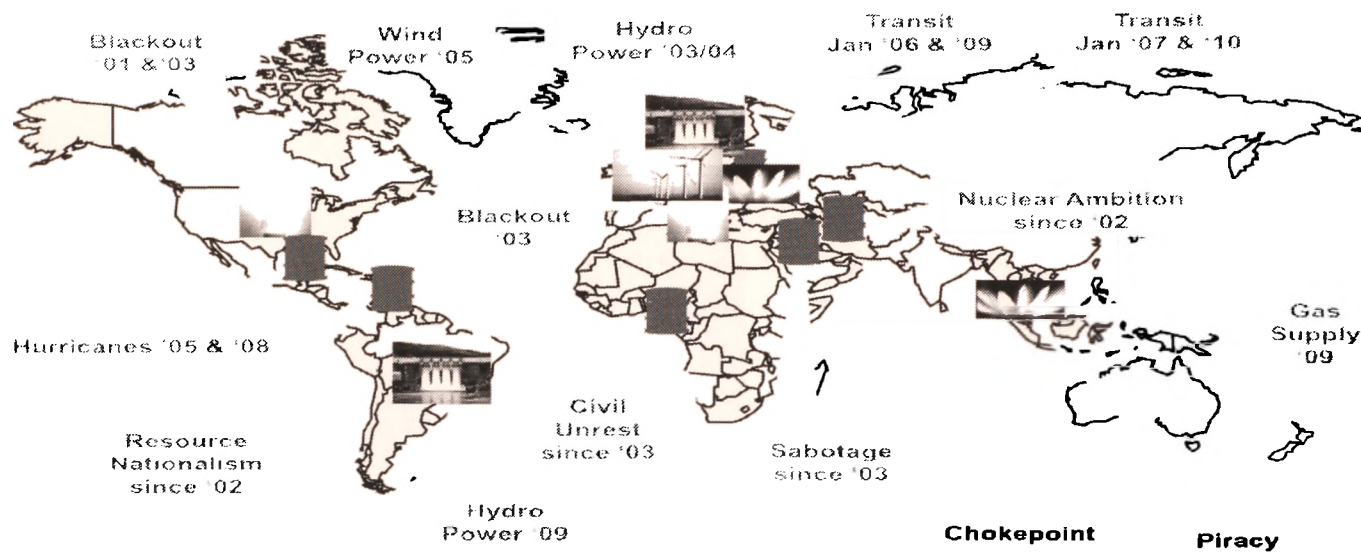


SECURITY OF ENERGY SUPPLY IN SOUTH EAST EUROPE

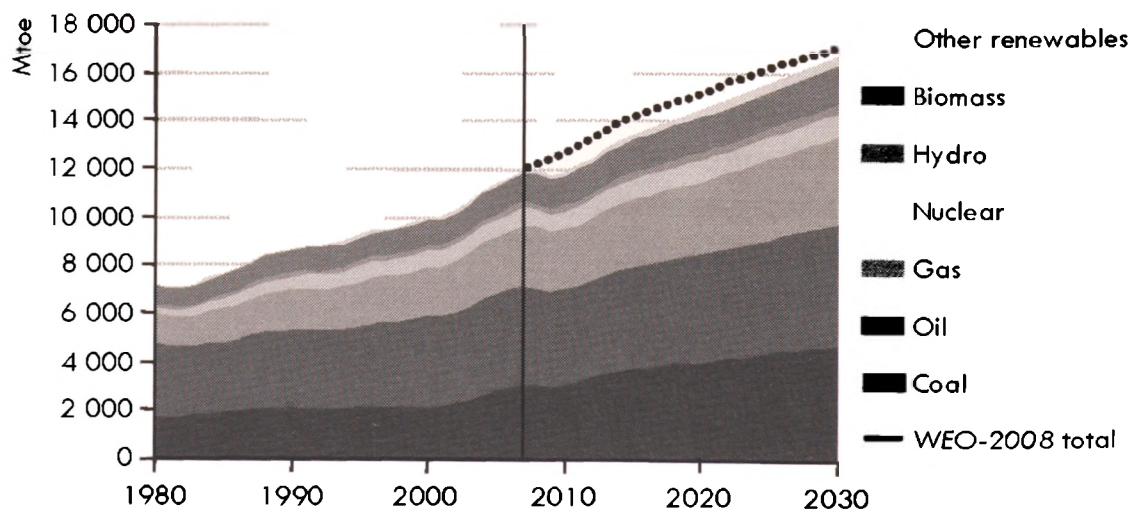
By Nobuo TANAKA

Executive Director, International Energy Agency

Energy security remains key and the concept has broadened



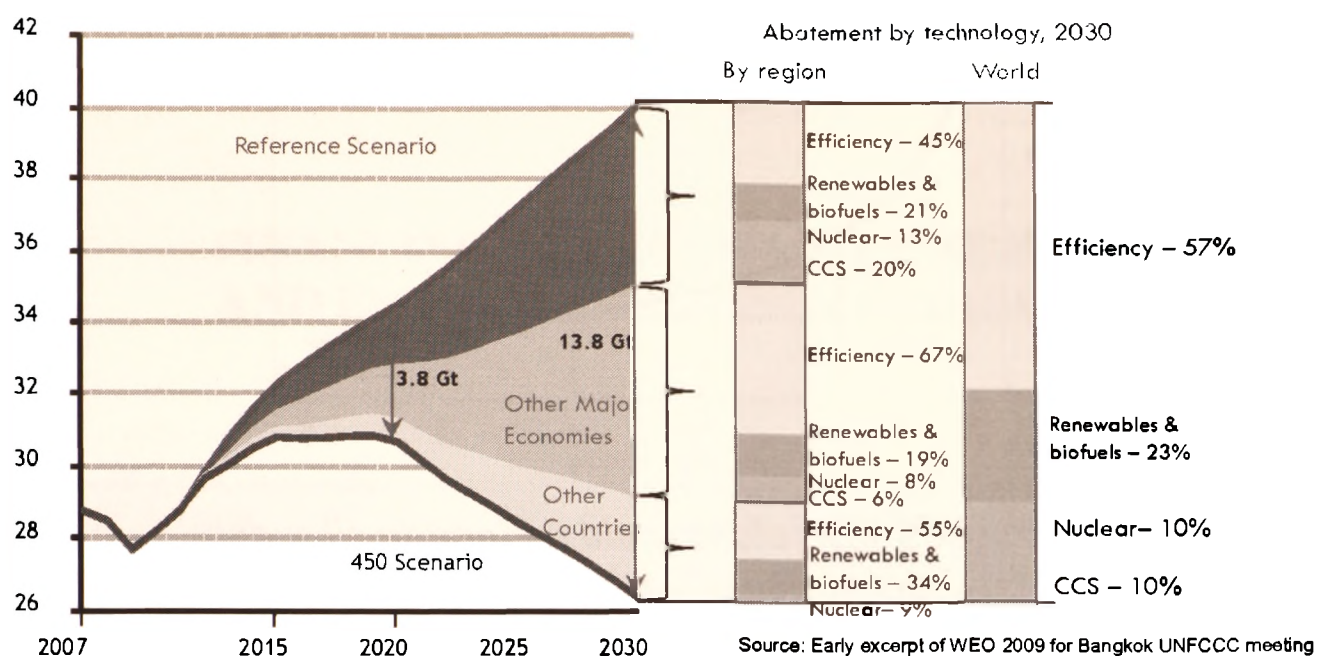
World primary energy demand in the Reference Scenario



Source: World Energy Outlook 2009

Global energy demand grows by average 1.5% p.a. to 2030;  
22% more oil, 42% more gas, 53% more coal than today

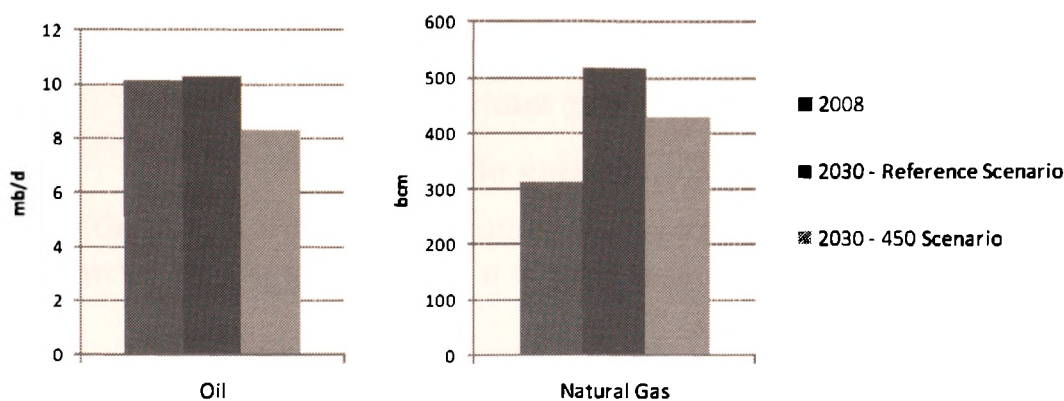
## A sustainable energy future: the «450 Scenario»



**Efficiency measures account for 2/3 of the 3.8Gt abatement in 2020. Renewables contribute 20%. With substantial abatement potential outside the OECD+ region, financing will hold a key to the energy sector meeting a 450 ppm trajectory.**

Source: World Energy Outlook, IEA 2009

## European Union oil and gas net imports



Source: World Energy Outlook 2009

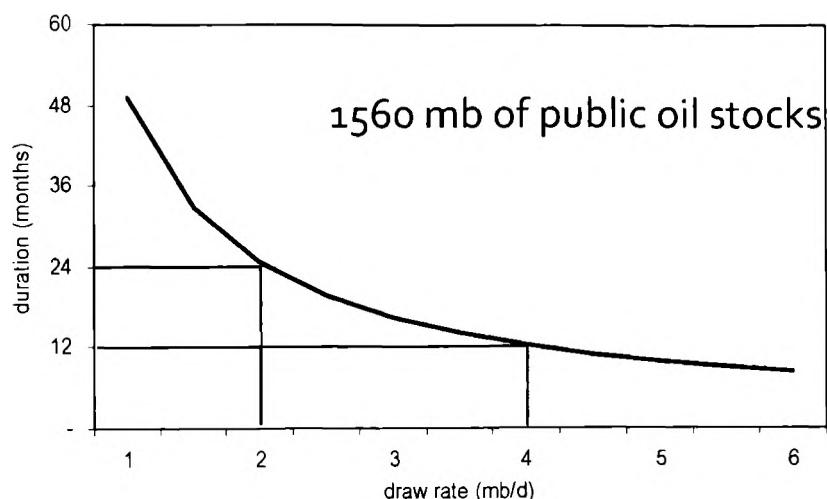
**Even in 450 Scenario, Europe's oil net imports will be over 8 mb/d; gas net imports +100 bcm more than currently**

## Enhancing energy security

- Better control of demand through energy efficiency
- Diversity of supply
  - Types and sources of energy, means of transmission and delivery, flexibility (reversibility) Diverse routes of delivery
- Regional cooperation, interconnectivity
  - Open and Transparent market
  - Speaking with one voice
- Adequate and timely investment

**And short-term, emergency response measures when a crisis hits...**

### Public oil stocks: A clear safety net



***IEA Public Stocks alone could replace an oil supply disruption of 4 mb/d for 1 year***

### Natural gas response policy

*Oil response measures not directly transferrable*

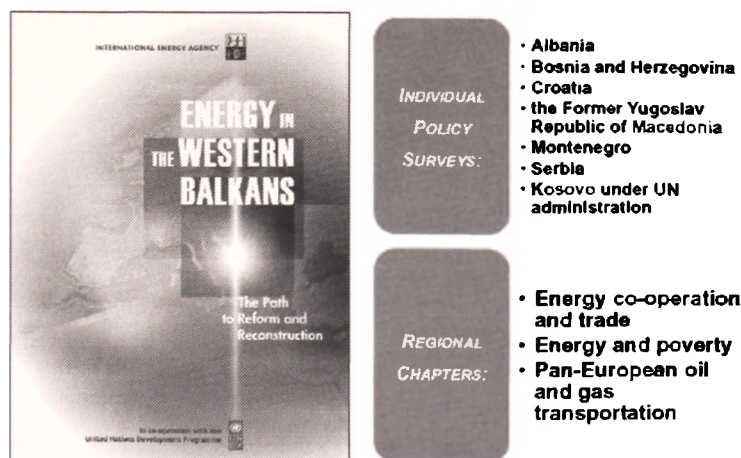
- Gas stocks are an important buffer in crisis
  - But expensive, and not all countries have suitable geology
- Fuel switchability
  - Alternative sources, such as emergency oil stocks
- Carefully crafted demand side policies

***As agreed by IEA ministers last October, the IEA will take a strong role in improving natural gas security***

### Concluding observations

- We face a *formidable challenge* to meet energy needs in a sustainable and secure way:
  - *Regional and global cooperation* are a must to greater *diversity and flexibility* of energy sources and routes
  - *Cooperation in SE Europe*, among other regions, is key
  - Even with more diversity and flexibility, we must *still prepare* for the risk of *supply disruptions*
- Addressing sustainability concerns can also improve energy security

### Annex. IEA engagement in the region



*IEA Review of Energy in Western Balkans (2008) one example of the Agency's commitment to engagement in the region*