



INTERNATIONAL ENERGY AGENCY



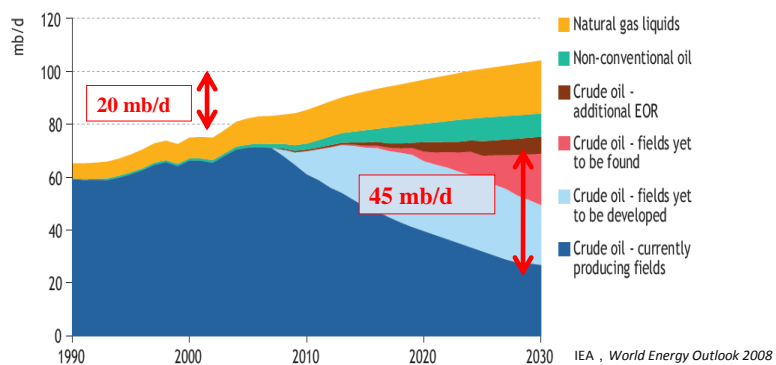
International Energy Co-operation and Global Energy Security

Mr. Christopher Segar
Directorate for Global Energy Dialogue
International Energy Agency

Bratislava, 6 July 2009

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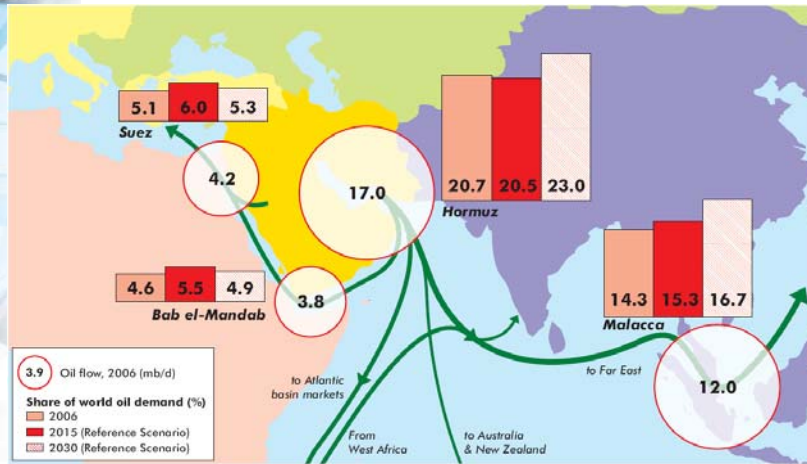
World oil production by source in the Reference Scenario



**Just to maintain the current level of production, gross additions of 45 mb/d,
or four times the current capacity of Saudi Arabia, will be needed from 2007 to 2030**

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Oil export flows from the Middle East and major strategic maritime channels



Source: WEO 2008, Reference Scenario

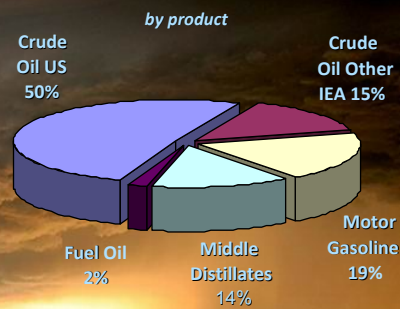
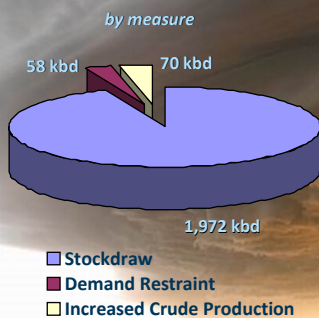
IEA Response to Hurricane Katrina



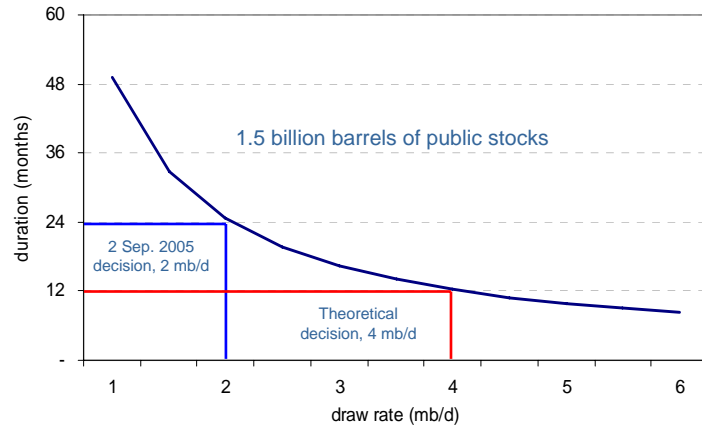
2,100 kbd

Total IEA Initial Response

Total IEA Stock Release



Public Stocks: A Clear Safety Net

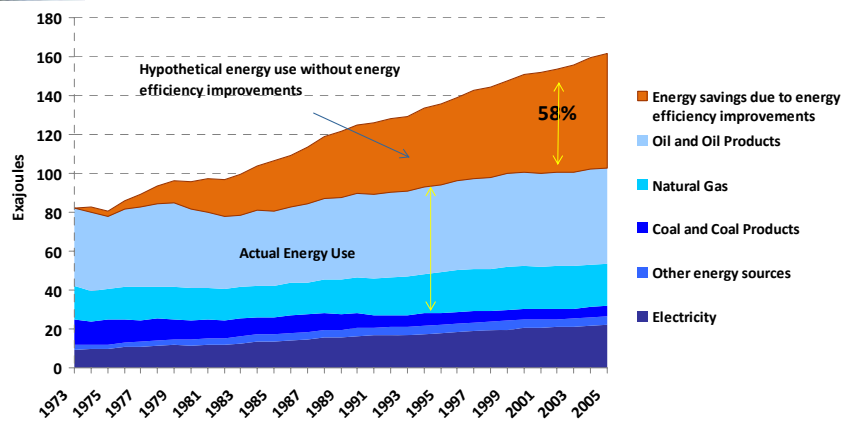


IEA Public Stocks alone could replace an oil supply disruption of 4 mb/d for 1 year



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Energy efficiency is the most important "fuel"



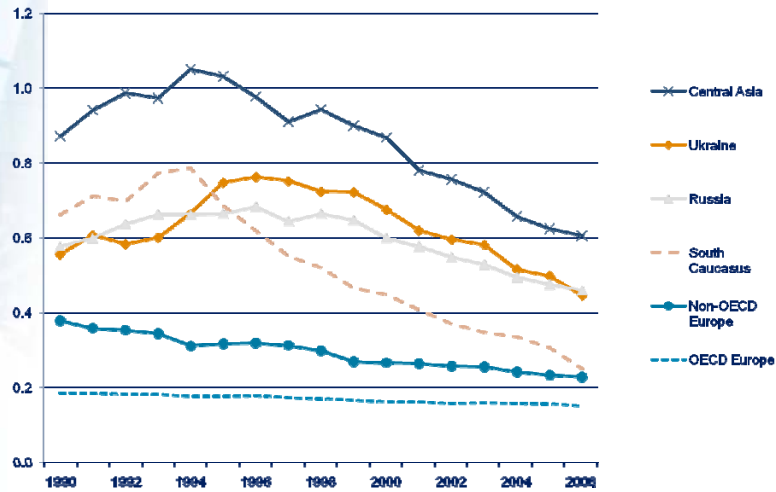
Without energy efficiency improvements, total energy use would have been 58% higher in 2005 than it actually was



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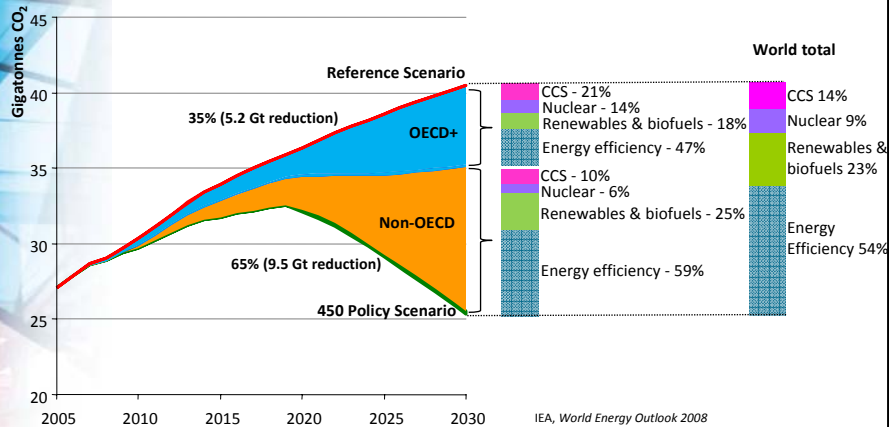
.. and a major challenge for Eurasia

Energy intensity, tonne of oil equivalent per USD 1000 of GDP (PPP) 1990-2006



35th Anniversary
IEA
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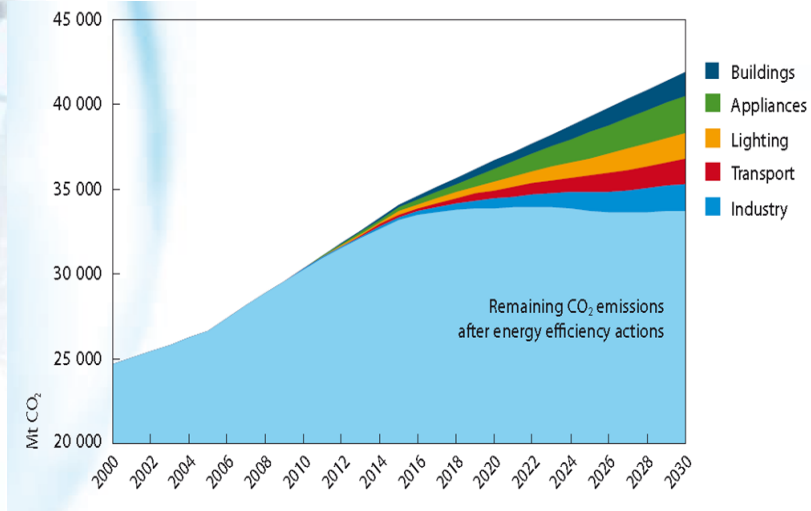
Reductions in energy-related CO₂ in the 450 Policy Scenario



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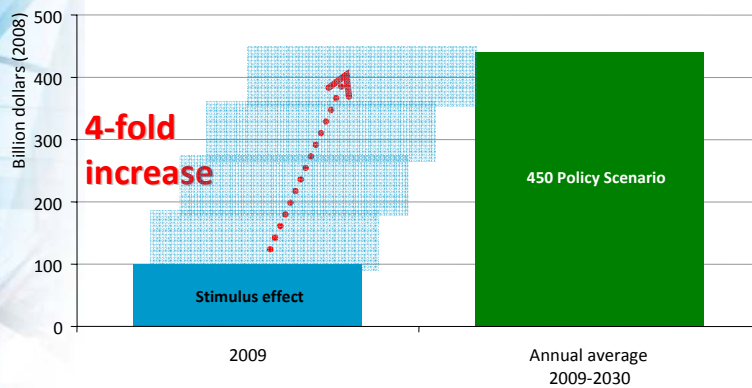
OECD and non-OECD countries must work towards reducing CO₂ emissions
Energy efficiency plays a key role for both OECD and non-OECD countries

CO₂ savings potential



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Incremental investment in the low-carbon sector



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To achieve the 450 Policy Scenario, governments would need to increase funds committed to the low-carbon energy sector 4-fold relative to their recent stimulus package

Summary

- **International energy collaboration** enhances energy security
- **Energy efficiency measures** also help to ensure energy security
- **Energy efficiency and clean energy technologies** can help **mitigate climate change**
- The **economic & financial crisis** has sharply reduced global investment all the way down the energy supply chain, from production to end use
- **The crisis is an opportunity** to place a **Clean Energy New Deal** at the heart of economic stimulus packages globally. Long-term clean energy strategies must be at the heart of these packages.

