

Carbon Sequestration Leadership Forum
23-25 June 2003

The Role of Sequestration in Emerging Economies

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EME's – definitions

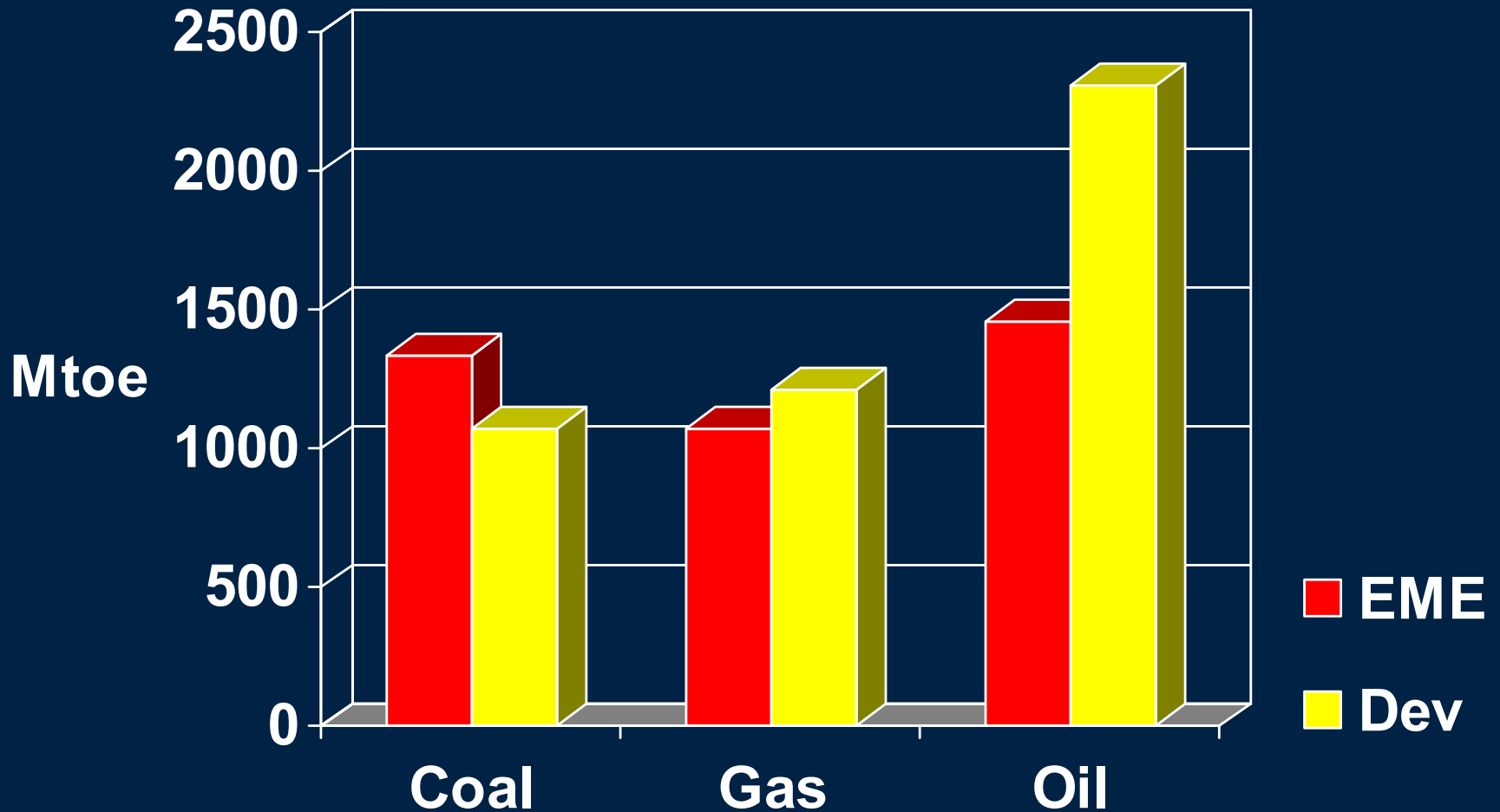
BP Statistical Review of World energy

South and Central America, Africa,
Middle East, Non-OECD Asia and non-
OECD Europe

IEA

Developed, Developing and Transition economies

World fossil fuel consumption 2002



World fossil fuel consumption 2001

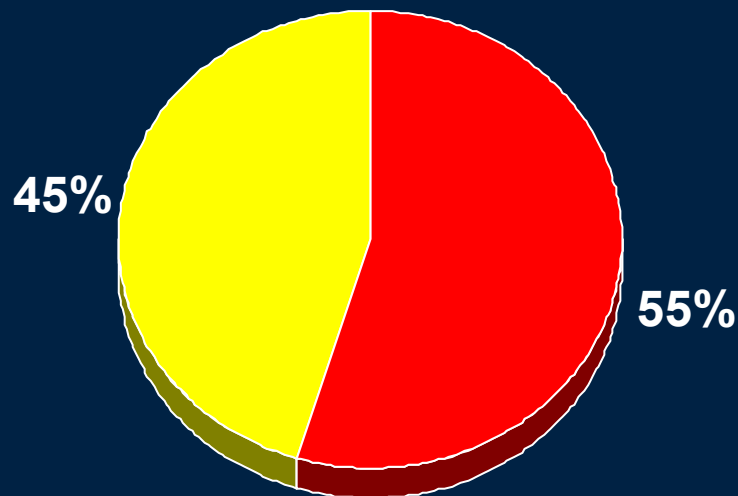
- World population growth 1% pa to 2030

- EME population growth +/- 2% pa to 2030

- EME share of world population increases to 81% by 2030

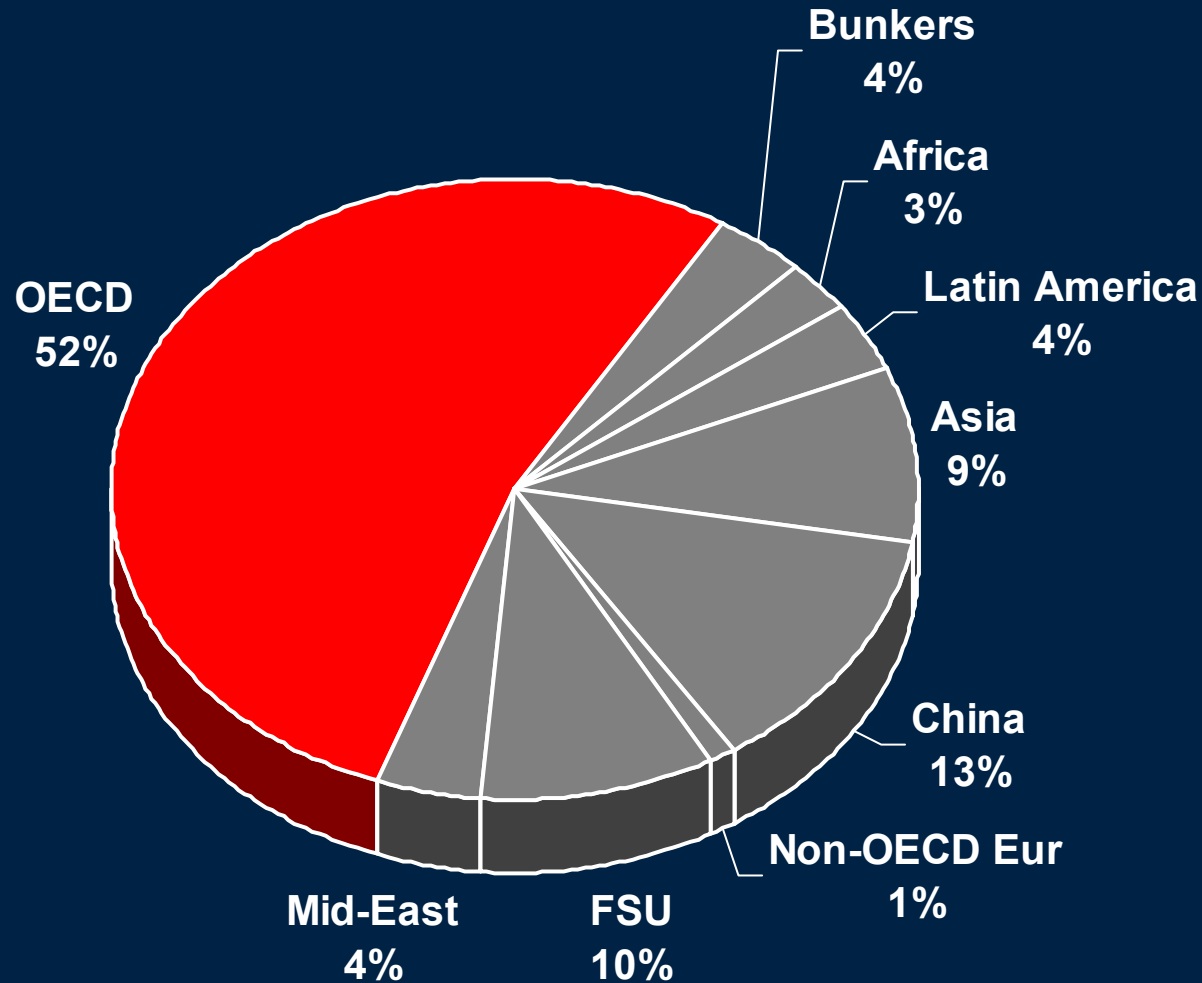
- >>>>>Energy demand growth

- >>>>>CO2 emissions growth

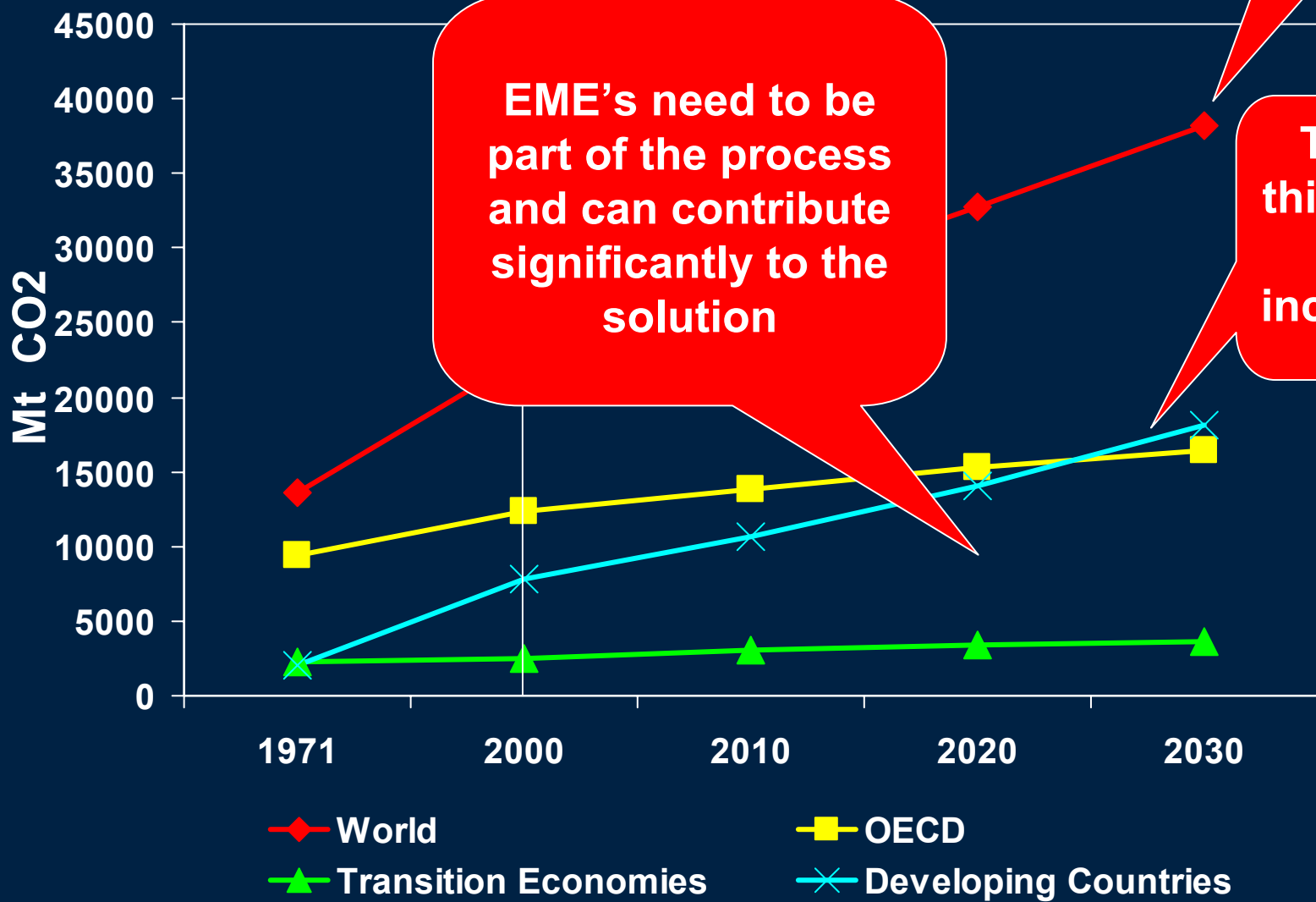


■ Dev ■ EME's

World CO2 emissions by region 2000



World CO2 emissions growth – by region



EME's need to be part of the process and can contribute significantly to the solution

70% increase

Two-thirds of the increase

Frameworks for CO2 Reduction

- **Kyoto Protocol**
 - Annex 1 vs Non-Annex 1 country distinction
 - EME's that are signatories
 - EME's that are not signatories
 - Voluntary targets
 - **Non-Kyoto emission reduction programmes**
 - **Recognition of and willingness to address CO2 emission issues**
 - **Will EME's simply be suspicious of developed country motives when their participation is sought?**
-

Key Sequestration issues faced by EME's

- **What are the financial and technological commitments which enable participation by EME's in sequestration R&D? Skills and technology transfer?**
 - **Are there specific requirements or limitations affecting EME's which impact on intellectual property considerations?**
 - **If public trust is critical to success, how will EME's prioritise Sequestration against a backdrop of much more urgent and basic needs?**
 - **Can large scale sequestration proving projects be located in EME's?**
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.....Key issues faced by EME's

- **Linking Sequestration to CO2 reduction frameworks?**
 - **How will EME's ultimately access sequestration technology proven outside their borders? The role of market forces? Will the draft CSLF Charter's desire to render R&D non-proprietary be undermined by intellectual property considerations?**
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The role of sequestration in emerging economies

- **In general, the role is not very different from that in developed economies.....**
 - **Provides critically needed technology which would materially assist in the provision of clean energy from fossil fuels, but in this case for often poor and growing populations**
 - **Specifically, it would make a disproportionately large contribution to reducing CO2 emissions in the poorer nations of the world, given the projected growth of emissions in these economies and their dependence on fossil fuels.....**
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The Challenge!

Whether Sequestration will be remotely affordable, how the programme which proves the technology and delivers long term benefit can be structured to include participation by, and contributions from, the emerging economies
