



World Energy Outlook Series

- World Energy Outlook – 1998
- World Energy Outlook – 1999 Insights
“Looking at Energy Subsidies: Getting the Prices Right”
- World Energy Outlook – 2000
- **World Energy Outlook – 2001 Insights**
“Assessing Today’s Supplies to Fuel Tomorrow’s Growth”
- **World Energy Outlook – 2002**
- World Energy Outlook – 2003 Insights
“Global Energy Investment Outlook”



Outcomes from the *WEO 2000*

- On-going dominance of fossil fuels
- Increasing trade and dependence on Middle East OPEC supplies
- Supply security implications
- Investment requirements (upstream, power generation...)
- Rising CO₂ emissions and local pollution
- Persistence of inequality / Access to energy for the poor



Energy Modelling for Policymaking (IEA, March 2001)

- Need to Evaluate impact of (adopted / proposed) P&M
 - in all sectors of the economy
 - for a longer time-horizon
 - with more technologies description
- Estimate overall investment requirement
- Sensitivity analysis



Outcomes from the *WEO 2001*

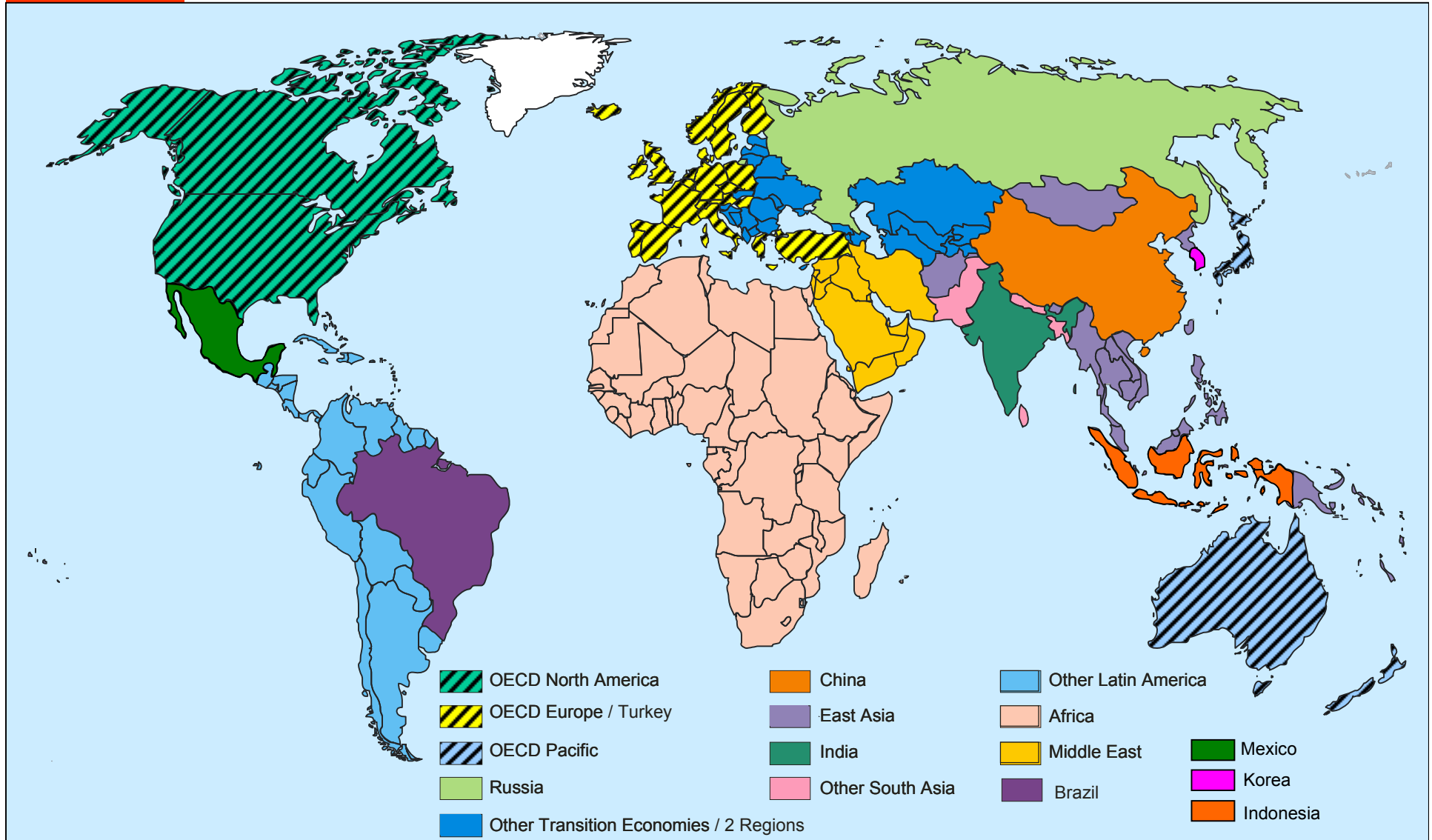
- World supplies of exploitable energy are ample to supply foreseeable demand
- But massive investments are to be made in timely fashion
- Governments have a special role to play in:
 - encouraging investment
 - guaranteeing security of supply
 - supporting R&D
 - completing structural and regulatory reform programs



WEO 2002 answers

- 3 New Regions : **Indonesia** (*Big 5*), **South Korea** and **Mexico**
- A new approach reconciling bottom-up and top-down models: to improve accuracy, and enable more precise alternative P&M
- Increase sectoral breakdown: Industry more detailed, Residential and Services separately
- Time horizon extended to 2030: for LT strategies, technologies

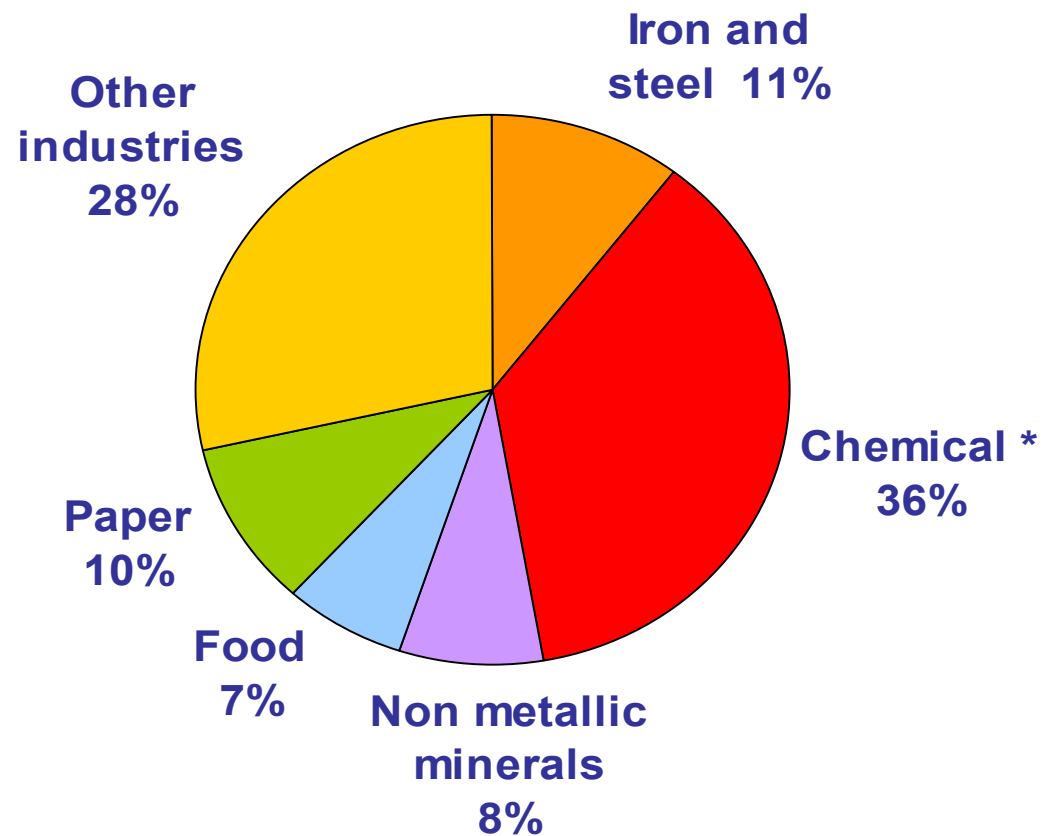
The world in 18 Regions





Industry

6 sub-sectors



* Feedstocks modelled separately



Transportation

Mode Breakdown

Passenger Transport

- cars
- light trucks
- buses
- railways
- domestic aviation
- international aviation

Freight Transport

- small vans
- heavy trucks
- rail
- inland waterways
- aviation



Residential & Services End Uses

Residential:

- Space heating
- Water heating
- Cooking
- Lighting
- Electricity appliances

Services:

- Space and water heating, cooking
- PC related electricity consumption
- Other electrical appliances



The WEO 2002 will be aimed to addressed uncertainties including:

- Resource developments and supplies constraints
- P&M evaluation: environmental...
- Sensitivity analysis: GDP/ prices
- Investment requirements
- ICT influence