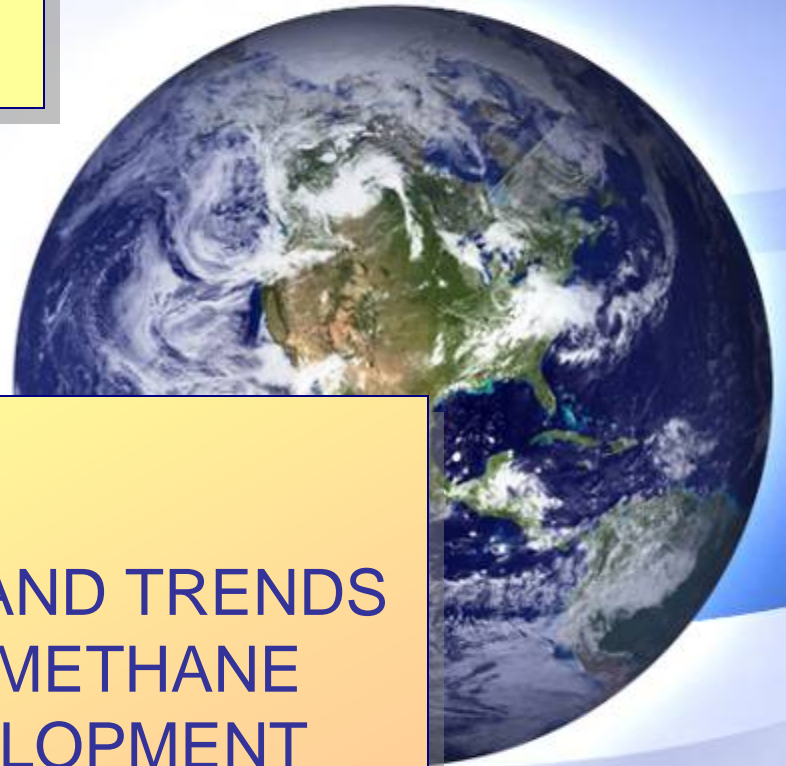


INTRODUCTION TO PANEL SESSION

GLOBAL STATUS AND TRENDS OF COAL MINE METHANE PROJECT DEVELOPMENT



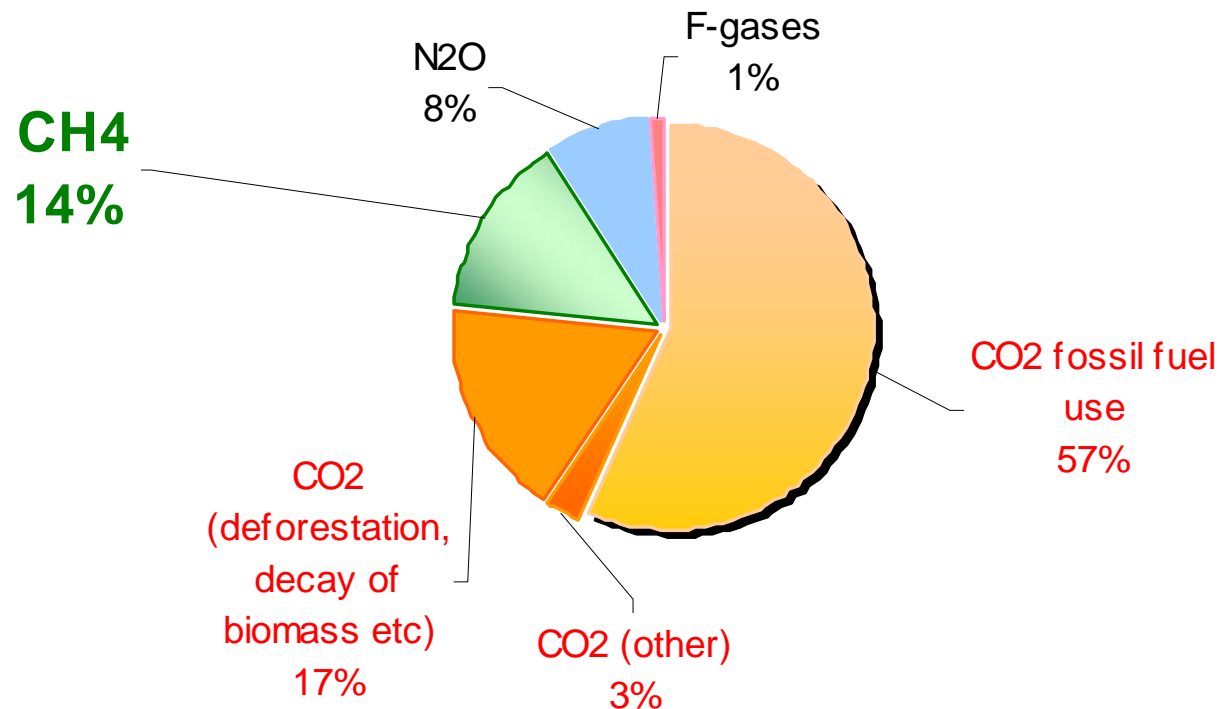


FIRST, A QUICK REFLECTION:

- Media* focus almost entirely on CO₂.
* (and therefore the general public and politicians)
- A message that does not seem to get through is:

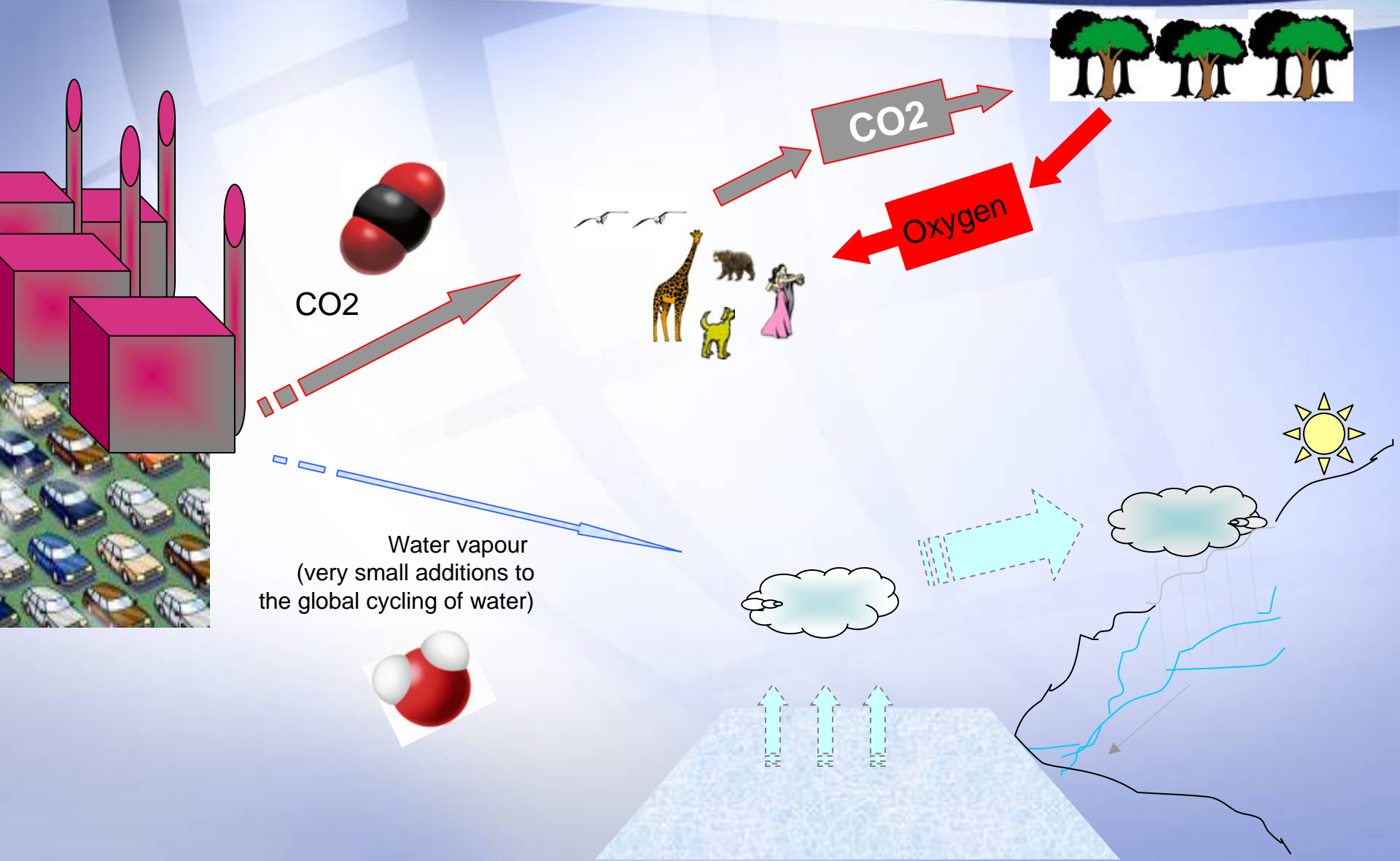
*METHANE IS AN OPPORTUNITY TO OBTAIN
- QUICK AND POWERFUL RESULTS, SO
PROJECTS LEADING TO MAJOR METHANE EMISSION REDUCTIONS
- CAN MAKE A DIFFERENCE IN CLIMATE CHANGE !*

EFFECT ON GLOBAL WARMING – IN TOTAL, METHANE HAS SECOND LARGEST IMPACT



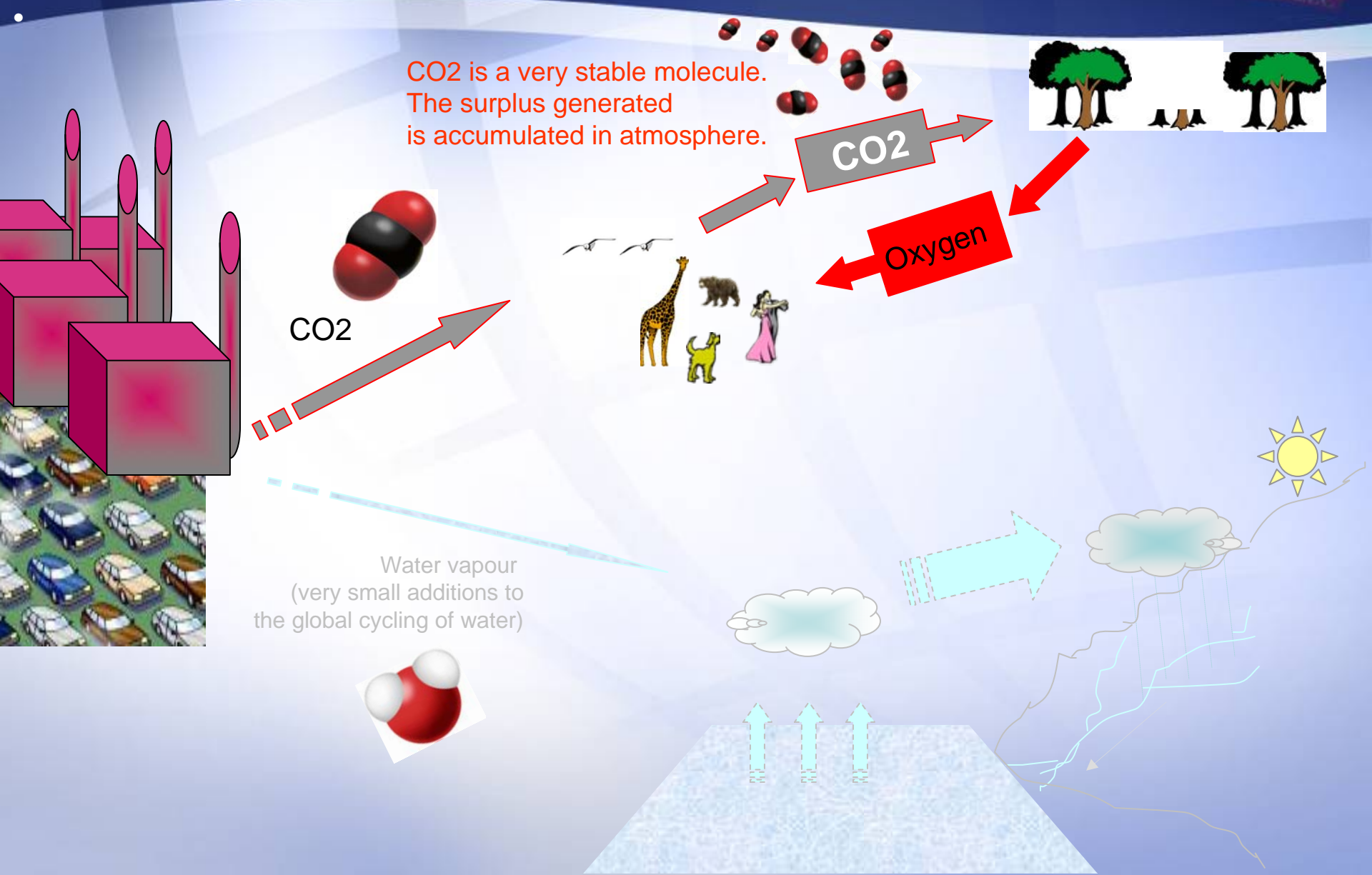
IPCC 4th Assessment Report, Climate Change 2007 – Synthesis Report:
Global Anthropogenic Greenhouse Gas Emissions in 2004.

End products of complete oxidation processes are water vapour and CO₂.

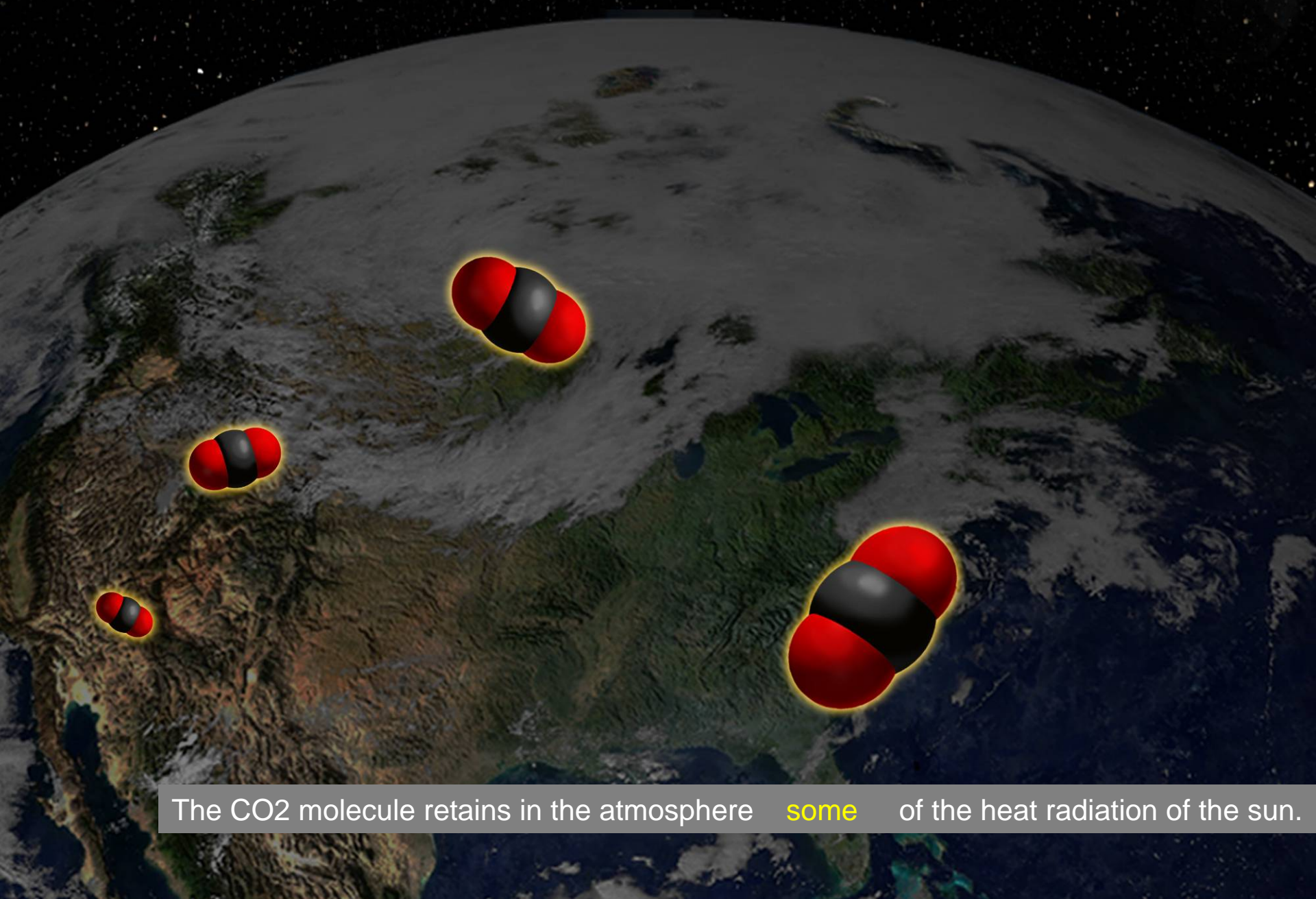




- The global cycling of CO₂ and oxygen (such as between plants and animals) is established since millions of years.
- This balance has been disturbed by;
 - major CO₂ emissions from power plants, industry and vehicles
 - cutting down of forrests

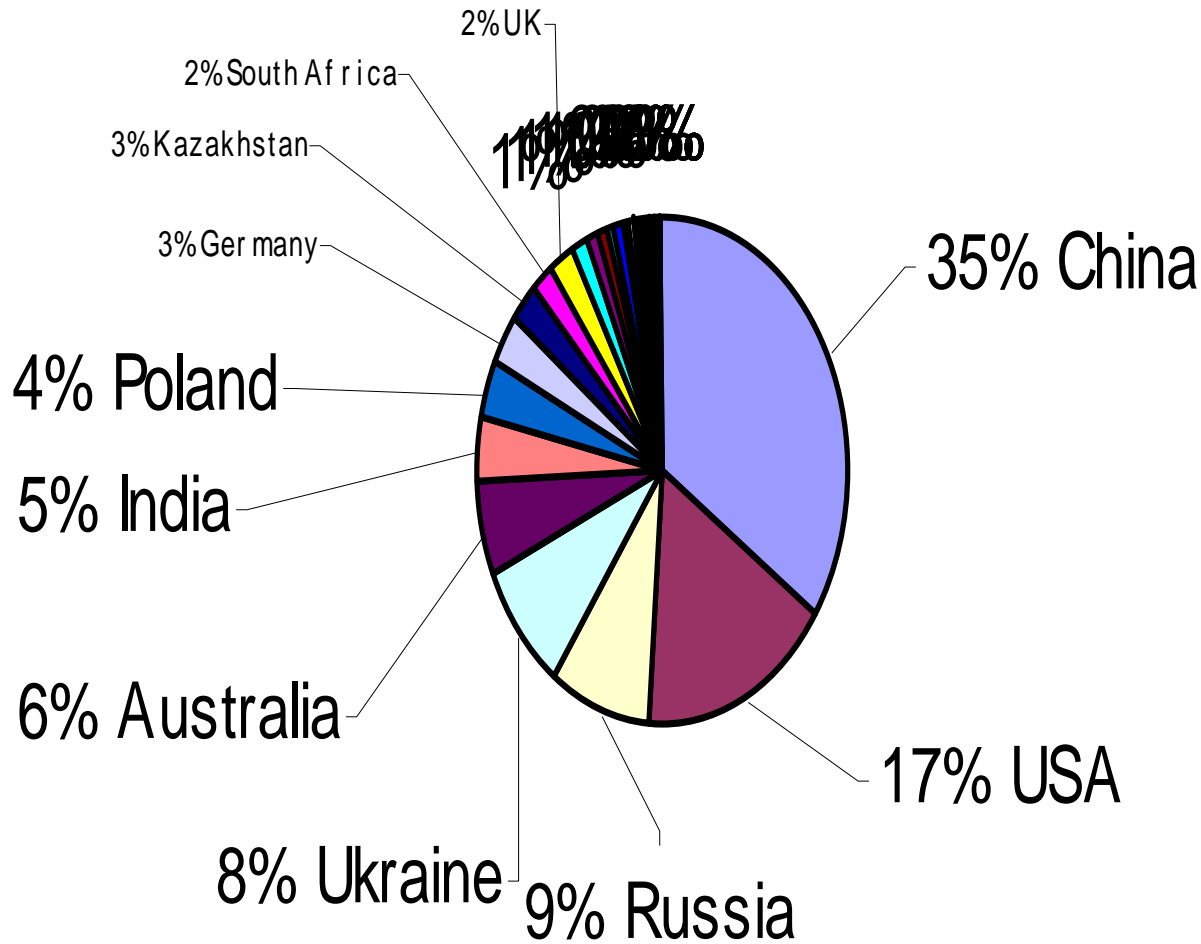


The ever increasing amount of additional CO₂ molecules in atmosphere is driving global warming.



The CO₂ molecule retains in the atmosphere **some** of the heat radiation of the sun.

GLOBAL COAL MINE METHANE EMISSIONS IN YEAR 2000, PER COUNTRY

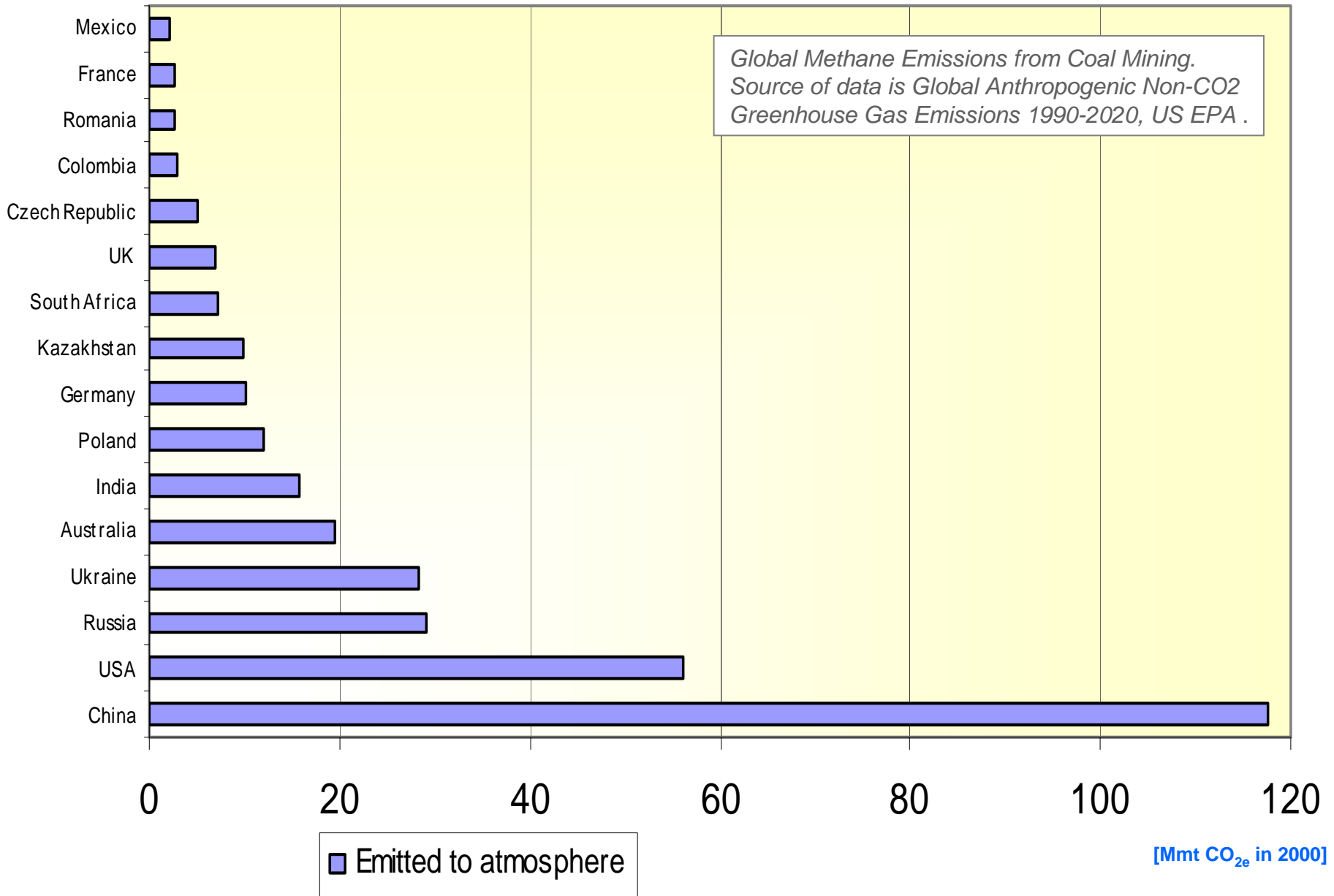


Top 11 countries represent 92% of total emissions

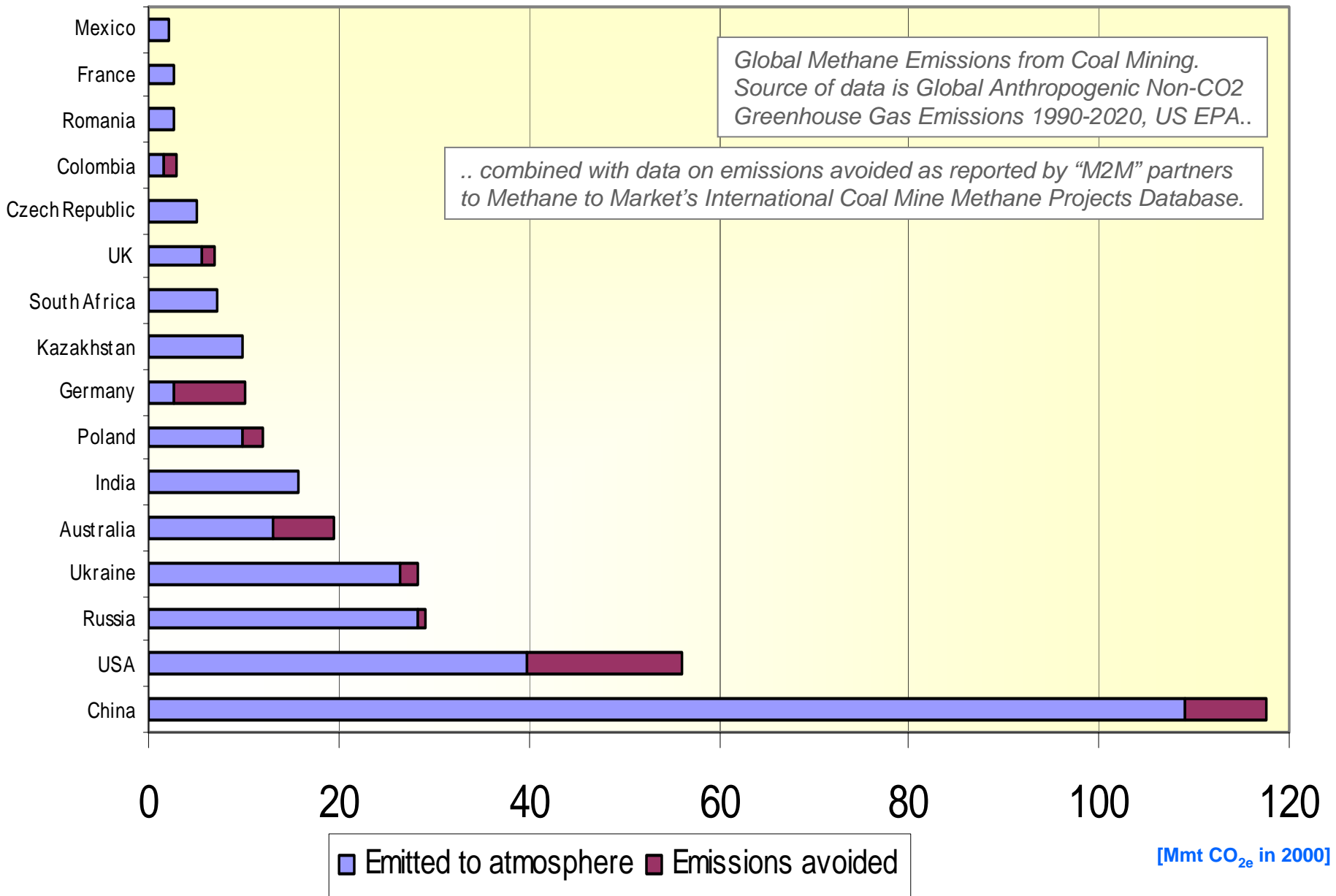
Each one of these countries emit less than 1% of global

- China
- USA
- Russia
- Ukraine
- Australia
- India
- Poland
- Germany
- Kazakhstan
- South Africa
- UK
- Czech Republic
- Colombia
- Romania
- France
- Mexico

Estimated methane emissions from coal mines in year 2000 (Mmt CO₂e), covering 16 largest emitting countries, representing 97% of total.



Methane emissions from coal mines split in parts emitted to atmosphere and emissions avoided (by being captured and processed/utilized)



CMM PROJECTS – STATUS & TRENDS



BACKGROUND

- Methane emissions from coal mines represent powerful opportunities to contradict effects on global warming!
- Provided a reasonable value of carbon credits, these emissions also represent very interesting investment opportunities.

CONCLUSION

These opportunities are so far only vaguely implemented in a few countries!

Lets move on to a very distinguished and competent panel to find out the:
Global Status and Trends of Coal Mine Methane Emissions Reduction Projects..