

Methane Recovery and Use: The Importance of Policy

Ulrich Benterbusch, Director, Office of Global Energy Dialogue

Methane to Markets Project Expo, Delhi, India March 2010



International Energy Agency

Goals:



- energy security
- environmental protection
- economic growth

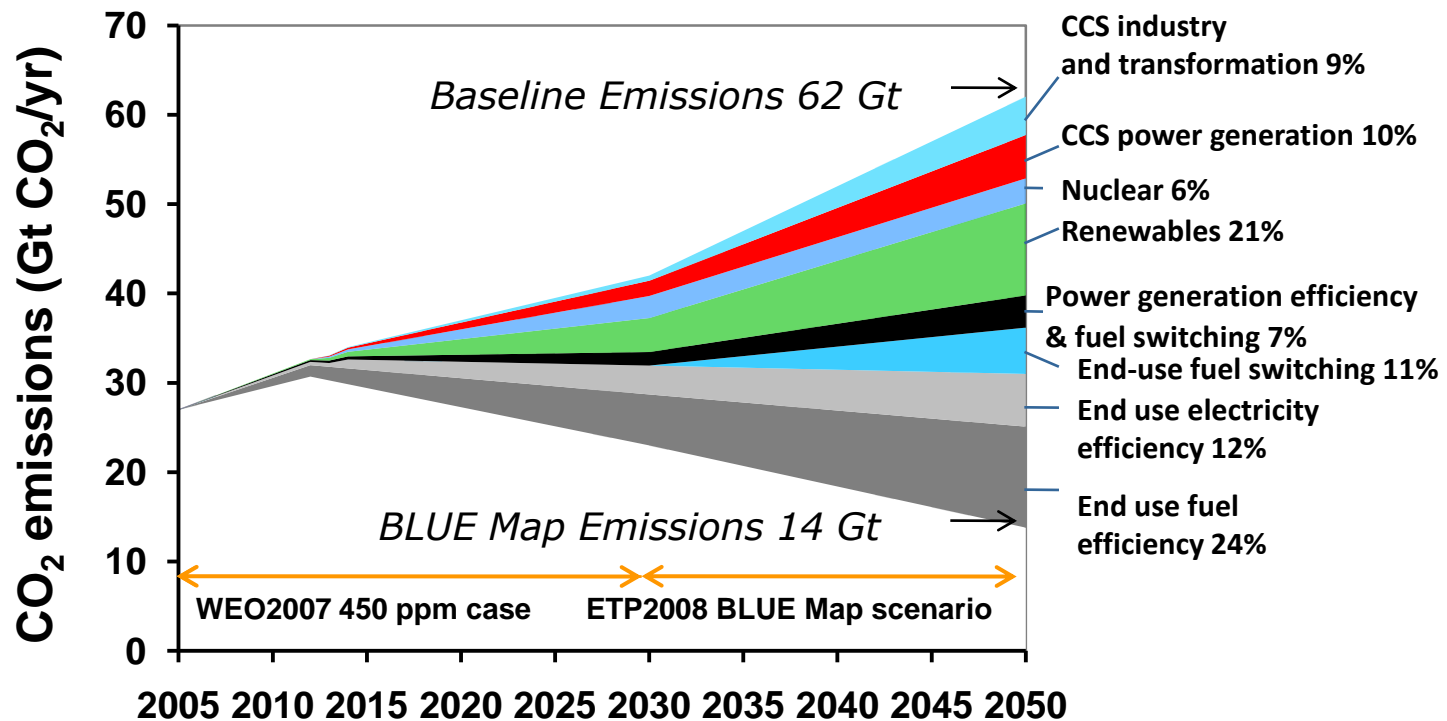


Activities:

- co-ordinates efforts to ensure energy security
- conducts policy analysis for G8 and member countries
- compiles energy statistics
- reviews energy policies & programs
- convenes, mobilizes science & technology experts



An energy technology revolution is needed

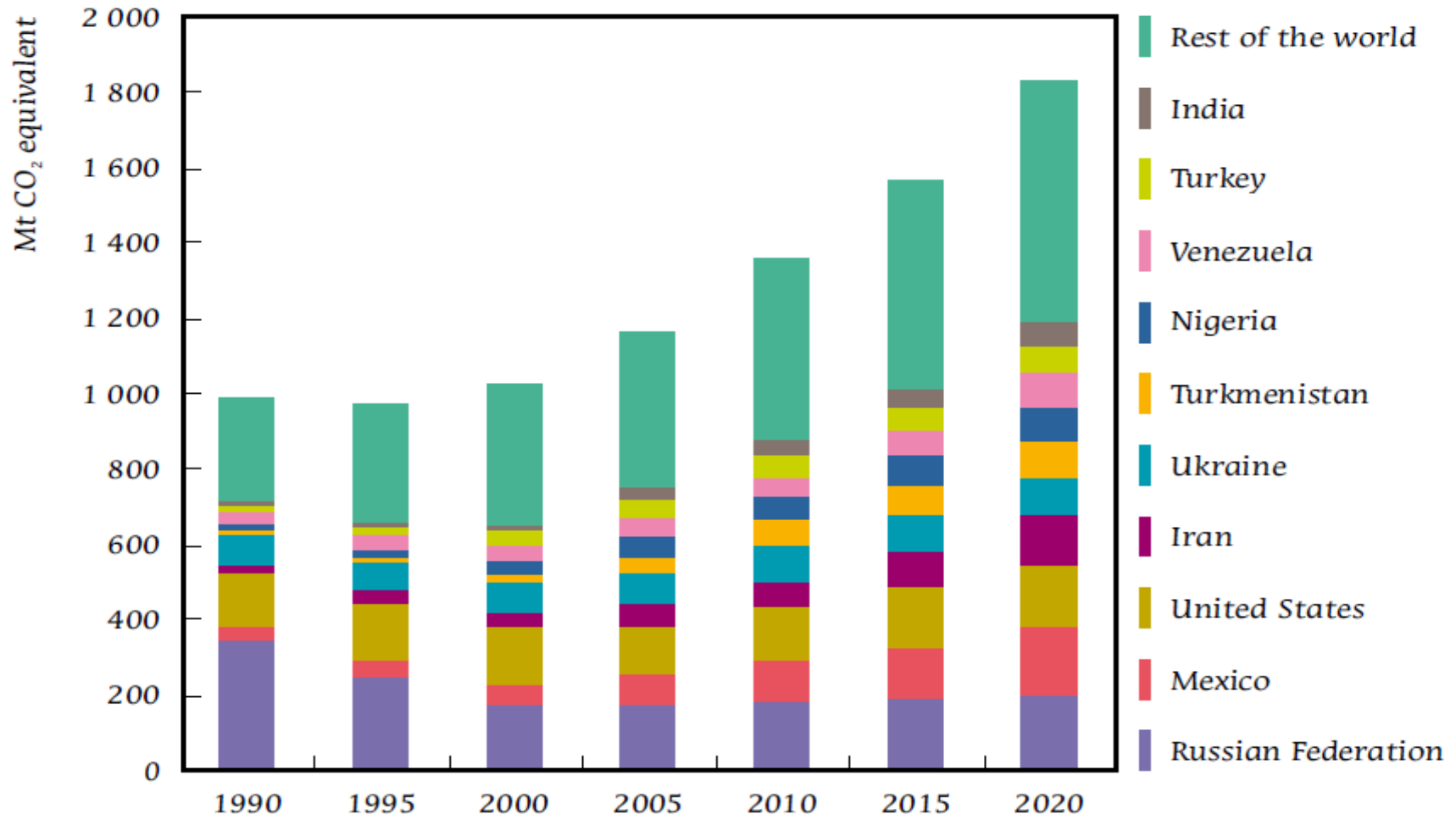


Source: IEA, *Energy Technology Perspectives* (2008).

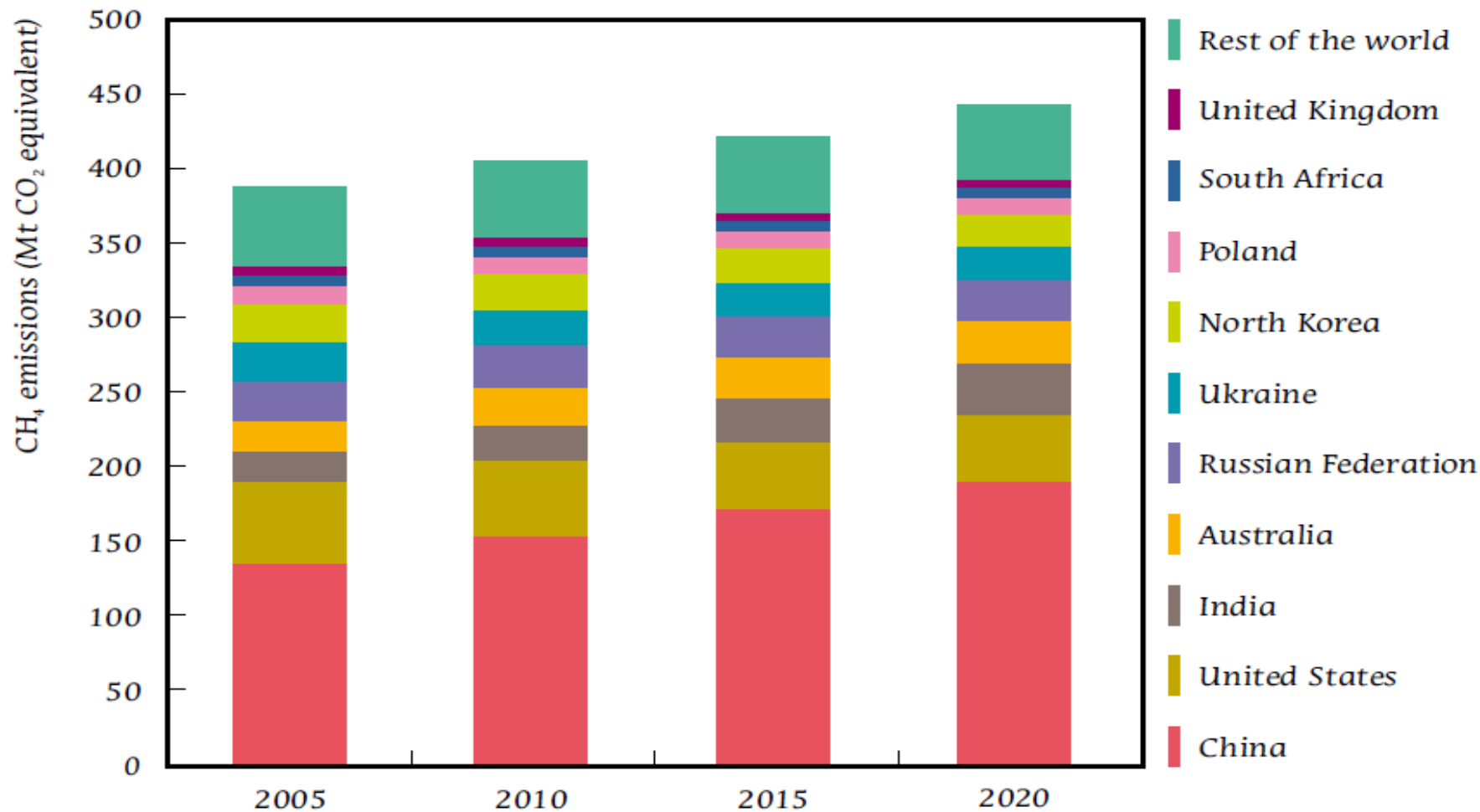
We need a portfolio of solutions, including methane capture, to meet our GHG goals

Methane emissions will continue to rise, especially in non-OECD nations

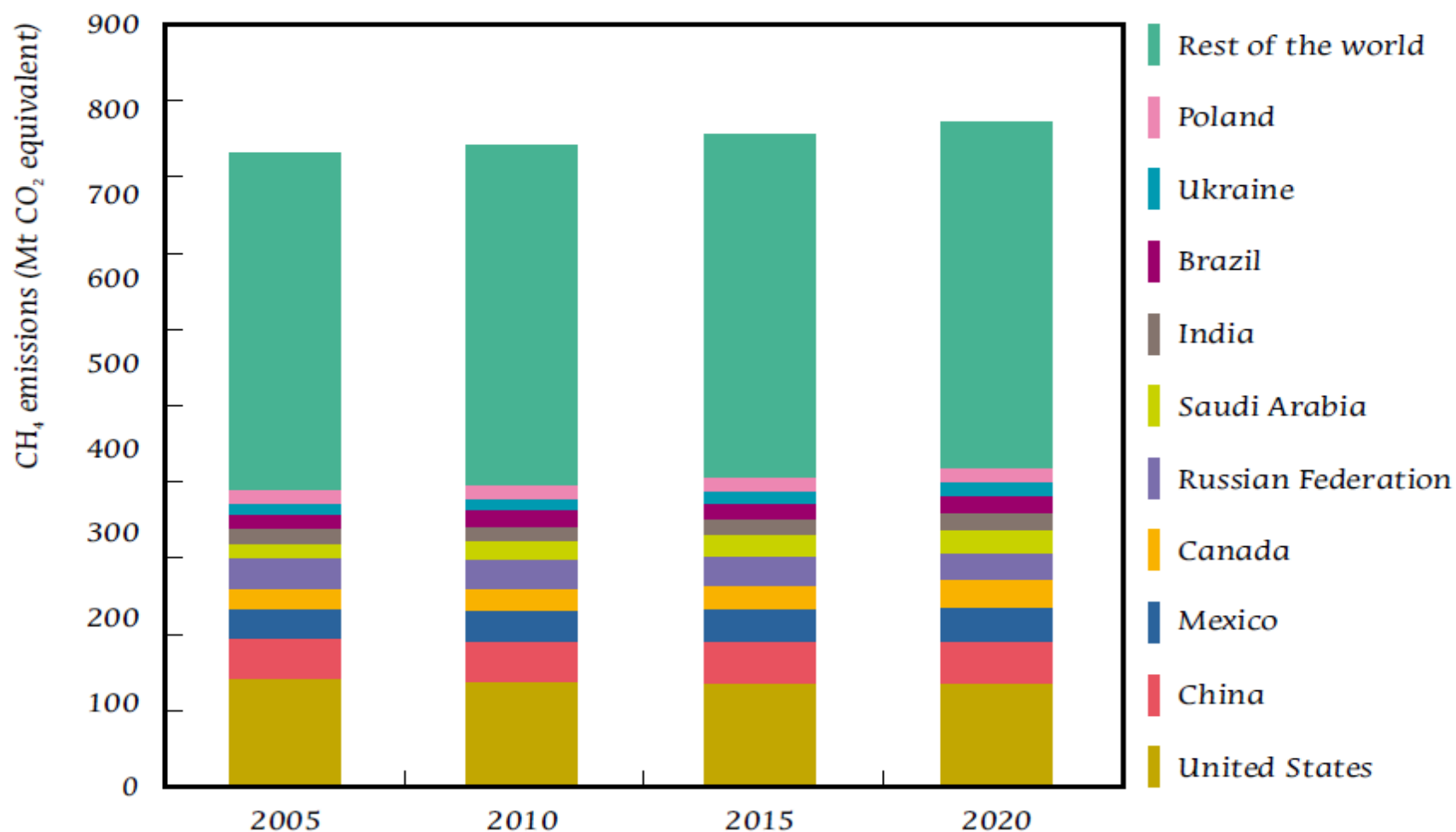
Oil & gas CH₄ emissions



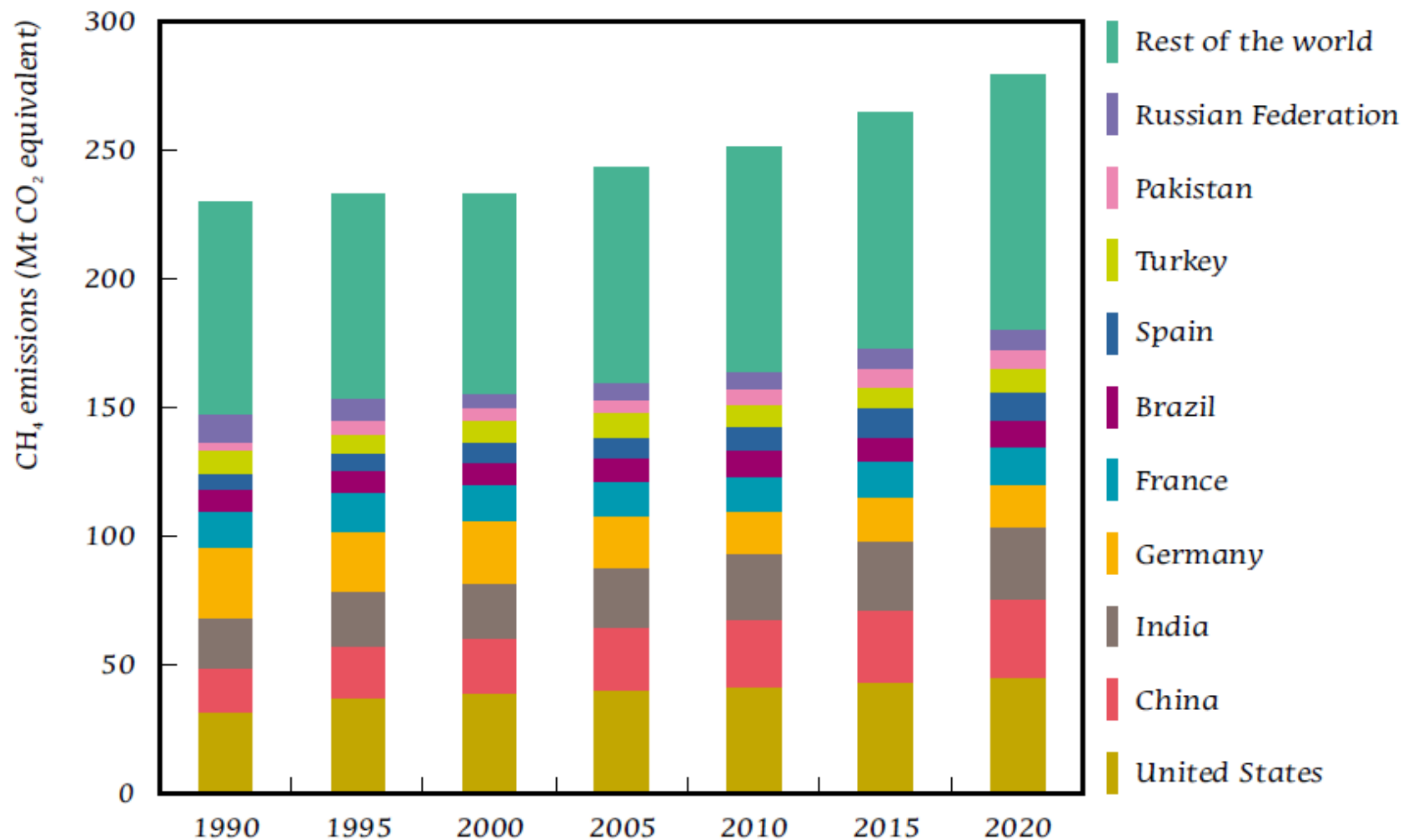
Coalmine CH₄ emissions



Solid waste CH₄ emissions



Manure management CH₄ emissions



Each sector faces market and other barriers to implementation

- Financial
- Lack of clarity on methane ownership
- Grid interconnection for electricity sales
- Awareness
- Lack of strategic policy framework

A number of success stories

- **Strategic targets and framework for solution gas production:** Alberta, Canada
- **Clarification of coal mine methane rights:** Germany
- **Streamlined sale of LFG power to the grid:** Massachusetts, USA
- **Improved solid waste practices for LFG recovery:** China & India
- **Comprehensive manure methane recovery programmes and policies:** UK and Mexico

Next steps

- The countries with the most success have adopted comprehensive approaches
- Share best practices more widely
- Enhance methane project performance under the CDM via better methodologies, improved project design