



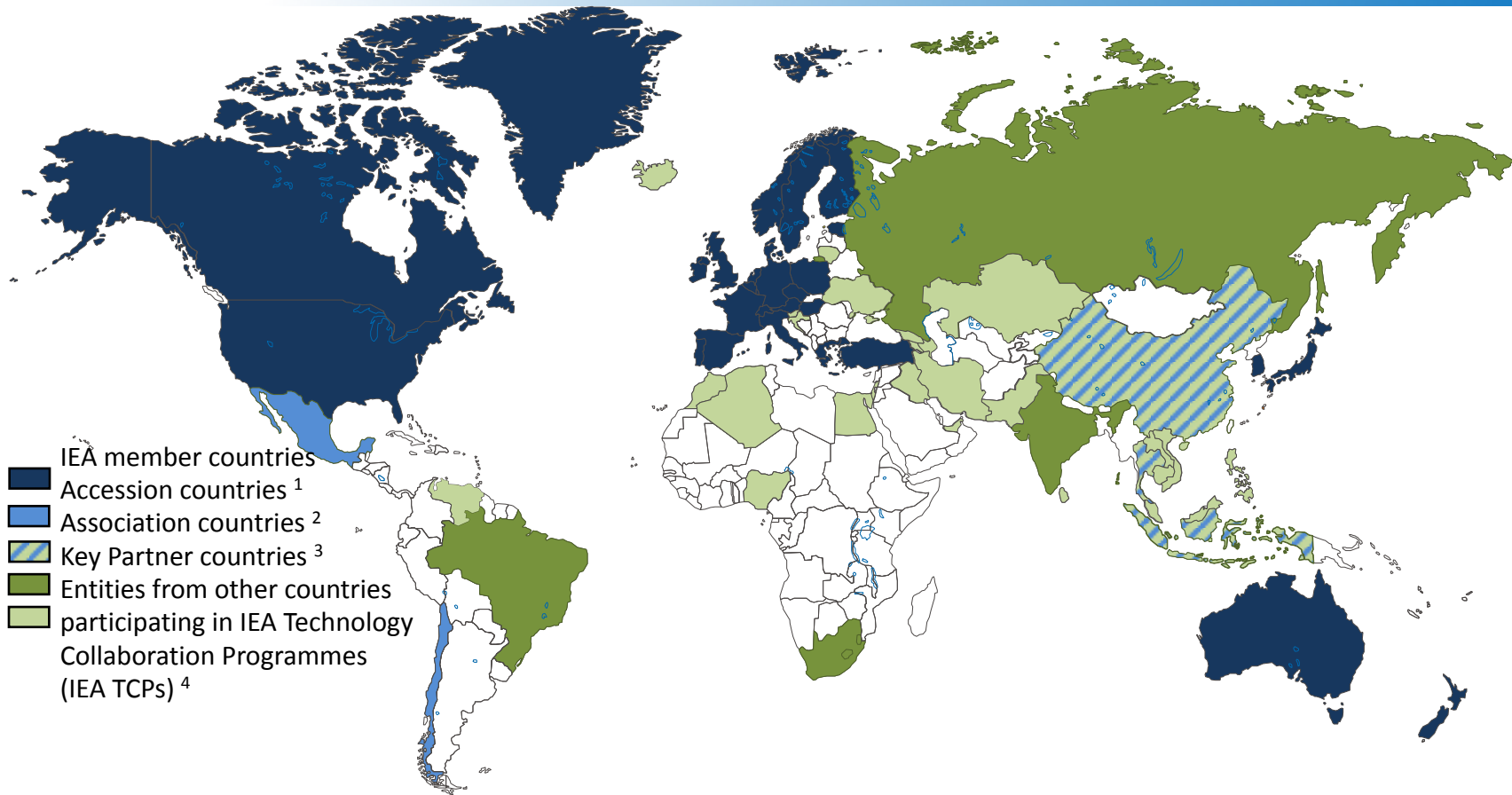
International
Energy Agency

Secure • Sustainable • Together

Connected Devices Alliance Workshop

G20 Networked Devices Task Group

Paul Simons, IEA Deputy Executive Director
IEA, Paris, 19-20 May 2016

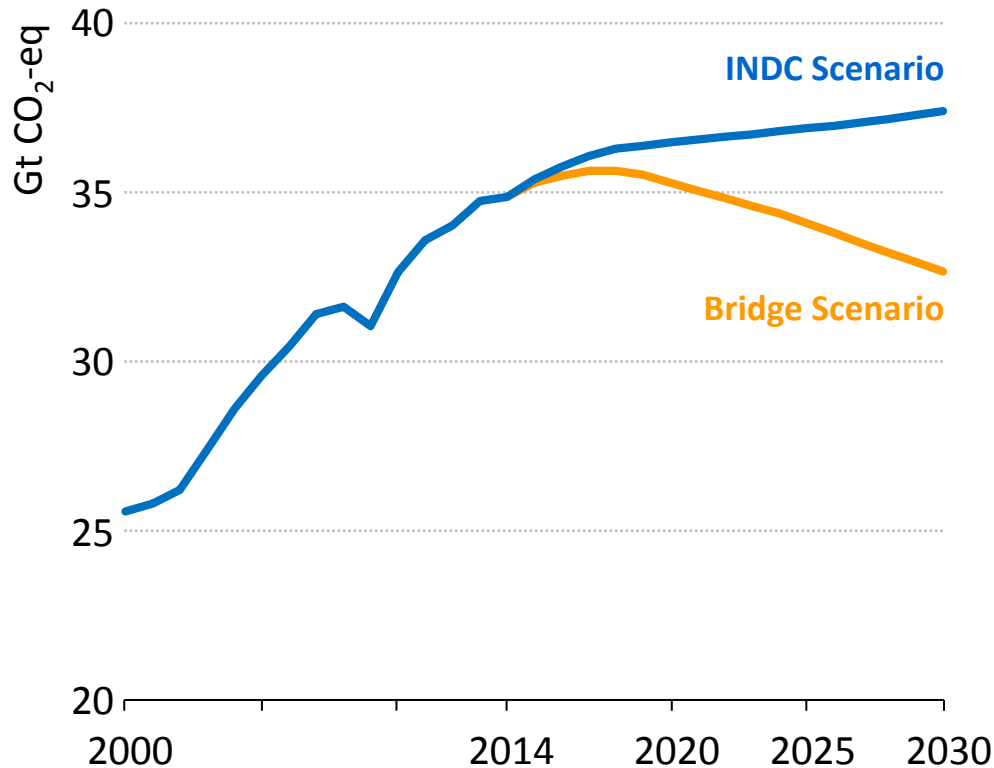


1. Accession countries: OECD member countries that have begun the formal process to become a full member of the IEA.
2. Association countries: Partner countries which have activated Association with the IEA.
3. Key Partner countries: Countries with which the IEA is seeking enhanced engagement.
4. IEA member countries (except Estonia, Luxembourg and the Slovak Republic), Accession countries, Association countries (except Indonesia) and key Partner countries also participate in IEA Technology Collaboration Programmes (TCPs). Entities participating in (signatories to) IEA TCPs may represent governmental or non-governmental organisations. The Economic Community of West African States (ECOWAS), the European Commission (EC), ITER, the Organisation for Petroleum Exporting Countries (OPEC), and the Regional Centre for Renewable Energy and Energy Efficiency (RCREEE, located in Egypt) are also participants in IEA TCPs.

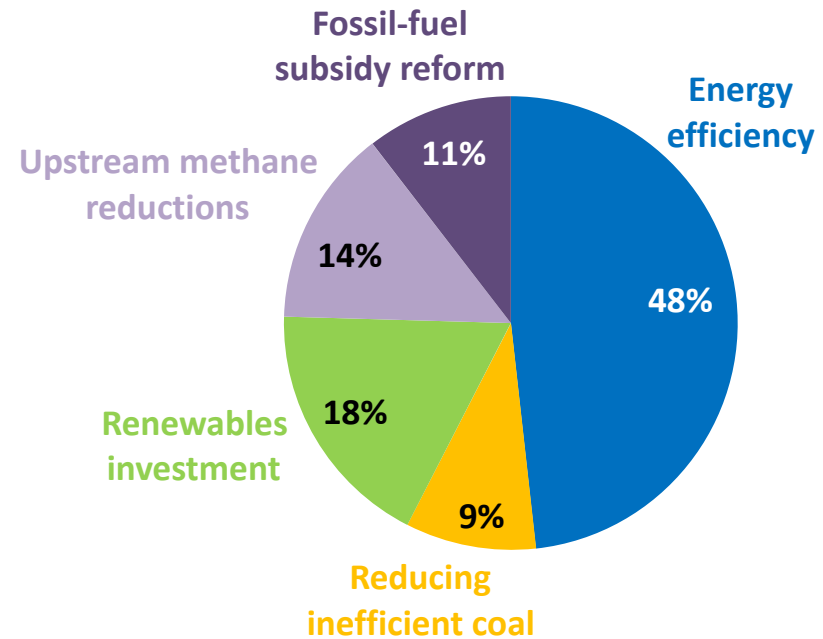
This map is without prejudice to the status of sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city or area.

IEA strategy to raise climate ambition

Global energy-related GHG emissions

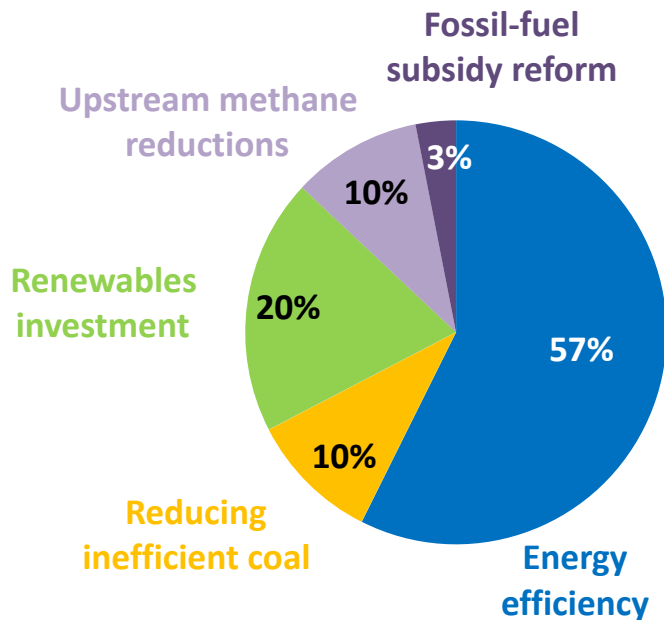


Savings by measure, 2030

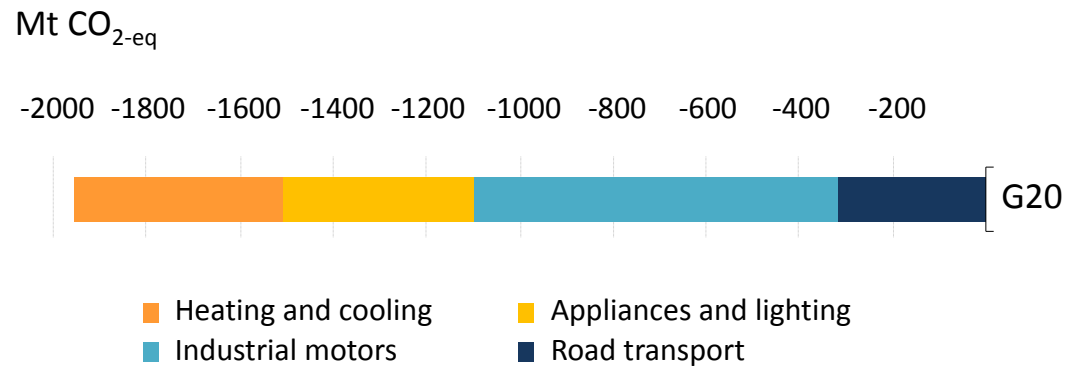


Five measures – shown in a “Bridge Scenario” – achieve a peak in emissions around 2020, using only proven technologies & without harming economic growth

Savings by measure, 2030



GHG emission savings from energy efficiency, 2030



While G20 countries account for almost three-quarters of GHG savings, they account for more than 85% of the savings related to energy efficiency.

Opportunities for systems and device efficiency

- **AMOST ALL appliances and equipment will become connected to via ICT networks in the future.**
- **Individual devices can use less energy, through design that prioritises efficiency.**
- **Communities of connected devices offer the potential for improved systems efficiency.**

