ISGAN Annex 1 Webinar:
Smart Grids Model Region Salzburg

Irmgard Herold

A platform to bring high-level government attention and action to accelerate the development and deployment of smarter electricity grids around the world.

ISGAN…

- Sponsors activities that build a **global understanding** of smart grids, **address gaps** in knowledge and tools, and **accelerate Smart Grid deployment**

- Builds on the momentum of and knowledge created by the **substantial global investments** being made in smart grids

- Was launched as an initiative of the **Clean Energy Ministerial** (2010)

- Is organized as a task-shared **IEA Implementing Agreement** (2011)

- Fulfills a key recommendation in the **Smart Grids Technology Action Plan** (released by Major Economies Forum Global Partnership, 2009)

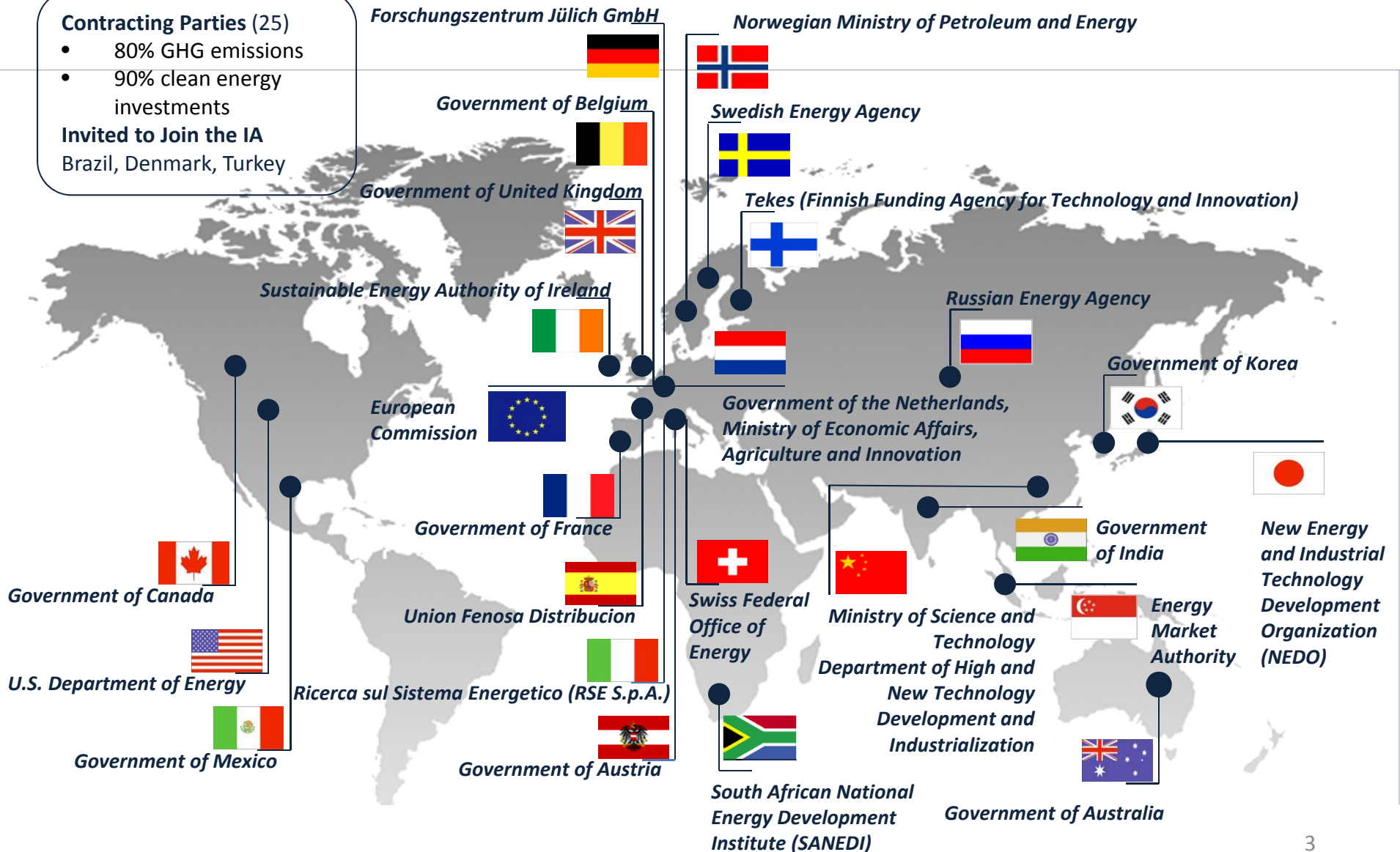- **Leverages cooperation** with other initiatives and Implementing Agreements

Contracting Parties (25)
- 80% GHG emissions
- 90% clean energy investments

Invited to Join the IA
Brazil, Denmark, Turkey

Forschungszentrum Jülich GmbH

Norwegian Ministry of Petroleum and Energy

Government of Belgium

Swedish Energy Agency

Government of United Kingdom

Tekes (Finnish Funding Agency for Technology and Innovation)

Sustainable Energy Authority of Ireland

Russian Energy Agency

Government of Korea

European Commission

Government of the Netherlands, Ministry of Economic Affairs, Agriculture and Innovation

Government of France

Government of Canada

Swiss Federal Office of Energy

Union Fenosa Distribucion

Ministry of Science and Technology Department of High and New Technology Development and Industrialization

Government of India

New Energy and Industrial Technology Development Organization (NEDO)

Energy Market Authority

U.S. Department of Energy

Ricerca sul Sistema Energetico (RSE S.p.A.)

Government of Mexico

Government of Austria

South African National Energy Development Institute (SANEDI)

Government of Australia

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What is ISGAN?
Annex 1-7 to make it happen!

Foundational Project-*   "Annex" = Major Projects

Annex 1* : Global Smart Grid Inventory
Led by U.S. – DOE/E2RG

Annex 2*: Smart Grid Case Studies
Led by Korea - KERI

Annex 3*: Benefit-Cost Analyses and Toolkits
Led by Italy – RSE SpA

Annex 4*: Synthesis of Insights for Decision Makers
Led by U.S. & Korea – DOE/NREL & KSGI

New Projects –Approved since March 2012

Annex 5: Smart Grid International Research Facility Network (SIRFN)   Led by U.S. – DOE/Sandia NL

Annex 6: Power T&D Systems
Led by Sweden & Norway – STRI AB

Annex 7: Power System Transition
Led by Austria – AIT

How do we move international collaboration on smarter grids from here…
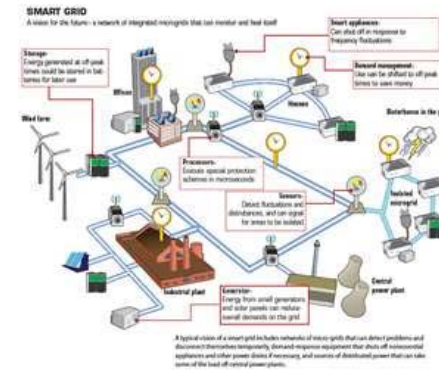
**to here?.....
Specific Applications & Policies**

AIT Austrian Institute of Technology

Energy Department

AREA 1: Integrated Energy Systems

Smart Cities and Regions

Complex Energy Systems
Principal Scientist Research Group

AREA 2: Energy Infrastructure

Smart Grids

Thermal Energy Systems
Energy in Industries (Principal Scientist Research Group)

Smart Buildings

Photovoltaics