



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

Update on the Global Network of Regional Sustainable Energy Centers (GN-SEC)

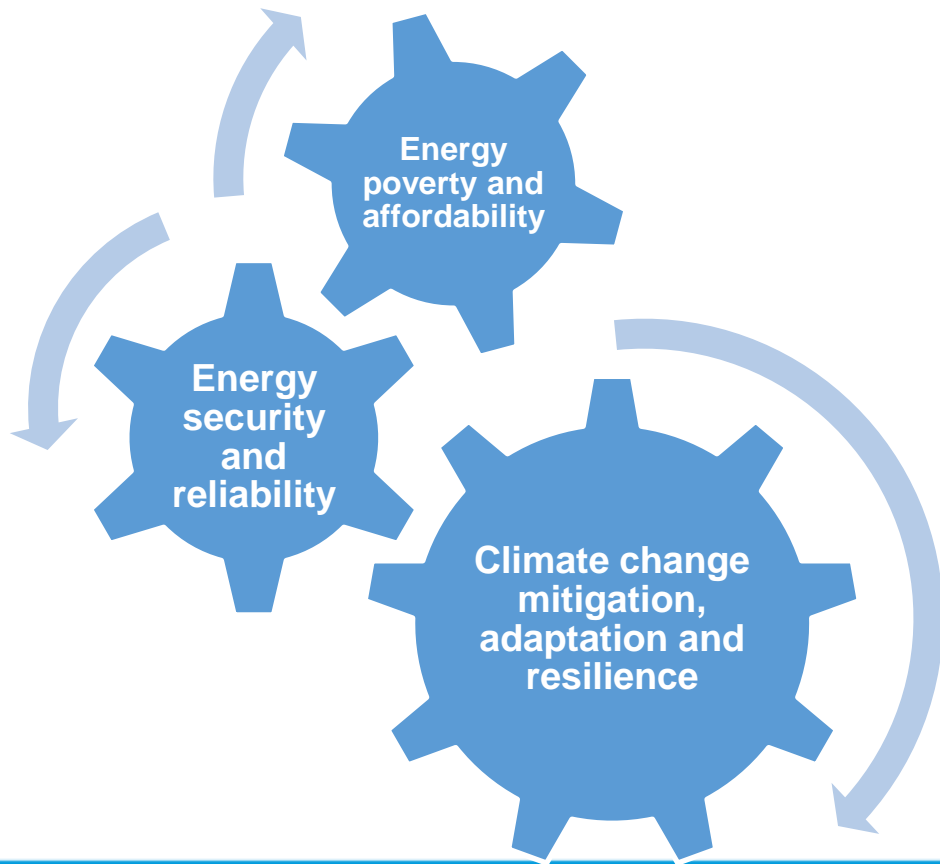
Martin Lugmayr, GN-SEC Coordinator, UNIDO





Turning energy challenges into business and investment opportunities

Drivers towards the creation of sustainable energy markets in developing countries



2030

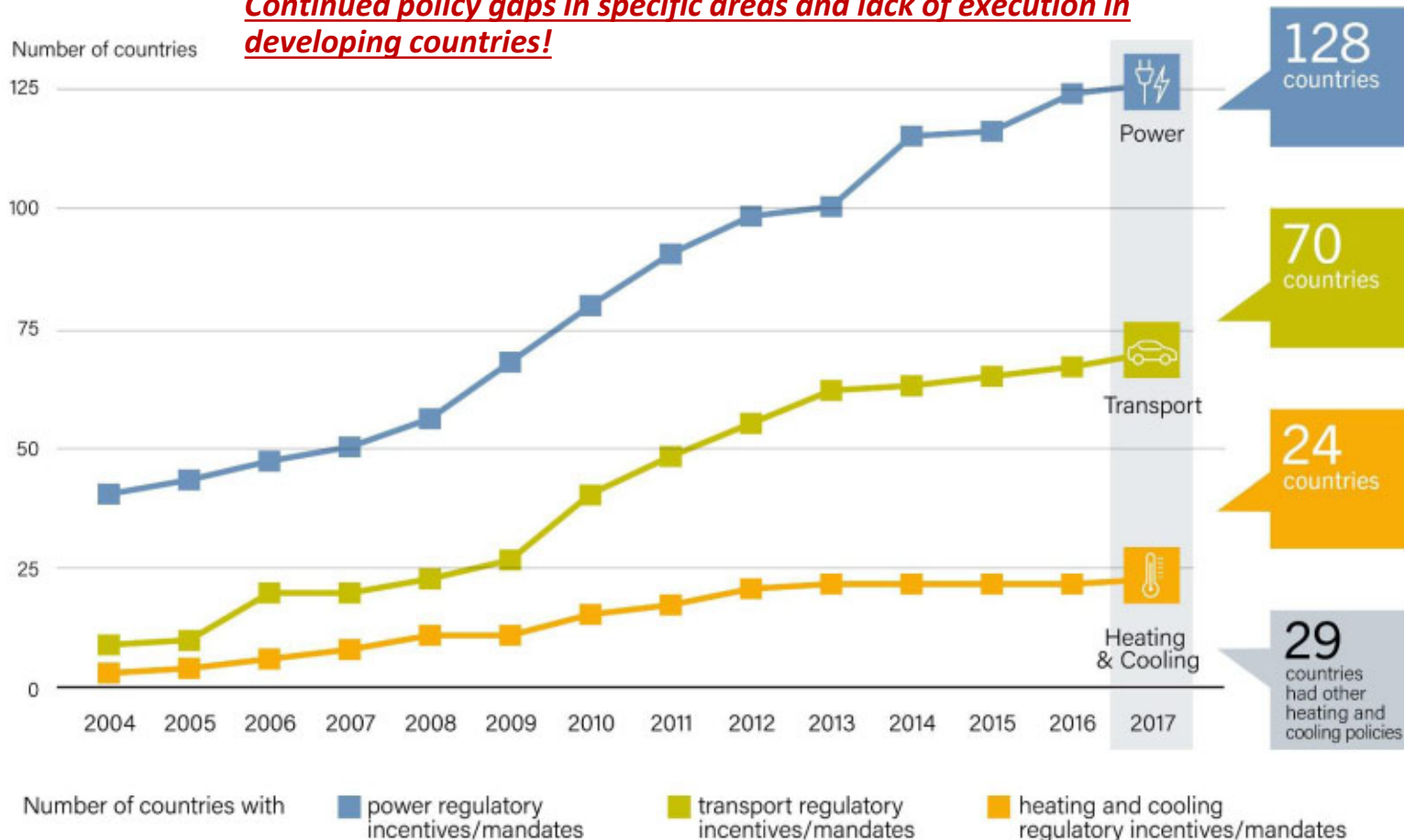
Estimated annual climate mitigation investment up to US\$ 300 billion by 2020, and US\$500 billion by 2030 in developing countries!



Making progress: Increasing global policy readiness

Number of Countries with Renewable Energy Regulatory Policies, by Sector, 2004-2017

Continued policy gaps in specific areas and lack of execution in developing countries!

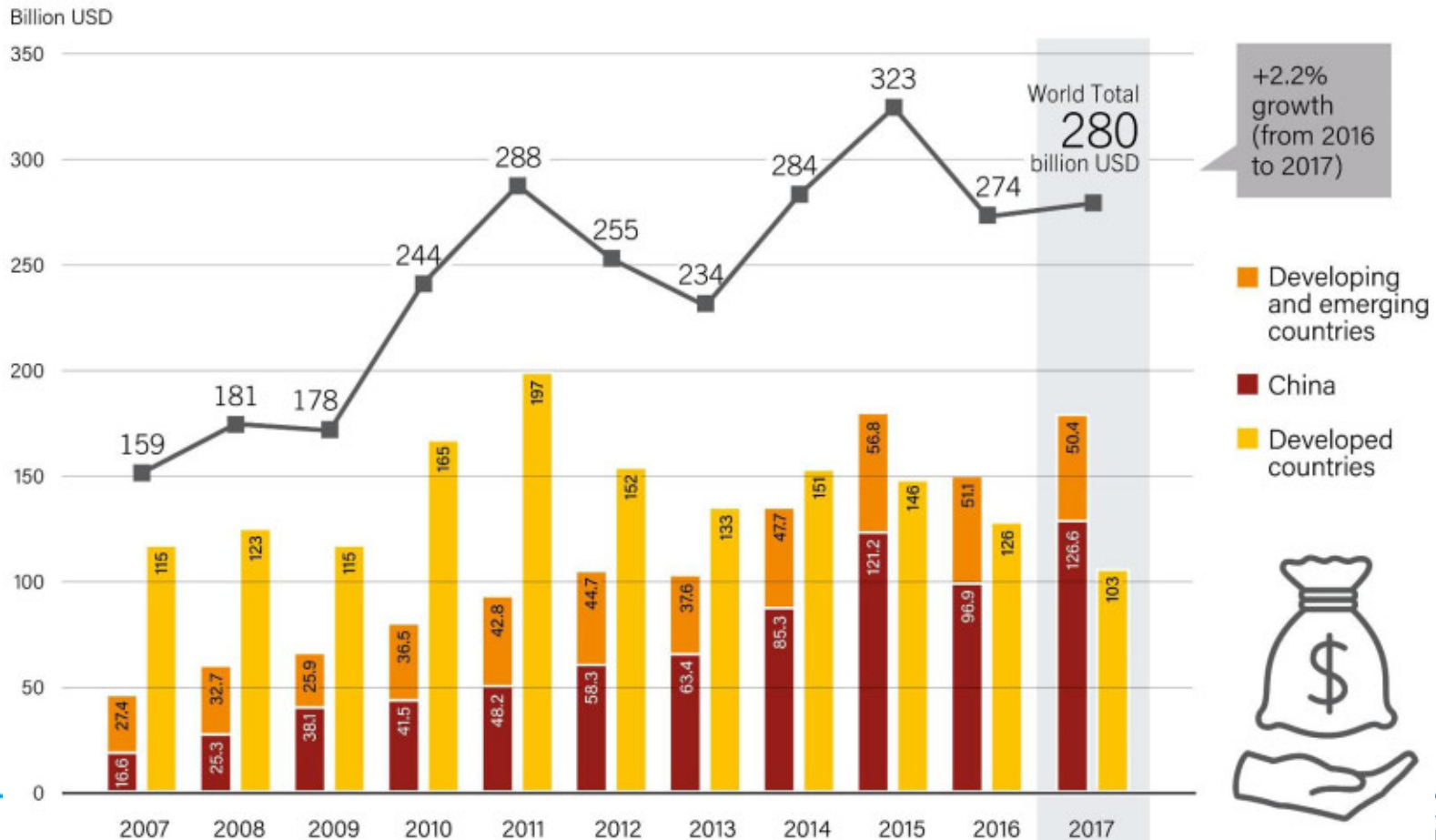


Source: REN21 Policy Database

Increasing private investment in SECTs

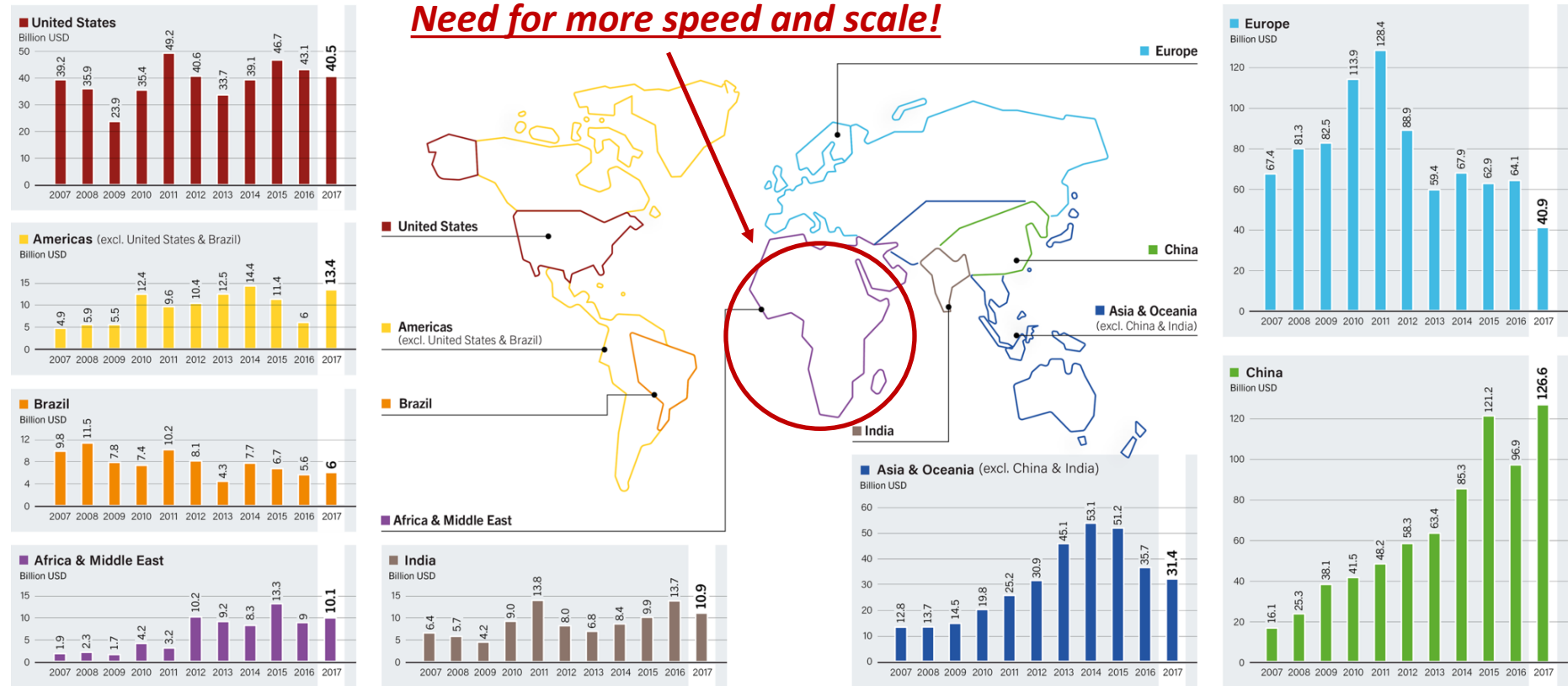
Need for more speed and scale! Required annual investment of USD 300 billion by 2020 and USD 500 billion by 2030 for climate change mitigation in developing countries.

Global New Investment in Renewable Power and Fuels in Developed, Emerging and Developing Countries, 2007-2017



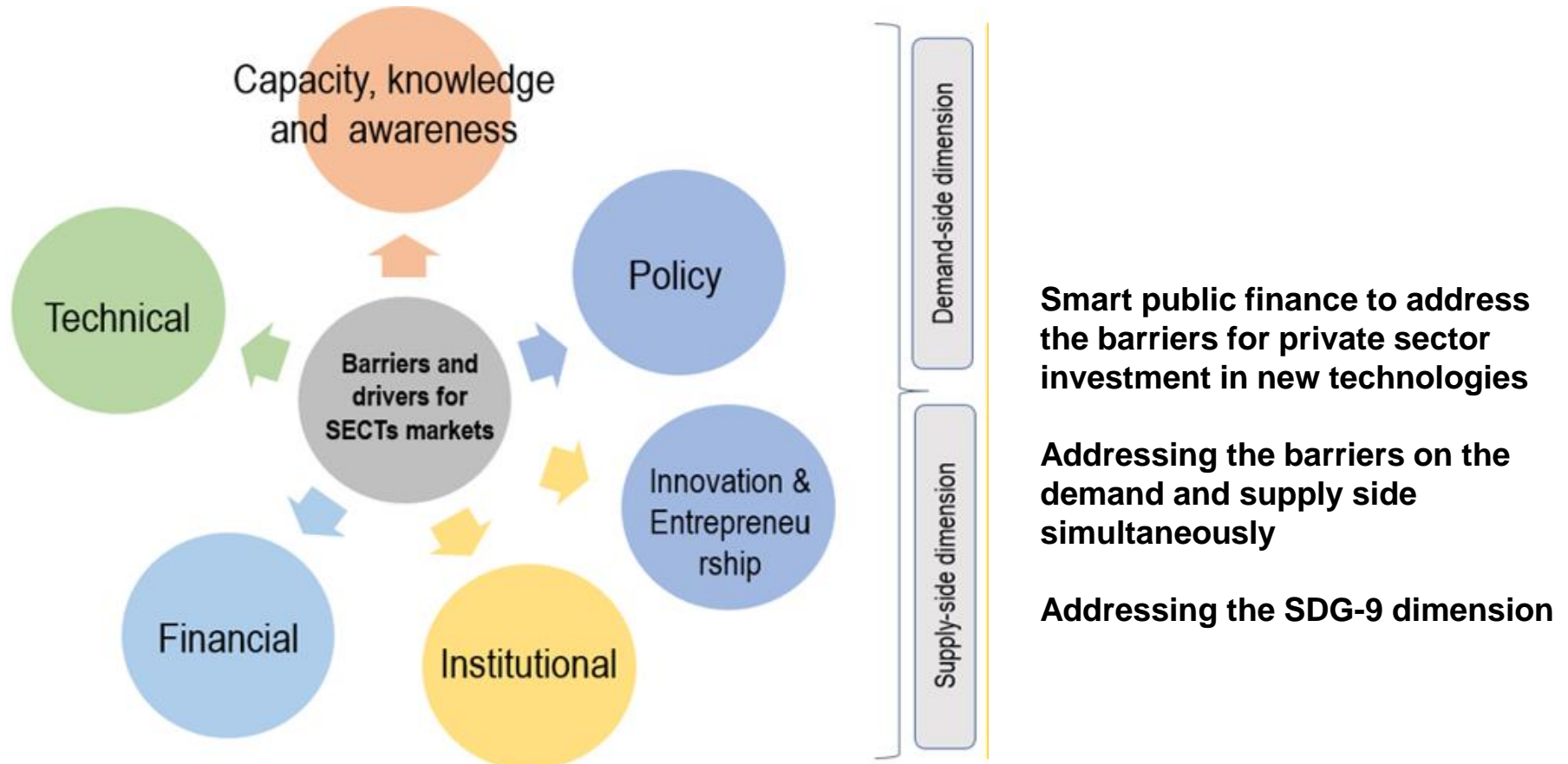
Mismatch between SDG-7 and investment flows

FIGURE 49. Global New Investment in Renewable Power and Fuels, by Country or Region, 2007-2017



Source: BNEF

Barriers for the uptake of integrated and inclusive sustainable energy technology markets and investments



Benefits of regional energy and climate cooperation

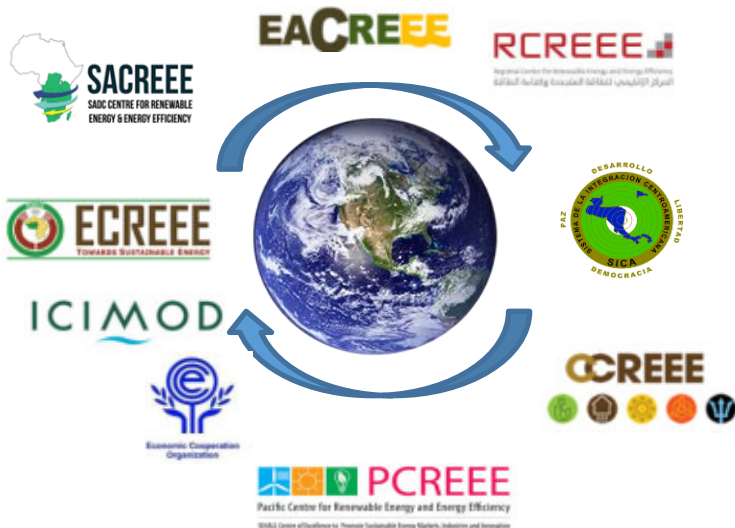
- *Address barriers jointly at lower cost with shared resources and makerspace*
- *Economies of scale through common markets following joined standards*
- *Strengthen regional capacities to plan, coordinate, implement and monitor*
- *Promote equal progress between countries*
- *Ownership and priority-setting by the region for the region*
- *De-risking through joint standards/regulation*
- *Donor harmonization and coordination*
- *Enhanced inclusiveness through regional local content requirements, entrepreneurship and innovation support*
- *Enhanced execution capacities for int. climate agreements and funds*





Regional hubs to accelerate the energy and climate transformation

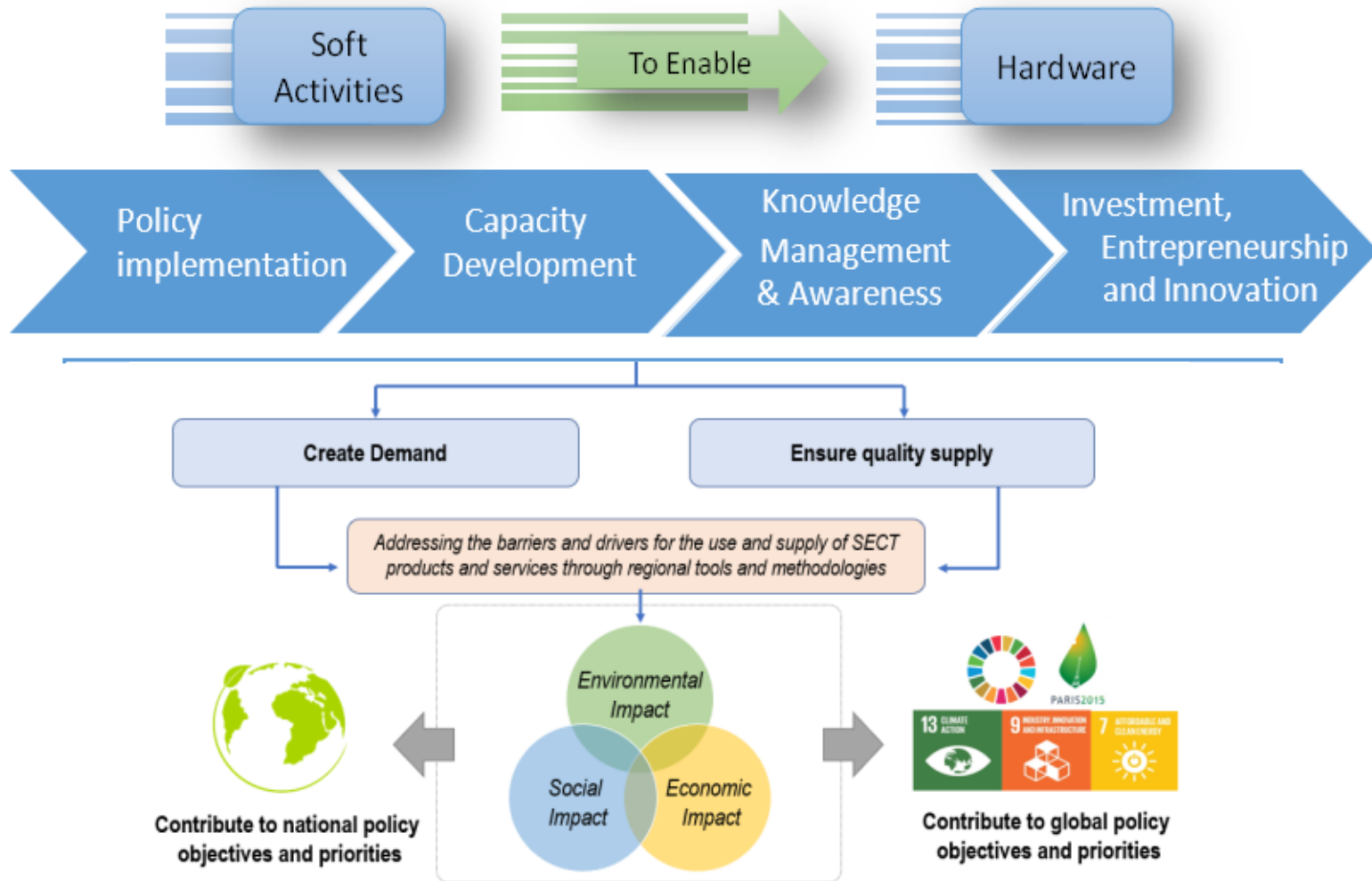
Adopted by more than 97 Ministers of Energy!

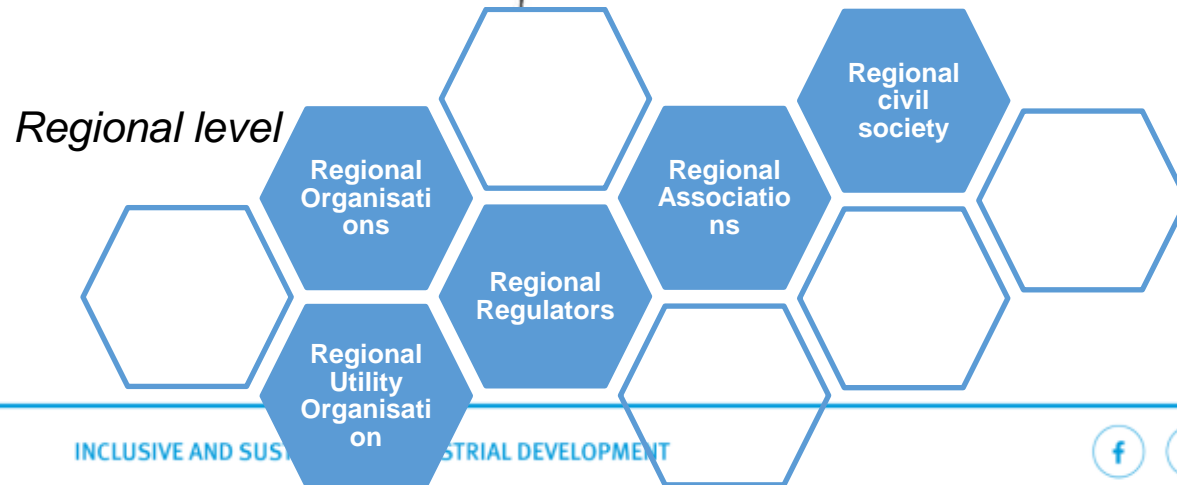
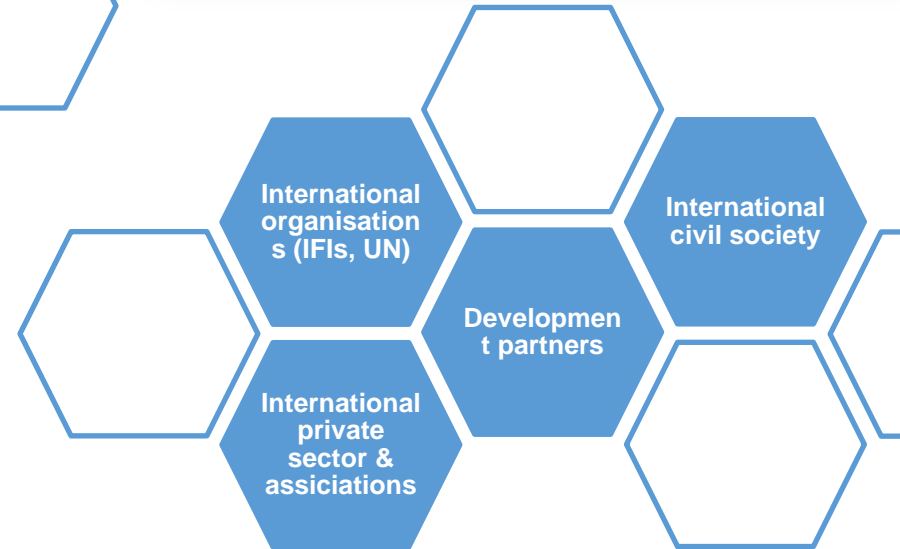
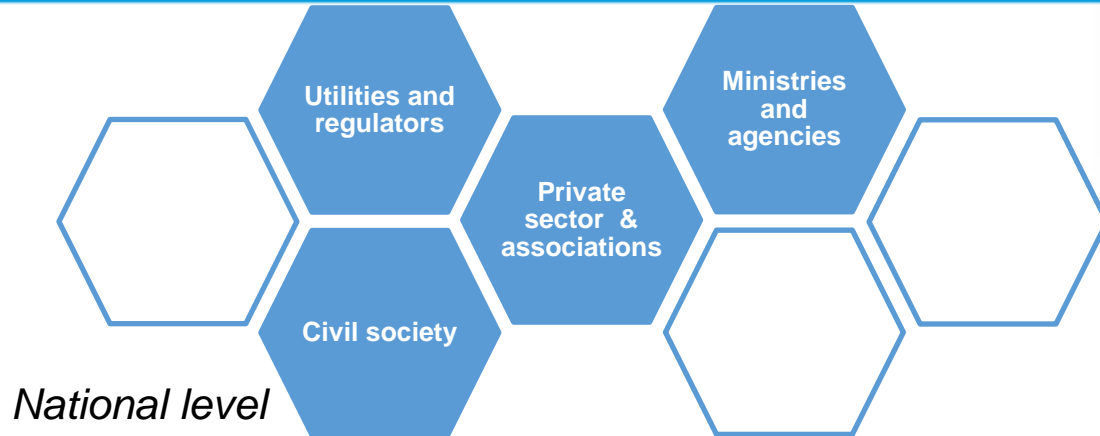


- Sub-Network Africa and Arab region
- Sub-Network for SIDS
- New centre in Central America
- New centre in Himalaya-Hindukush
- New centre with ECO in Central Asia



Focus on enabling activities and de-risking - Examples







The sun never goes down in the GN-SEC: South-South Cooperation Platform established!





Welcome to the GN-SEC makerspace!

Where the day has more than 24 hours!

