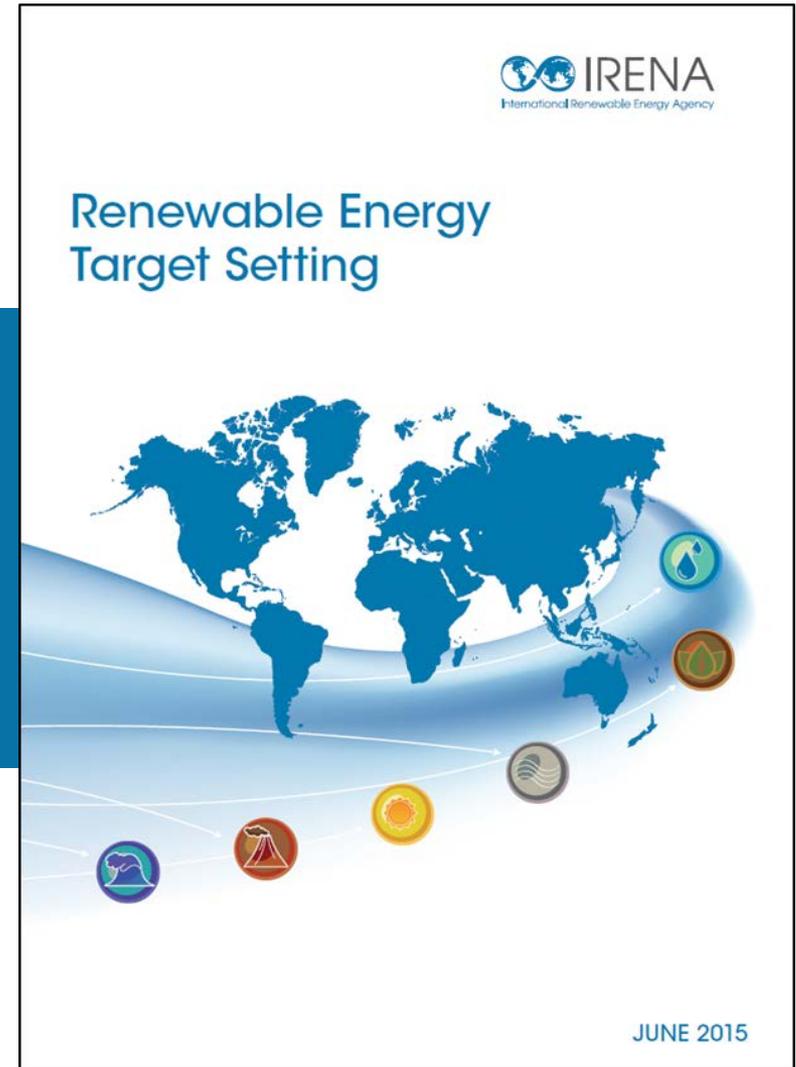
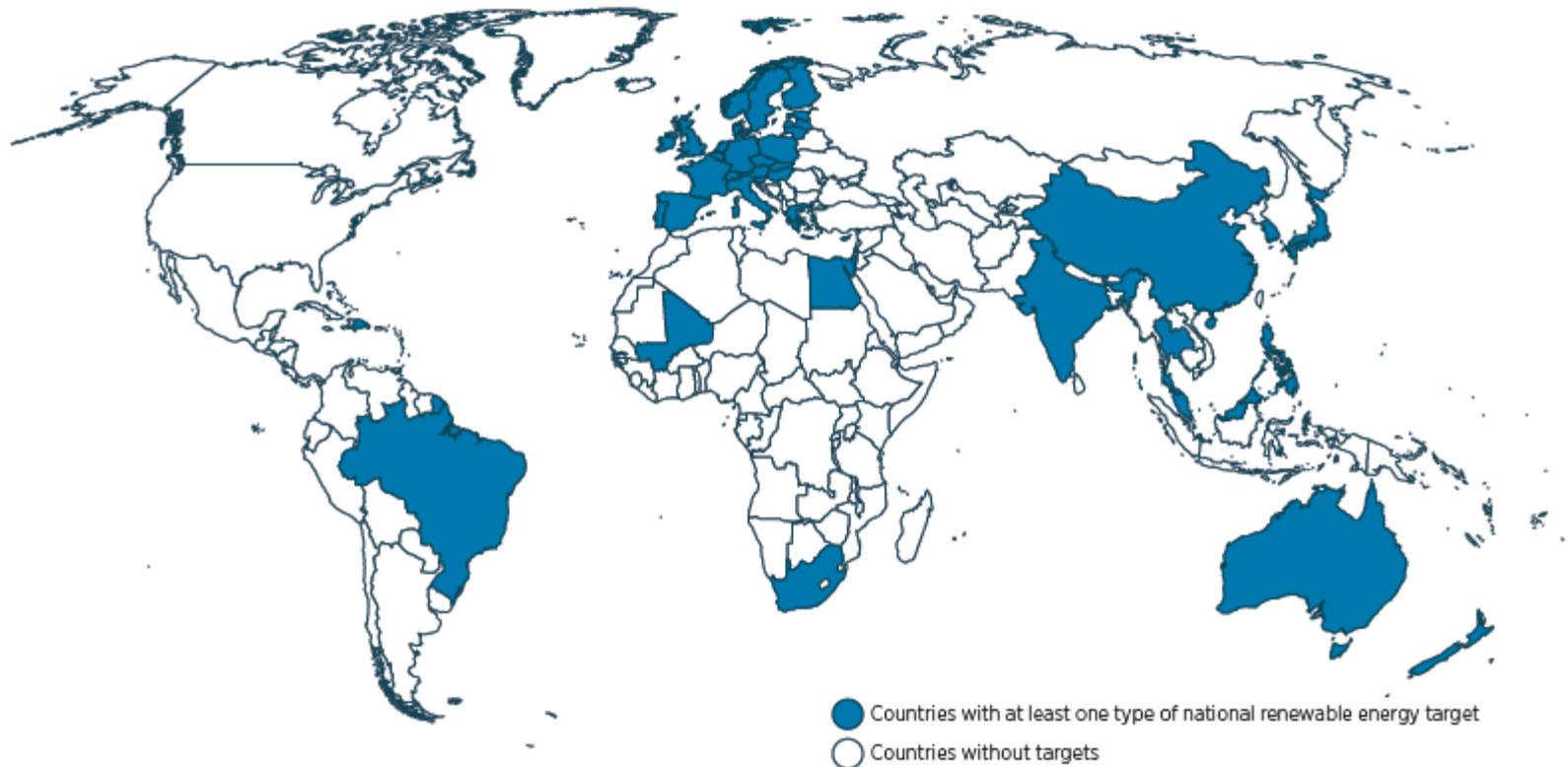


Renewable energy targets

Bioenergy from the Forest Sector
6-8 December 2016, Budapest, Hungary

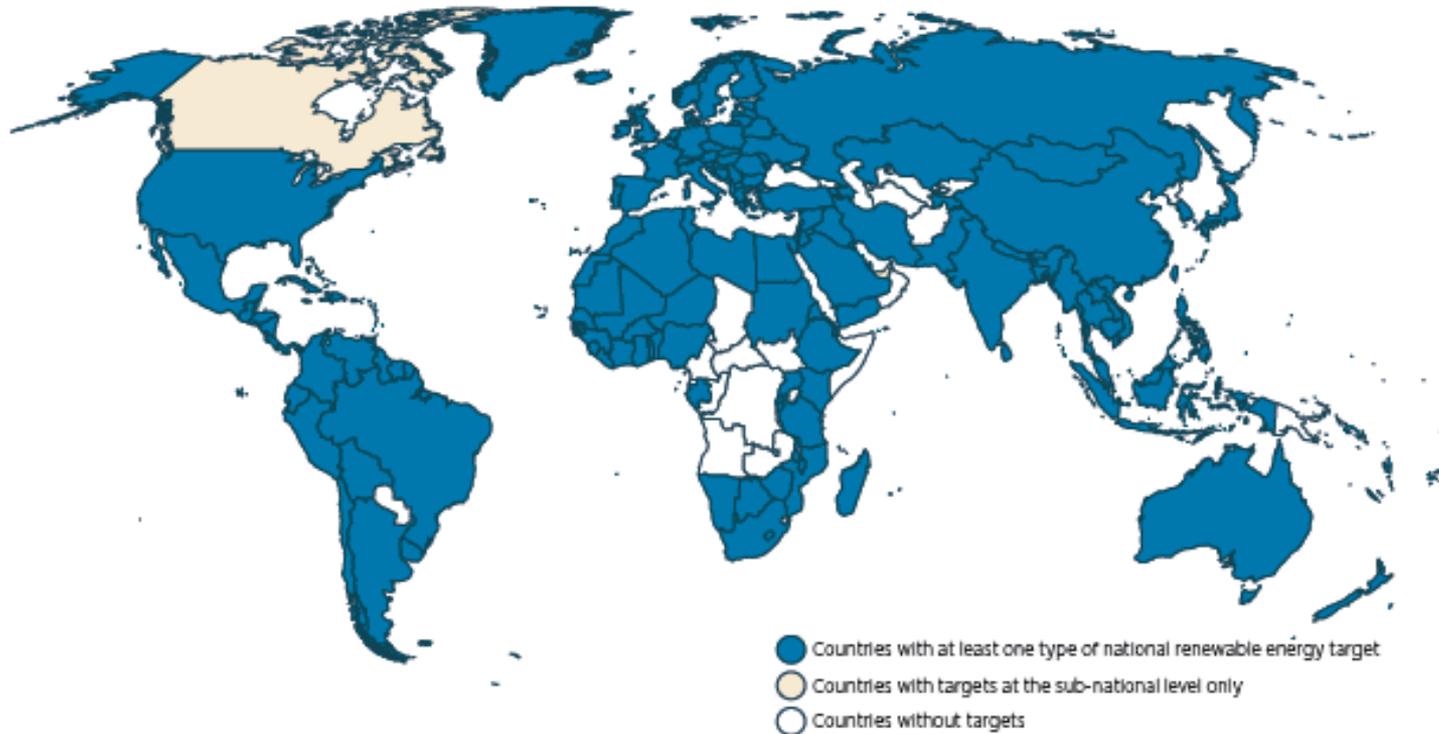


Renewable energy targets: 2005



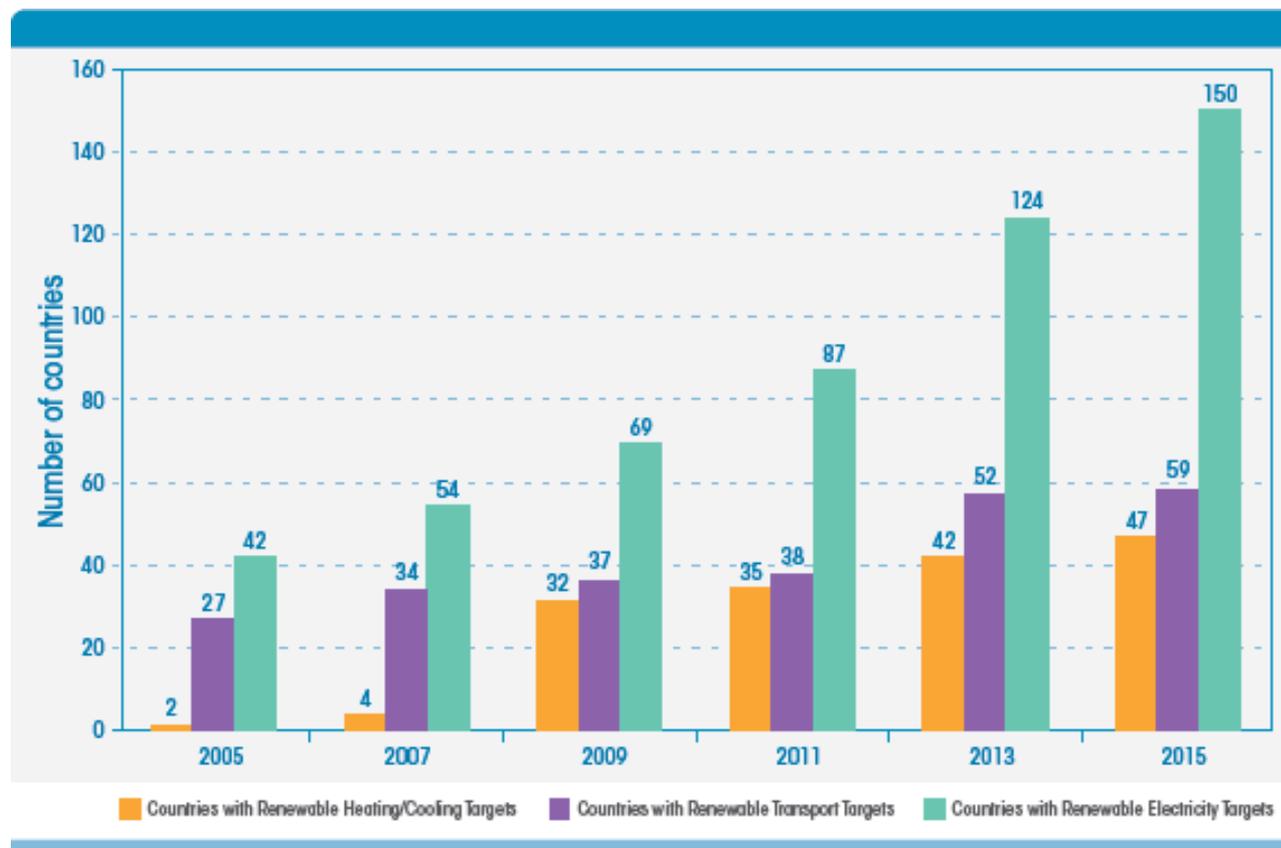
In 2005, 43 countries had renewable energy targets – mostly OECD countries

Renewable energy targets: 2015



***Today, 164 countries have at least one type of renewable energy target
–including 131 emerging and developing countries***

Evolution of RE targets by sector



Source: IRENA based on REN21, 2005, 2007, 2009, 2011, 2013, 2014.

While renewable electricity targets are the most widespread type, heating/cooling and transport sector targets have increased significantly over the last decade



What are RE targets?

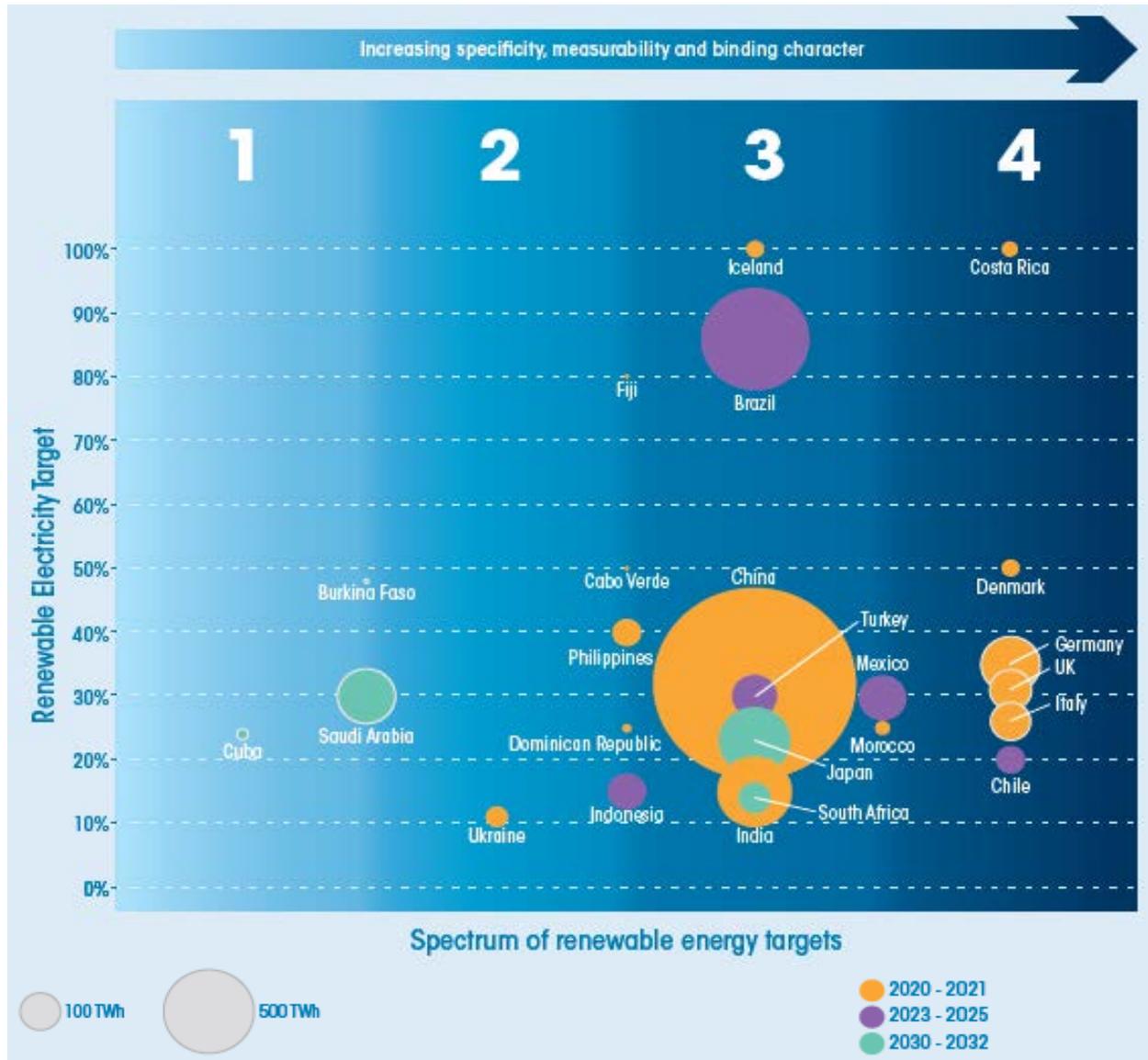
The great diversity of renewable energy targets calls for definition and context

Spectrum of Renewable Energy Targets



Renewable energy targets are numerical goals established by governments to achieve a specific amount of renewable energy production or consumption.

Current status of RE targets



1. In the *policy formulation* stage:

- Data for consultation (target feasibility), increase transparency, stimulate debate, raise awareness and acceptance.

2. In the *policy implementation* stage:

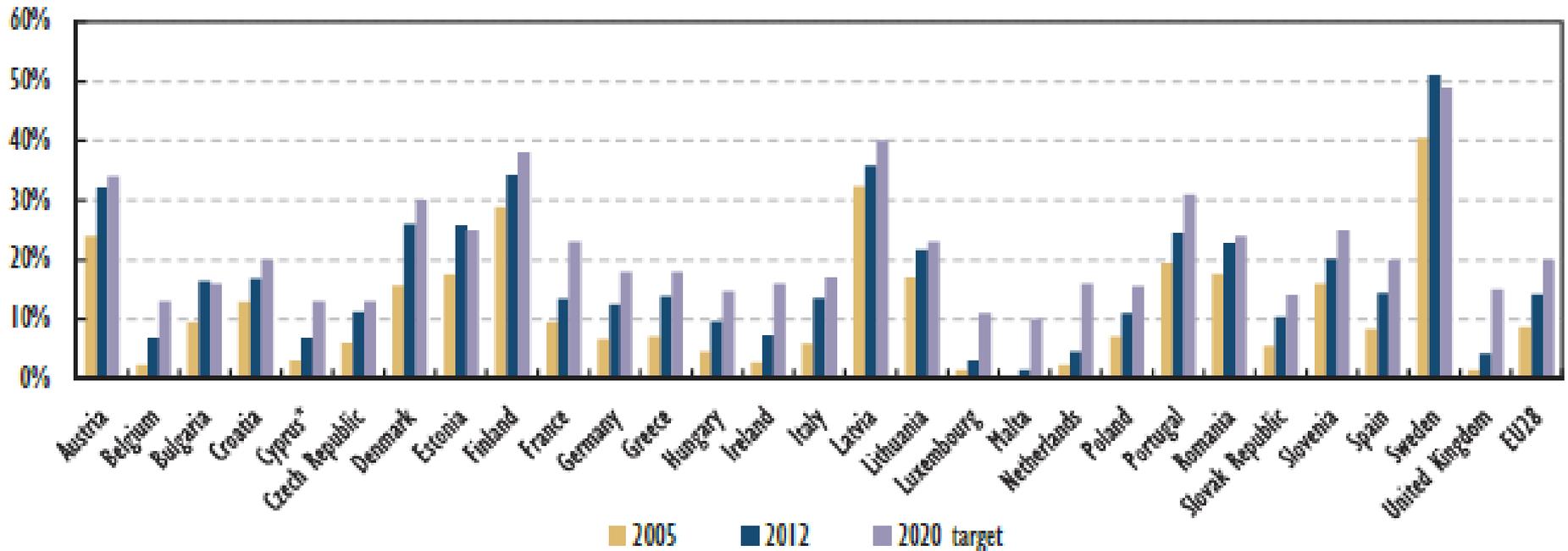
- Provide clear direction of policy to stakeholders and signal political commitment. Motivate stakeholders to take action.

3. In the *policy monitoring and evaluation* stage:

- Supply data for evaluation and adjustments.
- Show deficiencies in current operations.
- Provide opportunities to take action to correct deviations.
- Expose data needs and discrepancies.

Monitoring renewable energy targets in EU Member States

Share of renewables in gross final energy consumption in 2005, 2012 and 2020 target



Source: Eurostat

1. **SDG 7 (Energy): Ensure access to affordable, reliable, sustainable and modern energy for all:**

- **Target 7.2:** By 2030, increase substantially the share of renewable energy in the global energy mix.
- **Indicator 7.2:** Renewable energy share in the total final energy consumption.

2. **Revision to EU renewables directive:**

- Biofuels target: food-based BF: 7.0% (2021) - 3.8% (2030)
- Biofuels target: advanced BF: 1.5% (2021) - 6.8% (2030)
- Energy target: advanced BF + biogas: 0.5% (2021) - 3.6% (2030)
- Advanced biofuels = biofuels from straw, forestry residues, non-food cellulosic and lingo-cellulosic material.



Thank you