

# The role of renewable energy and GERE towards fulfilling SDG 7

Ms. Margalita Arabidze  
Vice-Chair, GERE



EGRM-11 Special session

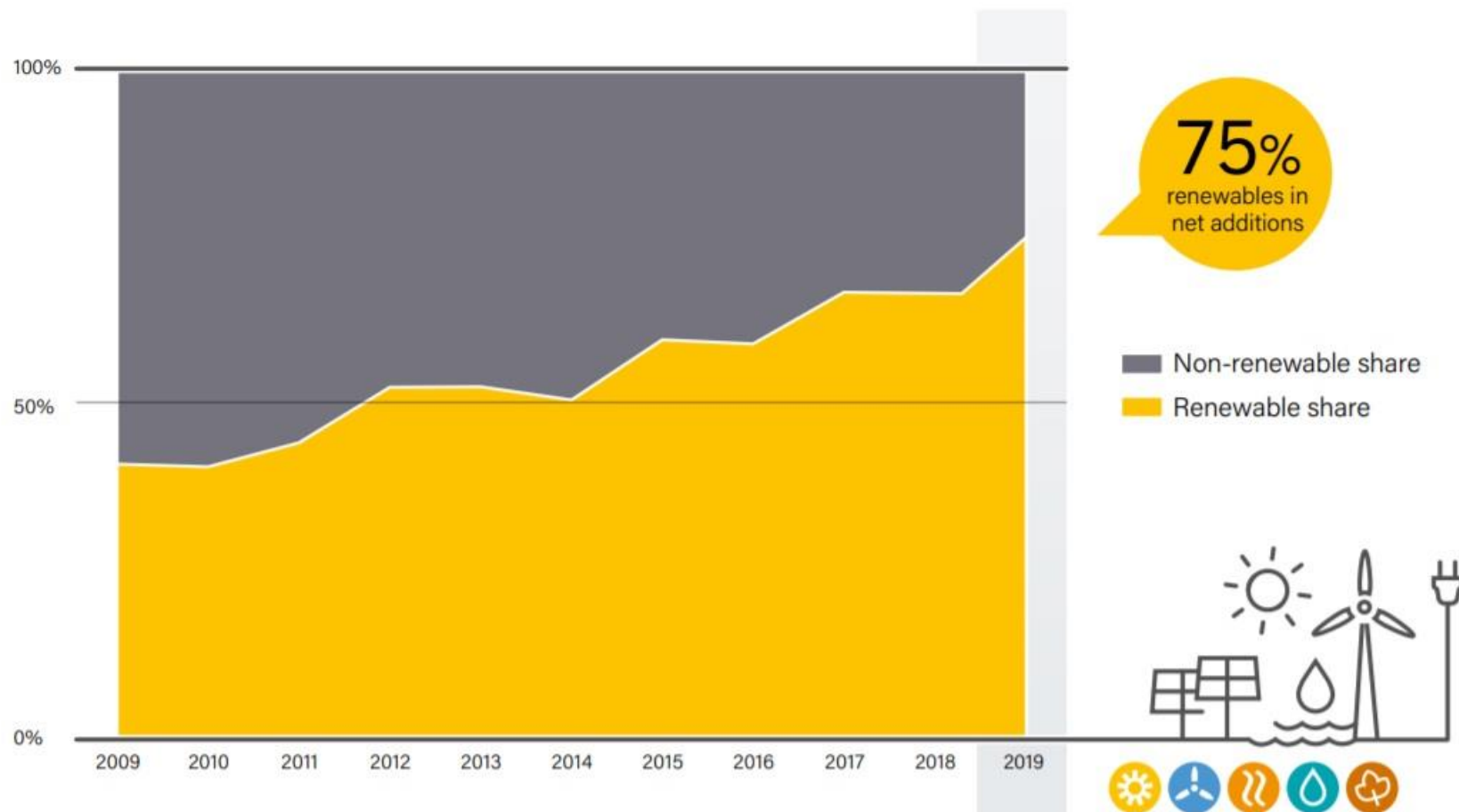
Overcoming barriers to scaling up Renewable Energy

23 September 2020

# Share of Renewables in Net Annual Additions of Power Generating Capacity, 2009-2019



UNECE



Source: REN21, 2020

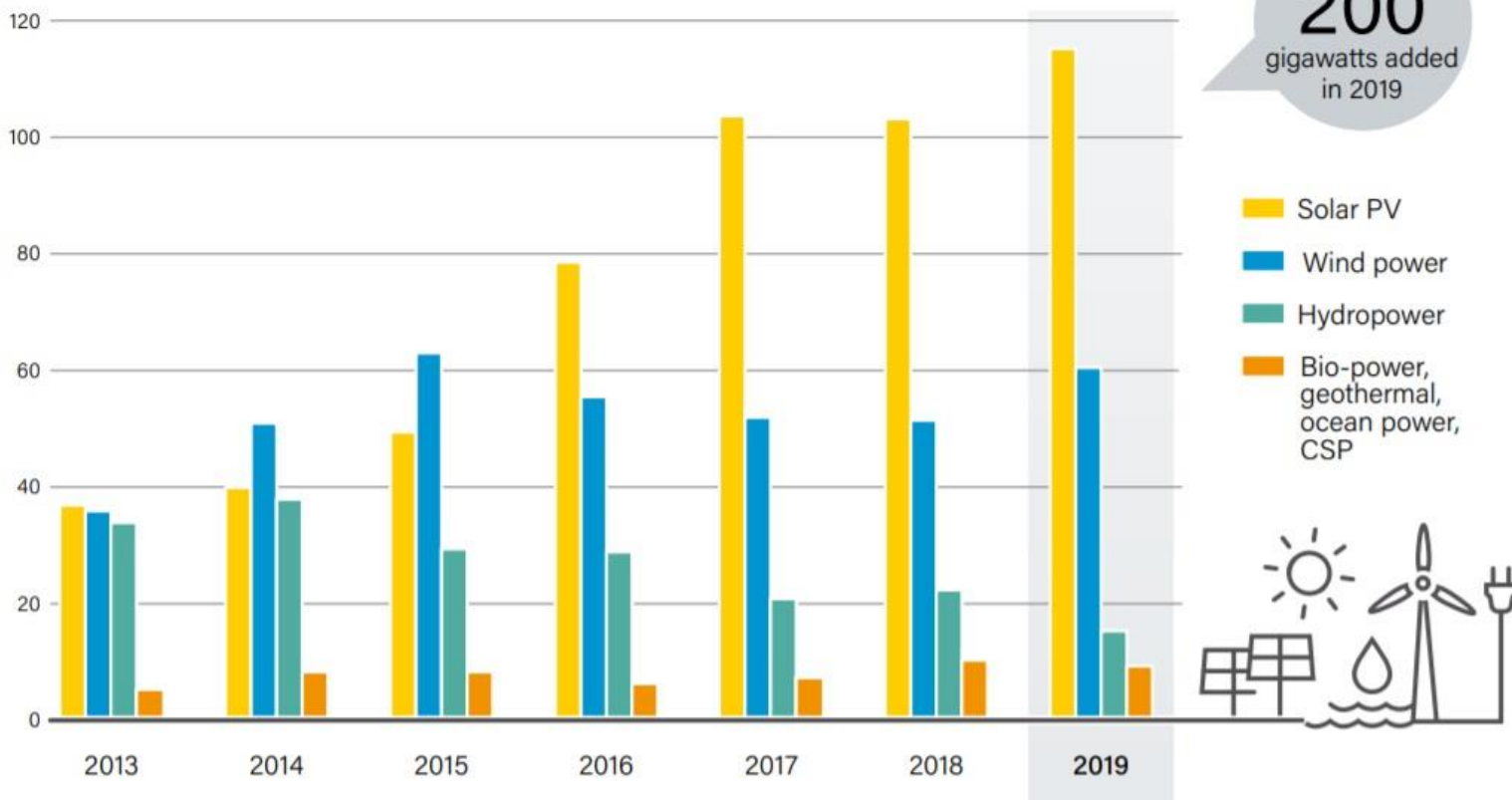
# Renewable Power Capacity by energy source



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Annual Additions of Renewable Power Capacity, by Technology and Total, 2013-2019

Additions by technology (Gigawatts)



Source: REN21, 2020

# Group of Experts on Renewable Energy (GERE)



UNECE

GERE started in 2014 as a subsidiary body to the Committee on Sustainable Energy and aims to:

- Determine the status of RE development and tracking its progress in the UNECE region
- Facilitate policy dialogue, exchange of best practices and data
- Consider the role of renewable energy within the context of future energy systems
- Promote instruments for assessing renewable energy resources and support possible synergies between renewable energy and fossil fuels in the energy production
- Identify needs, key bottlenecks and opportunities for potential investment
- Cross-cutting cooperation: GERE cooperates, *inter alia*, with the Expert Group on Resource Management (EGRM) to enhance the UNFC application and the Environment Division within the Water Convention on water-renewable energy nexus issues

# GERE Key Outputs



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- REN21 UNECE Renewable Energy Status Report (2015 & 2017, dissemination/use 2018)
- Methodology for assessing potential of wind and solar energy in the CIS country (2019)
- Financing EE and RE Investments for Climate Change Mitigation, Report (2019)
- Investment Matchmaking and RE discussions in Baku (2016), Astana (2017) and Kiev (2018) at the 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> International Forum on Energy for Sustainable Development
- Hard Talks events:
  - 2016-2017: Georgia, Ukraine, and Azerbaijan
  - 2018-2019: Kazakhstan, Bosnia and Herzegovina and Serbia
- Planned Hard Talks:
  - Russian Federation (tbc);
- 10th International Forum on Energy for Sustainable Development, 6th session of the GERE, Bangkok, 7-8 October 2019

# Work Plan 2020-2021



UNECE

- **Tracking progress in the uptake of renewable energy sources**
  - Progress tracking on the uptake of renewable energy in the region;
  - Strengthening national action plans regarding RE: REN21 UNECE Status Report;
  - Identifying obstacles for the development of renewable energies in countries: Hard Talks.
  
- **Exchange of experiences, good practices and multi-stakeholder dialogues on how to increase the uptake of renewable energy**
  - Information sharing on RE policies and measures pointing out gaps across UNECE countries; IFESD Forum/ Pathways to Sustainable Energy project;
  - Supporting the assessment of cost-effective renewable energy options (with IRENA);
  - Hard Talks to promote dialogue among key stakeholders, enhancing cross-sectoral synergies;
  - Strengthening capacity building on RE project development.
  
- **Cross-cutting cooperation to strengthen integration of renewable energy in future sustainable energy systems**
  - Cooperating with Expert Group on Resources Management (EGRM) to develop or update specifications for the application of UNFC to renewables;
  - Cooperating with other Groups of Experts, notably with the Group of Experts on Gas and the Group of Experts on Cleaner Electricity Systems;
  - Promoting sustainable renewable energy, notably through a “nexus” approach: coop. with the Task Force on Water-Food-Energy-Ecosystem Nexus and the Team of Specialists on Wood Energy.

# Thank you

**Margalita Arabidze**

GERE Vice-Chair

More on GERE:

<http://www.unece.org/energy/se/gere.html>



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