

# Republic of North Macedonia



# Introduction

- North Macedonia team
- **Ministry of economy – energy department**
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    - Economist
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    - Energy efficiency advisor
    - Electrical engineer
- **Energy Agency**
  - Natasha Stefanovska
    - **Advisor on legal-normative issues**
    - Master of Law
  - Stanislava Nikoloska
    - Advisor on Energy Policy
    - Bachelor of Political Science

# • Republic of North Macedonia

- Location: Balkan peninsula
- Capital city: Skopje
- Population: around 2 milion
- Area 25,713 km<sup>2</sup>
- Religions: Orthodox Christians and Muslims



# Renewable Energy in North Macedonia

- **Legal acts:** Energy Law, Strategy for energy development up to 2040, Rulebook on RES, Decree for support measures,
- **Portfolio of electricity producers from RES in North Macedonia:** large hydropower plants (over 10 MW), small hydropower plants (less than 10 MW), wind power plants, PV power plants, biogas thermal power plants and biomass thermal power plants.

Type of power plant	Number of power plants	Installed capacity (MW)	Share in the total installed capacity (%)	Production (GWh)	Share in total production (%)
<b>Total</b>	<b>295</b>	<b>779,96</b>	<b>37,10%</b>	<b>1.498</b>	<b>29,22%</b>
<b>Hydro (Large)</b>	10	586,65	27,90%	1.003	19,56%
<b>Hydro (small)</b>	107	119,2	5,67%	284	5,54%
<b>Wind</b>	1	36,80	1,75%	117	2,28%
<b>Solar</b>	173	29,72	1,41%	37	0,72%
<b>Biogas</b>	3	6,99	0,33%	57	1,11%
<b>Biomass</b>	1	0,60	0,03%	0	0,00%

- **Share of RES in gross final energy consumption in 2020 – 19,3%**
- **Support mechanism – feed-in tariff and feed-in premium**

# Community experience

“Program for promotion of renewable energy sources and improvement of energy efficiency in households” 2007-

The Government promotes the use of RES and EE in households by providing incentives under an annual National Programme. The implementer of the programme is the Ministry of Economy realizing the following support schemes stipulated in the programme:

- up to 30% reimbursement, but not more than 150 EUR (~10,000 MKD), of the costs for purchasing and installation of solar thermal collector system;
- up to 50% reimbursement, but not more than 400 EUR (~25,000 MKD) of the costs for purchasing and installation of PVC or aluminium windows;
- up to 50% reimbursement, but not more than 350 EUR (~20,000 MKD) of the costs for purchasing pellet stove.
- up to 30% reimbursement, but not more than 1000 EUR (~62,000 MKD) of the costs for purchasing PV equipment to install on a rooftop for own consumption (prosumers)

\*Part of these subsidies are intended to people with low income



# Expectations from the course

- upgrade the knowledge in RES development
- share experiences and learn from other countries' best practices
- gain knowledge about renewable energy's role in transition toward zero-carbon economy
- Improve the national concept on energy poverty
- improve the environmental awareness



An aerial photograph of a large solar farm installed on a hillside. The solar panels are arranged in neat, curved rows following the contour of the land. In the background, several tall communication towers stand on a ridge. The surrounding landscape is hilly and covered with sparse vegetation.

Thank you for your attention

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