

## 10<sup>th</sup> Regional Exchange of Modelling Experts involved in the Development of Integrated National Energy and Climate Plans (NECPs) in the WB6

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### Summary of the roundtable introduction of national teams

#### Building up modelling capacity for integrated energy and climate planning

Virtual exchange via MS Teams, 17-Nov-21, 09:00-10:30 am CET

#### Agenda

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Presentations of national teams

- Introduction of team members incl. respective responsibilities and specific expertise;
- Introduction of (modelling) tools and approaches used for NECP development;
- Status of modelling work;
- Optional: current/ past challenges.

#### Participants

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The meeting was attended by colleagues from ministries and/or academia of Albania, Bosnia-Herzegovina, Kosovo\*, Montenegro, North Macedonia and Serbia as well as by experts from Fraunhofer ISI, the Energy Community Secretariat (ECS) and GIZ.

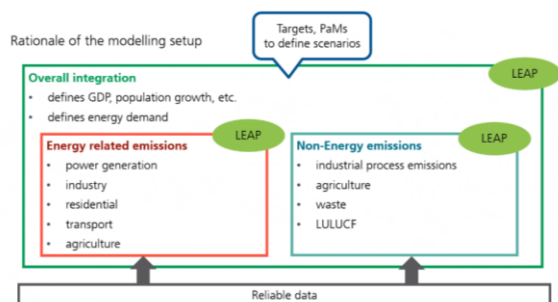
#### Summary of the meeting

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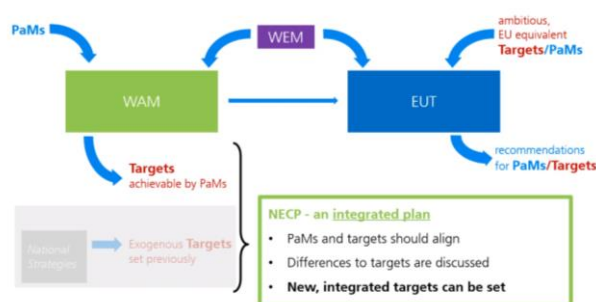
Both organizers welcomed the participants and invited national teams to introduce themselves.

**Montenegro's team** was presented by Bozidar Pavlovic/ Ministry of Capital Investment (MoCI). He introduced the external experts who support NECP development in Montenegro with GIZ assistance, namely Susanne Geissler/SERA in charge of coordinating the drafting, Fraunhofer Institute for System and Innovation Research (ISI) and Johannes Eckstein in particular – responsible for the modelling, and the national company Eco Energy to provide local support. He pointed out that the National Statistics Office (MONSTAT) and the Environmental Protection Agency provided data and therefore significant support to the modelling work as well. Montenegro leverages on the Low Emission Analysis Platform (LEAP) developed by the Stockholm Environment Institute (SEI). He explained the modelling concept and the scenario logic (see below). He also mentioned that Fraunhofer ISI currently trains the Government in using the LEAP model.

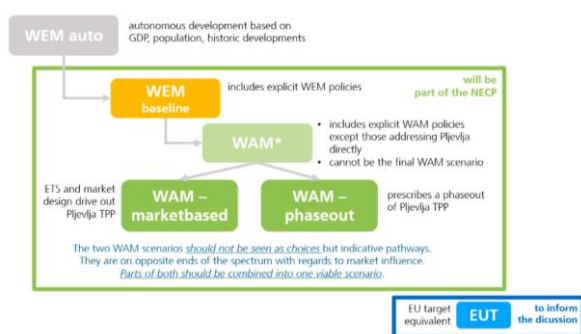
## Modelling concept: Sectors and tools



## Modeling concept: Role of targets and PaMs



## Modelling: Scenario logic



**Kosovo's team** was presented by Arberesha Isufi/ Ministry of Economy. The Ministry acts as the co-chair for NECP drafting and as the focal point regarding modelling issues. Two experts from North Macedonia, Biljana Cherepnalkoska and Zdravko Stefanovski, had been engaged in NECP model development by GIZ, leveraging on the LEAP. Kosovo\* currently amends its National Energy Sector Strategy with technical assistance of Tetra Tech. Once this work is finalized, the three NECP policy scenarios might need to be revised accordingly, while the revision of the reference scenario should not be necessary to the same extent. However, the National Energy Strategy and the NECP are supposed to be fully compatible. In the meantime, Fraunhofer ISI conducts a two-day LEAP training.

**Bosnia-Herzegovina's team** was presented by Tamara Bajkusa/ Ministry of Foreign Trade and Economic Relations (MOFTER). The Ministry is in charge of defining basic principles and policies being the base for the NECP, as well as of developing the NECP document together with Entity Ministries. Work on entities' energy and climate plans is currently being conducted. Bosnia-Herzegovina also leverages on LEAP for the definition of their energy and climate related targets. Models are being developed on state and entity level. The baseline scenario as well as the target scenarios are still to be finalized together with the modelers. Current scenarios span the period up to 2030. GIZ does not only support the modelling (team), but also the establishment of modelling centers and the training of state and entity representatives and the electricity productions companies. The training itself is conducted by the LEAP founders of SEI.

**Albania's modelling work** was introduced by Artur Pilkati/ Ministry of Infrastructure and Energy (MIE). He pointed out, that there is no dedicated team within the Ministry being engaged in the NECP modelling work and that institutions in general show a lack of expertise

in developing long-term models. However, Albania also decided to leverage on the LEAP to provide the analytical basis of the NECP. LEAP could be accommodated by Albanian Institutions in the future. To date, GIZ offers technical assistance for the modelling work itself and also for the upcoming training of the National Agency for Natural Resources, both conducted by Fraunhofer ISI. Albania has officially submitted their draft NECP to the Energy Community Secretariat in summer 2021. A Strategic Environmental Assessment has been prepared as well and will be put up for public consultations at the end of November 2021.

**North Macedonia's team** was introduced by Aleksandar Dedinec/ Macedonian Academy of Science and Art (MANU) on behalf of Natasa Markovska, Verica Taseska-Gjorgievska and other colleagues of the MANU team. MANU has developed the MARKAL-Macedonia model underlying the Strategy for Energy Development of North Macedonia until 2040 and also the country's NECP. More precisely, the NECP is based on the Green Scenario from the Strategy for Energy development augmented with the policies and measures from the industry, agriculture, forestry and other land use and waste sectors. North Macedonia has officially submitted their draft NECP to the Energy Community Secretariat in summer 2020.

Serbia's NECP modelling team has not been introduced this time. However, a colleague from Serbia, Ilija Batas-Bjelic from the Institute of Technical Sciences at Serbian Academy of Sciences and Arts (SANU), introduced himself and mentioned his latest research paper on National Energy and Climate Planning in Serbia.

Being asked about the deadline for NECP submission, the Energy Community Secretariat informed that the Clean Energy Package including the Governance Regulation will be tabled for adoption at the next Energy Community Ministerial Council meeting on 30-November-2021. This decision is supposed to come along with an updated submission deadline, namely 2023 for NECP drafts and 2024 for final NECPs. However, the Secretariat encouraged Contracting Parties to finalize and adopt their NECPs which are currently being developed, so that those plans can already start contributing to the national decarbonization processes.

Before closing the meeting, organizers asked again for volunteers to help organizing and moderating one of the upcoming exchanges. **The next Regional Exchange of Modelling Experts involved in NECP Development will take place on 15-December-2021, from 09:00-10:00 am.**