



Sub-Regional Workshop on Energy Assessments

Hosted by

The Government of Slovenia

through the

Jožef Stefan Institute

Ljubljana, Slovenia

15 to 16 November 2022

Ref. No.: ME-RER2018-2205833

Information Sheet

Purpose

The purpose of the event is to discuss and share experience on national modelling practices for assessing long-term energy scenarios and to agree on the modalities for the future development of a sub-regional, multi-country long-term energy model.

This model will be set up to allow for assessments of energy developments in neighbouring countries and their implications on one another. It will enable assessments of a more efficient sub-regional use of resources and trade options, and provide insights on prioritising related sub-regional and national infrastructure projects.

Working Language(s)

The working language(s) of the event will be English.

Deadline for Nominations

Nominations received after **23 September 2022** will not be considered.

Project Background

The TC project RER2018 “Analyzing Low Carbon Pathways towards an Ambitious Decarbonized Energy Sector by 2050” builds on the previous TC project RER2017. It was designed to support the development of energy strategies for climate change mitigation in line with the Paris Agreement, including country plans for the implementation of Nationally Determined Contributions (NDCs) and – as relevant for EU and Energy Community countries – integrated National Energy and Climate Plans (NECPs). It further aims to support Member States in their preparation for submitting related updates, which are due for NDCs by 2025 and for NECPs by 2023 and 2024, respectively, for the draft and final updates.

A key element of this project is capacity building support for assessments informing the development of such energy plans and strategies, drawing on insights gained from national and sub-regional energy models. The workshop presented in this information sheet will set the stage for developing such a sub-regional energy model. It is complemented by a number of subsequent (sub-)regional events held as part of this project, as well as related national activities. In combination, these activities are intended to lead to the development of a multi-regional energy model.

No specific modelling tools is imposed for national modelling efforts. However, a freely accessible sub-regional supply model is foreseen as a final output, expected to be based on MESSAGE. This will allow sharing the model with all participating Member States. A documentation of its key inputs and outputs will also be accessible to ensure the sub-regional model may inform the setup of any other national modelling tools, e.g., by providing insights on imports and exports, or by providing a template regarding assumptions and data to be integrated into these other national tools. Support to translating the sub-regional model into national modelling tools may be offered by the IAEA upon requested.

It is expected that the main contribution to the development of the national models forming the basis of the sub-regional model comes from designated teams of experts from the participating Member States. However, IAEA experts may work towards filling any ‘country-gaps’ to allow for a geographically continuous sub-regional model.

Expected Outputs

The expected main output of this workshop will be a work plan and timeline for the subsequent development of a multi-country energy model, including the identification of the potential contribution of Member States interested in participating in this effort. Another output of this event is an improved understanding of energy assessment practices and experiences in neighbouring countries, including modelling tools applied.

Scope and Nature

This event will serve to exchange experiences on assessing strategic sub-regional and national energy developments and infrastructure projects, as well as related national energy modelling efforts. Discussions on the national modelling efforts will focus on topics such as modelling methodologies, key input assumptions, links with neighbouring countries, and main findings. In line with this, selected participants may be invited to present on their national modelling practices for assessing long-term energy scenarios and related capacity expansion planning.

Furthermore, the subsequent development of a sub-regional energy model (see Section on ‘Project Background’) will be discussed to identify Member States interested in taking part in this effort. More specifically, discussions will focus on a harmonised outline for national energy models to allow for their integration into the sub-regional model. This includes key energy demand and supply scenarios to investigate, model structure, main input assumptions and results to be reported on. A workplan and timeline with deliverables for this modelling effort will be agreed upon and the composition of designated national modelling teams contributing to this effort will be discussed.

Participation

The workshop is open to up to participants from selected Central and Southeast European Member States participating in RER2018. These countries include Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Hungary, North Macedonia, Moldova, Montenegro, Romania, Serbia and Slovenia.

Participants’ Qualifications and Experience

Participants should be specialists in energy and electricity sector planning from institutions involved in the development of national energy plans and strategies, such as ministry in charge of energy, specialised organisations/institutions involved in energy sector planning and development, transmission system operators, or academia. The participants should be directly engaged in developing national energy plans and strategies and thus possess an in-depth understanding of energy and electricity sector development issues. They can be engineers, economists or environmental specialists.

The nomination of two participants per Member State is encouraged, if they come from different institutions directly involved in energy planning.

Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
 - b. Search for the relevant technical cooperation event (EVT2205833) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to InTouchPlus.Contact-Point@iaea.org.

Should online application submission not be possible, candidates may download the nomination form for the meeting from the [IAEA website](#).

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

Disclaimer of Liability

The organizers of the event do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the course, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

Note for female participants

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

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