



Regional Training Course on Assessing Demand-side Contributions to Energy and Climate Strategies

Hosted by

The Government of Cyprus

through

The Cyprus Institute

Nicosia, Cyprus

2 to 13 November 2020

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Information Sheet

Purpose

A key contribution to greenhouse gas emission reductions in support of achieving the Paris Agreement is expected to come from energy demand-side measures. Related emission reductions mainly result from (1) energy efficiency improvements, (2) fuel switching to lower carbon energy sources, such as through an electrification of energy demand, and (3) behavioural changes, such as through an increased use of public transport. While some of the associated emission reductions will materialize without any government interventions due to technological progress and consumer choices, others will require policy measures to facilitate their realization, such as through financial incentives, standards or regulations.

The purpose of the event is to train the participants on how to evaluate and prioritize measures to reduce energy demand related emissions based on their potential contribution to national energy and climate strategies. Required support for realizing their implementation will also be looked into, as well as strategies for communicating findings to decision makers. The event will further be an opportunity to share regional experiences and practices in the participating Member States. Selected approaches and tools will be covered in more detail, including the IAEA's Model for Analysis of Energy Demand MAED to assess the potential scale of future emission savings, and greenhouse gas abatement cost curves as an approach to communicate findings and prioritise action based on the measures' effectiveness.

Working Language(s)

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

Deadline for Nominations

Nominations received after 30 July 2020 will not be considered.

Project Background

The Paris Agreement, adopted at COP21 in 2015, sets a target for holding the increase in the global average temperature to well below 2°C above pre-industrial levels, preferably below 1.5°C. To achieve this target, the Paris Agreement calls on all countries to prepare, communicate and maintain successive Nationally Determined Contributions (NDCs). NDCs are national climate plans outlining concrete targets, policies and measures that governments aim to implement as a contribution to global climate action. Energy systems are the major source of greenhouse gas (GHG) emissions. Developing national strategies for reducing energy related emissions are thus essential for complying with the Paris Agreement. In line with this, the EU requires its Member States to develop Integrated National Energy and Climate Plans (NECPs) from 2021 to 2030, taking into account the ‘energy efficiency first’ principle.

The TC project RER2017 “Assessing the Role of Low Carbon Energy Technologies for Climate Change Mitigation” was designed to support the development of energy strategies for climate change mitigation in line with the Paris Agreement, as well as country plans for the implementation of Nationally Determined Contributions (NDC) and National Energy and Climate Plans (NECPs). It is a platform to discuss the main features and challenges of such plans and supports assessments of the economic feasibility of energy technology mixes, including nuclear power, and considering political, socio-economic, commercial, technical, and financial issues, as well as associated risks. Through a series of workshops, trainings and expert assignments, the project will contribute to exchanging experience and best practices among Member States and to strengthening capacities for energy and climate strategy development in Member States. The project will also offer additional support to those Member States engaged in the development of national studies in line with the project’s objectives.

Expected Outputs

The expected main output of this event is an improved understanding of the potential of energy demand related emissions reductions as part of national energy and climate plans and strategies. In line with this, the event will build capacities to apply approaches to evaluate related measures, prioritise them and communicate them to decision makers. It will be encouraged that these approaches are applied as part of ongoing or future national studies.

This event will thus contribute to the achievement of the overall output of the energy planning component of the TC project RER2017, i.e., strengthened expertise to evaluate and assess (low-carbon) energy technologies and their contribution to climate change mitigation to support defining commitments under the Paris Agreement.

Scope and Nature

The event will introduce participants to approaches for assessing and prioritising measures to reduce energy demand related emissions in support of achieving NECPs and NDCs under the Paris Agreement. Participants will investigate the main socio-economic and technological drivers and trends regarding future energy demand and related emissions in their country. They will be guided in the application of assessment approaches to compare the costs of various measures and their impacts on future emissions, applying tools such as emission abatement cost curves and the MAED model. Communication and implementation strategies will also be discussed, drawing on experiences and practices in their countries.

The workshop will comprise lectures, discussions and work sessions. The lectures will be given by both invited experts and IAEA staff members, which may be complemented by individual presentations given by selected workshop participants. Discussion sessions will facilitate the sharing of regional experiences. Work sessions will include hands-on modelling exercises to deepen the participants' understanding of how to assess end-use measures. Participants should thus come equipped with their laptops.

Participants should be well aware of their countries' energy and climate strategies and plans, specifically regarding the potential role of demand-side emission savings measures for climate change mitigation. As a further preparation to this training, participants are expected to do some background research on the contribution of the sectors households, industry, services and transport to national greenhouse gas emissions. They should further identify the drivers affecting energy demand growth in these sectors, including demographic and economic trends. If available, participants should bring along studies on national energy demand scenarios, their national energy demand models and supportive statistics and projections.

Participants will be encouraged to reach out to relevant national institutions to share the findings of this event and apply the discussed approaches as part of currently ongoing or upcoming studies. Separate future national and/or sub-regional events may be organised to support those participants from Member States engaged in such studies.

Participation

The workshop is open to participants from each of the participating Member States of RER2017.

Participants' Qualifications and Experience

Participants should be specialists in energy, electricity sector planning and environment/climate policy analysis from institutions mandated with the development of national energy plans and strategies. Ideally, they are involved in the development of demand-side strategies for climate change mitigation. They can be engineers, economists or environmental specialists.

The nomination of two participants per MS is encouraged, one from an institution in charge of developing energy plans and strategies and one from an institution in charge of developing climate strategies, such as NDCs, NECPs and other related long-term strategies.

Priority will be given to participants who demonstrate that they intend to apply the approaches discussed in this event as part of national studies.

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 (EVT2002446) 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 training course 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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