Joint Concept Note

Session Organizers:

International Atomic Energy Agency and NGO Objectif Sciences International

Title of the session:

Energy decarbonization and universal access: Participatory Science and Stakeholder Capacity Building in Sustainable Energy Development

Brief description of the session (including topics to be covered) - (Max 600 characters) *

The first part of the workshop will introduce the IAEA's capacity building program for sustainable energy development offered to stakeholders from national institutions, policy & decision-making bodies & energy policy agencies & companies engaged. Selected case studies will be presented. OSI will use the second part to demonstrate that participatory science allows both to support the implementation of solutions, and to create new solutions for SDGs involving citizens & stakeholders: We will show how to design participatory science and how it contributes to a strong empowerment of the actors.

Key Objectives of the course, including contribution to the 2020 HLPF theme (Max 600 Characters)

1. Enhance participants' skills & knowledge on sustainable energy planning, including model-based scenario analysis for evidence-based decision-making. 2. Discuss key elements of an effective capacity building. 3. Present example case studies with focus on energy decarbonization and universal access. 4. Demonstrate the benefits, for a government, a NGO & citizens, of using participatory science to achieve SDGs. 5. Present the OSI methodologies, toolbox, road maps & project-based learning technologies, as well as a list of main interlocutors and citizen science networks that exist in the world.

Please, describe how the proposed workshop contributes to knowledge exchange and capacity building related to any of the GSDR entry points and/or to the promotion of partnerships. (600 characters maximum) *

Utilizing the experience of Member States in sustainable energy planning, the IAEA will showcase the capacity building practices and the use of IAEA energy modelling tools to support decision making on energy decarbonization.

The IAEA has strong regional & global capacity building networks on energy decarbonization, thus it helps partnerships within these well-established networks.

OSI will then illustrate, through concrete examples from past real action and delivery for sustainable development, how the different partners can be involved, within the framework of the participatory science format.

Training Methodology (panel discussion/technical briefing/ presentation of case studies/ workshop with practical exercises) - (Max 700 characters) *

The session (1h30) will include two related sub-sessions:

(1) sub-session: IAEA (presentation 40 mins and Q&A 5 mins)

- Capacity Building Programme in Sustainable Energy Development
- Presentation of selected case studies and success stories

(2) sub-session: OSI

A presentation on 'learning by doing' process for all:

- Presentation of the concept illustrated with concrete cases of participatory projects contributing to the SDGs all over the world (~10 min)
- Simulation of the design of a participatory research project specifically targeting the Sustainable Energy Development (~35 min)