



2024-2026 workplan discussion

**Renewable Energy Committee
for the future Energy Transition Committee**

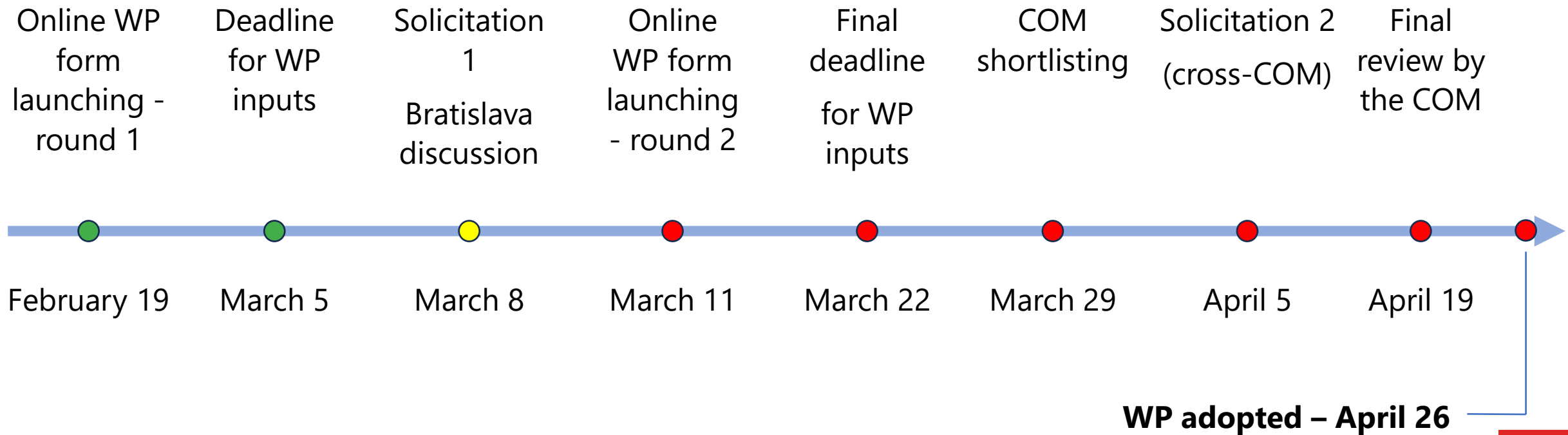
RE COM Vice-Chair
ERRA Secretariat



ERRA Renewable Energy Committee meeting

March 8, 2024 | Bratislava, Slovakia

Tentative workplan timeline



Online workplan form

– your input until March 22 is critical!

- The ownership of the workplan belongs to all committee members and as such its creation is a collegial exercise.
- Every idea proposed is a valuable input!

➔ <https://erranet.org/2024-26-online-workplan-form-for-erra-et-com/>


(the password for access is: *ERRAcom2024*)


- Please remember that we ideally need **4 inputs per topic**:
 - ✓ Topic name
 - ✓ Topic description
 - ✓ Topic format (Case study, Roundtable, Report, Leading Presentation, Discussion)
 - ✓ Your „position“ towards the proposed topic:
 - **'Input-type'** item – you or your organization is ready to contribute with expertise
 - **'Output-type'** item – you or your organization does not possess expertise and wants to learn about the topic


Topics collected so far 1-5

(rough list)

Proposed Topic	Proposed Format	Description
Grid capacity problems in case of RE share increase	Case study (CS)	In Armenia we have a problem of transmission grid capacity, as the increase of RE share brings to dispatching problems. We would like to know how other countries faced this issue, and if they have implemented any restrictions
Energy transition among fossil fuel dependent and emerging economies – how to finance infrastructure projects and develop adequate regulations.	Report (R)	The role and functions of the state in the energy transition. Obligations placed on countries to develop renewable energy sources.
Renewable gases – regulations, lessons learnt, impacts on the sector	Report (R)	Renewable gases, which can make a significant contribution to the energy transition, are currently a much-discussed topic. We would be very pleased to discuss this issue in cooperation with other members along the whole chain from production to consumption, especially in the area of principles for determining investment/operational support for production, supply traceability through tracking mechanisms such as GO/PoS, targeting individual segments such as transport or CHP production, etc.
RES Support schemes: Feed-in tariffs, feed-in premiums, auctions, etc.; and their impacts on investors and other stakeholders, as well as on the speed of substituting fossil generation. (x2)	Roundtable (R)	A thorough assessment of the effectiveness of various RES support schemes, such as feed-in tariffs and auctions, is crucial. Analyzing their impact on investors, and consumers, and the speed of replacing fossil fuel generation provides valuable insights for regulators when designing efficient and sustainable energy frameworks.
Solutions for incentivizing renewable heating and cooling. (x2)	Roundtable (R)	This could be a new topic, considering that the installation of new gas boilers will be prohibited from 2026 and a support program for their replacement is available.

 'Input-type' proposal

 'Output-type' proposal

 No Indication

Topics collected so far 6-9

(rough list)

Proposed Topic	Proposed Format	Description
Hydrogen – market design, feasibility of establishing markets and the supply chain, regulations. (x2)	Roundtable (R) / Report (R)	creation of a thorough work plan for integrating hydrogen blending into the current natural gas networks. This plan seeks to maintain the efficiency, safety, and dependability of the gas supply while facilitating a seamless transition to cleaner energy sources.
Decentralization: Distributed generation; prosumers, RES communities and other new roles in the evolving energy landscape.	Report (R)	In the context of the 4th Energy Package (Clean Energy for All Europeans), decentralization remains crucial for continued focus by GNERC and other European energy regulators. The emergence of distributed generation, prosumers, and RES communities requires a re-evaluation of existing network models and regulatory frameworks. Understanding the roles and impacts of these new actors within the evolving energy landscape is critical for effective regulation.
Enhancing power system flexibility options: energy storage and demand response; challenges in RES integration; price and non-price mechanisms. (x3)	Case study (CS) / Leading Presentation (LP)	As the integration of RES continues to rise, exploring solutions to enhance power system flexibility becomes paramount. This includes investigating the potential of energy storage and demand response while addressing the associated challenges related to price and non-price mechanisms. Energy Storage (BESS) services to be provided and procurement (regulated assets, liberalized market...)
Non-price support mechanisms for RES: Land usage rights, connection privileges, tax exemptions, priority dispatch, single buyer, improved administrative procedures (x2)	Roundtable (R)	Recognizing the significance of diverse non-price support mechanisms for RES, GNERC prioritizes the evaluation of connection privileges, priority dispatch, and Guarantees of Origin. This assessment is critical for achieving a successful and well-coordinated renewable energy transition, ultimately securing a sustainable energy future for all stakeholders.

Topics collected so far 10-15


(rough list)


Proposed Topic	Proposed Format	Description
The EU 4th Energy Package	N/A	The transposition of the 4th Energy Package remains GNERC's primary focus for the coming years. To maximize its effectiveness, the committee's agenda should encompass all critical aspects of the package, particularly the most pressing hot topics.
Guarantees of origins for renewable gases and hydrogen (x2)	Case study (CS)	Best practice examples from other ERRA member countries on guarantees of origin systems for renewable gases and/or hydrogen.
Energy efficiency and related regulatory challenges. (x2)	Case study (CS) / Report (R)	This could be one of the TOP topics, considering the regulator's challenges in making a decision related to the formation of energy communities and direct lines.
Offshore wind	Leading Presentation (LP)	The topic should cover role of regulator - tender organization procedures (usually done by NRA) and related regulations (rules for tender), usage of IT tools for auctioning, scrutiny procedures of participants. The topic should also reveal the variety of tender models (premium to the state, CfD, taking responsibility for environmental impact assessment, possibility of common interest projects etc.). I am ready to make introductory presentation, and after discussion in committee we should decide either this topic is useful for most of the delegates.
Energy batteries	N/A	N/A
Examining Regulatory Roles in Advancing Electric Mobility Infrastructure	Leading Presentation (LP)	As a sub-topic: A database for EV charging service tariffs under the ERRA umbrella could be discussed.

Topics collected so far 16-21

(rough list)

Proposed Topic	Proposed Format	Description
Navigating the Future Role of Regulators in Hydrogen Markets	Discussion (D)	Engaging in a comprehensive discussion that not only covers the technical aspects of hydrogen but also delves into the crucial role of regulations in shaping the future of hydrogen as a clean and sustainable energy source.
Carbon Markets and the Role of Regulators	Discussion (D)	Just like in the EU, the carbon market in Türkiye is planned to be established under the energy exchange (EPIAS). It is known that allowances were not considered as a financial instrument in the EU ETS until 2018. With the amendment made in 2018, carbon market has been started to be regulated by European Securities and Markets Authority. In Türkiye, allowances are not seen as a financial instrument, as in the EU between 2005 and 2018 and in almost all other ETSs. It is seen as a commodity like electricity and gas. In this context, it would be useful to discuss the roles of the regulators, particularly with respect to market abuse.
Regulatory roles in facilitating new technologies (sandboxing, regulatory experimentation) (x2)	Roundtable (R)	The workshop on the sandbox held in 2022 can be repeated to discuss current developments and new examples from different jurisdictions.
Hydrogen certification schemes and standards	Roundtable (R)	N/A
Carbon Capture and Storage regulations.	N/A	N/A
Guarantee of the origin of electricity recognized internationally	Leading Presentation (LP)	This theme which will complete the certification system already in place, in harmony with international practices, will facilitate foreign trade, particularly for products for which the carbon footprint must be reduced

 'Input-type' proposal

 'Output-type' proposal

 No Indication

Topics collected so far 22-27

(rough list)

Proposed Topic	Proposed Format	Description
Setting the minimum provisions to be provided for in the CPPA	Case study (CS)	With the aim of directing manufacturers towards the use of green electricity in their production chain, the establishment of a contract model to be concluded with producers of Electricity from renewable sources constitutes an effective means for the deployment of ENR. One of the roles of the regulator is to define the essential provisions of this type of contract.
Performance checks of wind power plants: Methodology	Case study (CS)	in line with what is practiced for other energy resources, a methodology for controlling wind energy installations is necessary
Different schemes established for power system flexibility options: cost for each option and results of their use	Report (R)	in order to enhance power system flexibility options, different schemes established for power system flexibility options can be considered, this report will help to make decision.
Electrification, e-mobility and related regulatory challenges.: What are the key points for setting e-mobility strategy: benchmark of different strategies. (x2)	Report (R) / Case study (CS)	N/A
What are priorities when developing hydrogen regulation	Report (R)	N/A
Procedure for controlling electricity production installations holding operating authorizations	Leading Presentation (LP)	issued by the CREG

Topics collected so far 28-30

(rough list)

Proposed Topic	Proposed Format	Description
Requirements for granting guarantee of origin certificates for the photovoltaic and wind power sector	Leading Presentation (LP)	N/A
Digital transformation utilization in Energy transition	Report (R)	<ul style="list-style-type: none"> • Clarify how energy transition projects are being driven by digital technologies by recommending tactics and best practices for utilizing digital tools to boost hydrogen and renewable energy (such as Biogas ,...) implementation leading to sustainability, and energy efficiency. • Guidelines and frameworks for implementing those new technologies (Meters, SCADA, and simulator programs). • Identifying (KPIs) to assess how digital initiatives affect energy transition outcomes.
Emissions Management and Protocols	Report (R)	be establishing regulatory frameworks for measuring emissions, analyzing them, documenting the associated information, and presenting the data through various reports in accordance with internationally approved emission protocols, focusing on the specific emissions related to the energy system and the whole organization business plan including the capacity development plan as regulating the activities of the gas market lie in the preparation of technical, economic, legislative, and contractual regulatory frameworks, as well as compliance and conformity rules, in line with sustainability goals and environmental protection.

Other topics collected before (Oct 2023, Budapest)

- International interconnection, HVDC cables etc.
- More detailed look into prosumers, energy communities (citizen communities, renewable communities), energy sharing and related flexibility services
- Overview of the new EU renewable directive
- Agrovoltaics as element of energy communities (sub-topic)
 - special regulations, special incentives
- Biomethane production, biomethane as a source for flexibility service and support

Target number of topics in the WP

- In order for the workplan to effectively justify Committee work and meetings for the 2-year mandate period, it should contain:
 - Minimum 16 ,meeting-type' topics ✓
 - Minimum 2 reports ✓
- The 2024-26 workplan is expected to have at least a few cross-Committee topics, which makes the complitation easier and justifies joint work and meetings
- No topics (or no remaining topics) in the workplan means that the Secretariat sees no justification in holding meetings, unless we have volunteers with ad hoc topics/presentations.



**THANK YOU
FOR YOUR ATTENTION!**

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