

Technical support to the Energy Community and its Secretariat to assess the candidate Projects of Energy Community Interest in electricity, smart gas grids, hydrogen, electrolysers, and carbon dioxide transport and storage, in line with the EU Regulation 2022/869

- Eligibility of the projects-

TEN-E (PECI) Groups meeting – 2nd joint meeting of the “Electricity” and “Gases” Groups
18 April 2024

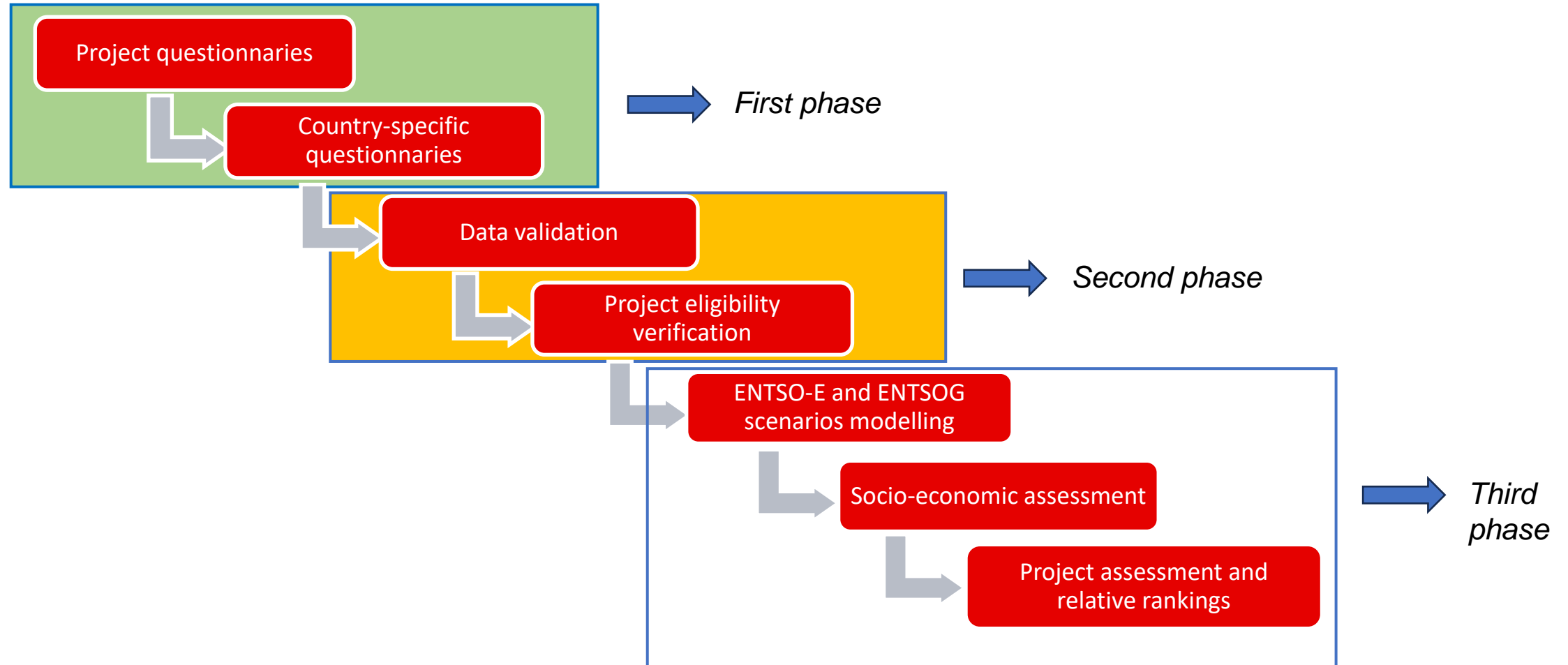
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Project activities

Activities during the project implementation

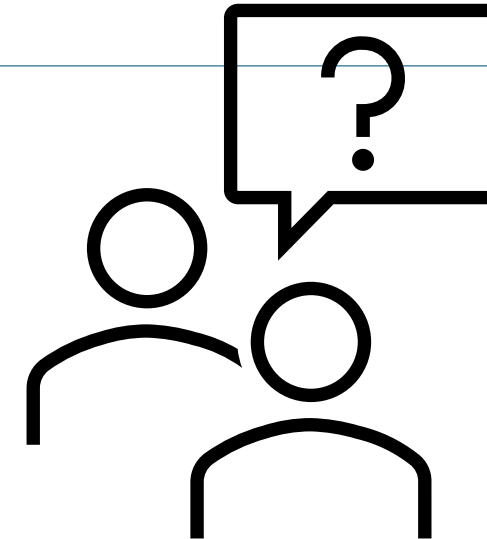


Data validation

- Data validation process

- All the received project data were validated for **technical and financial consistency**
- In case of missing compulsory data or data clarification requirements, project promoters were contacted
- Based on the received clarifications and additional data provision, the final project data sets were prepared for **eligibility verification**

No	Project name (Electricity Sector)	Request for additional inputs	Answers
1	Increasing the capacity of existing 220 kV interconnection between Bosnia and Herzegovina and Montenegro, 220 kV OHL Trebinje - Perućica	No additional inputs needed	
2	New 400 kV interconnection between Bosnia and Herzegovina and Montenegro, 400kV OHL Gacko - Brezna	Expected year of commissioning (2.3 in Technical Data sheet) specified as 'not defined'. Exact commissioning date is crucial for modelling and project assessment. To confirm if the year 2035 (based on the provided Cost Data and Status Data) can be considered as the expected year of commissioning.	According to the Cost data sheet, expected year of commissioning is 2035.
3	New 400 kV interconnection between Montenegro and Bosnia and Herzegovina, 400kV overhead line Brezna -Sarajevo 20 with construction 400/220 kV substation Piva's mountain	No additional inputs needed	
4	Trans Balkan Corridor: Double OHL 400 kV Bajina Basta (RS) – Visegrad (BA)/ Pločivlja (MN)	To proceed with the project assessment, EMS has to confirm participation.	Project can be assessed without EMS as promoter.
5	Internal transmission line 400 kV Banja Luka 6 - Mostar 4	Location of the additional substations (2.15a in Technical Data sheet) – more detailed information on the exact locations is needed. Do the locations of West Herzegovina and West Bosnia refer to Šuica and Bihac or other locations? Are the investment costs for the new substations included in the CAPEX provided in the Cost Data sheet?	According to the Technical data sheet and Status data sheet, we mentioned that those two substations will be located on the area of West Herzegovina and West Bosnia. For the area of West Herzegovina, location of the new substation should be in area of Šuica . For the area of West Bosnia, location of the new substation should be on wider area of the Bosanski Petrovac . Yes, investment costs for the two new substations are included in CAPEX, except connections on 110 kV level from those substations.



Eligibility criteria

- **Project eligibility verification** – based on the criteria defined in the TEN-E Regulation, **before the modelling activities**
- The data delivered by the project promoters were assessed to determine if each candidate project satisfies the following **general eligibility criteria**:
 - Project involves **at least two Contracting Parties** by directly or indirectly, via interconnection with a third country, crossing the border of two or more Contracting Parties;
 - Project is located on the territory **of one Contracting Parties**, either inland or offshore, including islands, and has a **significant cross-border impact**
- The projects were further assessed for additional **specific criteria per different energy infrastructure categories** based on the Regulation and relevant methodologies

Eligibility criteria

- **Specific technical criteria** that projects **must** fulfill in order to be eligible:
 - **Electricity transmission** - GTC increase of at least **500 MW**;
 - **Electricity storage** - at least **225 MW** installed capacity and a storage capacity that allows a net annual electricity generation of **250 GWh/year**;
 - **Smart electricity grids** - project involves **50 000 users, generators, consumers or prosumers** of electricity, it captures a consumption area of at least **300 GWh/year, at least 20%** of the electricity consumption linked to the project originates from variable RES, or it decreases energy isolation of non-interconnected systems in one or more CPs;
 - **Hydrogen transmission** - project enables the transmission of hydrogen across the borders of CPs concerned, or increases existing cross-border hydrogen transport capacity at a border between two CPs **by at least 10%** compared to the situation prior to the commissioning of the project;
 - **Smart gas grids** - at least one of the following specific criteria is fulfilled : network security and quality of supply by improving the efficiency and interoperability of gas transmission, distribution or storage systems in day-to-day network operation by, inter alia, addressing challenges arising from the injection of gases of various qualities; market functioning and customer services; facilitating smart energy sector integration through the creation of links to other energy carriers and sectors and enabling demand response.

General & specific eligibility criteria results

General criteria

OHLs

Increasing the capacity of existing 220 kV interconnection between Bosnia and Herzegovina and Montenegro, 220 kV OHL Trebinje – Perućica (CGES, NOSBIH/Elektroprijenos BIH)



New 400 kV interconnection between Bosnia and Herzegovina and Montenegro, 400kV OHL Gacko – Brezna (CGES, NOSBIH/Elektroprijenos BIH)



New 400 kV interconnection between Montenegro and Bosnia and Herzegovina, 400kV overhead line Brezna-Sarajevo with construction 400/220 kV substation Piva's mountain (CGES, NOSBIH/Elektroprijenos BIH)



Trans Balkan Corridor: Double OHL 400 kV Bajina Basta (RS) – Visegrad (BA)/Pljevlja (MN) (NOSBIH/Elektroprijenos BIH, CGES)



Internal transmission line 400 kV Banja Luka 6 - Mostar 4 (NOSBIH/Elektroprijenos BIH)



Reconfiguration of 400 kV grid and new 400 kV interconnection Albania-Kosovo (KOSTT, OST)



Closing the 400 kV Albanian internal Ring (OST)



330 kV OHL Balti (MD) - Dnestrovsk HPP-2 (UA) (SE Moldelectrica, NPC Ukrenergo)



Rehabilitation of 400 kV OHL Mukacheve (UA) – Veľké Kapušany (SK) (NPC Ukrenergo, SEPS)



The reconstruction of the 400 kV transmission line Pivdennoukrainska NPP (Ukraine) – Isaccea (RO) (NPC Ukrenergo, CNTEE Transelectrica SA)



General criteria

Smart electricity grids

Construction of smart 110 kV grid in "Ukraine Bessarabia" region (*DTEK Odesa grids*)



Cybersecurity management system for protection grids assets from cyber threats (*DTEK Odesa grids, Premier Energy Distribution MD*)



Energy storage

DTEK STORAGE 225 MW (*DTEK*)



Pump Storage Plant Koman and Fierza (*KESH, Ministry of infrastructure and energy*)



Hydrogen

Internal hydrogen infrastructure in Federation of BiH in connection with H2T Southern Interconnection BiH/CRO (*BH-Gas d.o.o. Sarajevo*)



Gas interconnection Serbia – North Macedonia (100% H2 Ready) (*NOMAGAS JSC Skopje, PE Srbijagas*)



Smart gas grids

Increasing capacities on the Trans-Balkan route with the integration of the Hydrogen element (*"Vestmoldtransgaz" LLC*)



Specific criteria

OHLs

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Internal transmission line 400 kV Banja Luka 6 - Mostar 4 (NOSBIH/Elektroprijenos BIH)



Reconfiguration of 400 kV grid and new 400 kV interconnection Albania-Kosovo (KOSTT, OST)



Closing the 400 kV Albanian internal Ring (OST)



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Specific criteria

Smart electricity
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DTEK STORAGE 225 MW *(DTEK)*



Energy storage

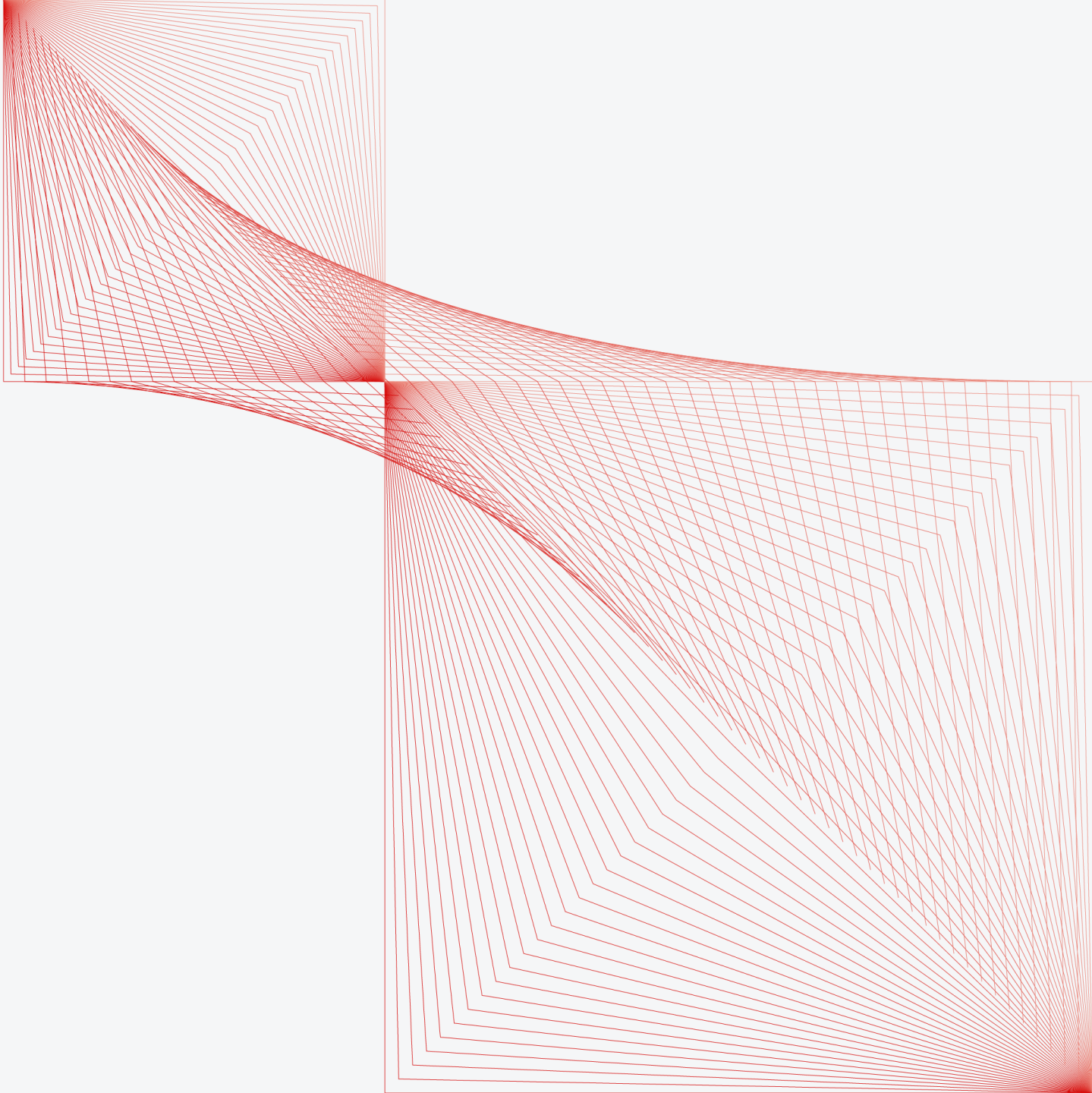
Pump Storage Plant Koman and Fierza *(KESH, Ministry of infrastructure and energy)*



Eligible projects for further assessment

1. Increasing the capacity of existing 220 kV interconnection between Bosnia and Herzegovina and Montenegro, 220 kV OHL Trebinje – Perućica
2. New 400 kV interconnection between Bosnia and Herzegovina and Montenegro, 400kV OHL Gacko – Brezna
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5. Internal transmission line 400 kV Banja Luka 6 - Mostar 4
6. Reconfiguration of 400 kV grid and new 400 kV interconnection Albania-Kosovo
7. Closing the 400 kV Albanian internal Ring
8. 330 kV OHL Balti (MD) - Dnestrovsk HPP-2 (UA)
9. Cybersecurity management system for protection grids assets from cyber threats
10. DTEK STORAGE 225 MW

Discussion



Thank you for your attention



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