



PANTERA
***Pan European Technology Energy Research
Approach***

Work Package 5
**Workshop and dedicated stakeholders meeting
organisation**

**Pan-European PANTERA Virtual Workshop at EUSEW
2020**

24th of June 2020 (14:00-17:00 CEST)

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Agenda

Time (CEST)	Content	Presenter/Moderator
14:00-14:10	Opening the workshop and introduction to the PANTERA process	Dr. Venizelos Efthymiou, PANTERA coordinator, FOSS Cyprus chairman (presenter)
14:10-14:20	EU policy for 2030 to 2050 and the role of the R&I community	Dr. Efsthathios Peteves, Head of Unit, Joint Research Centre (JRC) European Commission
14:20-15:20	Collaborating with JRC and the Smart Specialisation Platform for meeting the objectives of the Green Deal for reaching out and leaving no one behind	Dr. Christina Papadimitriou (moderator) Special Scientist FOSS Invited contributors: Mrs. Isabelle Seigneur and Mr. Fernando Merida-Martin (EC Joint Research Centre (JRC), Smart Specialisation Platform on Energy (S3PEnergy team))
15:20-15:40	The PANTERA platform in support of the R&I community in EU and much more	Dr. Venizelos Efthymiou, PANTERA coordinator, FOSS Cyprus (presenter)
15:40-16:40	Teaming with ETIP SNET and BRIDGE in enhancing the evaluation process of projects in support of R&I priorities roadmap	Dr. Luciano Martini, RSE, Coordinator EERA JP on Smart Grid (moderator) Invited contributors: Dr. Michela Marasco (DG ENER) and Prof. Nikos Hatziargyriou (ICCS/NTUA)
16:40-16:50	Wrap up and conclusions	Dr. Venizelos Efthymiou, FOSS



OPENING THE WORKSHOP AND INTRODUCTION TO THE PANTERA PROCESS

Dr. Venizelos Efthymiou, PANTERA coordinator, FOSS Cyprus chairman

Dr. Venizelos Efthymiou welcomed the speakers and participants and presented the agenda for the virtual workshop. The PANTERA project was presented to the audience, along with its goals and mission. Furthermore, Dr. Efthymiou highlighted the value that PANTERA will bring to the research and innovation energy community via PANTERA regional desks, working teams, and the EIRIE platform.



EU POLICY FOR 2030 TO 2050 AND THE ROLE OF THE R&I COMMUNITY

Dr. Efstathios Peteves, Head of Unit, Joint Research Centre (JRC) European Commission



Dr. Peteves gave a presentation on the research and innovation and its role towards a green recovery. He mentioned in his presentation that at least 35% of Horizon Europe funding will focus on climate solutions. The European Commission will invest around €1 billion in Horizon 2020 Green Deal Call. The structure of the green deal call and the areas in which the green deal will focus on were presented by Dr. Peteves. He gave some insights on SET-Plan and the progress made by the implementation of working groups. He recommended checking RTD factsheet on the role of research and innovation in Europe's recovery which is accessible under the following link: <https://bit.ly/394307v>. Dr. Efthymiou thanked Dr. Efstathios Peteves for his interesting presentation.

ROUNDTABLE 1: COLLABORATING WITH JRC AND THE SMART SPECIALISATION PLATFORM FOR MEETING THE OBJECTIVES OF THE GREEN DEAL FOR REACHING OUT AND LEAVING NO ONE BEHIND

Moderator: Dr. Christina Papadimitriou (Special Scientist FOSS)

Invited contributors: Mrs. Isabelle SEIGNEUR and Mr. Fernando Merida-Martin (EC Joint Research Centre (JRC), Smart Specialisation Platform on Energy (S3PEnergy team))



The main theme for this roundtable section was to discuss the collaboration with JRC and smart specialization platform for meeting the objectives of the green deal vision. Dr. Christina Papadimitriou presented the invited speakers Mrs. Isabelle Seigneur and Mr. Fernando Merida-Martin to the participants.

Dr. Christina Papadimitriou addressed the first question: "How does the Green Deal influence/widen the research and innovation community priorities?" to the invited speakers.



Mrs. Seigneur and Mr. Merida-Martin gave a presentation to address this question. Mrs. Seigneur explained to the audience what is the S3 platform and the role that the S3 platform plays to advise EU countries and regions to design and implement their strategy. Furthermore, she explained how the smart specialization platform supports innovation-led growth in EU regions. Through extensive investigation, it was identified that each region has its priority, therefore it was decided to create three thematic platforms.



The first one is S3P Agri-Food which focuses on consumer involvement in Agri-Food, High-tech Farming, Nutritional Ingredients, Smart sensors for Agri-food and traceability, and big data. The second one is SP3 Energy. The main objectives for SP3 Energy are to support the implementation of S3 of the regions/countries that have chosen energy-related priorities in their RIS3 and to assist countries in the optimal uptake of the cohesion policy funding opportunities for energy. The third one is the S3 Industry which aims to support EU regions committed to generating a pipeline of industrial investment projects following a bottom-up approach - implemented through interregional cooperation, cluster participation, and industry involvement.

The three thematic platforms helped regions to connect to create the S3 partnership. Mrs. Seigneur invited all the participants to check the platform under the following link: <https://s3platform.jrc.ec.europa.eu/>

Mr. Merida-Martin presented the new EC priorities, the green deal, and the role that smart specialization is playing in the new paradigm. The Green Deal integrates within one setup several topics that the EC has been working on for several years. The green deal is, for example, trying to integrate the climate ambition with the clean energy with smart mobility and on top, it is trying to have sustainable concepts and for sure leaving no one behind. Smart specialization is considered an essential part of multi-level governance in EU policy. The smart specialization can connect the top-directionality with the bottom-up creativity.

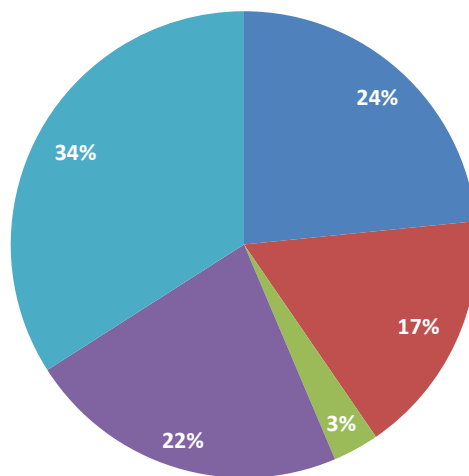
Dr. Papadimitriou thanked the invited speakers for their interesting presentation. Dr. Papadimitriou highlighted the importance of having a single process that would support the green deal objectives and a coherent model to combine the bottom-up and top-down approaches.

Dr. Christina Papadimitriou addressed the second question: "What does the Green Deal mean to you?" to the invited participants to vote via the Glisser tool that was provided by the PANTERA consortium.

Dr. Papadimitriou and Mr. Shalaby presented the results live to the participants.

What does the Green Deal mean to you?

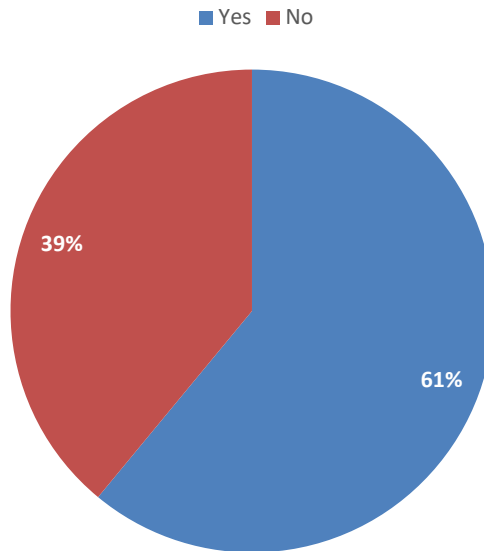
- Transition to a Circular Economy
- A Zero pollution Europe
- Preserving Europe's natural capital
- Climate Neutrality
- Clean, Reliable and Affordable energy



Mrs. Seigneur commented on the results, by mentioning it is quite interesting to find that different regions have a different perspective and this is what the smart specialization is trying to do.

Dr. Christina Papadimitriou addressed the third question: "Is the Green Deal technology neutral?" to the invited audience to vote via Glisser. Dr. Papadimitriou and Mr. Shalaby presented the results live to the audience.

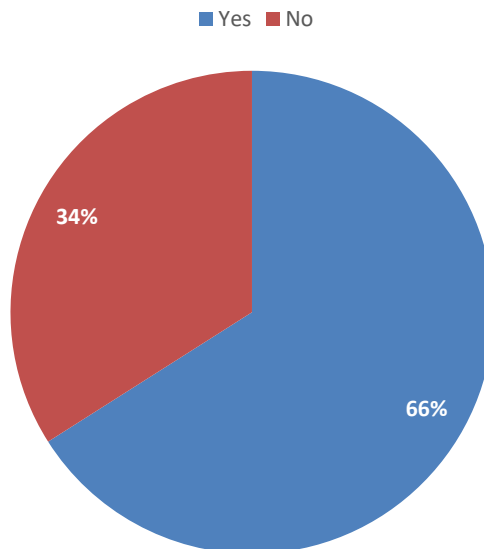
Is the Green Deal technology neutral?



Dr. Peteves commented on the results that the main goal of the green deal is climate neutrality. Dr. Papadimitriou commented that this result could be seen from the perspective that it represents the needs of the regions.

Dr. Papadimitriou addressed the third question: "Is the Green Deal leaving no one behind?" to the invited audience to vote via Glisser. Dr. Papadimitriou and Mr. Shalaby presented the results live to the participants.

Is the Green Deal leaving no one behind?

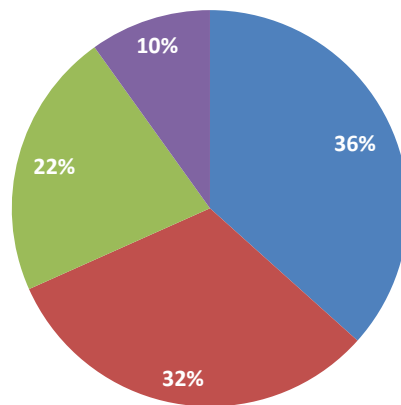


Dr. Papadimitriou commented on the result, by mentioning it seems from the results that some countries are still left behind in smart grid specialization and here comes the role of PANTERA to boost the research and innovation in those countries. This result is not criticizing the green deal, it is mirroring the main consideration of the regions and what the research and innovation communities are facing in those regions. Mr. Merida-Martin commented on the result, by mentioning this negative tendency could be due to previous experience. The commission has been trying for a long time to decrease the gap between the less advanced regions and more advanced regions, but the commission did not achieve all the goals set yet. Mrs. Seigneur added that to complete and fulfil the objectives of the green deal, the local actors need to work on their regions and now the objectives of the green deal are ambitious.

Dr. Christina Papadimitriou addressed the fourth question: “How relevant are the actions taken through the Green Deal to the priorities of your region?” to the invited participants to vote via the Glisser tool. Dr. Papadimitriou and Mr. Shalaby presented the results live to the participants.

How relevant are the actions taken through the Green Deal to the priorities of your Region?

- Related to the funding mechanism
- Related to the enablement/strategy
- Related to the execution
- Related to the leaving no one behind approach



Dr. Christina Papadimitriou addressed the fifth question to the invited speakers: “How do we address the needs to secure the research & innovation community priorities from JRC perspective and RIS3 regional activities?”

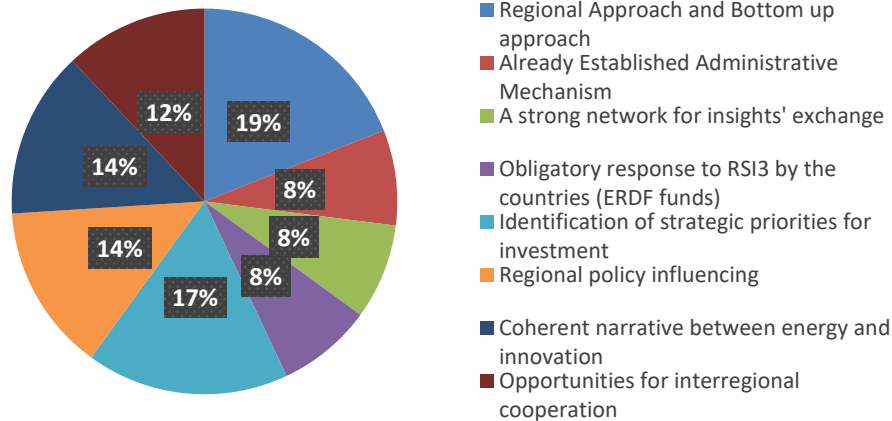
- How do we ensure a strong policy response?
- How do we ensure investment leverage? How do we support the Just transition mechanism?
- How do we support the territorial plans/regional plans?
- How do we integrate the social dimension in these plans?
- How do we support the R&I community in data resources/knowledge resources?

Mrs. Seigneur answered that during the last period we learned a lot since 2014 and they are taking advantage of what has been learned. She added that the governance model of RIS3 could be used in the green deal, in general, to ensure that we are addressing the needs of the regions and answer their needs. The governance model of RIS3 integrates many levels. It does not only focus on the regions, but it includes the national, European, and international dimension too and it includes all kinds of actors (e.g. business, academia, civil society...etc.). The biggest challenge in the model of RIS3 is to integrate all the actors from the beginning.

Mr. Merida-Martin added that the advanced European regions are involving more stakeholders. Furthermore, they are getting the political commitment to develop the strategy. The member states, DG-ENER, DG-Region and JRC are now more able to identify what could be the regulatory challenges and the changes needed to be implemented, so the regions are aligned with the strategy.

Dr. Christina Papadimitriou addressed the sixth question: "From your perspective, which of the following strengths have a major impact to the Green Deal" to the invited participants to vote via the Glisser tool. Dr. Papadimitriou and Mr. Shalaby presented the results live to the audience.

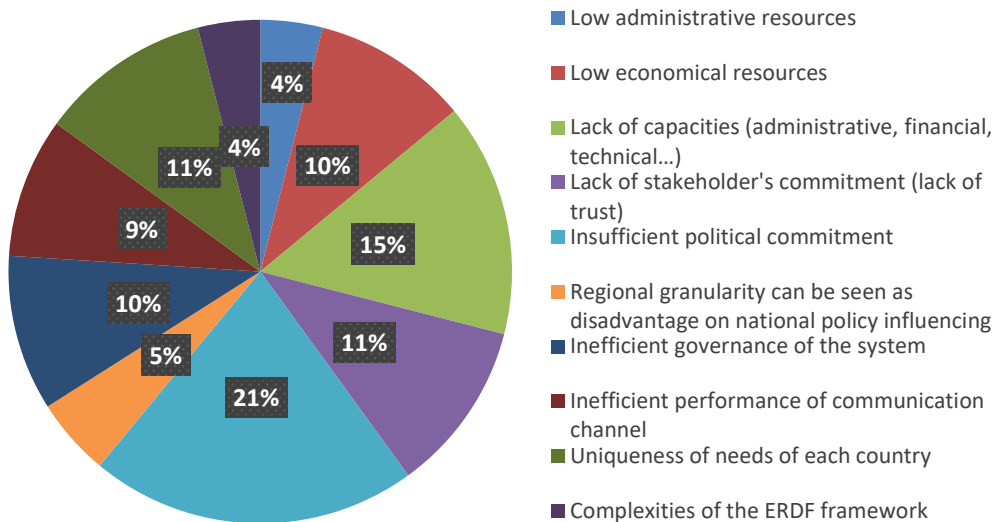
From your perspective, which of the following strengths have a major impact related to the Green Deal



Dr. Papadimitriou commented that there is almost equity of importance based on the outcome of the audience's votes, with more importance given to coherence between energy and innovation on the one hand and secondly on regional approach and bottom up approach.

Dr. Christina Papadimitriou addressed the seventh question: "From your perspective, which of the following weaknesses have a major impact related to the Green Deal" to the invited participants to vote via the Glisser tool. Dr. Papadimitriou and Mr. Shalaby presented the results live to the audience.

From your perspective, which of the following weaknesses have a major impact related to the Green Deal

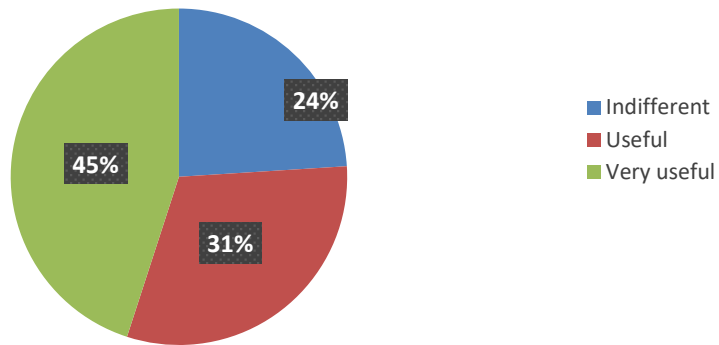


Dr. Papadimitriou commented that there is almost equity of importance based on the outcome of the audience’s votes, but more votes are given to “insufficient political commitment” and “Lack of capacities”.

Dr. Papadimitriou explained to the participants the EIRIE platform and its role in boosting the R&I community within Europe and give them access to data and information. A set of questions was addressed to the participants focusing on the EIRIE platform and its functionalities.

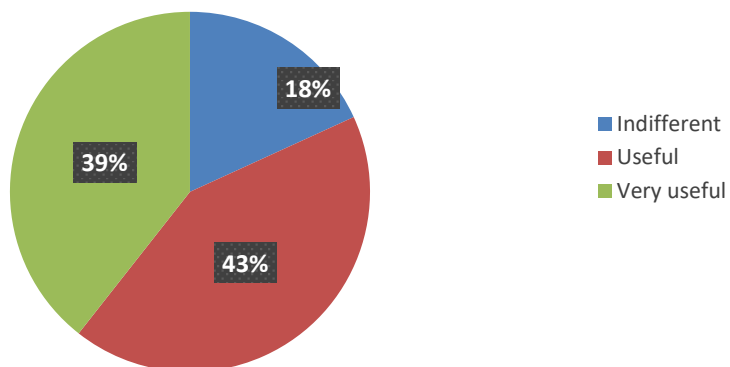
Dr. Papadimitriou addressed the first question: “EIRIE platform acting as a single point of reference for the R&I community regarding data and knowledge sharing: Indifferent or Useful or Very useful” to the invited participants to vote via the Glisser tool.

EIRIE platform acting as a single point of reference for the R&I community regarding data and knowledge sharing



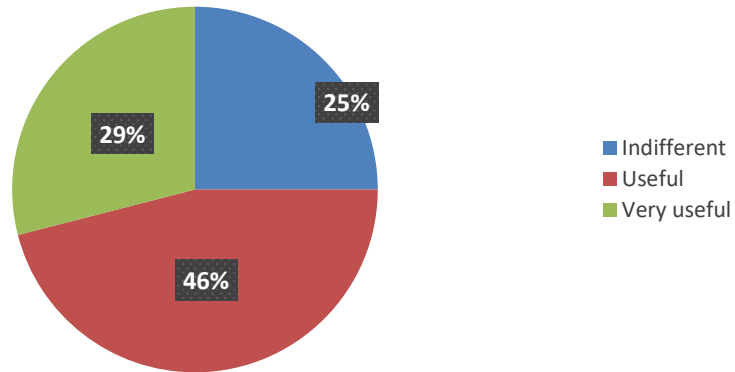
Dr. Papadimitriou addressed the second question: “EIRIE platform acting as a meeting point of bottom-up and top-down approaches on R&I priorities: Indifferent or Useful or Very useful” to the invited audience to vote via Glisser.

EIRIE platform acting as a meeting point of bottom up and top down approaches on R&I priorities



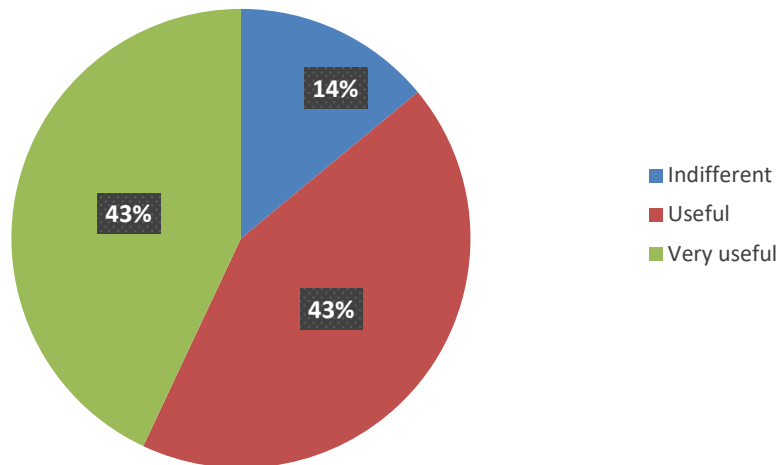
Dr. Christina Papadimitriou addressed the third question: “EIRIE platform acting as a hub for the R&I community that complements investments”: Indifferent or Useful or Very useful” to the invited audience to vote via Glisser.

EIRIE platform acting as a hub for the R&I community that complements investments



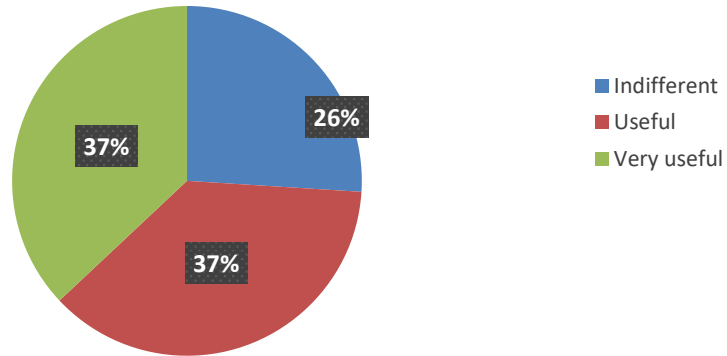
Dr. Christina Papadimitriou addressed the fourth question: “EIRIE platform providing leverage and data not only to the R&I community but also to the EU policy makers and decision-influencing bodies”: Indifferent or Useful or Very useful” to the invited audience to vote via Glisser.

EIRIE platform providing leverage and data not only to the R&I community, but also to the EU policy makers and decision-influencing bodies



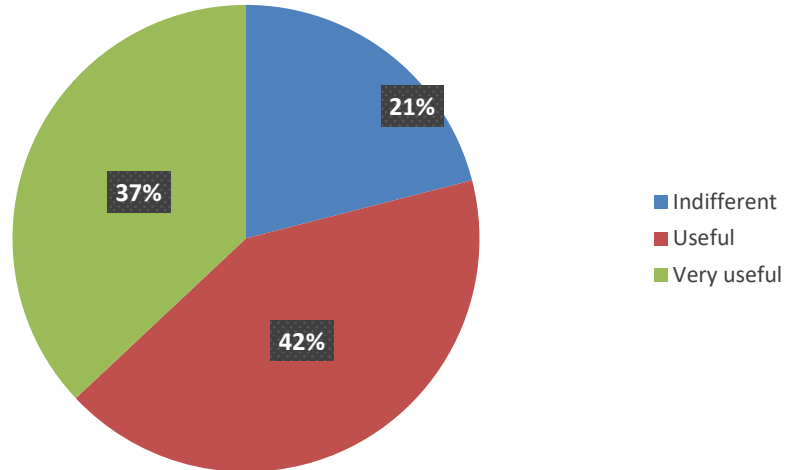
Dr. Christina Papadimitriou addressed the fourth question: “EIRIE platform leveraging the implementation of the Green Deal priorities through tools and functionalities, and support to public consultation: Indifferent or Useful or Very useful” to the invited audience to vote via Glisser.

EIRIE platform leveraging the implementation of the Green Deal priorities through tools and functionalities and support to public consultations



Dr. Christina Papadimitriou addressed the fourth question: "EIRIE platform as a platform where a variety of different stakeholders come together: Indifferent or Useful or Very useful" to the invited audience to vote via Glisser.

EIRIE platform as a platform where variety of different stakeholders come together



Before closing the 1st roundtable discussion, the moderator and the invited speakers reacted to a comment that came from the participants via the Glisser tool.

The comment:

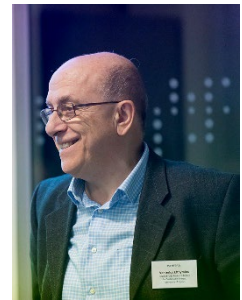
"It is not only about funding but also about the governance deficiencies that exist in some countries, e.g. in Bulgaria. And the Green Deal doesn't have instruments to avoid this"

Mrs. Seigneur commented on this by saying that it is true. The Green deal is missing governance model. Mr. Merida-Martin added that a platform like EIRIE could help a lot by presenting information about best practices and how regions could learn from each other.

Dr. Papadimitriou summarized the roundtable and thanked the participants and invited speakers.

THE PANTERA PLATFORM IN SUPPORT OF THE R&I COMMUNITY IN EU AND MUCH MORE

Presenter: *Dr. Venizelos Efthymiou, PANTERA coordinator, FOSS Cyprus*



Dr. Venizelos Efthymiou presented the EIRIE platform and its concept. The vision of the platform is supporting the Energy Research & Innovation community in Europe by making available tools and features that would provide them with the needed knowledge, information, and data. The platform will interconnect with other similar platforms (e.g. EXPERA, BRIDGE, JRC, ETIP-SNET, Mission innovation, etc.) to enhance the collaboration, wider interest, use of the project results and avoid duplication and costs.

EIRIE will be hosted on the Smart Energy System servers of JRC to guarantee the sustainability of the platform after the PANTERA project is completed. Dr. Efthymiou presented the conceptual architecture of the platform and the work plan and progress achieved for the design and development of the multifunctional platform.

ROUNDTABLE 2: TEAMING WITH ETIP SNET AND BRIDGE IN ENHANCING THE EVALUATION PROCESS OF PROJECTS IN SUPPORT OF R&I PRIORITIES ROADMAP

Moderator: *Dr. Luciano Martini (RSE & Coordinator EERA JP on Smart Grid)*

Invited contributors: *Dr. Michela Marasco (EC DG ENER) and Prof. Nikos Hatziargyriou (ICCS/NTUA)*



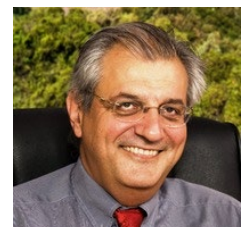
Dr. Martini introduced himself, the EERA JP on Smart Grids and the panellists of the round table Dr. Michela Marasco and Prof. Nikos Hatziargyriou.

The discussion started with the reply of Michela Marasco to the first question addressed by Dr. Martini: *“Given the identified challenges, in which way the newly formed Task Force of BRIDGE “R&I priorities” plans to contribute in quantitatively identifying priorities utilizing project results?”*. Dr. Marasco spoke about the newly launched “R&I priorities” Task Force, a joint effort of BRIDGE and the ETIP SNET in the context of the European Green Deal. The task force analyses the results of the different projects and discusses them with several stakeholders and key partners in order to propose which research and innovation activities prioritize according to their innovation potential. The outcomes of this task force will serve as inputs to the European Commission, national institutions, and private partners to find the most promising technologies to be further developed toward market uptake.



Dr. Martini thanked Ms. Marasco for summarising the scope and the objectives of the task force on “R&I priorities”.

The second question was addressed by Dr. Martini to Prof. Nikos Hatziargyriou: *“How can the task force of BRIDGE “R&I priorities” be effectively linked to the activities of the ETIP SNET that generates the 10-years R&I Roadmap and Implementation Plans”*. Prof. Nikos Hatziargyriou gave a presentation showing the links between the task force “R&I priorities” of BRIDGE, jointly led by Prof. Nikos Hatziargyriou, Prof. Antonello Monti and Nuno de Souza e Silva, and ETIP SNET. Prof. Hatziargyriou also spoke about the EU Green Deal and its energy-related policies, aspects and implications which require R&I developments. Moreover he presented a mapping of the EU green deal policies into the vision 2050 ETIP-SNET energy system building blocks, the required functionalities, and research areas.



Dr. Martini thanked Prof. Hatziargyriou for his contribution.

As most of the participants had previous experience with R&I projects, Dr. Martini asked their point of view on how the main project outcomes can be efficiently developed into key exploitable results and then into products or solutions ready for the success in the markets. In this view, participants were asked to rank (from 1 star to 5 stars (most important) via the Glisser tool) the following actions to be taken since the beginning of the project in order to raise the impact of the project outcomes:

- Make a market evaluation for positioning the key exploitable results of the project.
- Develop/define suitable KPIs for the foreseen key exploitable results to be achieved.
- Identify the innovation processes governing all different phases of the project evolution.

The average response for the statement *“Make a market evaluation for positioning the key exploitable results of the project”* is 4 out of 5. Dr. Marasco commented on this by mentioning the importance of exploitation and market uptake. She mentioned also that in some cases the European commission requests from the project partners to make an estimation of what would be needed to bring the project outcomes to the market, especially in high TRL projects. Prof. Hatziargyriou supported Dr. Marasco's statement.



The average response for the statement *“Develop/define suitable KPIs for the foreseen key exploitable results to be achieved”* is 4.1 out of 5. Prof. Hatziargyriou agreed with the participants on the importance of KPIs. Also Dr. Marasco fully agreed on the importance of setting specific KPIs based on what the project wants to achieve. Dr. Martini added that it is important to set KPIs in which the project has control.



The average response for the statement *“Identify the innovation processes governing all different phases of the project evolution”* is 3.8 out of 5.



Dr. Martini addressed the last question: *“What supportive role do you foresee for the EIRIE platform in the selection of R&I priorities and in enhancing the exploitation of the projects’ results?”* to Dr. Michela Marasco and Prof. Nikos Hatziargyriou.

Dr. Marasco believes that the EIRIE platform is a very important initiative of the PANTERA project. There are currently many interesting platforms available that looks at the smart energy systems from a different perspective. But it is quite hard for the public and policy-makers to navigate between them. To solve this problem, the EIRIE platform should act as one-stop hub connecting all the smart energy platforms in one platform. In this way the EIRIE platform will ease the access to available knowledge in the R&I smart energy field and will help researchers, innovators, and policy-makers to have access to the project results and other important information. By that, it would help in setting-up the R&I priorities. Prof. Hatziargyriou agreed with Dr. Marasco's statement.

Before closing the 2nd roundtable, the moderator invited the participants to ask questions via the Glisser tool. The following ones were discussed during the last part of the round table:

1st question:

Are there any instruments or direct requirements to align for example NECPs and 2050 roadmaps to S3 strategies and their implementation?

Dr. Marasco answered this question mentioning that the commission goes back to the member states and tries to highlight the aspects that need to be considered.

2nd question:

Is there any generalized/common project evaluation/technology evaluation method that EC follows at the end of projects funded by EC?

Dr. Marasco answered this question mentioning that as part of the process of implementation, the project needs to present an exploitation plan or how the project results will be used at the end of the project, but most of the time the exploitation activities come at the end of the project when partners are busy with completing the project results, so there is a need for improvement and work on the exploitation activities at least one year before the end of the project.

3rd question:

What are the next steps after R&I priority task force? And how can PANTERA project help?

Prof. Hatziaargyriou answered this question mentioning that the “R&I priority” task force is just starting and they are currently collecting information and trying to provide quantification to various prioritized areas. It requires a lot of effort to collect all this information. A questionnaire will be circulated to the members of the task force to collect some feedback on projects in which they are involved. The link with PANTERA is important, the EIRIE platform and ETIP SNET will feed-in this information. Dr. Marasco added that this R&I priority task force is a long-term process.

The 4th question:

Is the “R&I priority” task force collecting information from ongoing projects or also recently closed projects too?

Prof. Hatziaargyriou answered that the “R&I priority” task force is collecting information from recent projects.

The 5th question:

How the NECPs R&I priorities are considered in the green deal plan?

Dr. Marasco answered this question by mentioning that the “R&I priority” task force is the centre of the green deal. The NECP is embedded in the regulation and it will be connected with the green recovery plan.

Dr. Martini closed the roundtable and thanked the audience and invited speakers.

WRAP UP AND CONCLUSIONS

Presenter: *Dr. Venizelos Efthymiou, PANTERA coordinator, FOSS Cyprus*

Dr. Venizelos Efthymiou summarised the outcomes of the workshop through some closing remarks and thanked all the participants and speakers.

