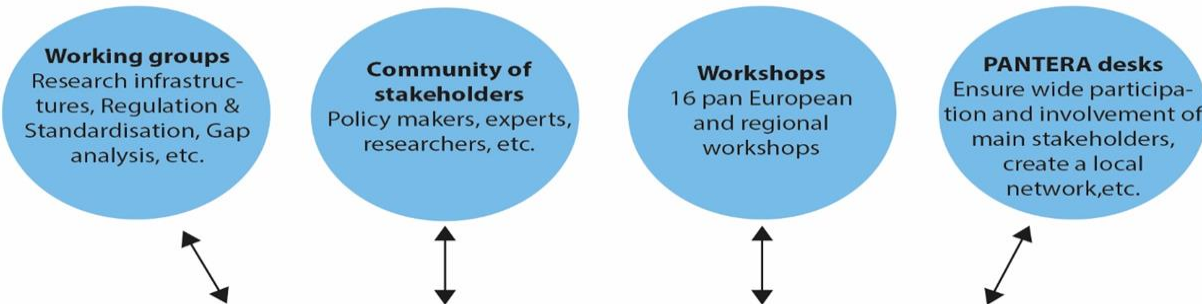


PANTERA project - A Pan European Technology Energy Research Approach

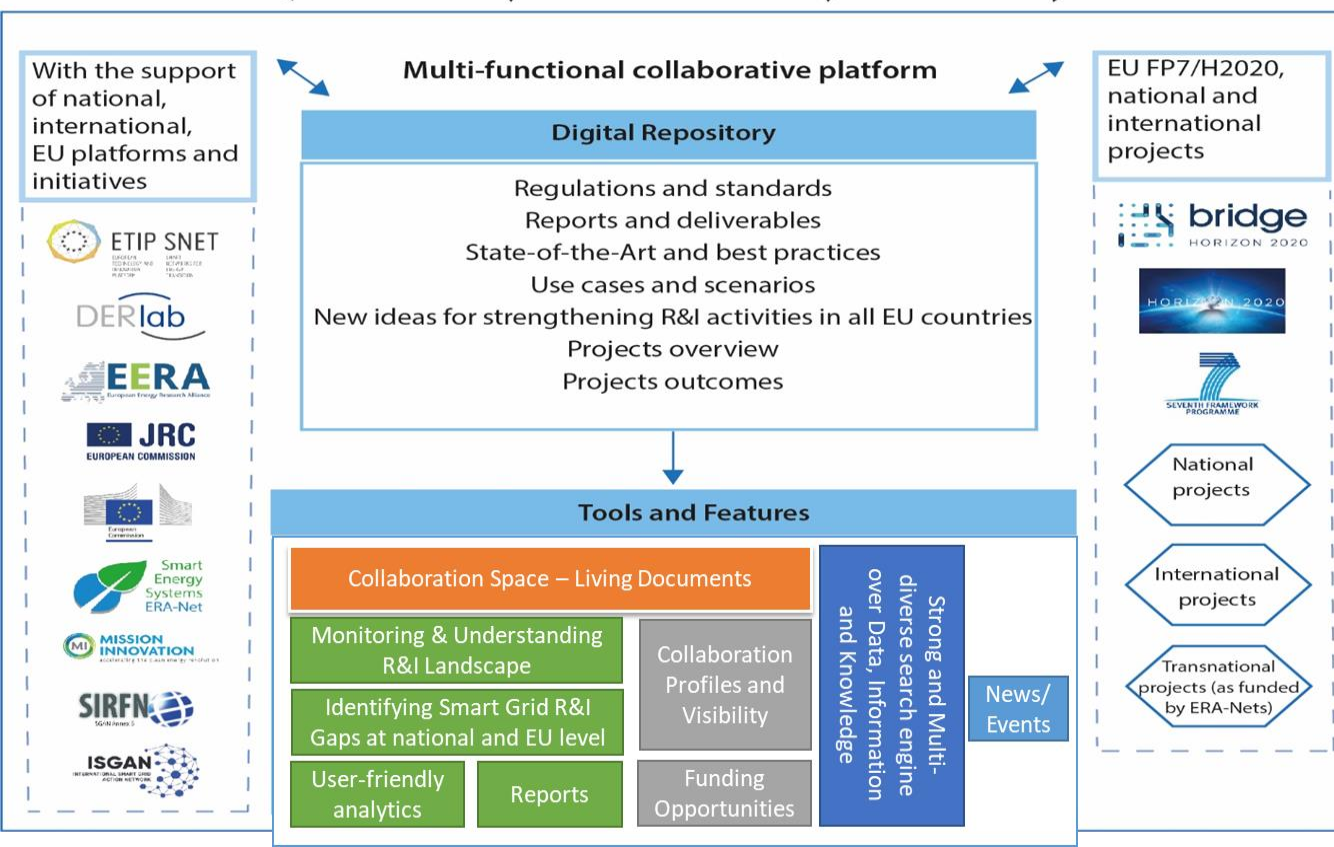
**The PANTERA platform in support of the
R&I community in EU and much more**

Dr. Venizelos Efthymiou
efthymiou.venizelos@ucy.ac.cy

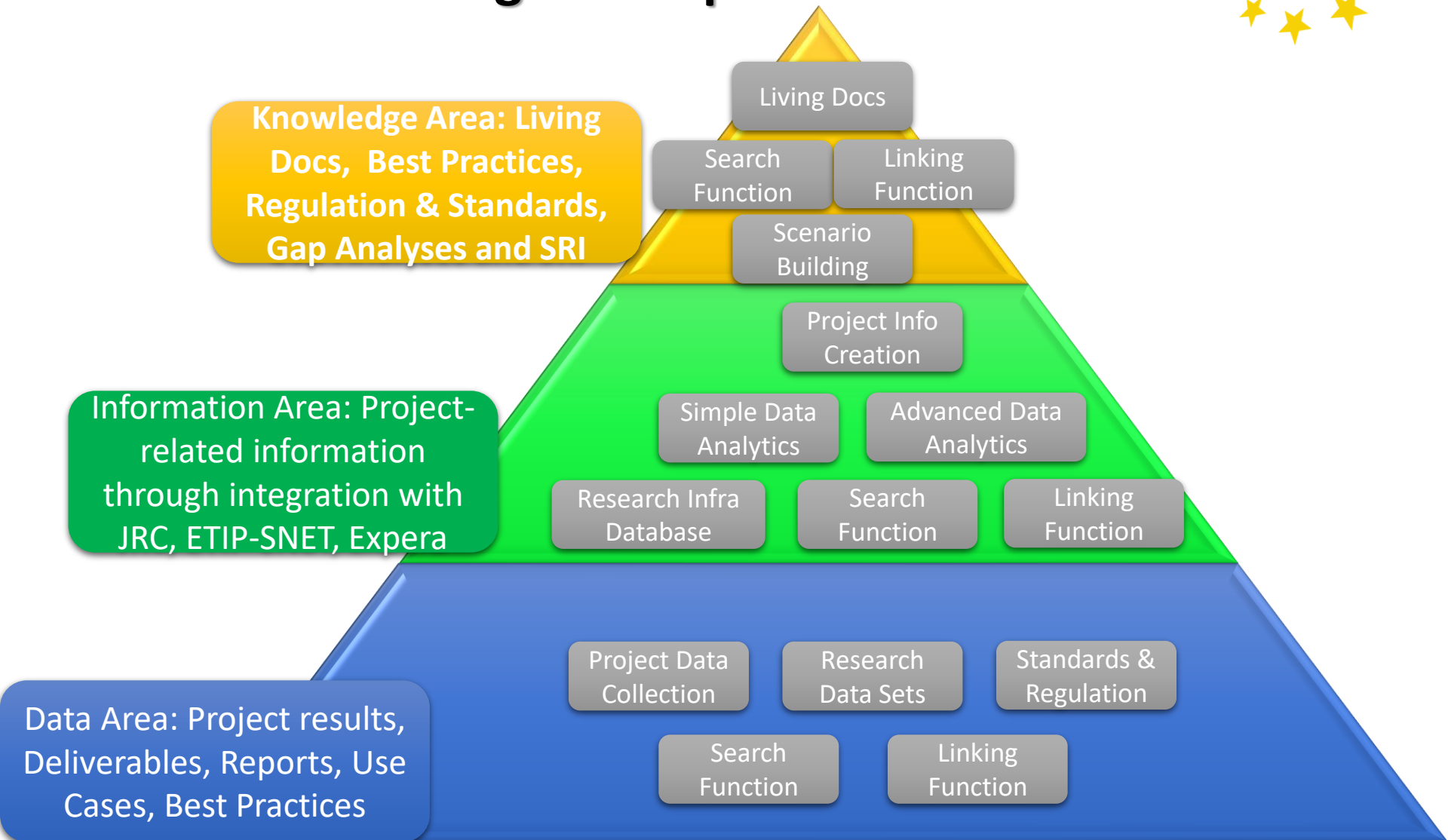
PANTERA Platform Conceptual Representation



Vision for a multifunctional collaborative platform to serve R&I in EU in support of the energy transition and more specifically energy systems



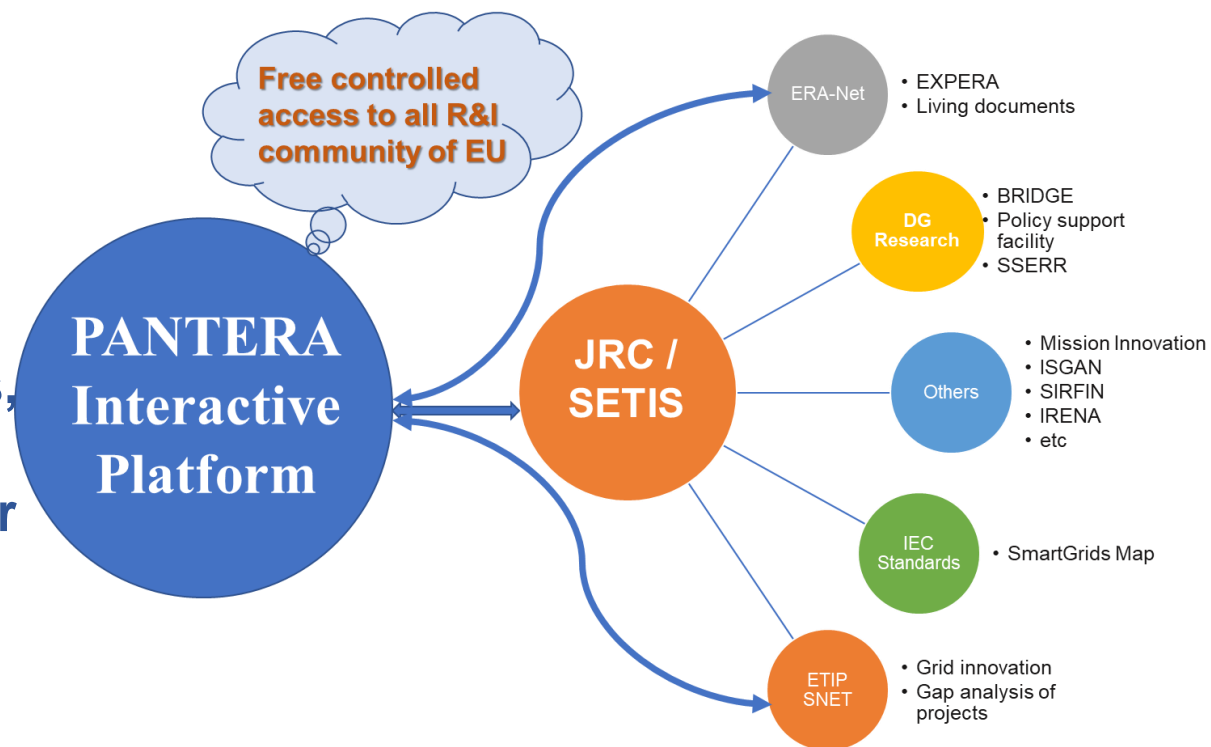
PANTERA Platform Data Provisions and Design Principles



Development of an Interactive multi-functional platform in collaboration with PANTERA, JRC, ETIP SNET and ERA-Net SES



To connect the R&I community of EU to enhance collaboration, wider interest and use on the project results, avoid duplication and lost euros, strengthen the participation of all Member States in support of the fifth pillar of the Energy Union (RIC) and energy transition.



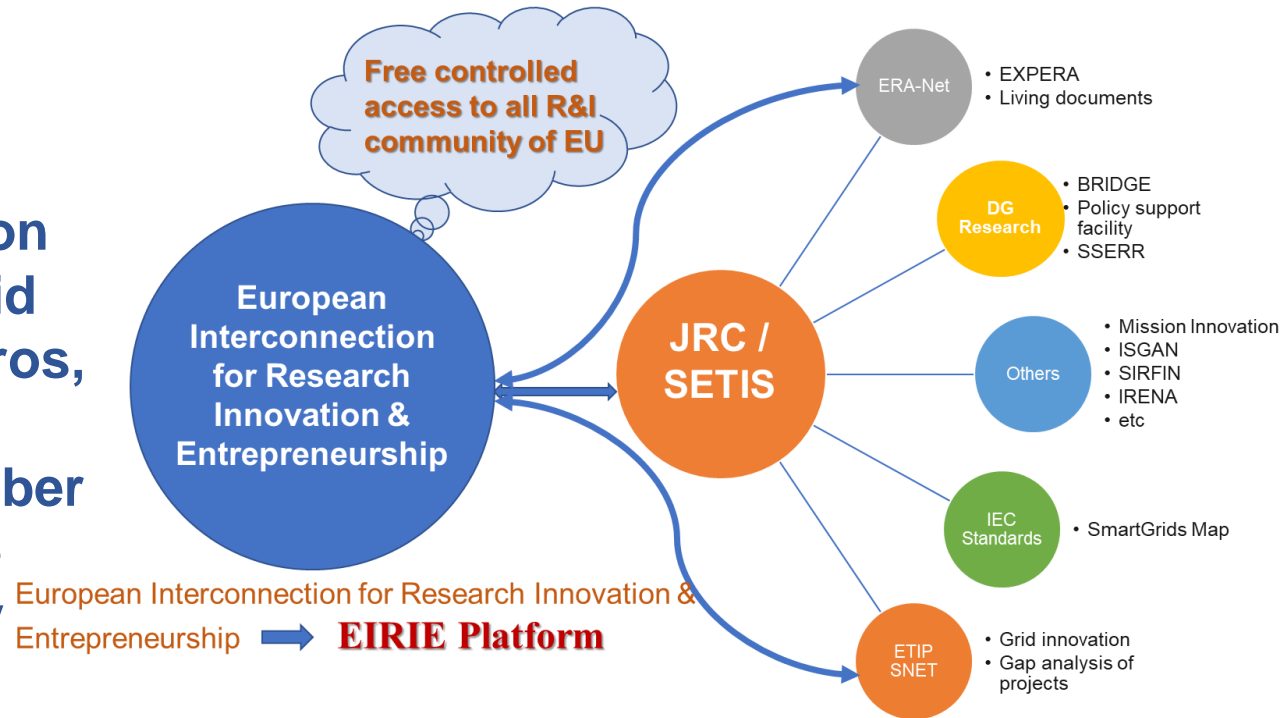
All contributing entities get benefit through the enhanced connectivity to beneficiaries and users



Development of an Interactive multi-functional platform in collaboration with PANTERA, JRC, ETIP SNET and ERA-Net SES



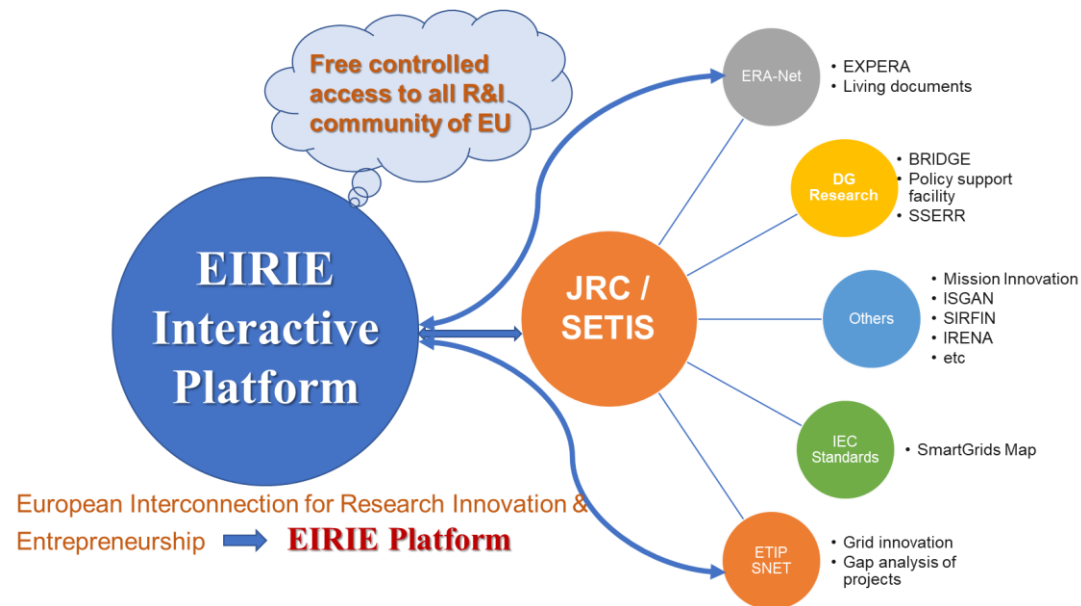
To connect the R&I community of EU to enhance collaboration, wider interest and use on the project results, avoid duplication and lost euros, strengthen the participation of all Member States in support of the fifth pillar of the Energy Union (RIC) and energy transition.



EIRIE will be hosted on the Smart Energy System servers of JRC and sustainability is guaranteed by DG Ener through a dedicated Service contract to take over from the PANTERA consortium on completion of the 4 years

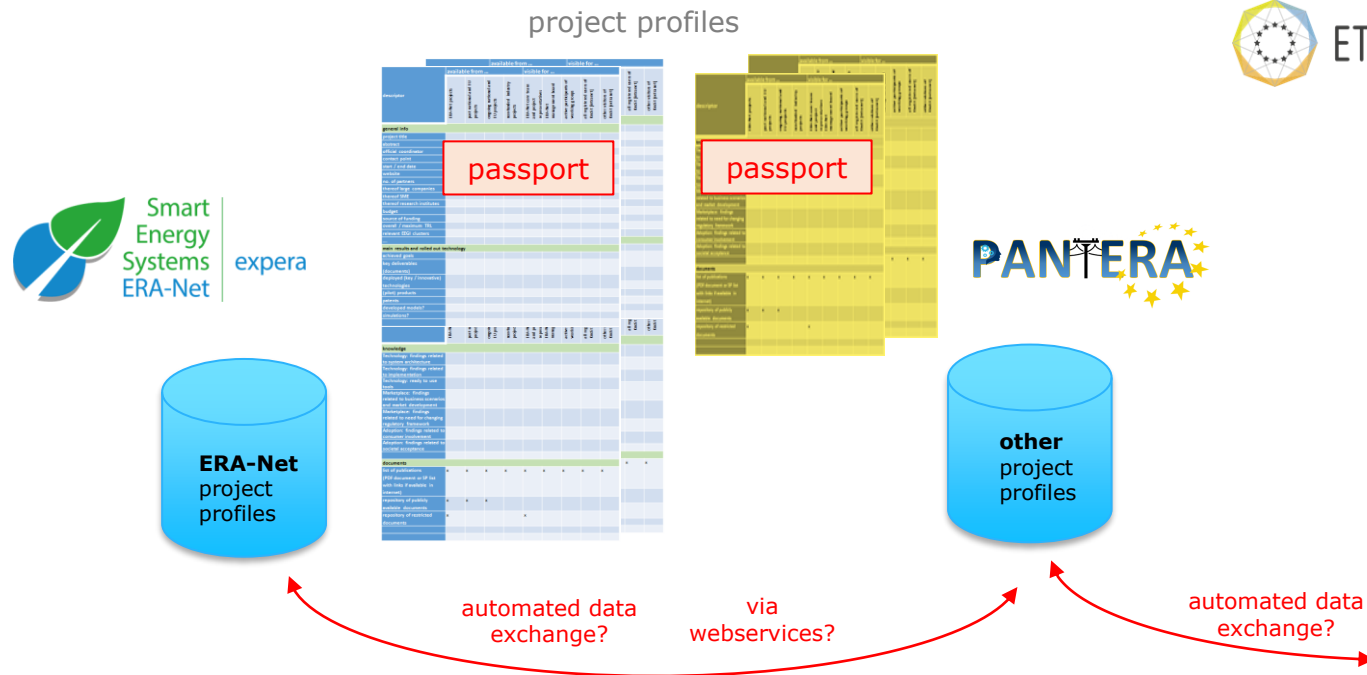


Development of an Interactive multi-functional platform in collaboration with PANTERA, JRC, ETIP SNET and ERA-Net SES



Connecting Project Repositories

Emphasis on the first phase on knowledge sharing through the compilation of living documents



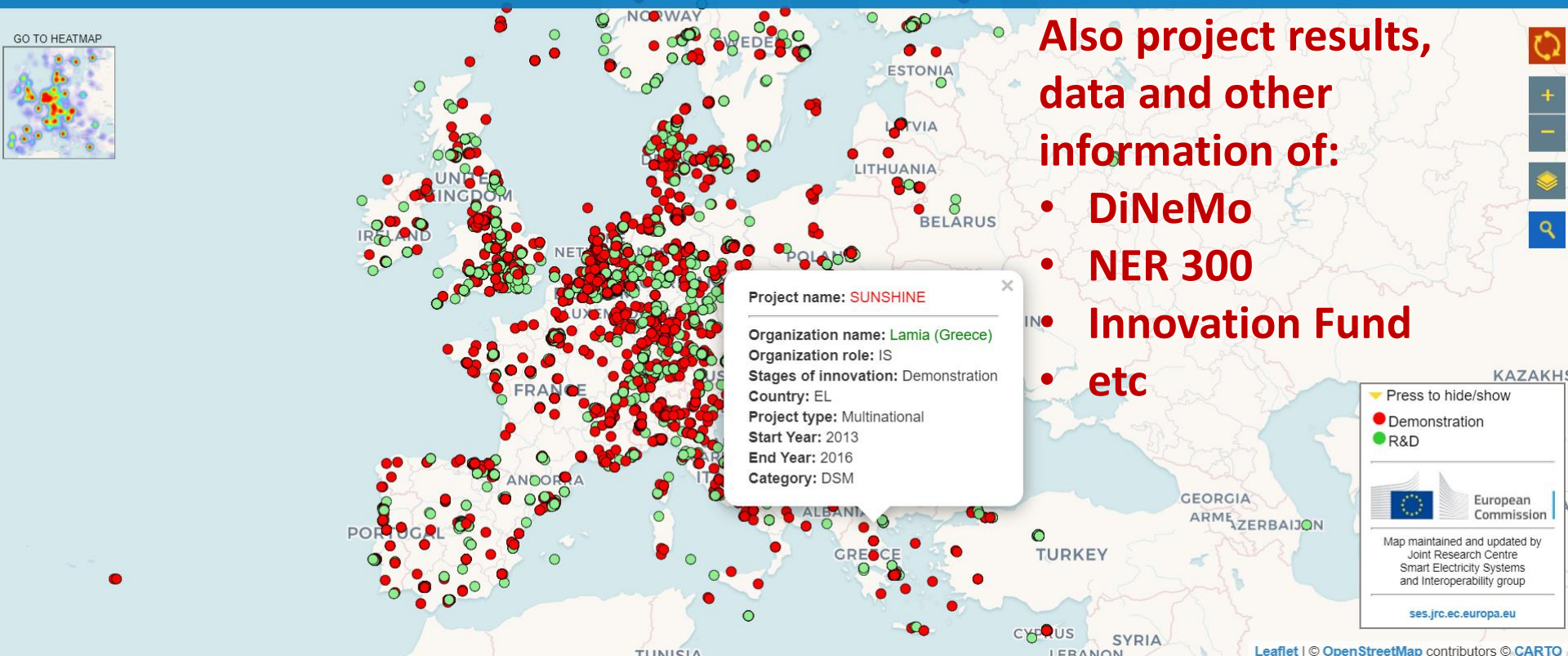
This mapping is carried out by JRC on a regular basis and it represents the most comprehensive inventory of Smart Grid projects in Europe



SMART GRID PROJECTS MAP: ORGANISATIONS AND IMPLEMENTATION SITES

+ MAP FILTERS

MARKERS: 6702



Also project results,
data and other
information of:

- DiNeMo
- NER 300
- Innovation Fund
- etc



The Smart Grids Innovation Accelerator (SGIA)

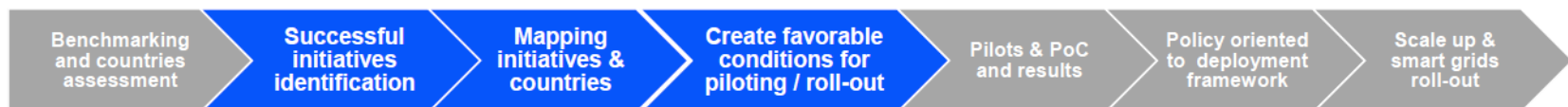


The SGIA Platform: Main Objectives



MI Smart Grids

1. To foster and accelerate the smart grids deployment through the implementation of clean and sustainable energy technologies, leveraging on pilot project results and best practices sharing among different stakeholders.
2. To promote Public Private Collaboration creating a favorable framework to launch feasible projects/initiatives.
3. To foresee new upcoming enabling technologies and business models to plan long term investments.



L. Martini, "International activities update"

12th ETIP SNET GB meeting, Oct. 24th 2019, Brussels

9



9

PANTERA aligned to host and utilise the rich content of SGIA



The SGIA Platform: Main Phases and Outcomes



MI Smart Grids

SGIA Main PHASES:

- **Information gathering and analysis** for the elaboration of specific “White Papers” reporting national and global initiatives, key exploitable results and best practices to be shared among IC1 country members
- **Map and identify initiatives & best practices** to be replicated in selected regions and countries highlighting technical and non-technical barriers to be overcome.
- **Select the best deemed technologies and projects** by geographical area also considering regulatory framework and specific country's constraints

EXPECTED MAIN OUTCOMES:

- **WHITE PAPER: “Vision 2030”** Collection of initiatives and best practices to be shared (innovative and disruptive technologies, strategic drivers, research, country context)
- **TECHNOLOGY MAPPING** Identification of most suitable smart grids technologies to be adopted according to specific target country
- **COUNTRY smart grids IMPLEMENTATION PLANS**

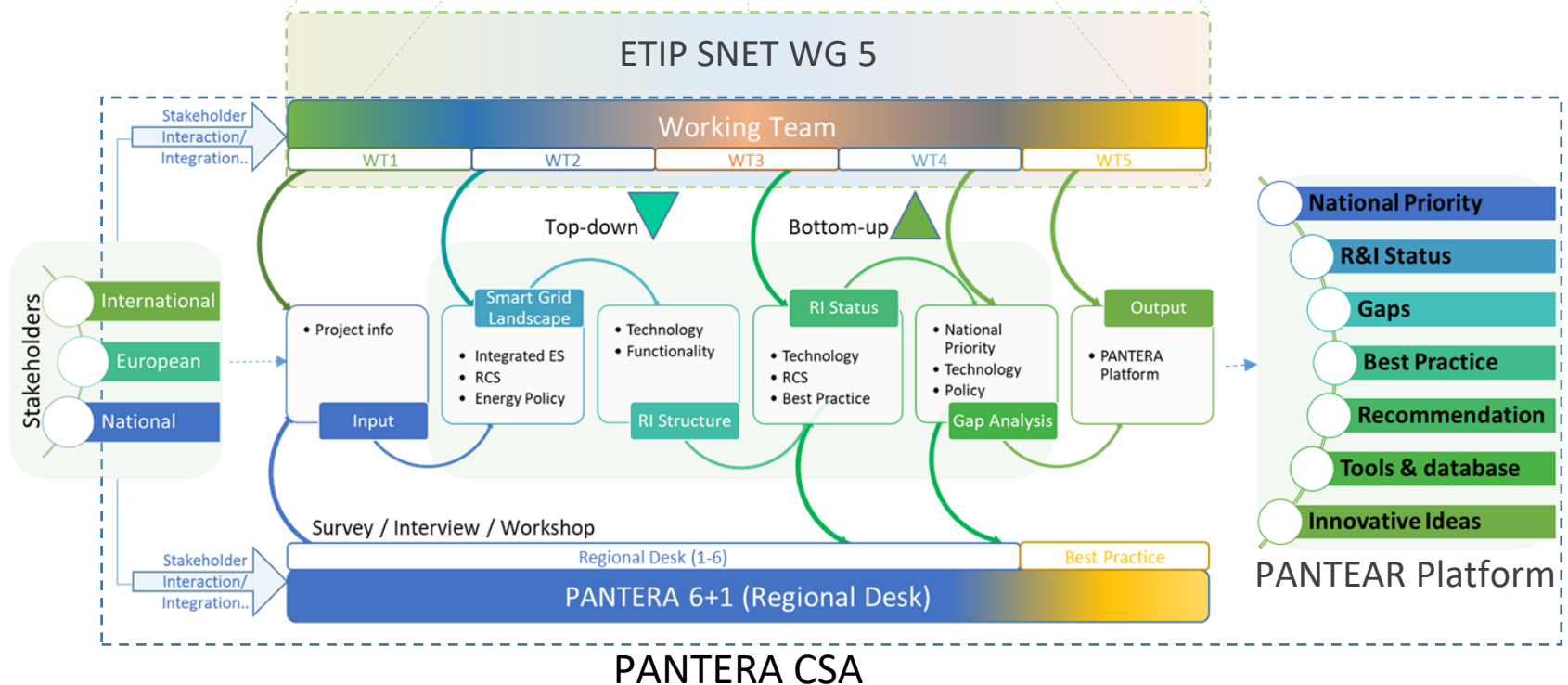


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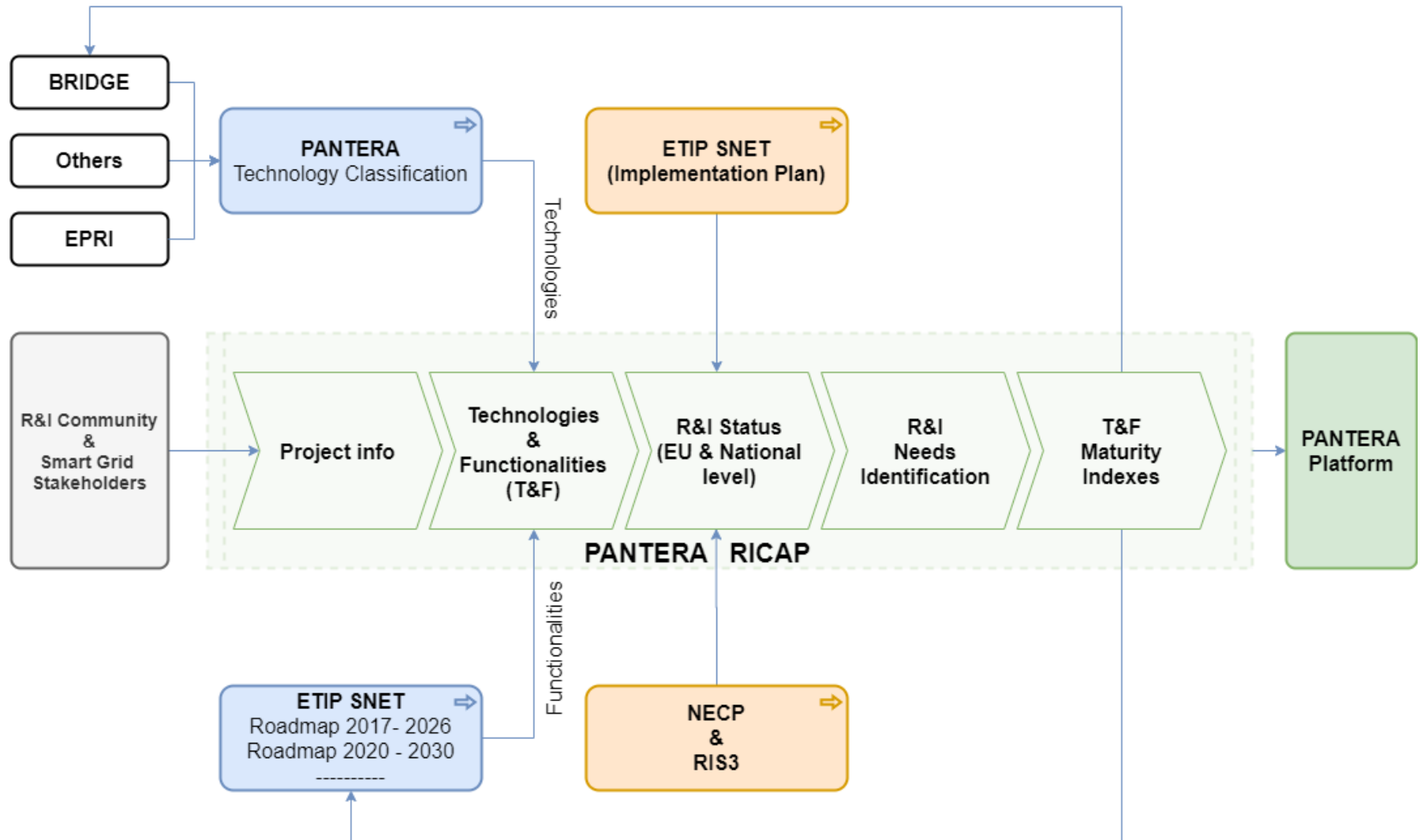
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PANTERA RICAP (Administrative Process)

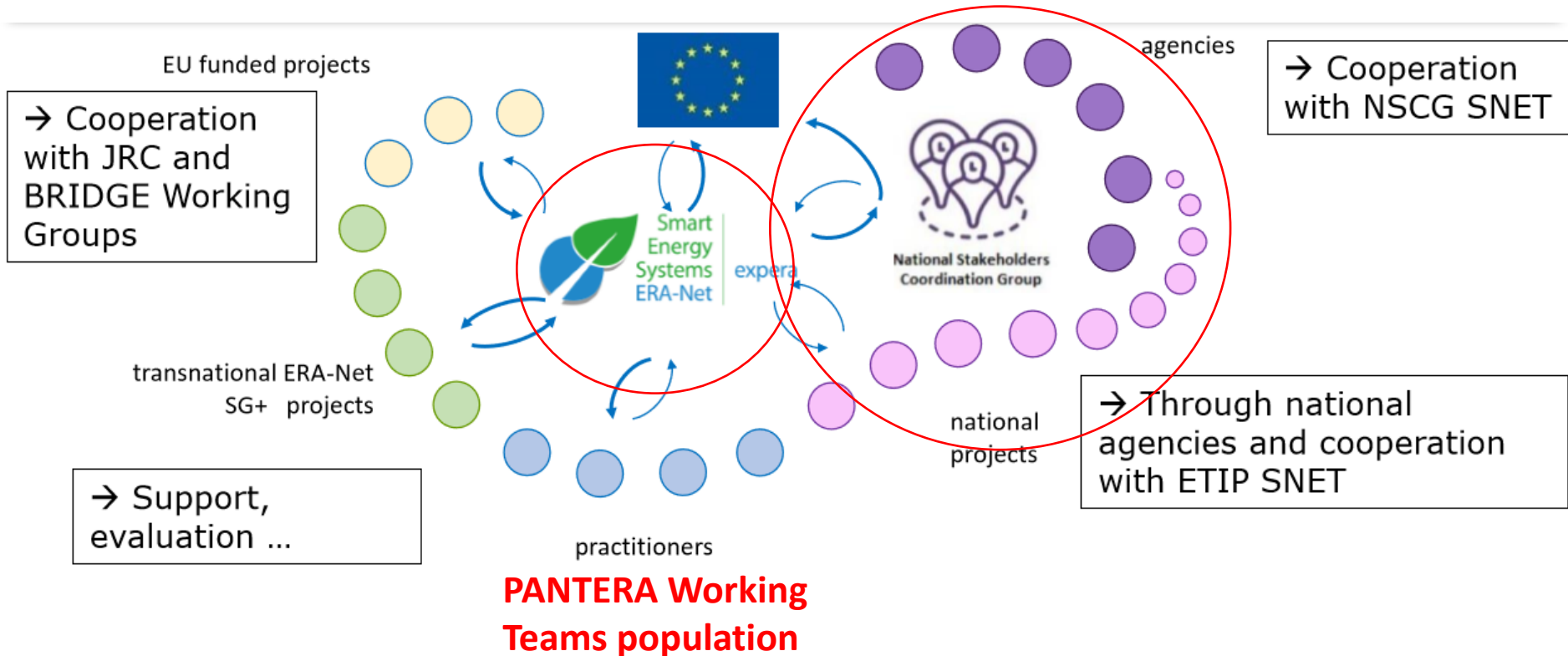
PANTERA RICAP (Technical Process)



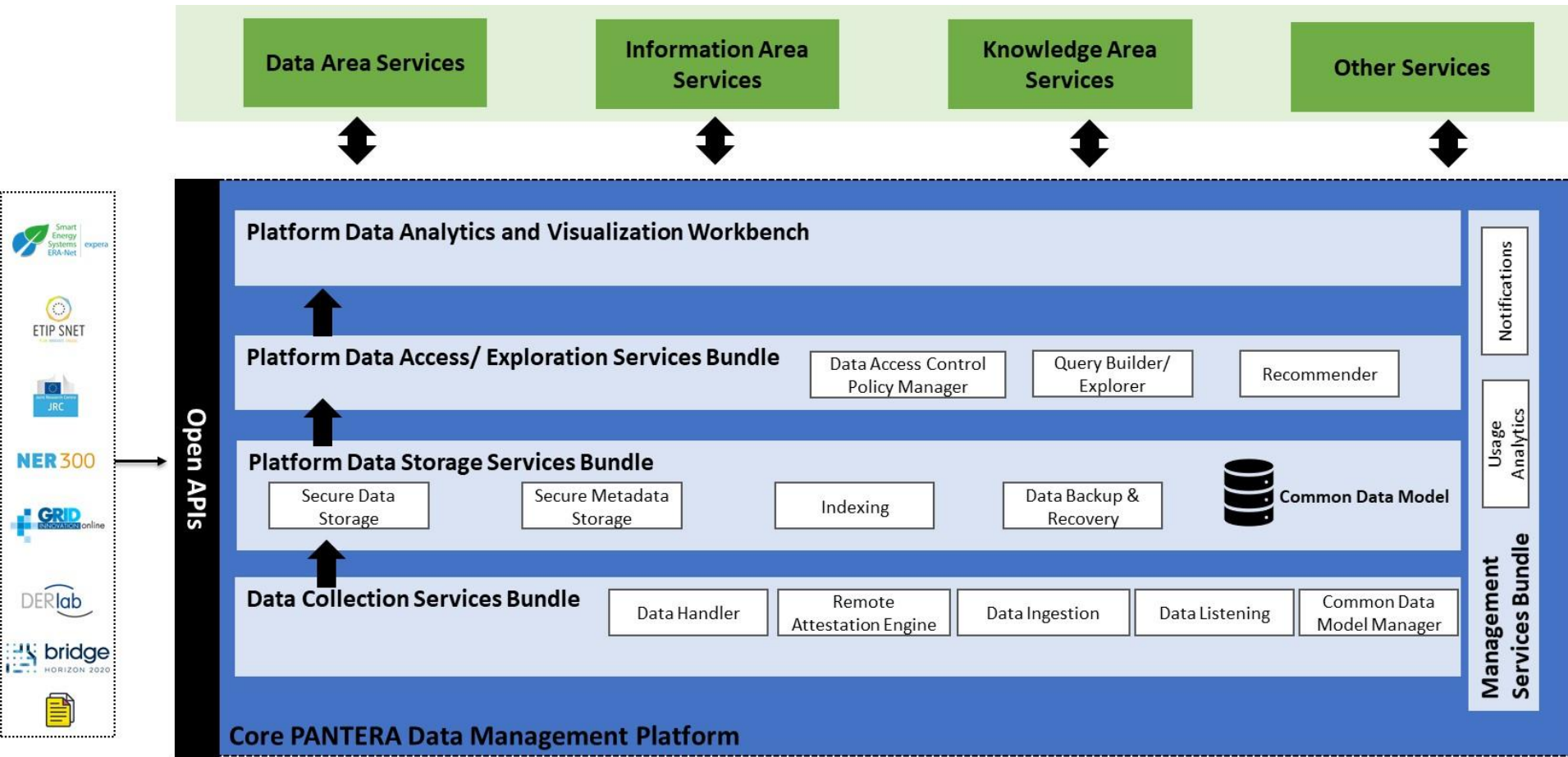
Cooperation at the regional level

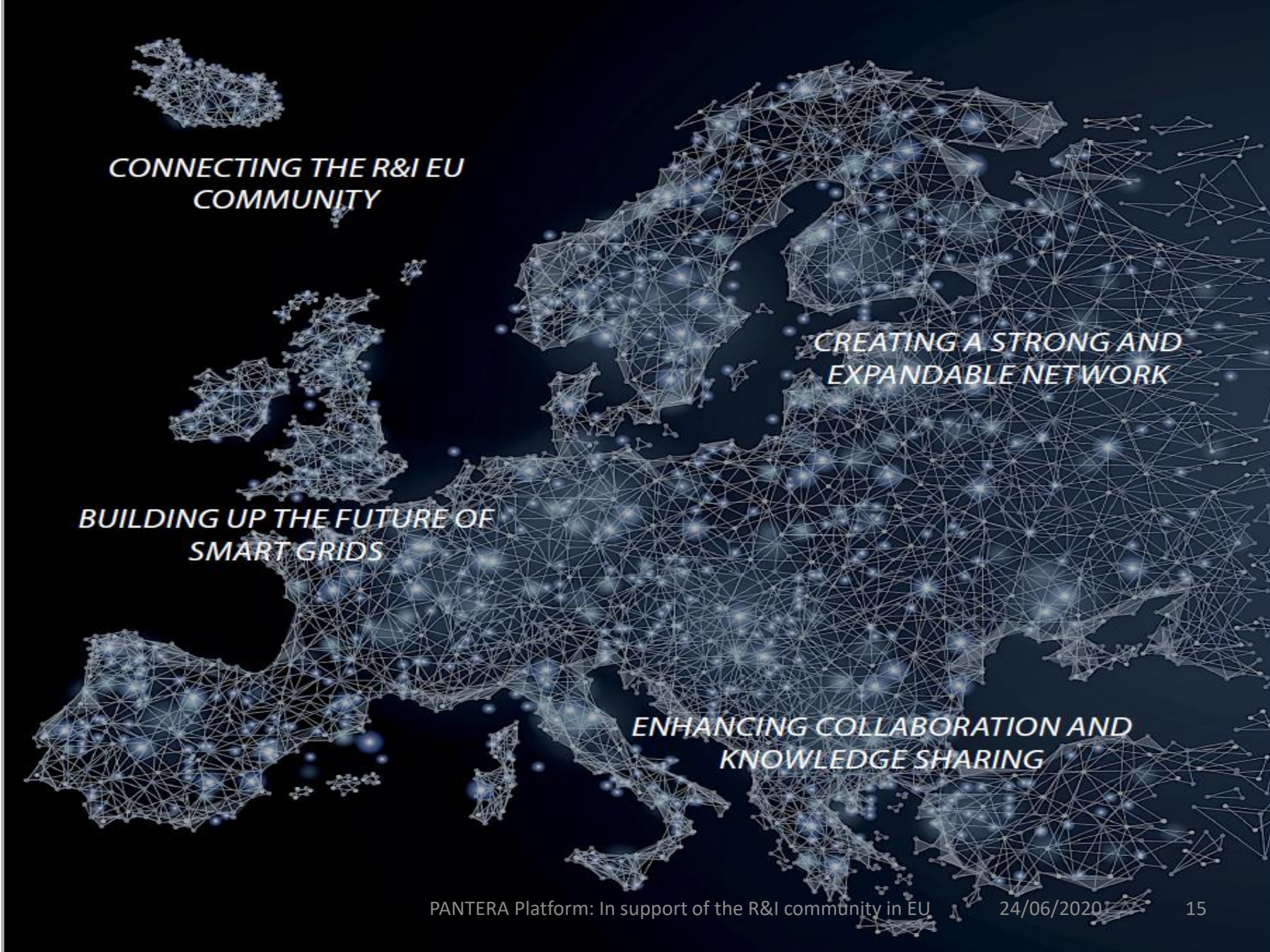


PANTERA Regional desks



PANTERA Platform High-level Conceptual Architecture





*CONNECTING THE R&I EU
COMMUNITY*

*CREATING A STRONG AND
EXPANDABLE NETWORK*

*BUILDING UP THE FUTURE OF
SMART GRIDS*

*ENHANCING COLLABORATION AND
KNOWLEDGE SHARING*

PANTERA platform: Work progress



Stakeholders May –
Dec 2019

- Consultation meetings with ERA-NET
- Consultation meeting with ETIP SNET
- Consultation meeting with JRC with the support of DG Energy and DG RTD

Design Platform
Sep – Dec 2019

- Define Platform functionalities and requirements
- Design platform architecture
- Detailed specifications for required procurement for developing the platform

Agreement with
Stakeholders
Jan-Mar 2020

- Bilateral discussions with stakeholders (DG Energy, DG RTD, ERA-NET, JRC, ETIP SNET) to discuss and agree the detailed specifications and phases of development of the platform

PANTERA Platform: Work progress



Tender – Apr to May
2020

- Identification and agreement of capable tenderers that can undertake the development of the platform based on the detailed specifications
- Issuing of tender to 3 selected tenderers for receiving their technical and financial offers
- Decision on successful tenderer and signing of contract.

Development of the
Platform July 2020
to March 2021

- Contract execution divided in 3 phases of delivery with identified milestones
- Service and maintenance 2 years following final hand over i.e. 2021 to 2022

Thank you



Dr Venízelos Efthymiou
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Sustainable Energy

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