



PANTERA project - A Pan European Technology Energy Research Approach

Setting the scene: Why PANTERA? Main objectives and building the PANTERA process

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PANTERA CSA H2020 project in support of the energy transition



WORKSHOP

"ENERGY TRANSITION THROUGH OPTIMAL USE OF THE RICH RENEWABLE ENERGY RESOURCES OF THE MEDITERRANEAN BASIN."



10&11 NOVEMBER
VIRTUAL EVENT



FOR MORE INFORMATION VISIT


WWW.PANTERA-PLATFORM.EU

The workshop will cover different aspects that the Energy Transition needs to address in order to contribute to the Energy Targets of EU efficiently. In this workshop we will cover smart grids regional evolution with the active contribution of SUPEERA project, NAVIGANT / SWECO contract and the Horizon 2020 project INTERPLAN. Update on progress made with the emergence of the EIRIE platform in support of the R&I in the EU.



Energy transition through optimal use of the rich Renewable Energy Resources of the Mediterranean basin





Time-Zone: South-Eastern Europe (CET+1)		☒
14:00	Day 1 of PANTERA – 10 November 2020	☒
14.00-14.20	Welcome and Setting the scene: Why PANTERA? Main objectives and building the PANTERA process	<i>Venizelos-Efthymiou (FOSS)</i>
1. → Energy Policy and R&D&I needs		
14.20	EC R&I policy and trends – the European dimension	<i>Mario-Dionisio Proj. Officer-EC</i>
2. → Status on grids and R&D&I in participating Member States: what is being done		
14.40-15.40	NAVIGANT – RES driving the energy transition: The potential of the Mediterranean Region	
15.40	Coffee break	☒
15.50	Opening Remarks for the Roundtable 1 and objectives	<i>Christina Papadimitriou (FOSS)</i>
15.55	Introducing the <u>Glisser</u> tool for on-line voting	<i>Mohamed-Shalaby (DERlab)</i>
16.00-16.50	Roundtable 1: Analysis with open discussion aimed at identifying areas of concern of the R&I community in the field of energy systems supporting the strategy for energy transition apart from financing mechanisms in fulfilling their research endeavours, gaps that exist, supporting actions required and next steps	<i>Coordinated by Luciano Martini (RSE-EERA JP for SG) and include Marcelo Barboni (JRC), Nestor Fylaktos (CYI) and Christina Papadimitriou (FOSS)</i>
16:50-17:00	Summary of findings and conclusions	<i>Andrei Morch (SINTEF)</i>



Energy transition through optimal use of the rich Renewable Energy Resources of the Mediterranean basin



⌘	Day 2 of PANTERA/INTERPLAN — 11 November 2020⌘	INTERPLAN 
10:30-10:45⌘	INTERPLAN project and the integrated network operation planning tool: A support for the operators to efficiently manage a network with high share of RES and other emerging technologies.⌘	<i>Ata Khavari (DERlab)⌘</i>
10:45-10:55⌘	A showcase of INTERPLAN tool: Maintain frequency stability in low-inertia systems through innovative inertia management and fast-frequency restoration control functions.⌘	<i>Christina Papadimitriou (FOSS)⌘</i>
10:55-11:45⌘	Roundtable 2: An interactive discussion on the Research questions that lie on the road to the energy transition triggered by the priorities set within NECPs (main objective to co-shape the most urgent Research questions to be addressed in the next 5 years).⌘ 	<i>Coordinator: Rad Stanev (TUS), Ivan Matejak (SUPEERA — 10-min on effective link of NECPs with SET-Plan energy transition strategy), George Partasides (Ministry), Antonis Ioulianos (IDEK), Tasos Gregoriou (DSO)⌘</i>
11:45⌘	Coffee break (15 min)⌘	⌘
12:00-13:05⌘	Roundtable 3: The PANTERA initiative in focus: Regional stakeholders discussing their expectations from PANTERA on how PANTERA can facilitate the active collaboration with Research and Innovation stakeholders?⌘	<i>Coordinated by Anna Mutule Stakeholders Fanos Karantonis (OEB), Nicolas Jarraud (CYI) and Tasos Tsitsanis⌘</i>



General information



Type of Action: Coordination and Support Actions (CSA)

Duration: 48 months

Starting date: 1 January 2019

Total Budget: 3.9 Million Euro

Coordinator:



Consortium:



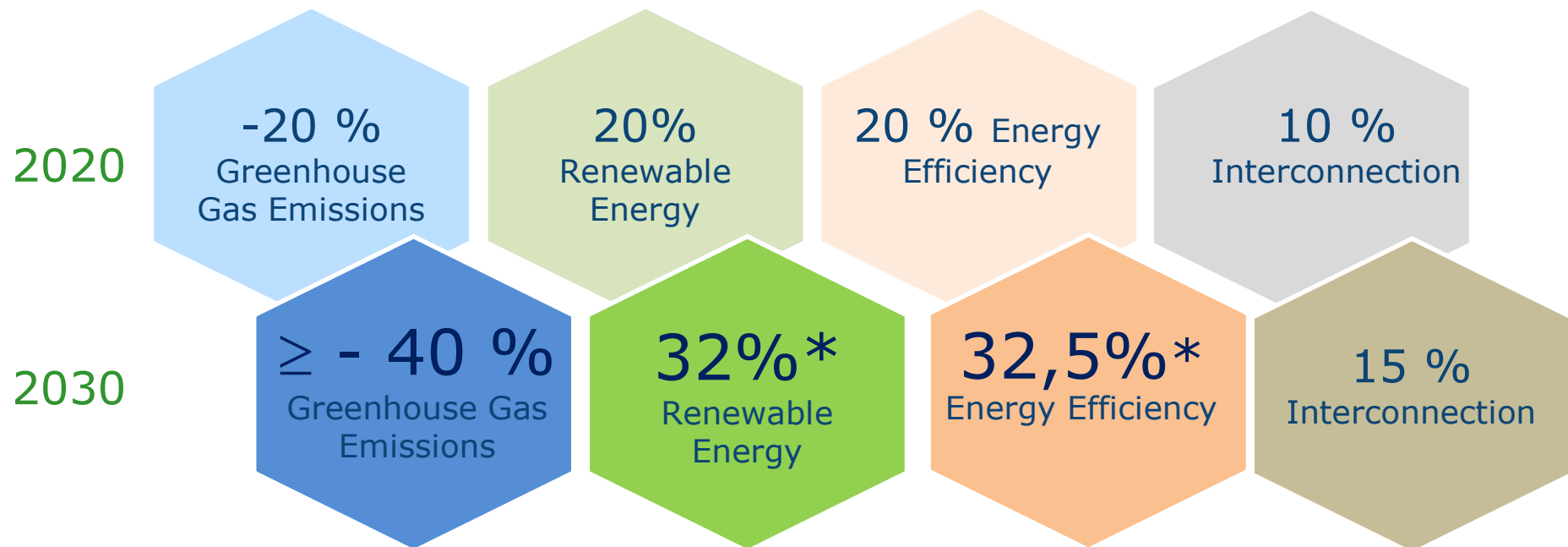
Vision for a Clean Planet by 2050



- The Paris Agreement objective is to keep temperature increase to well below 2°C and to pursue efforts to limit it to 1.5°C
- IPCC report confirms that limiting climate change to 1.5°C has to be pursued to avoid these worst impacts
- For the EU to lead the world in climate action, it means achieving net-zero greenhouse gas emissions by 2050
- The EU with this vision can inform others how we can deliver collectively a clean planet – The Green Deal.
 - The Long Term Strategy shows transforming our economy is possible and beneficial.



Agreed headline targets 2030 Framework for Energy and Climate – Politically Agreed by Parliament & Council



* To be reviewed in 2023 (only upwards)

* To be reviewed in 2023 (only upwards)

Sustainable energy for all Europeans



- To ensure sustainable, secure and affordable energy supplies in the European Union, a fully integrated grid and energy market is required.
- Through integrated emerging technologies and common energy market rules facilitated through cross-border infrastructure, that can optimize the use of sustainable resources in the EU, meaning that energy can be produced in one EU country and delivered to consumers in another.
- Cooperation and collaboration are key.
- This is why the EU-funded PANTERA project is identifying and implementing initiatives aimed at raising the participation of EU countries in the needed R&I for developing technologies, systems and markets in support of the common energy market and the energy transition.
- The project's main goal is to bridge the gaps in research and innovation in the energy field that exist between EU Member States.
- Its mission is to become the single point of reference for SG in the EU.

Are we doing enough for coordinating effort and capitalising on results?



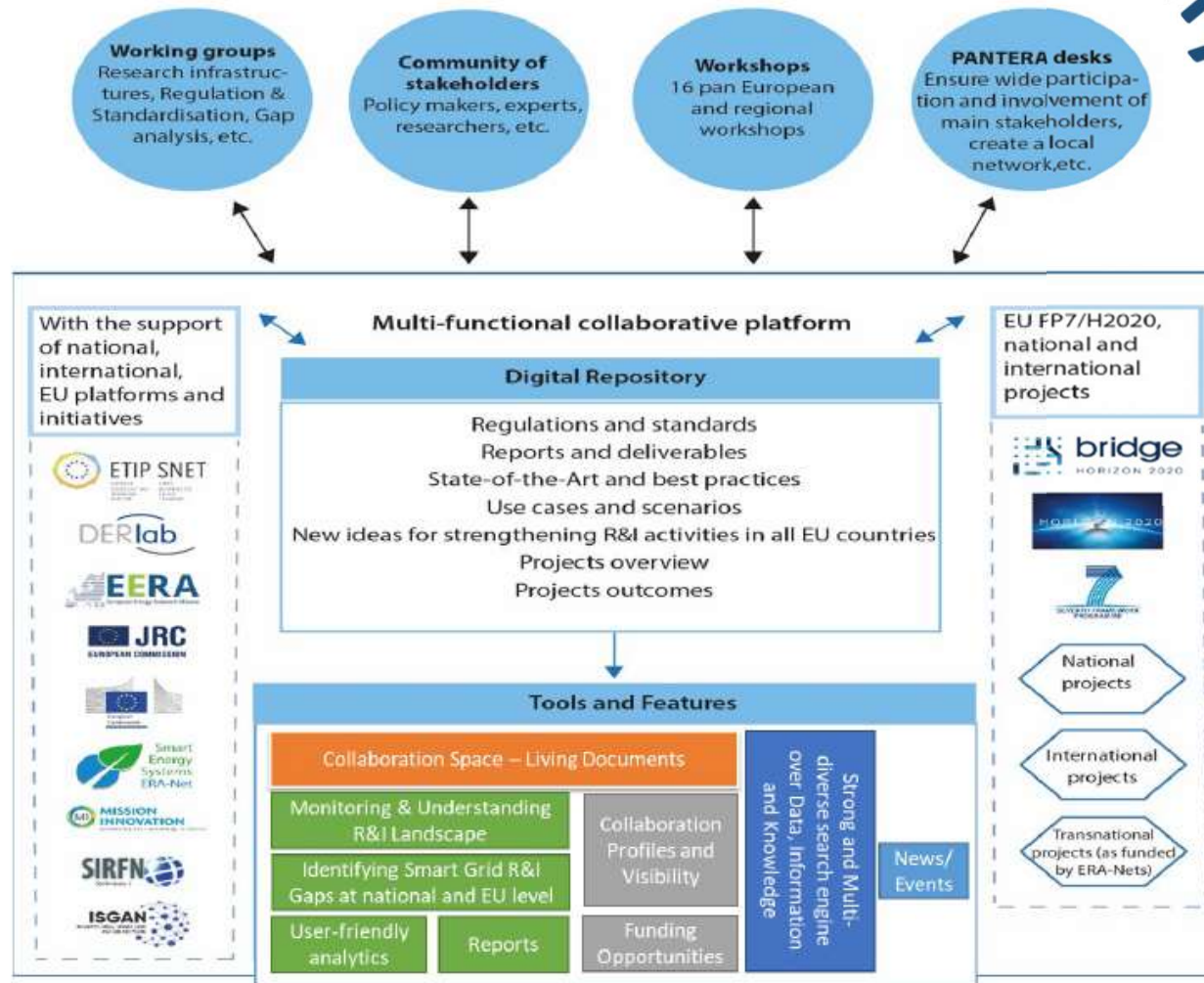
PANTERA targeted countries:



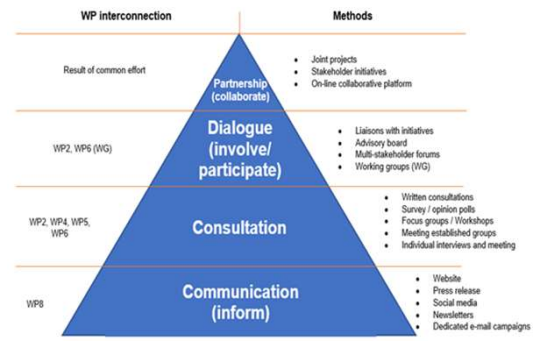
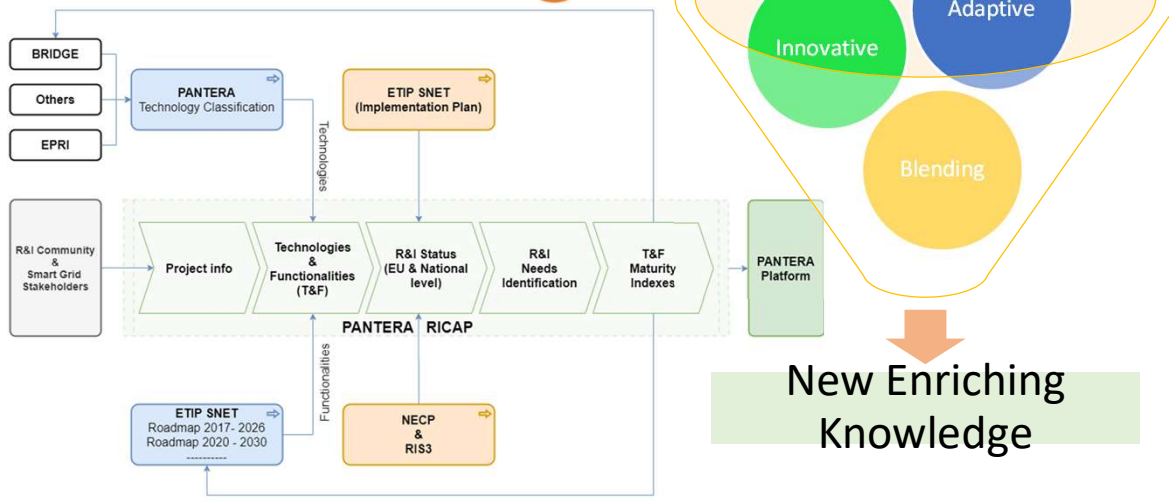
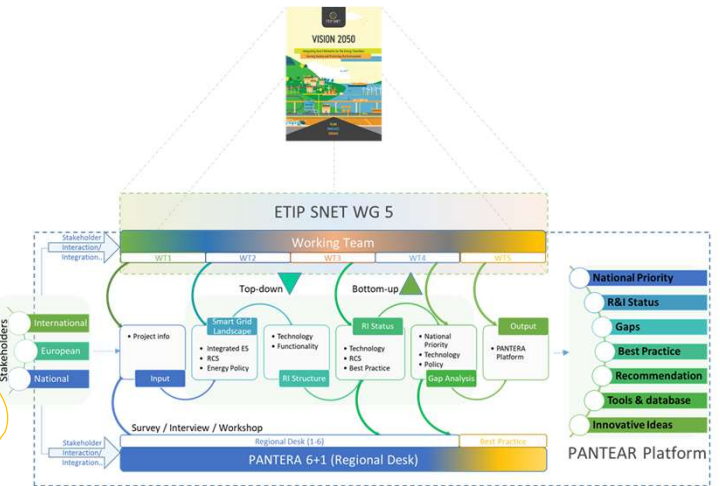
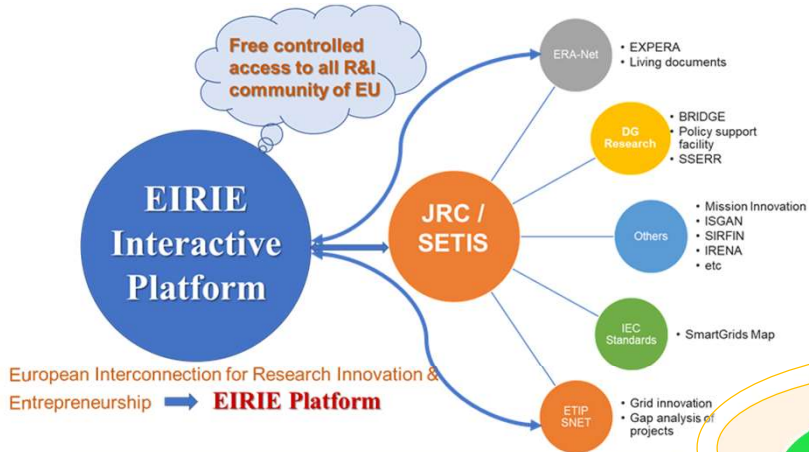
- Bulgaria (BG)
- Croatia (HR)
- Hungary (HU)
- Poland (PL)
- Slovakia (SK)
- Estonia (EE)
- Romania (RO)
- Lithuania (LT)
- Latvia (LV)
- Italy (IT)
- Czech Republic (CZ)
- Malta (MT)
- Cyprus (CY)
- Greece (EL)
- Ireland (IE)



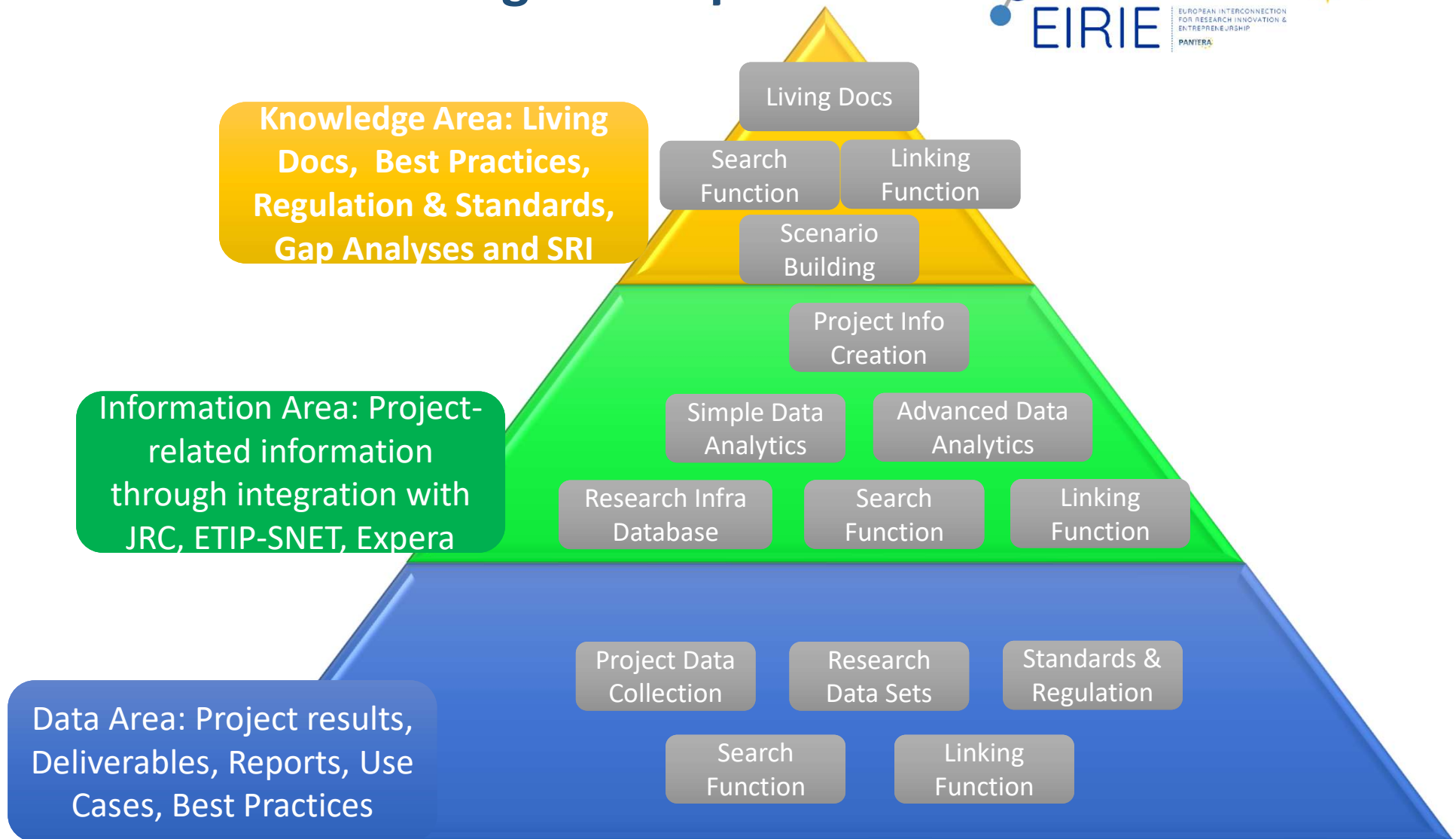
PANTERA Platform Conceptual Representation



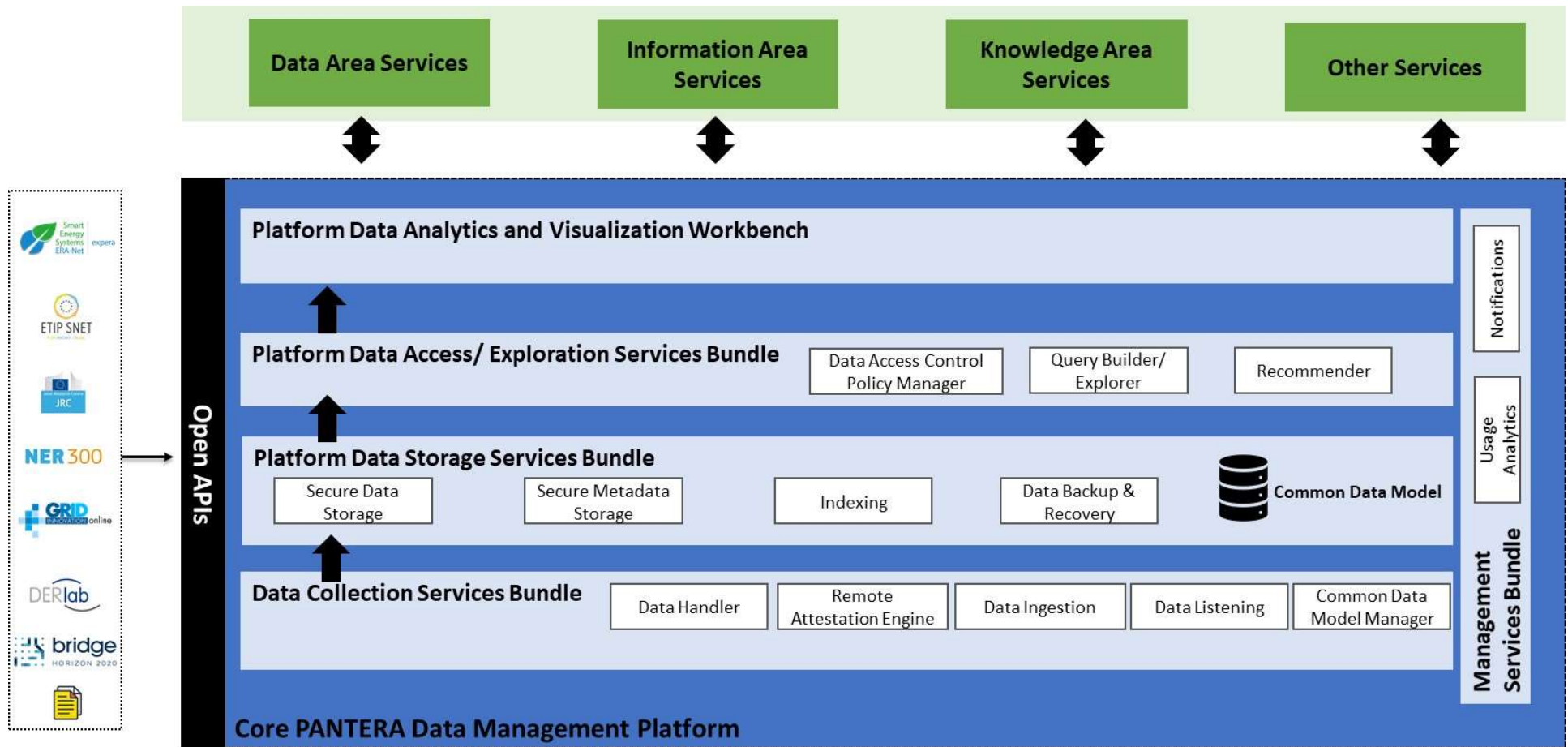
Eye bird view of the PANTERA Process / Objectives



PANTERA Platform Data Provisions and Design Principles



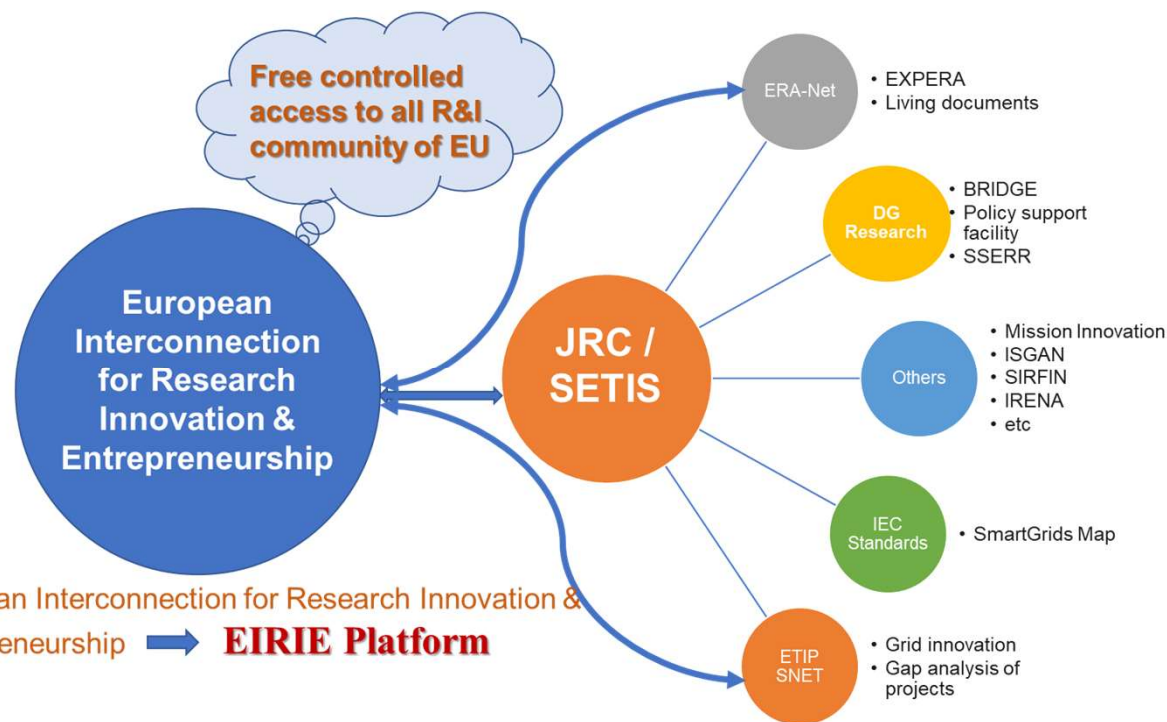
PANTERA Platform High-level Conceptual Architecture



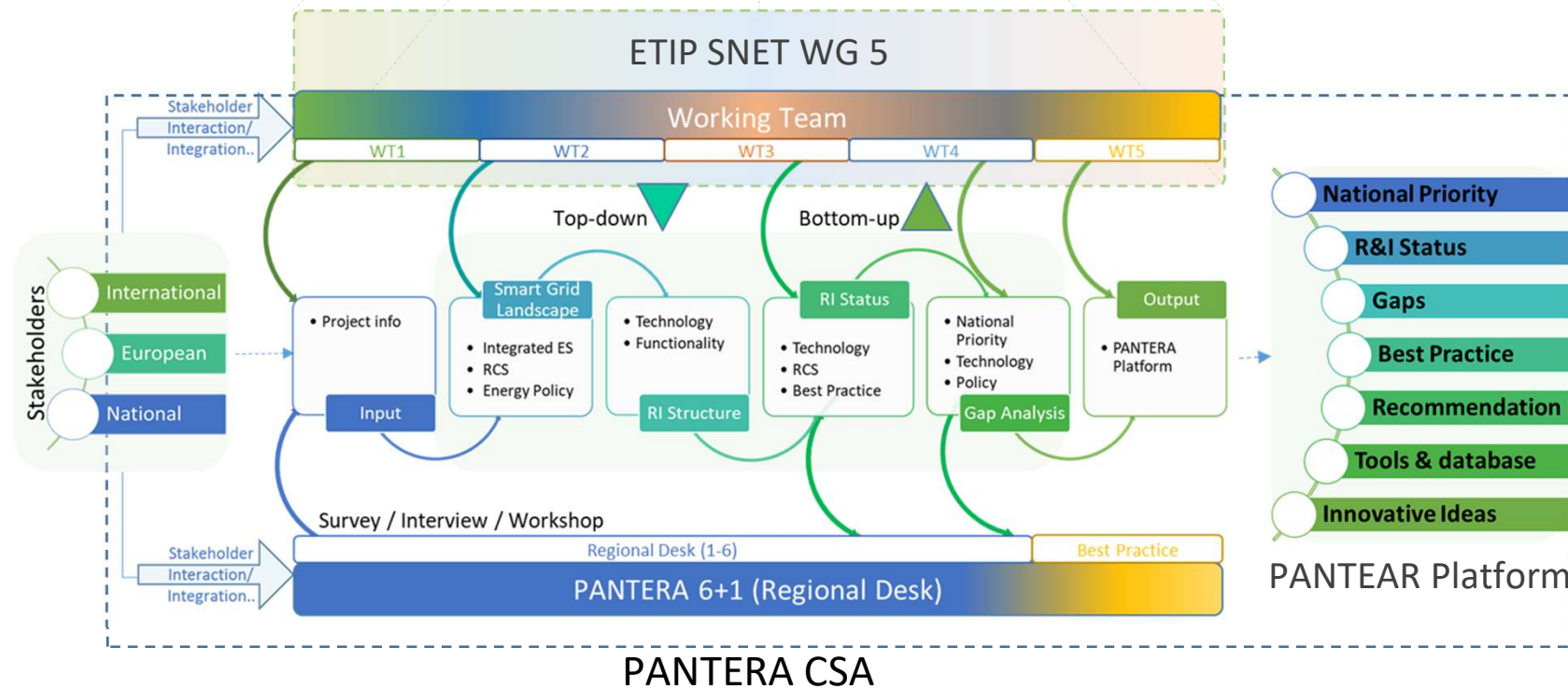
Development of an Interactive multi-functional platform in collaboration with PANTERA, JRC, ETIP SNET and ERA-Net SES



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.



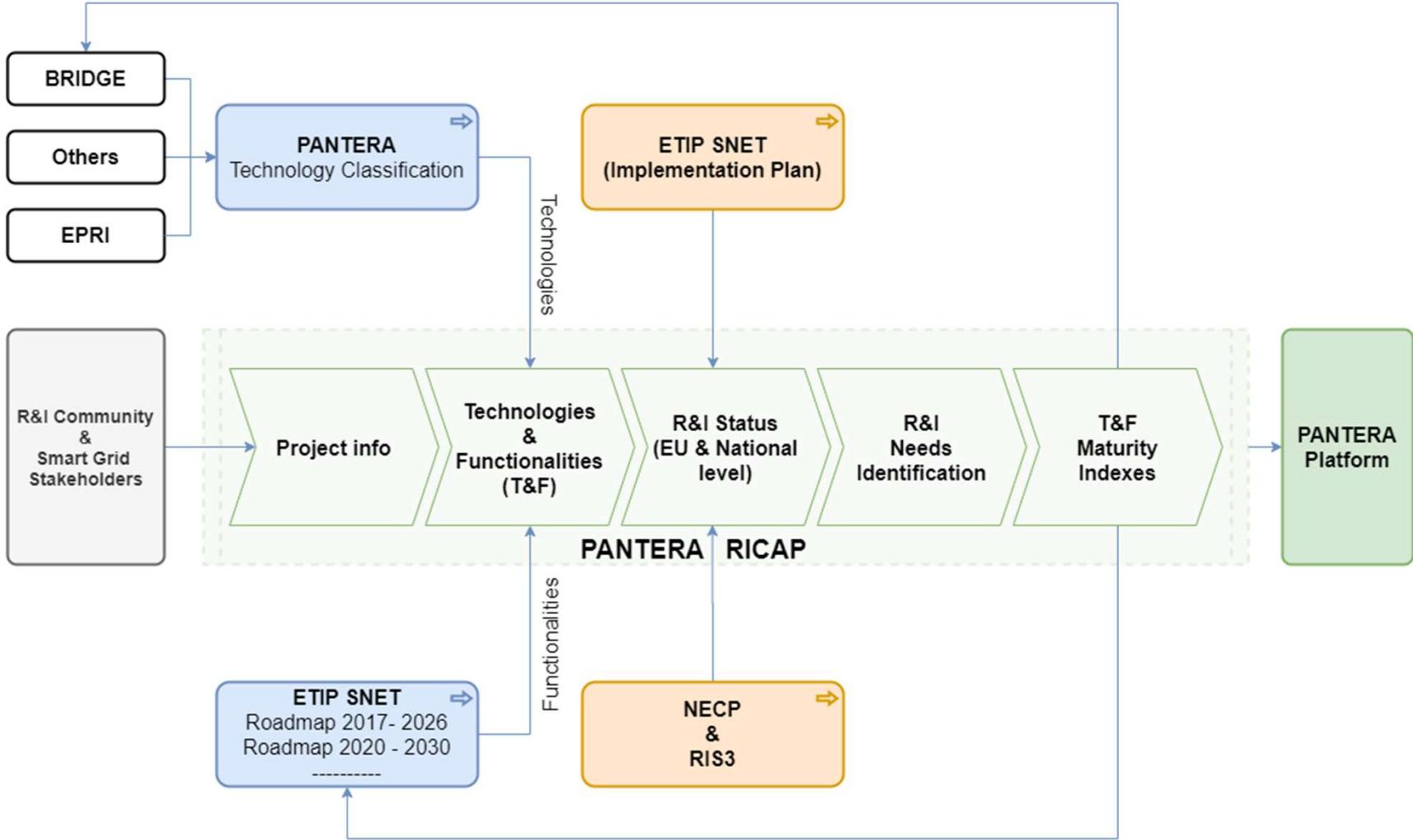
EIRIE will be hosted on the Smart Energy System servers of JRC and sustainability is guaranteed by DG Ener through a dedicated Service contract to take over from the PANTERA consortium on completion of the 4 years



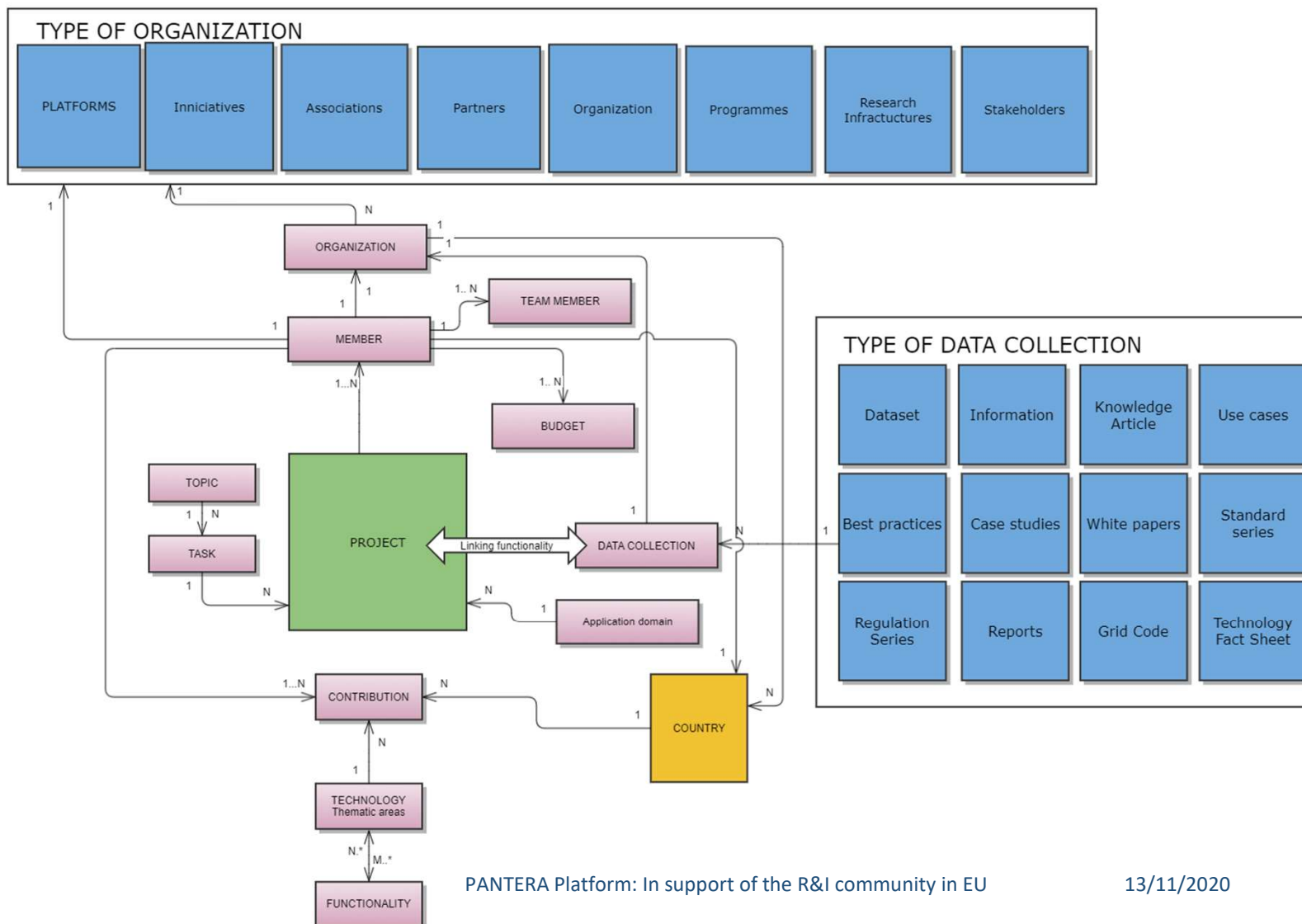
PANTERA RICAP (Administrative Process)



PANTERA RICAP (Technical Process)



Draft data model ready



Initial mockup for the homepage

European Commission | EIRIE

platform Collaborative multi-dimensional

It is PANTERA's vision to create, through the planned multi-functional collaborative platform, this reference operational point to amplify European activities, incentivize further investments in smart grids and support access to exploitable results that can spark further work and cooperation capable of bridging the existing gaps.

Sign in

13 European countries account for less than 5% of EU Research & Innovation funds

True Pan European forum

PANTERA will help bridge the gaps that currently exist in the energy field in Europe between Member States, by bringing together the attractiveness of successful partnerships being national, regional or European, building through them the will for enhanced adoption to areas and partnerships that can broaden active participation for mutual benefit.

Community of stakeholders

PANTERA is aimed at setting up a European forum composed of Research & Innovation stakeholders active in the fields of smart grids, storage and local energy systems, including policy makers, standardization bodies and experts in both research and academia representing the EU energy system.

News

Pan-European PANTERA Virtual Workshop (EUSEW 2020) outcomes
Pan-European PANTERA Virtual Workshop (EUSEW 2020) outcomes On 24 June 2020, the PANTERA project held its first Pan-European workshop, which took ...
11 August 2020 See more >

Join the first Pan-European PANTERA Virtual Workshop
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PANTERA Regional Desks
PANTERA Regional Desks Connecting the Research & Innovation EU community Building up the future of Smart Grids. Creating a strong and expandable ...
28 May 2020 See more >

News Eirie platform
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8 May 2020 See more >

EU platform and initiatives

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ETIP SNET | EERA | SIRFN | JRC | DERlab | ISGAN | MISSION INNOVATION

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PANTERA Platform, in support of the R&I community in EU

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Repository Search Tool

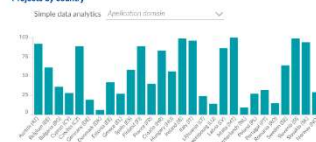


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Projects/Funding by technology



Projects by country



ORGANIZATION PROJECT DATA COLLECTION FILTERS

All Standard Regulation

Keywords: Start Date: End Date:

Countries: Technology Categories: Technology:

TBL: Nature: Exploitation and effective use:

Barriers: Additional next steps: Investment needed:

View more filters

Search

CINELDI

Centre for intelligent electricity distribution to empower the future smart grid

Project dates: 2016 - 2024 Last update: 23 June 2020

Project coordination | Organisation: ABB | Country: Sweden | Type: Research & Innovation

Enabling a cost-efficient implementation of the future flexible and robust electricity distribution grid. This will pave the ground for increased distributed generation from renewable resources, electrification of transport, and more efficient energy use.



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Project dates: 2016 - 2024 Last update: 23 June 2020

Project coordination | Organisation: XXX | Country: CCC | Type: YYY & ZZZ

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Project dates: 2016 - 2024 Last update: 23 June 2020

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Initial mockup for the search tool



European Interconnection for Research Innovation & Entrepreneurship (EIRIE)



Meet EIRIE, the new PANTERA platform that stands for **European Interconnection for Research Innovation & Entrepreneurship**.

Within the PANTERA project, we have been hard at work on developing an **interactive multi-functional platform** that will act as THE meeting point of all actors active in the field of energy research & Innovation from all Europe.

We have been in close collaboration with the European Commission and important stakeholders such as **JRC** (EC Joint Research Centre), **ETIP SNET** (ETIP Smart Networks for Energy Transition) and **ERA-Net SES** (ERA-Net Smart Energy Systems) to make EIRIE a true success.



Stay tuned ... Much more is to come!!!



*Thank
you*



Dr Venizelos Efthymiou

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Sustainable Energy*

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www.foss.ucy.ac.cy