PANTERA project: A Pan-European Technology Energy Research Approach

Main objectives that constitute the PANTERA process

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EU H2020 Programme GA No. 824389

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: FOSS Research Centre for Sustainable Energy

Consortium:

DERlab European Distributed Energy Resources Laboratories, RSE Ricerca Sistema Energetico, SINTEF, Suite5 We Deliver Intelligence, UCC University College Cork, Ireland Coláiste na hOllscoile Corcaigh, UCD DUBLIN, Technical University Sofia

The PANTERA consortium on a map

Vision for a Clean Planet by 2050

- PANTERA CSA steps in to raise awareness, participation, effectiveness, full use of EU resources and as a result :
  - ✓ strengthen the involvement of the European industry and
  - ✓ sharing of benefits achieved.

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Why PANTERA?

Europe wants coordinated steps forward to achieve the Energy Transition in meeting climate change needs.

The smartening of the grid infrastructure has taken by storm the traditionally slow moving electrical industry in the last decade.

PANTERA steps in to raise awareness, participation, effectiveness, full use of EU resources and as a result :

→ **Strengthen the involvement of the European industry and sharing of benefits achieved.**

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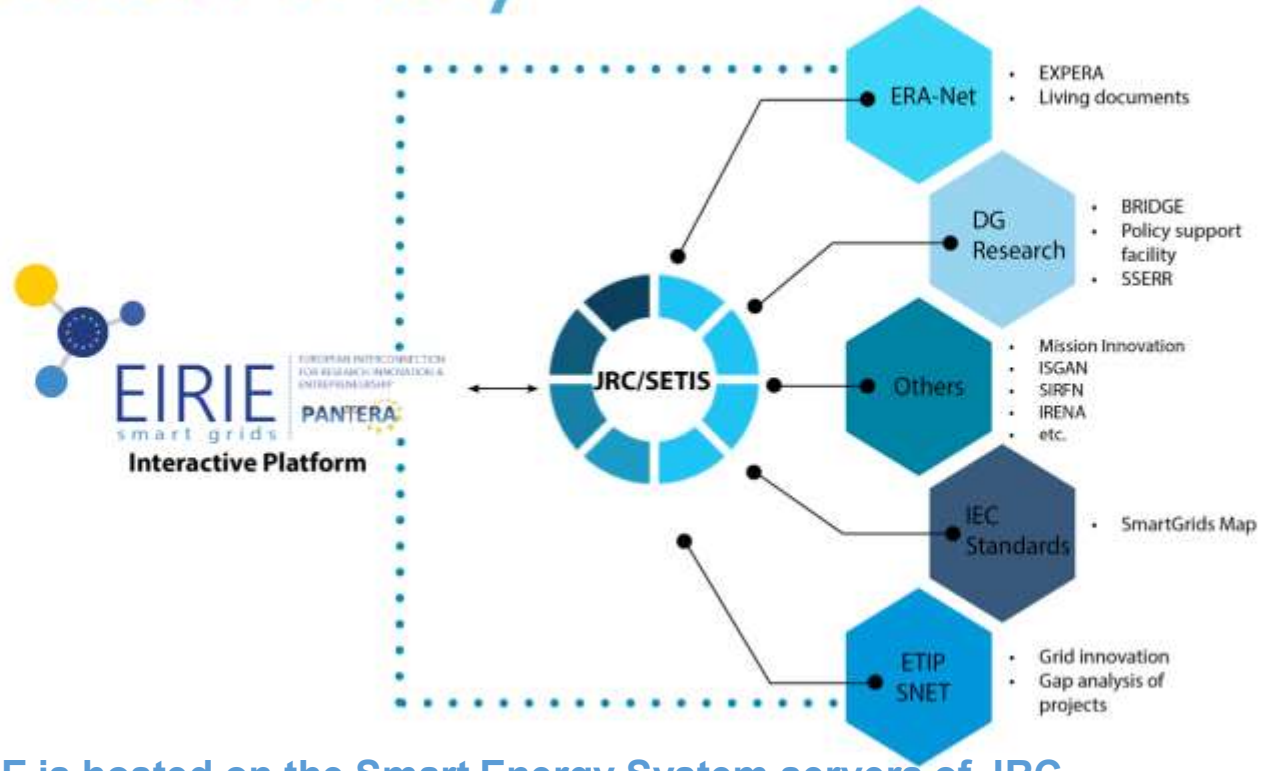
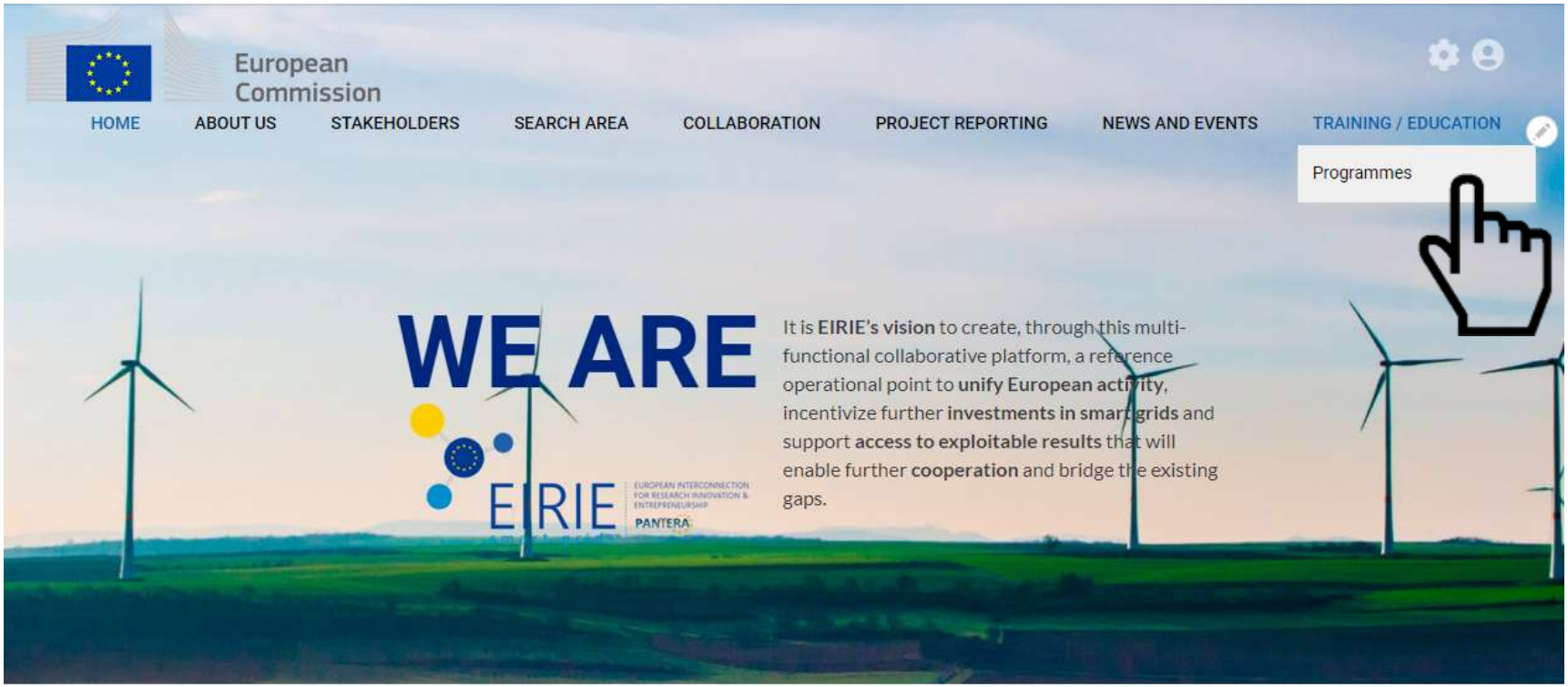
Collaboration is key



EIRIE is 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

SG Outlook/ Map | DiNeMo | resLoadSIM | SG Interactive Tool | DSO Observatory | SG Labs Inventory



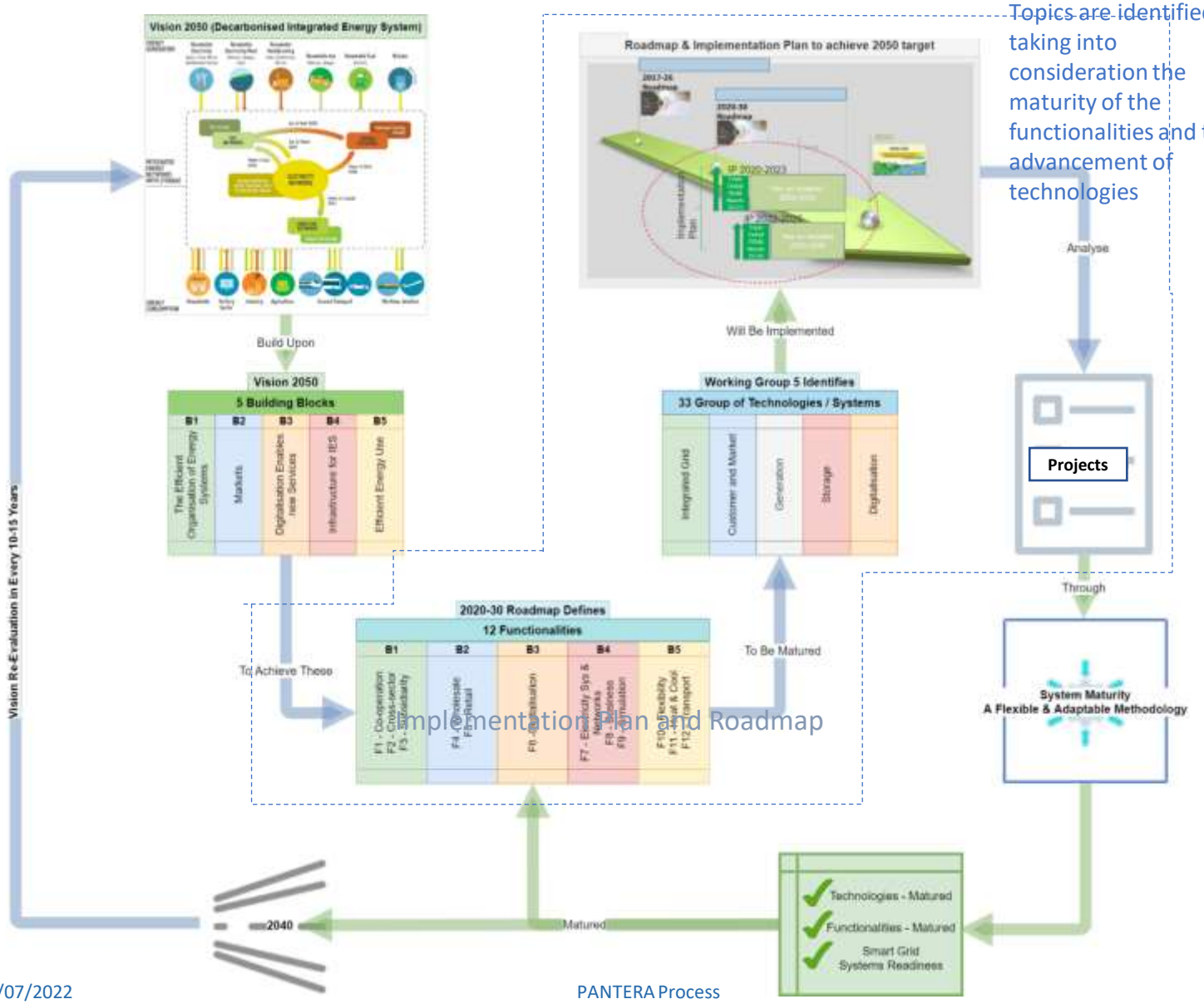
Community of stakeholders

Sustainability and collaboration

Collaborative multi-dimensional platform

PANTERA RICAP process for capturing evolution of system

Destinations, Calls and Topics are identified taking into consideration the maturity of the functionalities and the advancement of technologies



Get in touch

https://pantera-platform.eu/

www.eirie.eu

or

https://ses.jrc.ec.europa.eu/eirie/en

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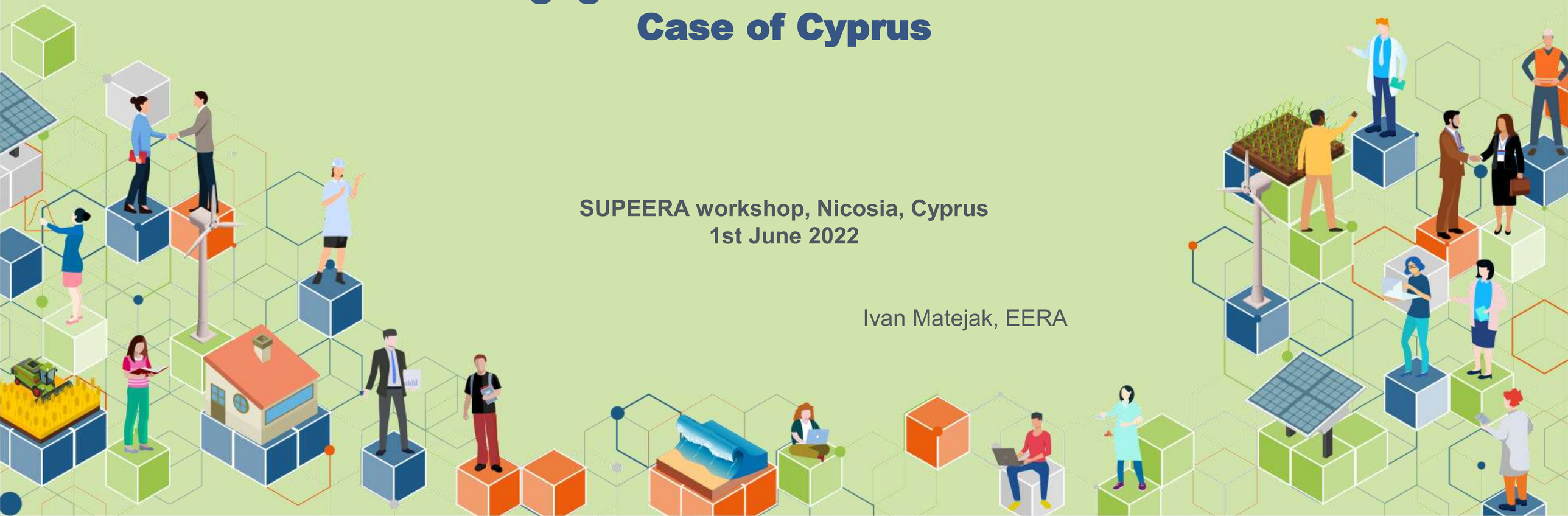
Support to the coordination of national research and innovation programmes in areas of activity of the European Energy Research Alliance

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 949125.

Engagement of EU-13 in H2020
Case of Cyprus

SUPEERA workshop, Nicosia, Cyprus
1st June 2022

Ivan Matejak, EERA



Housekeeping Rules

- The webinar is recorded
- Do not turn on your microphone unless you are given the floor
- Please send your questions via chat to all organisers
- Questions sent will appear directly in presenters' chat boxes
- The recording of the webinar and the slide deck will be circulated to all participants

EUROPEAN ENERGY RESEARCH ALLIANCE

EERA
European Energy Research Alliance

- A key player in the European Union's **Strategic Energy Technology (SET) Plan**.
- The **largest low-carbon energy research community** in Europe bringing together **leading research institutes** to expand and optimise EU energy research capabilities.
- Membership-based, non-profit association.

250
public research centres and universities

30
countries

50K
energy experts

We support the Clean Energy Transition by catalysing European energy research and providing world-leading scientific expertise on three thematic categories (18 Joint Programmes).

LOW- CARBON TECHNOLOGIES

MATERIALS

SYSTEMIC TOPICS

SUPEERA supports the SET Plan and the Clean Energy Transition

We...

- → Facilitate the coordination of the research community (also by “widening”)
- → Accelerate innovation and uptake by industry
- → Provide recommendations on policy
- → Promote the SET Plan and the Clean Energy Transition

We connect the dots.

EERA
European Energy Research Alliance

cea

DTU

KIT
Karlsruhe Institute of Technology

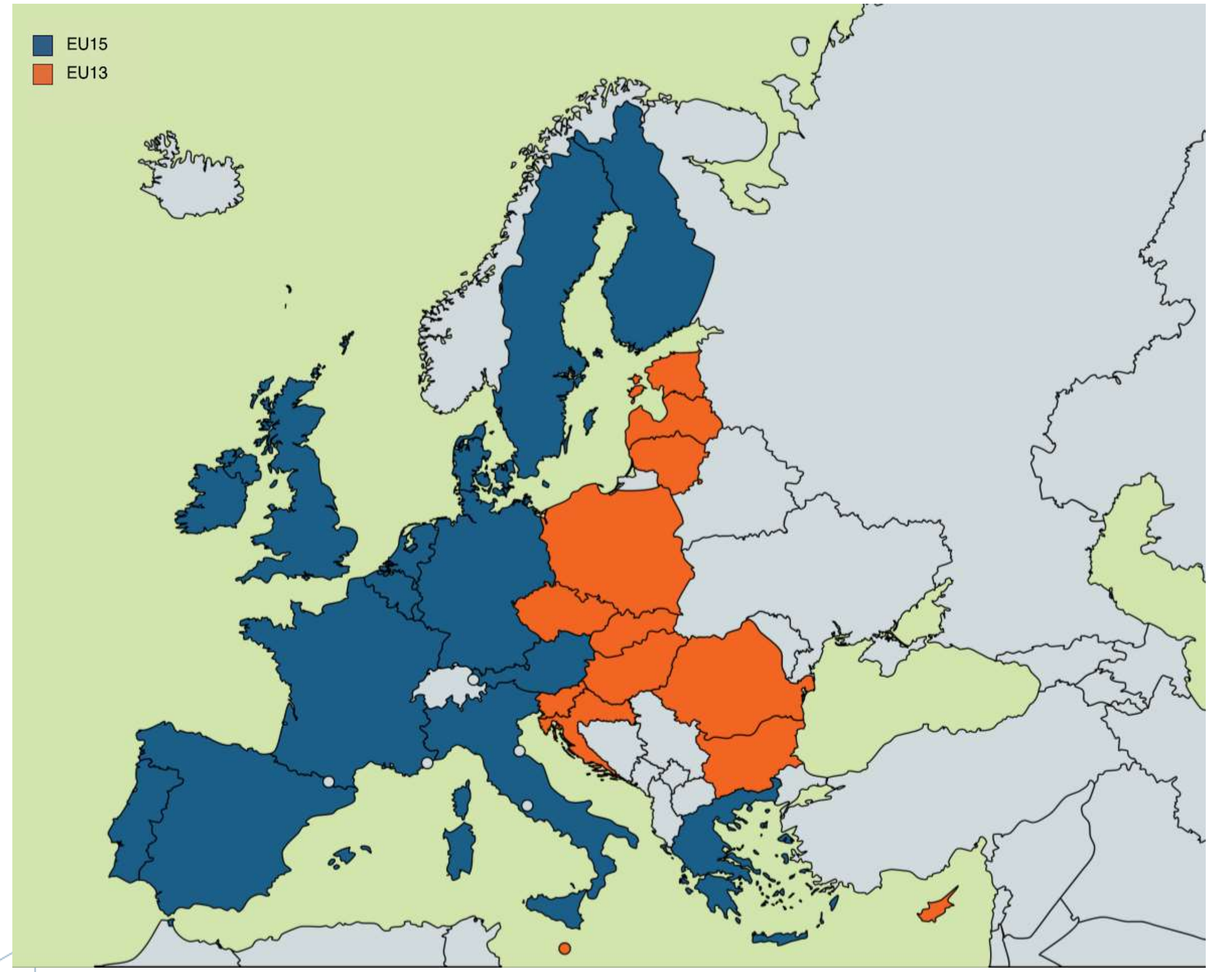
SINTEF

VTT

Introductory note

The research and innovation gap between EU13 and EU15 Member States

The R&I gap between EU13 and EU15 Member States

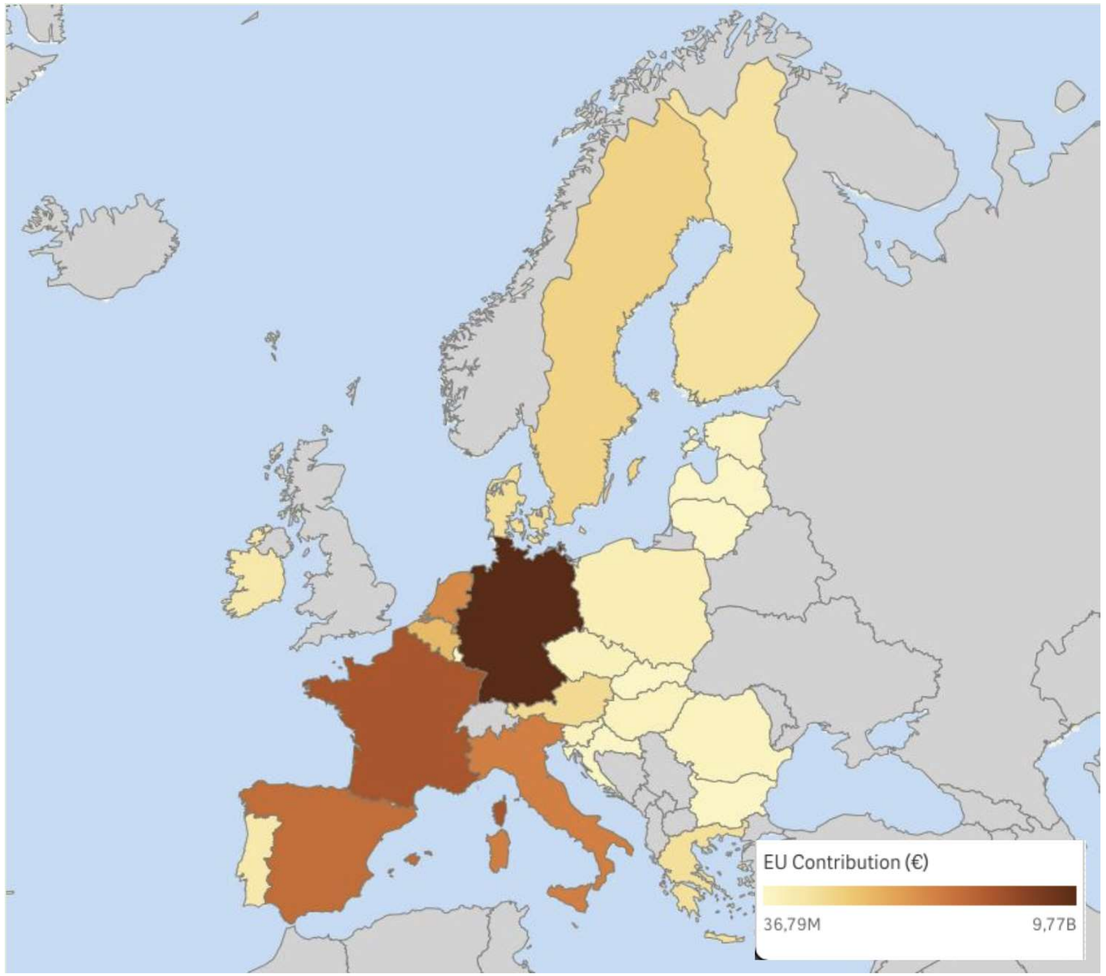


The **research and innovation (R&I) gap** in the EU is a pressing **challenge**, especially in consideration of the **2030** and **2050 climate goals**.

EU13 countries have **low participation rates** in the SET Plan, their national research organisations have **limited awareness** of the Clean Energy Transition (CET) priorities, funding schemes and initiatives and have received only a **marginal contribution** of Horizon 2020's budget.

The gap in relation to Horizon 2020 contribution: geographical distribution

Geographical distribution of Horizon 2020 net contribution by country



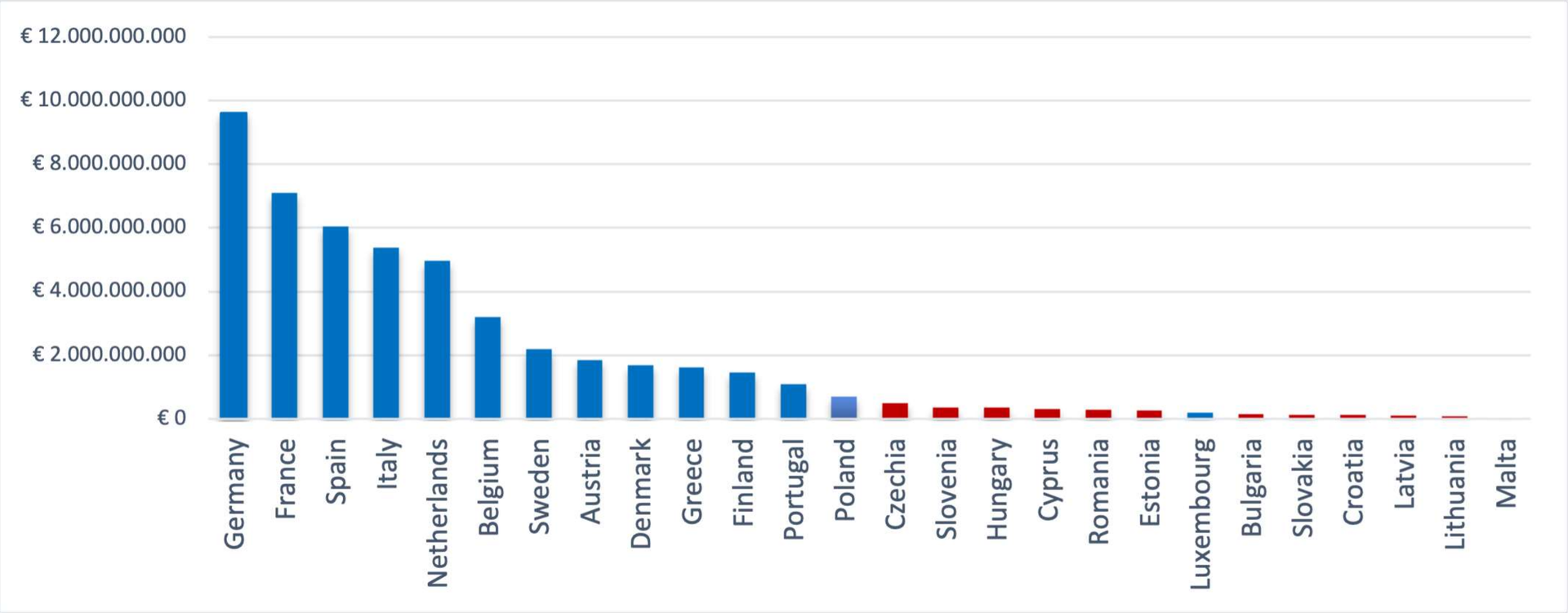
The limited commitment to the SET Plan reflects in **low H2020 performance**.

EU13 countries have received only a **marginal contribution** of Horizon 2020's budget compared to EU15.

Image source: Horizon 2020 dashboard (European Commission, 2021).

The gap in relation to Horizon 2020 contribution: EU13 vs EU15

H2020 net EU contributions (mil. EUR)



Only 5% of the total Horizon 2020 budget has been allocated to research teams from the EU13 Member States.

Source of the data: Horizon 2020 country profile database (European Commission, 2021).

H2020 performances

Sample	Organisations involved in H2020 projects	Organisations involved in H2020 projects (% of EU total)	H2020 net EU contribution (in Mil)	H2020 net EU contribution (% of EU total)
EU total	151.718	100,00%	€ 59 580	100,00%
EU13 total	14.640	9,65%	€ 3 470	5,82%
EU15 total	137.078	90,35%	€ 56 120	94,18%

→Among EU13, **Malta** receives the lowest net contribution (EUR **36,79 million**), while **Poland** receives the highest contribution (EUR **713,12 million**).

vs.

→Among the EU15 countries, **Luxembourg** is the country receiving the lowest share from Horizon 2020 (EUR **189 million**), while **Germany** receives the highest contribution of EUR **9 600 million**

Cyprus H2020 performances

Sample	H2020 signed grants	Organisations involved in H2020 projects	Organisations involved in H2020 projects (percentage of EU total)	H2020 net EU contribution (in Mil)	H2020 net EU contribution (percentage of EU total)
Cyprus	**712**	**946**	**0,62%**	**€ 310**	**0,52%**
EU total	32.064	151.718	100,00%	€ 59 580	100,00%
EU13 total	6.229	14.640	9,65%	€ 3 470	5,82%
EU15 total	30.881	137.078	90,35%	€ 56 120	94,18%

The percentage of eligible proposals is well above the EU13 average and almost twice as big as the EU average

Horizon 2020 performance analysis

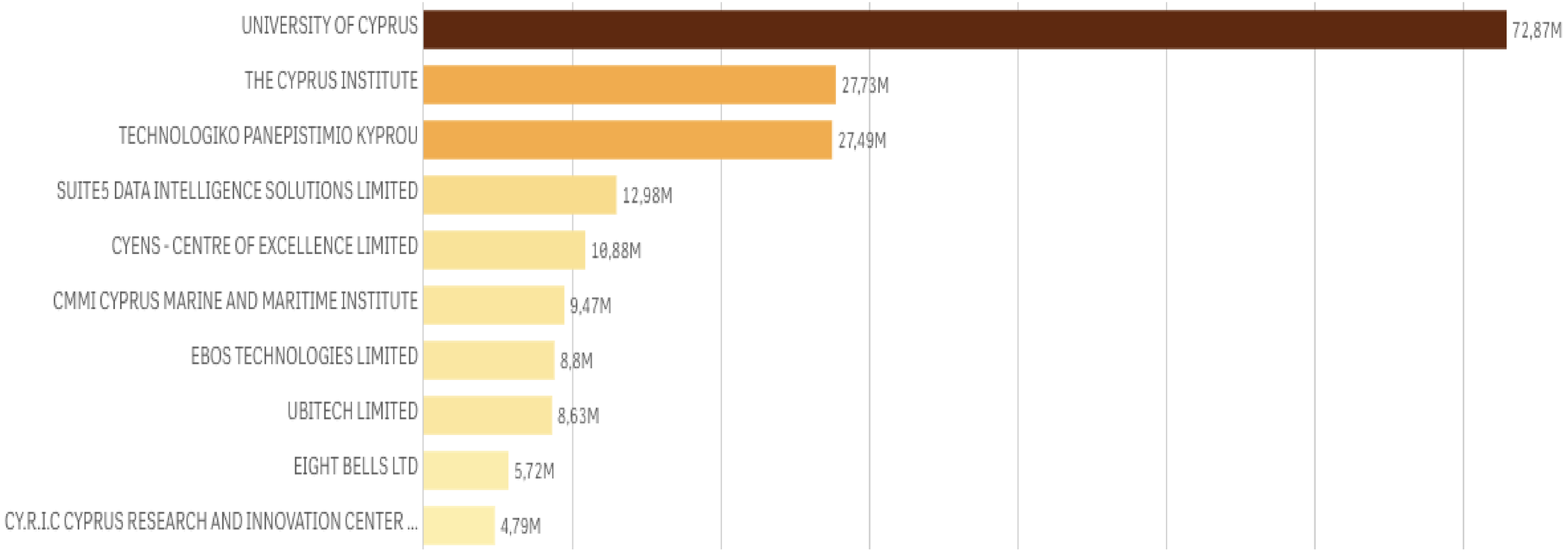
1st assumption: relative weakness of the R&I systems of EU13 vs EU15

Sample	Total R&D Intensity	Private R&D Intensity	Knowledge-intensive employment	Innovation performance
Cyprus	0,56%	0,20%	38,4%	Moderate Innovator
EU average	2,10%	0,40%	36,10%	

2nd assumption: relative lack of scientific excellence in institutions from EU13 vs EU15

Sample	Top-cited publications rate	Researchers ratio ranking
Cyprus	8,4%	27 out of 28 EU MSs
EU average	11,11%	

Ten highest-ranking organisations by net Horizon 2020 contributions (mil. EUR)



Of the EUR 310,8 million of net amount of fund received from the grants, which is above the EU13 average value (EUR 267 million), 44% goes to the education sector while research gets only 6%.

▶ Reasons for H2020 lower performance according to the NCPs

- “Low level of national investment in R&I”, which is consistent with the first assumption;
- “Relatively young research community of the country”, which if interpreted in terms of unexperienced, could be linked with the second assumption;
- “Limited capacity of Cyprus industry (service-oriented economy)” that is more related to the shape of the national economy;
- “Limited access of Cyprus research community to ‘high-quality’ international networks, which constitute the basis for the proposal consortia”.

Possible reasons and challenges

Explaining the performance gap between EU13 and EU15 Member States

Root causes and structural challenges

Among the reasons explaining EU13 performance gap are:

- **National priorities not aligned** with European ones;
- **Weakness** of the **R&I systems**;
- **Administrative** and **regulatory burdens** obstructing R&I;
- Socio-economic **relevance of fossil fuels** (especially coal) making the transition towards a low-carbon economy less appealing;
- **Limited involvement** in the **SET Plan** landscape;
- **Lack of ties** at European and international level;
- **Absence of integration** between **business** and **academia**.

Reasons for the Horizon 2020 performance gap

Main causes for EU13 performance gap are:

1. **Relative weakness** of the **R&I systems** of EU13 vs EU15;
2. **Relative lack of scientific excellence in institutions** from EU13 vs EU15;
3. **Relative lower quality of proposals** involving EU13 participants compared to those that do not.

These three hypotheses have been assessed through a set of indicators and led to the identification of a **correlation between low scores** in these **indicators** and **Horizon 2020 performance**.

Other challenges related to Horizon 2020

- **Lack of experience** and **complexity of Horizon 2020** dissuading from participating in the Framework Programme;
- **Lack of international network** and **regional cooperation**;
- Ease of accessing **alternative** sources of **funding**;
- **Lack of adequate administrative support.**

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EERA
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Support to the coordination of national research and innovation programmes in areas of activity of the European Energy Research Alliance

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 949125.

Mobilization of EU13 national public research resources in the Clean Energy Transition: challenges and opportunities

SUPEERA workshop, Nicosia, Cyprus
1st June 2022

Ivan Matejak, EERA

The new European/World Context

Revamping SET Plan

REPower EU

EU Green Deal

Energy crisis emergency

New Energy Paradigm

EU Strategic Autonomy

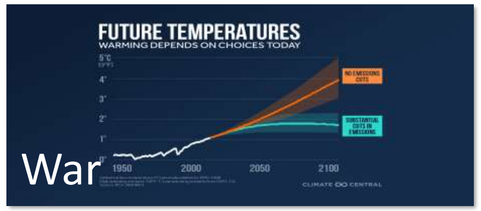
New Geopolitical Order

200 – 700 M migrants 2050

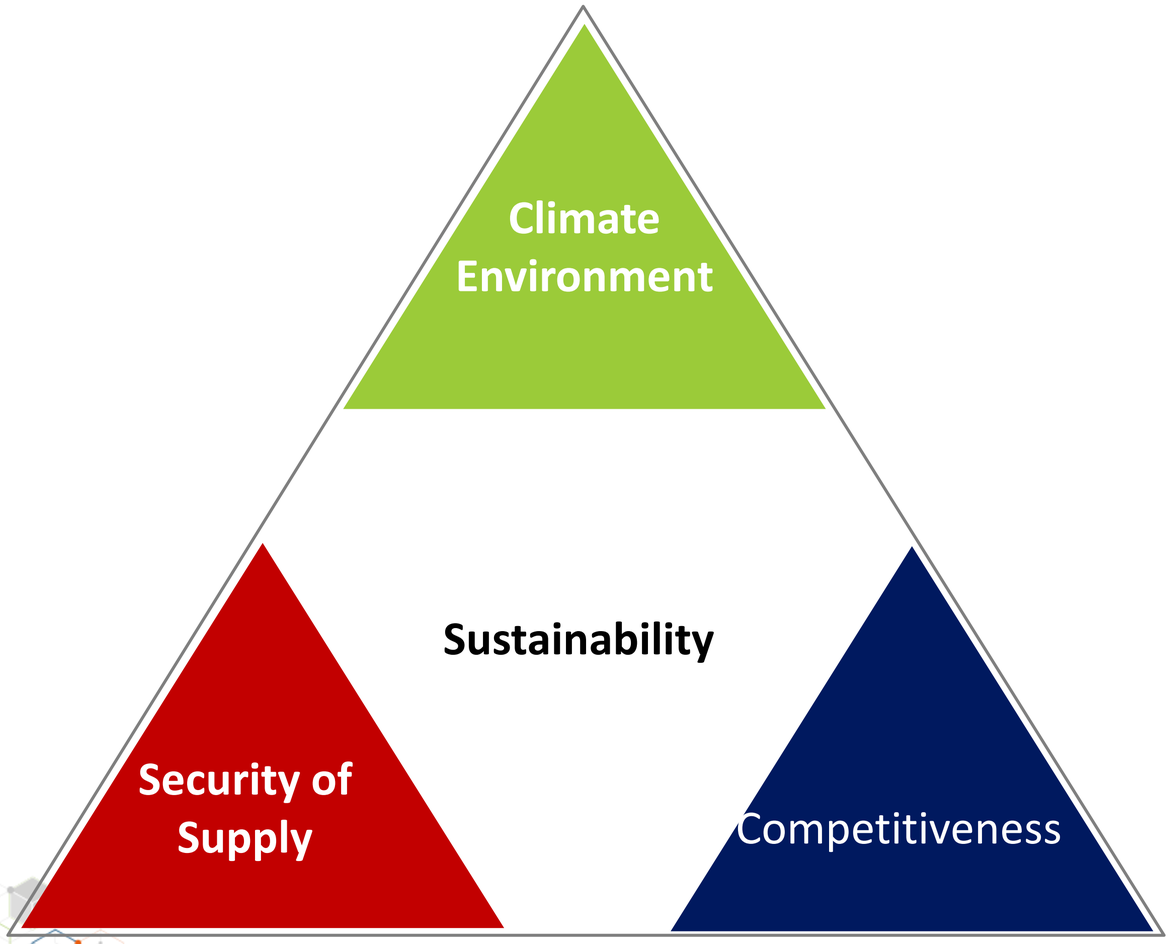
2° in 2050, 3°-4° in 2100

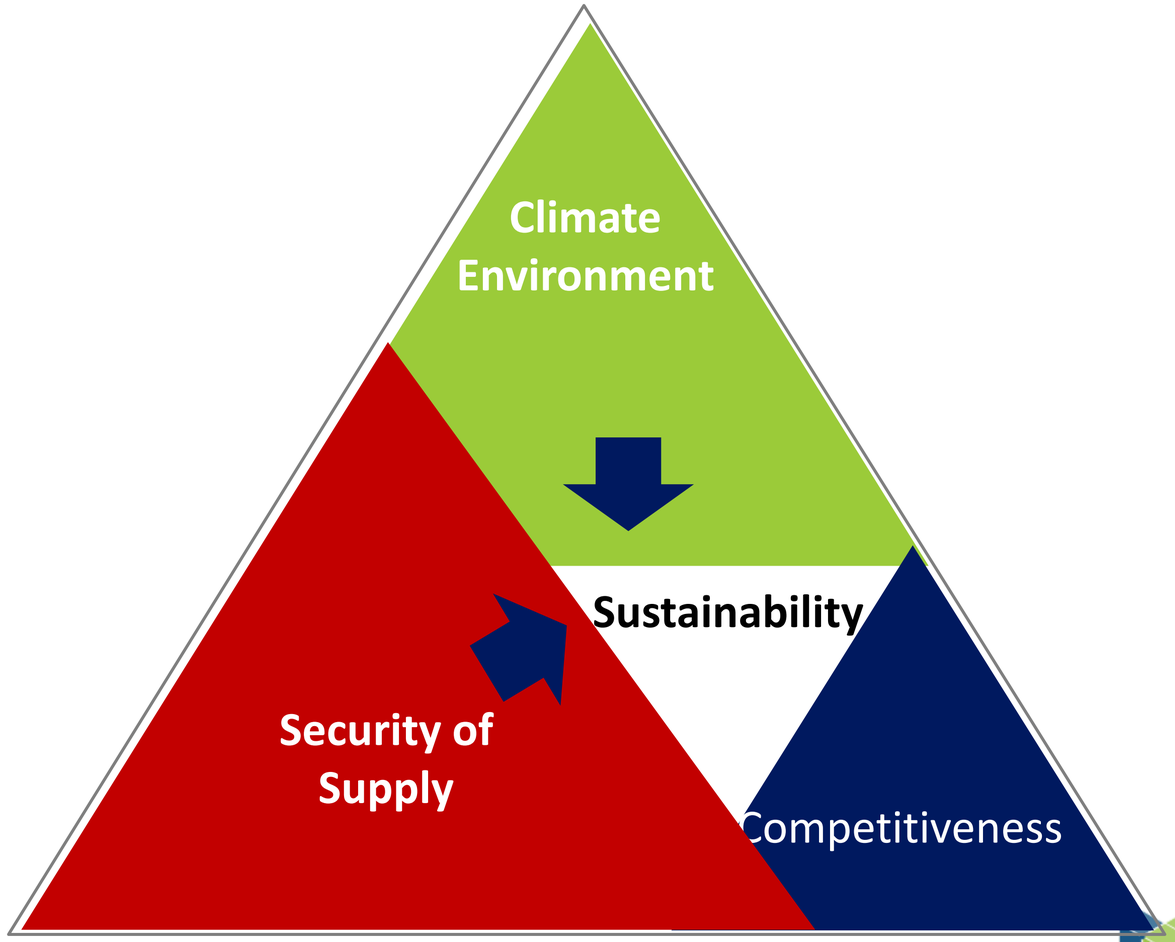
Rebound Fossil invest.

Increasing emissions



War in Europe + Climate emergency: Change in priorities





Strategic Energy Technology (SET) Plan

Established in 2007 (currently in revision process), it plays a key role in serving the goals of the European Green Deal by facilitating the delivery of clean energy innovations necessary to achieve the European transition to climate neutrality by 2050.

Synergies with the EGD and FIT455

- Alignment with EC strategies
- Break down the silos
- Track for 55% reduction

R&I alignment

- NECPs measures
- Improving competitiveness
- Coordination between MS

Monitoring of R&I spending

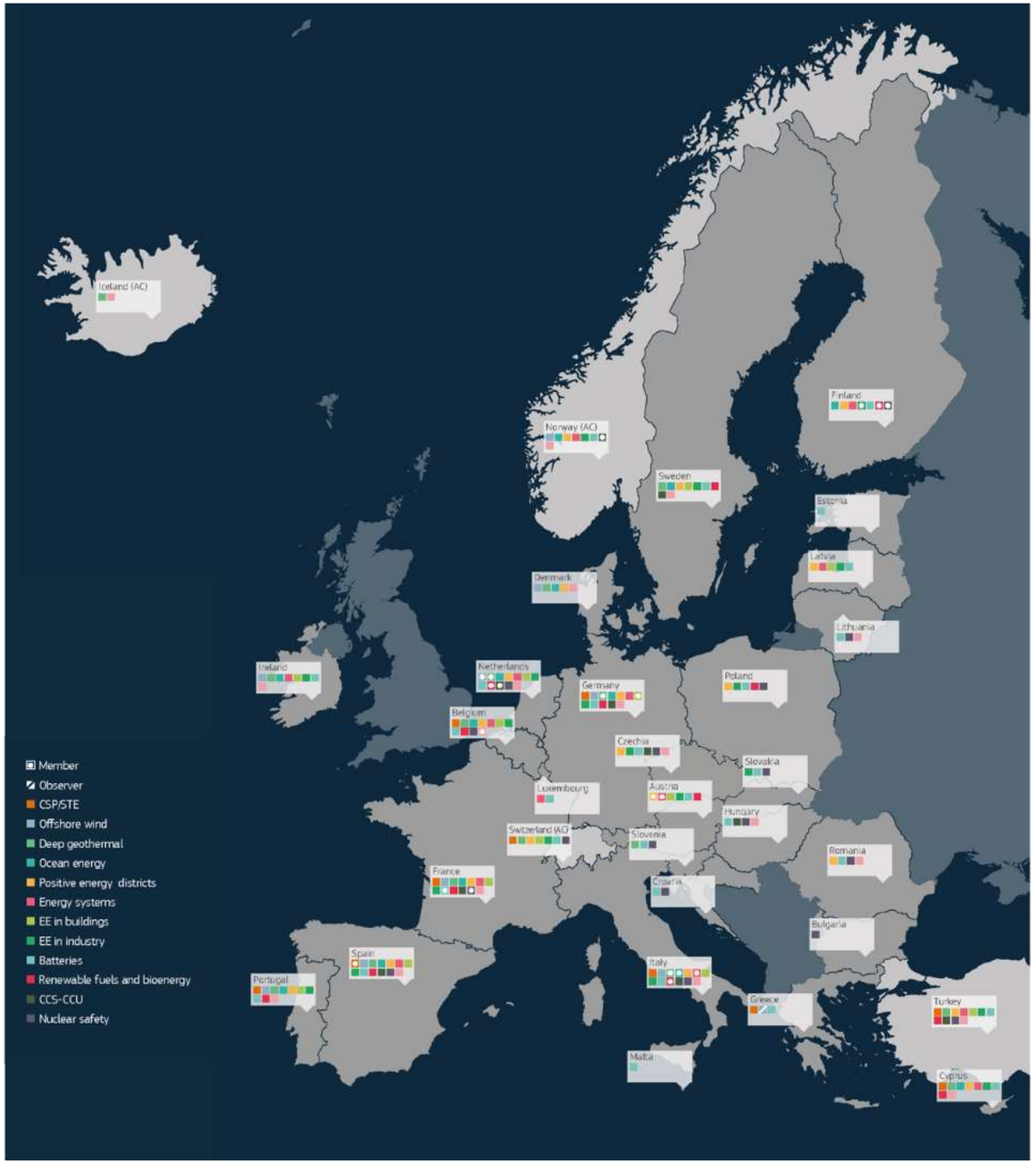
- Defining the shared methodology
- Monitoring evolution of spending
- Identifying trends

Mobilising public and private investment

- Facilitate private investments
- Scale/up of infrastructure
- Avoid duplication

The European Strategic Energy Technology Plan

	SET Plan key actions	13 implementation working groups
N°1 in renewables	#1 Performant renewable technologies integrated in the system #2 Reduce costs of technologies	Offshore wind Photovoltaics Deep geothermal Ocean energy Concentrated solar power / Solar thermal electricity
Energy systems	#3 New technologies & services for consumers #4 Resilience & security of energy system	Energy systems Positive energy districts
Energy efficiency	#5 New materials & technologies for buildings #6 Energy efficiency for industry	Energy efficiency in buildings Energy efficiency in industry
Sustainable transport	#7 Competitive in global battery sector and e-mobility #8 Renewable fuels and bioenergy	Batteries Renewable fuels and bioenergy
CCS - CCU	#9 Carbon capture storage / use	Carbon capture and storage Carbon capture and utilisation (CCS – CCU)
Nuclear safety	#10 Nuclear safety	Nuclear safety



The gap in relation to the SET Plan

EU13 participation to SET Plan Implementation Working Groups (IWGs)

Country	Batteries	CCU-CCS	CSP-STE	Deep Geothermal	Energy Efficiency in Buildings	Energy Efficiency in Industry	Energy system	Nuclear safety	Ocean energy	Offshore wind	Photovoltaics	Positive energy districts	Renewable fuels and bioenergy
Bulgaria								X					
Croatia	X							X					
Cyprus	X		X	X		X	X		X		X	X	X
Czechia	X	X				X		X			X	X	
Estonia	X												
Hungary	X	X						X			X		
Latvia	X				X	X	X					X	
Lithuania	X							X			X		
Malta	X												
Poland	X					X		X				X	X
Romania	X							X			X	X	
Slovakia	X					X		X					
Slovenia	X					X		X					

All EU13 countries participate in the SET IWGs, with Cyprus being the most active country.

EU13 involvement is mostly circumscribed to nuclear safety, batteries, energy efficiency in industry and positive energy districts.

Source: SETIS's website, Implementing the actions.

Cyprus in the SET Plan and CET

SET Plan

→CY participates in 9 Implementation Working Group: Batteries, CSP, EEI, Deep Geothermal, Energy System, Ocean, PV, PED, Renewable Fuels and Bioenergy

→CY's NECP refers to the SET Plan in combination with the Cyprus smart specialisation strategy as a guide for stakeholders identifying priority areas of R&I that will respond to both market needs and national targets for decarbonisation

→Nonetheless, NECP does not provide specific figures on how the SET Plan targets will be aligned with the national energy-and-climate targets for the period 2021-2030

→According to SETIS's Technology Development Report on Solar Thermal Electricity (2020), Cyprus is amongst the EU countries with the most significant effort on CSP R&D

Cyprus in the SET Plan and CET

CET in the Recovery Plan

→€ 1 billion in grants; € 200 mil in loans; 41 % for reforms and investments supports climate objectives

- Energy interconnector € 100 million
- Energy efficiency and renewables € 89 million
- Promoting sustainable and green mobility € 87 million
- Green taxation

… so far

- New Grant Schemes of € 49 million for energy upgrading of buildings with the main goal of achieving a reduction of primary energy consumption
- 50% increase in sponsorships for photovoltaics and thermal insulation of the roof in 2022; more than 20 million euros of budget
- Sponsorship Plan for installation or replacement of solar water heater in homes € 600.000 euros

Opportunities and recommendations

Opportunities arising from bridging the performance gap

Bridging the gap between EU13 and EU15 countries would allow to:

- Ensure that the **CET** and underlying policies and strategies will unfold in an **even way throughout the whole EU**, narrowing disparities across MSs;
- Achieve an untapped opportunity for **growth and development** of EU13 national economies and the EU as a whole;
- Greater likelihood of meeting **2030 and 2050 targets**.

Opportunities arising participating in the SET Plan

Deeper involvement in the SET Plan would lead EU13 to:

- **Get involved in the EU discourse** about research in energy technologies and influence underlying policies;
- **Understand current priorities**;
- Enhance **international ties**;
- Share **research infrastructures**;
- Higher **awareness** of and **involvement** in **transnational funding schemes**.

Recommendations

Some preliminary recommendations may include:

1. **Link** national **R&I priorities** to European ones;
2. Strengthen **participation** in EU **R&I networks**;
3. **Increase R&I funding**;
4. Foster stronger **academia-business cooperation**;
5. **Improve** administrative **procedures** and **reduce** administrative **barriers**;
6. **Enhance** the activities of **National Contact Points**.

Benefits of being EERA member

In return for its expertise, our members gain unrivalled opportunities to:

1	2	3	4
Build a pan-European expert network to share knowledge and develop leading-edge expertise in the field of clean energy.	Participate in the structuring of the research field by creating critical mass, avoiding duplication, and leveraging the best R&I capabilities.	Gain visibility at EU and international level and influence the EU policymaking process.	Collaborate with international initiatives on both bilateral and multilateral levels.

As part of the process of becoming a trusted advisor to the EU on the Clean Energy Transition, we are strengthening our 18 Joint Programmes to develop them into **European Centres of Excellence** with the purpose of achieving:

Higher level of cross-border collaboration.

Higher integration with existing/planned national strategies & funding.

Higher focus on EU strategic technologies and CET priorities.

Higher integration with industry / European Industrial Alliances.

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R&I best practices for Cyprus

Experience in international energy R&I collaborative projects and best practices

Nestor Fylaktos, SUPEERA Workshop, 01 June 2022

1

What have we learned?

General management of R&I projects

Management of Projects

Proper Budgeting

The right people

Management Tools

Efficient Meetings

Proper budgeting

- Esp. for projects involving infrastructures: Proper budgeting is key to avoid large co-financing obligations
- Watch-out for the coordination trap: A coordinator gets more money (naturally), but the admin burden and (usually) the workload in the proposal preparation stage make it a high-risk / low reward strategy

The right people

- Stay on top of projects by employing competent administrators and coordinators – **this is very important**, we need to play to people's strengths – scientists are usually pretty bad at it
- Equally, project managers are crucial (ideally the same person(s) as a coordinator/officer)

Management tools

- Keep a centralised, online project workspace that ideally involves the whole consortium
- Consolidate platforms (communication, file repository, project management etc.), even if this means that some partners may protest because of unfamiliarity
- Define a clear communication hierarchy and a detailed plan on document storage and structure
- Invest time to learn – it will pay off

Efficient meetings

- Online meetings are essential (and have improved a lot - pandemic!) for progress reporting and touch-base, but face-to-face meetings are essential at a minimum once a year for large projects
- Don't overdo it – downtime from the stress of videoconferencing is vital. Email still has a place (but send only a few a day) – within the confines of the communication hierarchy

Ex #1: The INSHIP project

Proper Budgeting | The right people | Efficient Meetings

inship

- Solar Heat for Industrial Processes
- Proper budgeting meant that all experiments done at PROTEAS were properly costed
- The coordination team established an efficient line of communication from project coordinator -> scientists through the right people
- Last half of project took place during lockdowns – efficient choice of online events meant that it was concluded smoothly, even hosting workshops online

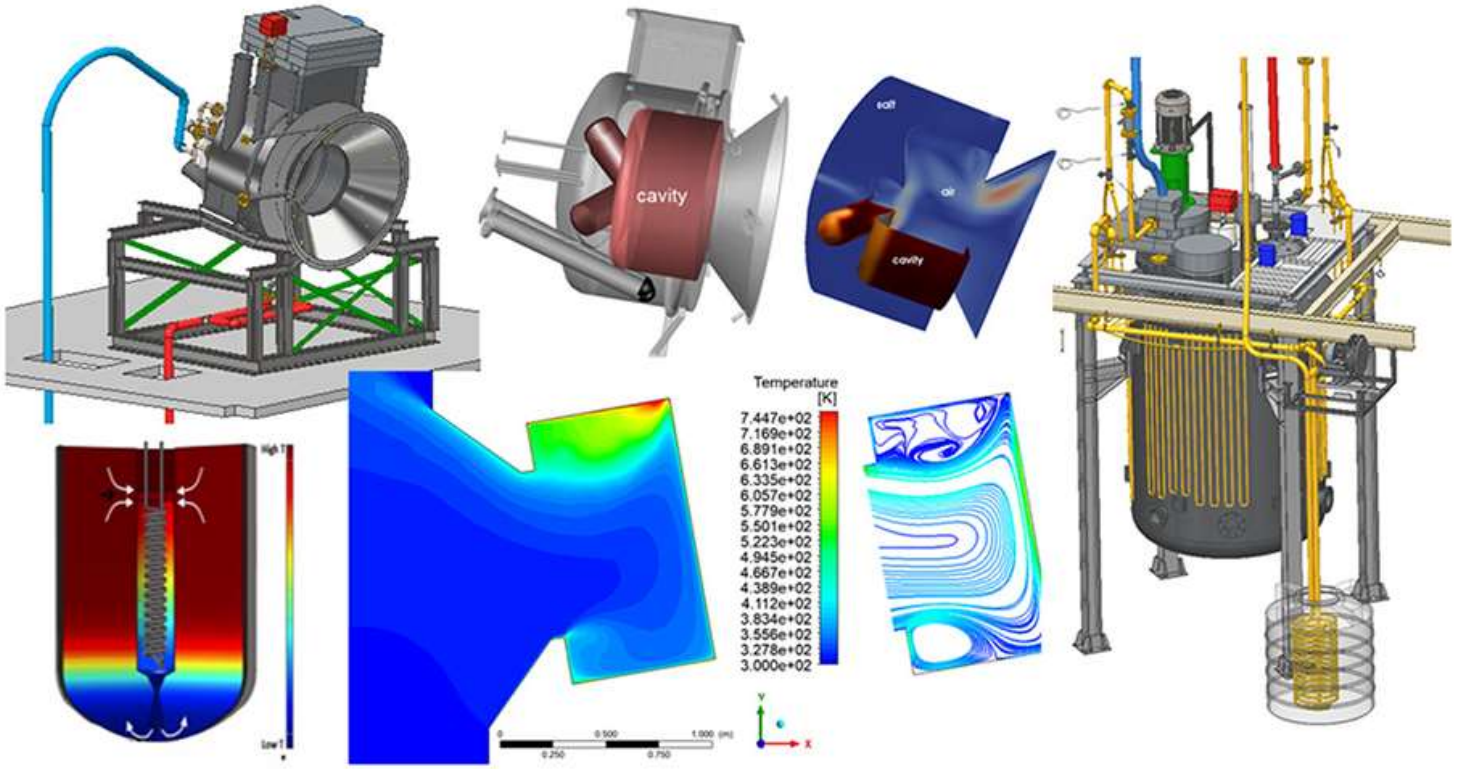
Ex #2: The CySTEM project

Proper Budgeting

Management Tools

CySTEM

Cyprus Solar Thermal Energy for the Mediterranean



- An ERA-Chair project (available to Widening countries) aiming at institution change and increased research capacity
- Proper management of funds led to the establishment of a permanent team in new research directions
- Infused a culture of adopting new IT tools that helped increase the efficiency of the work considerably

2

What have we learned?

Energy R&I projects

Energy

Join Alliances

Embrace Multi-disciplinarity

Work with Stakeholders

Support collaborations

Join alliances

- The Energy Transition is a global socio-technical disruption of production and consumption patterns, unlike anything we have seen in the last 70 years
- No country or institution can navigate it alone – we need all the help we can get
- Alliances are critical. Keeps us relevant, spurs us to strive for excellence, and puts things in perspective.

Join Alliances

Embrace multidisciplinarity

- Embrace multidisciplinarity: Energy is by definition a multidisciplinary scientific area that combines several engineering disciplines (electrical, mechanical, chemical, civil), economics (both micro and macro), mathematics & modelling, and social sciences & humanities.
- Working with it is challenging and rewarding, and can rarely be successful if done *in vitro*

Work with stakeholders

- Because of energy's interdisciplinarity, it touches a wide range of stakeholders (politics, cutting-edge science, industry, the general public) in almost equal measure
- Communicate and listen – it's a rare scientific area where the advances in a lab or in a study can actually make a tangible and immediate difference to the world around us

Support collaborations

- Support collaborations among local, regional and international research and scientific institutions to maximise excellence. Cyprus is a small place, we should rely on more than our geographical location and our status as a widening country for success.
- Our networks are important not only for securing the next externally funded project, but for our identity as scientists and researchers

Ex #3: The SFERA III project

Join Alliances

Support collaborations

- Collaborative, essentially was born within the EERA CSP JP
- Focuses on mobility of researchers and shared use of Research Infrastructures

Ex. #4: The GreenDeal project

Work with Stakeholders

Embrace Multi-disciplinarity

GreenDeal

- Provides continuous scientific support for the implementation of the European Green Deal in Cyprus
- Work that extends to the Ministry of Finance (MoF), Ministry of Energy, Commerce & Industry (MECI), Ministry of Agriculture (MoA) and the Ministry of Transport (MoT)
- Wide-ranging analysis topics including mathematical modelling of energy systems, technoeconomic and impact assessments (among others), to select the most appropriate measures for climate change mitigation

Thank You

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RESEARCH•TECHNOLOGY•INNOVATION

International research collaboration opportunities fostering EU Clean Energy transition in Cyprus

Regulatory point of view

Cyprus Energy Regulatory Authority
Dr. Venizelos Venizelou
Energy Engineer

1 June 2022

Content

Core areas of an NRA activities

Current Situation

Missing Gaps

R&I activities

Core Areas of an NRA activities

- Let's ASPIRE principles
- Consumer rights and protection
- Energy efficiency
- Consumer types
- Energy poverty and vulnerability

Consumer-centric design

- Technology neutrality
- Innovative and advanced solutions
- Sustainable finance
- Efficient grid management
- Integrated planning
- Investment certainty

Sustainable and efficient infrastructure

- Internal energy market
- Cross-border interconnections
- Resilience
- Reliable and secure supply
- New business models

Well-functioning markets

- Future energy mix
- Hydrogen networks
- New gases
- Resource adequacy
- Core market principles
- Whole system approach

Energy system integration

- Demand response
- Storage
- Innovation
- Digitalisation
- Aggregation
- RES integration

Flexibility

- Energy communities
- Self-consumption
- Demand-side response
- Peer-to-peer trading
- Distributed energy resources
- New business models

Decentralised and local energy

Current Situation

- CERA has completed the regulatory regime for storage units, demand response and flexibility. The relevant amendments on Market Rules as well as on TDR have been completed and will be in force in Sept. 2024.

- CERA has decided to proceed with a full roll out plan for smart meters.

- CERA has proceeded with consultancy services for the establishment of guidelines on the development of hydrogen value chain in Republic of Cyprus.

Missing Gaps

Regulatory Regime to be finalized for:

- Energy Communities
- E-mobility for the distribution network
- Incentives for flexibility in distribution network
- Consumer empowerment
- Demand response through aggregation
- Dynamic price contracts
- Data management

R&I Activities (1)

SMART PV

FLEXITRASTORE

EMPOWER

ELECTRA

LIGHTSENSE

BUSFUEL

..

R&I activities (2)

On 25 May, CEER published its paper on Regulatory Sandboxes in Incentive Regulation. This paper seeks to provide clarity and a framework for the different tools that energy national regulatory authorities NRAs can use to facilitate innovation in the context of incentive regulation for grid operators.

The paper provides the following recommendations:

- NRAs should engage at least in removing barriers to innovation, as a first preliminary step;
- NRAs could use the toolkit (pilot project, regulatory sandbox, regulatory experiments and pilot regulations), selecting the best-suited tool, or combination of tools, according to specific cases;
- When approaching the toolkit, NRAs should take into account the different regulatory treatment between regulated grid activities and competitive market activities, including funding;
- When supporting innovation, NRAs must avoid the foreclosure of competition in wholesale, retail, and adjacent markets; and
- Improving the learning process among all involved parties, regulators included, and dissemination of knowledge are ultimately the goals of each regulatory tool for supporting innovation.

R&I activities (3)

Possible R&I activities:

- Guidance on the implementation of Regulatory Sandboxes, regulatory experiments and pilot regulations
- Development ideas for Energy Communities
- Data management
- Further study for e-mobility, demand response and flexibility

Thank you for your attention

vvenizelou@cera.org.cy

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International research collaboration opportunities fostering EU Clean Energy transition in Cyprus

Regulatory point of view

Cyprus Energy Regulatory Authority
Dr. Venizelos Venizelou
Energy Engineer

1 June 2022

Content

Core areas of an NRA activities

Current Situation

Missing Gaps

R&I activities

Core Areas of an NRA activities

- Let's ASPIRE principles
- Consumer rights and protection
- Energy efficiency
- Consumer types
- Energy poverty and vulnerability

Consumer-centric design

- Technology neutrality
- Innovative and advanced solutions
- Sustainable finance
- Efficient grid management
- Integrated planning
- Investment certainty

Sustainable and efficient infrastructure

- Internal energy market
- Cross-border interconnections
- Resilience
- Reliable and secure supply
- New business models

Well-functioning markets

- Future energy mix
- Hydrogen networks
- New gases
- Resource adequacy
- Core market principles
- Whole system approach

Energy system integration

- Demand response
- Storage
- Innovation
- Digitalisation
- Aggregation
- RES integration

Flexibility

- Energy communities
- Self-consumption
- Demand-side response
- Peer-to-peer trading
- Distributed energy resources
- New business models

Decentralised and local energy

Current Situation

- CERA has completed the regulatory regime for storage units, demand response and flexibility. The relevant amendments on Market Rules as well as on TDR have been completed and will be in force in Sept. 2024.

- CERA has decided to proceed with a full roll out plan for smart meters.

- CERA has proceeded with consultancy services for the establishment of guidelines on the development of hydrogen value chain in Republic of Cyprus.

Missing Gaps

Regulatory Regime to be finalized for:

- Energy Communities
- E-mobility for the distribution network
- Incentives for flexibility in distribution network
- Consumer empowerment
- Demand response through aggregation
- Dynamic price contracts
- Data management

R&I Activities (1)

SMART PV

FLEXITRASTORE

EMPOWER

ELECTRA

LIGHTSENSE

BUSFUEL

..

R&I activities (2)

On 25 May, CEER published its paper on Regulatory Sandboxes in Incentive Regulation. This paper seeks to provide clarity and a framework for the different tools that energy national regulatory authorities NRAs can use to facilitate innovation in the context of incentive regulation for grid operators.

The paper provides the following recommendations:

- NRAs should engage at least in removing barriers to innovation, as a first preliminary step;
- NRAs could use the toolkit (pilot project, regulatory sandbox, regulatory experiments and pilot regulations), selecting the best-suited tool, or combination of tools, according to specific cases;
- When approaching the toolkit, NRAs should take into account the different regulatory treatment between regulated grid activities and competitive market activities, including funding;
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Thank you for your attention

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DRIVING GROWTH

European and National Funding Opportunities

Anna Maria Christoforou
Scientific Officer A
Research and Innovation Foundation

RESEARCH
& INNOVATION
FOUNDATION

Research and Innovation Foundation

ESTABLISHED IN 1996

…as the national authority in charge of supporting and promoting research, technological development and innovation (RTDI) in Cyprus.

FUNDING

To provide National Funding for RTDI through Competive Programmes and Calls for Proposals

SUPPORT

To support CY participation in the EU's Framework Programmes and Organisations promoting R&I

SERVICES

To enhance the R&I ecosystem through a range of valuable innovation services

National Funding Programme
Restart Work Programme

3 Pillars
- SMART GROWTH
- SUSTAINABLE RTDI SYSTEM
- TRANSFORMATION OF RTDI SYSTEM

25 Programmes

130 ml Euro Funding

4.194 Proposals

749 Funded Projects

Κυπριακή Δημοκρατία
Ευρωπαϊκή Ένωση
Ευρωπαϊκό Ταμείο Περιφερειακής Ανάπτυξης
Διαρθρωτικά Ταμεία της Ευρωπαϊκής Ένωσης στην Κύπρο
Με τη χρηματοδότηση της Ευρωπαϊκής Ένωσης
NextGenerationEU

Τα Προγράμματα RESTART 2016-2020 για Έρευνα, Τεχνολογική Ανάπτυξη και Καινοτομία συγχρηματοδοτούνται από την Κυπριακή Δημοκρατία, το Ευρωπαϊκό Ταμείο Περιφερειακής Ανάπτυξης και την Ευρωπαϊκή Ένωση – NextGenerationEU.

«CO-DEVELOP – Green Transition» Programme

The "CO-DEVELOP" Programme aims to enhance the effective collaboration between enterprises and the research community, with the aim of jointly identifying challenges and jointly designing and implementing research and development projects to develop new cost-effective solutions to address these challenges. In the context of effective collaboration, the sharing of resources and infrastructure and the mobility of staff are expected, among other things, in order to enable the technology transfer and the exchange of knowledge.

The ultimate objective is bridging the gap between academia and industry and the utilization of the existing know-how to meet specific needs and challenges, thus contributing to the strengthening of the competitiveness of the economy and the improvement of the quality of life in Cyprus.

DRIVING GROWTH

Available Funding

- Funded through the Recovery and Resilience Facility «Cyprus Tomorrow»
- Available Funding: €6,00,000

”Green Transition” Thematic Priority and specifically in the following sectors: Renewable Energy, Energy Efficiency and Sustainable Transport.

- Maximum funding per project: €600,000

Funding will be granted for at least one (1) Project aligned with the principles of **Circular Economy** (e.g. design of sustainable products, circularity in production methods, value chains of basic products, less waste, etc).

The supported projects are expected to be implemented by consortia consisting of at least **one enterprise and one research organization**.

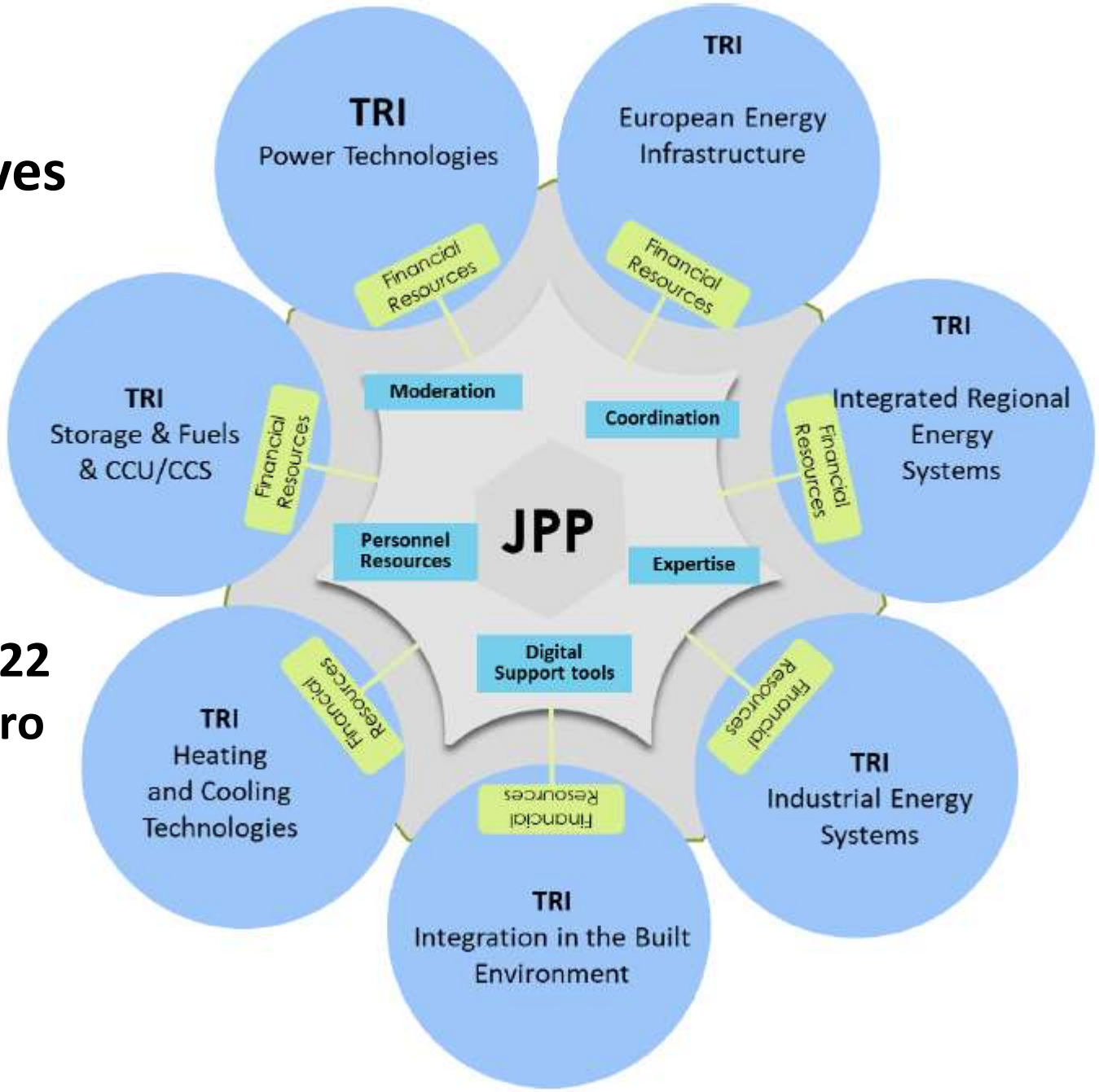
Clean Energy Transition Partnership

Vision

Clean Energy Transition Partnership is a transformative research, development and innovation programme across Europe boosting and accelerating a just energy transition in all its dimensions for Europe to become the **first climate-neutral continent**.

It enables the energy transition rooted in security of supply from regional to national and global level, co-transformed by industry, public organisations, research and citizens organisations to make Europe frontrunner in energy innovation and implementation.

Transition Initiatives



Call for Proposals – September 2022
Cyprus commitment 3,000,000 Euro

A Climate Neutral, Sustainable and Productive Blue Economy

Vision:

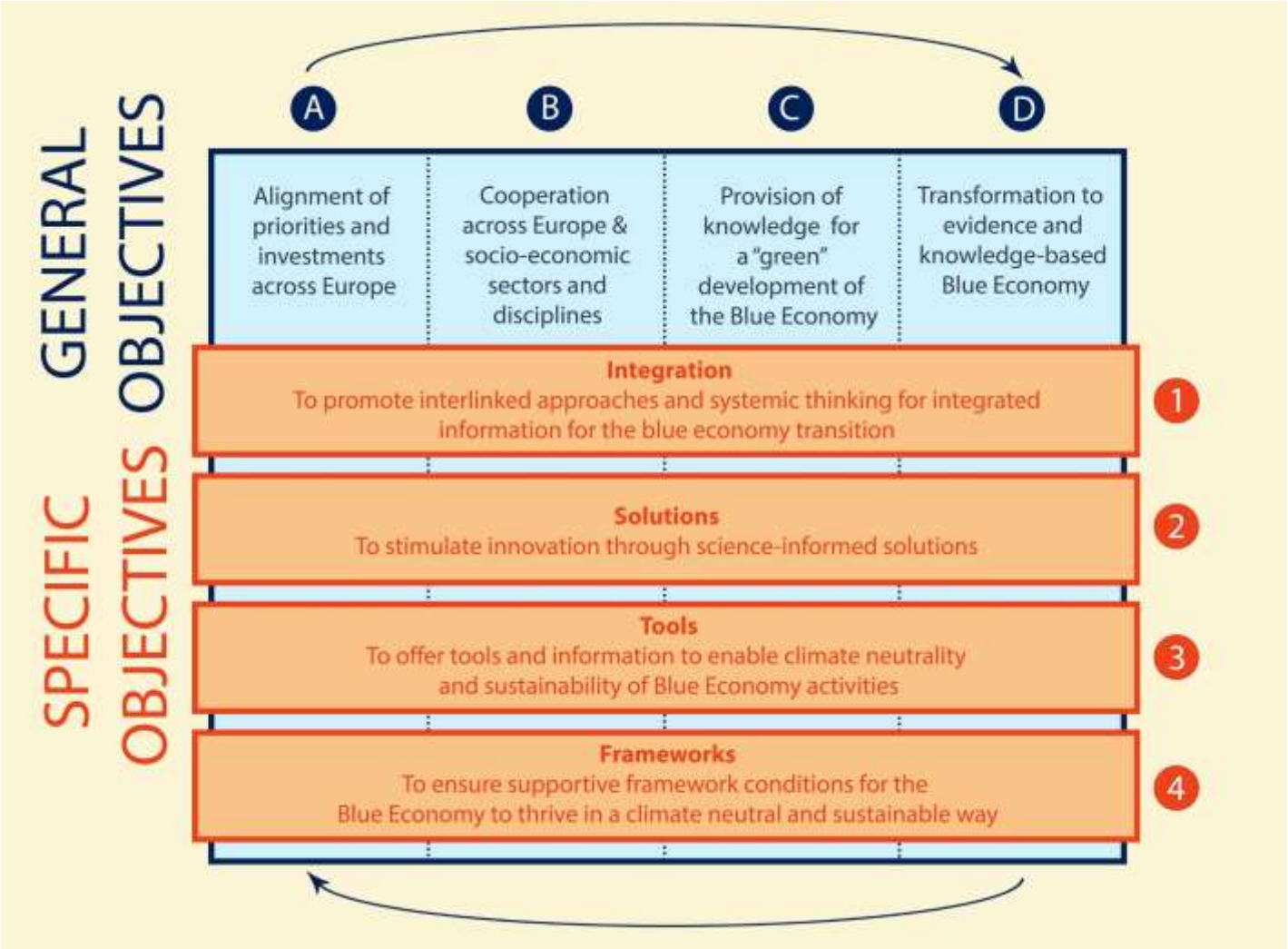
... to enable a **just** and **inclusive transition** from the current, widely non-sustainable ocean economy to a **regenerative and circular blue economy** that contributes to **restoring** the **ocean's health**, **resilience** and the **services it provides to people**, by being climate-neutral, sustainable and productive.

In a nutshell:

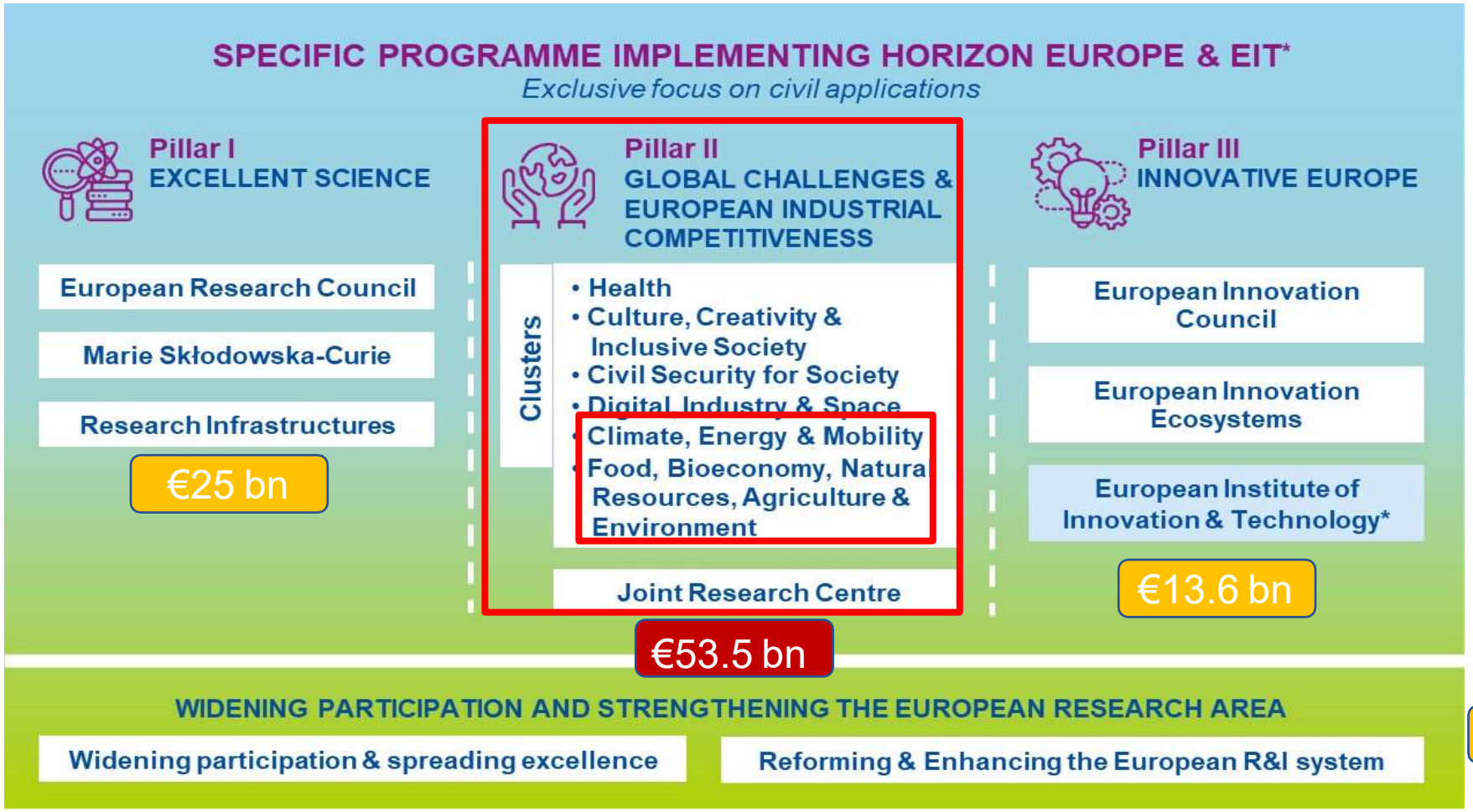
The **blue** arm of the **Green** Deal

A Climate Neutral, Sustainable and Productive Blue Economy

Call for Proposals – January 2023
Cyprus commitment 2,000,000 Euro



Horizon Europe Structure



€3.4 bn

Pillar II: Global Challenges & European Industrial Competitiveness

Cluster 1	Health	€8.246 billion (including €1.35 billion from NGEU)
Cluster 2	Culture, Creativity & Inclusive Society	€2.280 billion
Cluster 3	Civil Security for Society	€1.596 billion
Cluster 4	Digital, Industry & Space	€15.349 billion (including €1.35 billion from NGEU)
Cluster 5	Climate, Energy & Mobility	€15.123 billion
Cluster 6	Food, Bioeconomy, Natural Resources, Agriculture & Environment	€8.952 billion
	JRC (non-nuclear direct actions)	€1.970 billion

Clusters are including a budget for Partnerships and Missions

Cluster 5: **Climate, Energy and Mobility**

Cluster Aim

- Accelerate the green and digital transitions and associated transformation of EU economy, industry and society

Main Objective → Climate neutrality in Europe by 2050

Cluster 5: **Climate, Energy and Mobility**

Climate	Cross-cutting	Energy		Transport	
Destination 1	**Destination 2**	**Destination 3**	**Destination 4**	**Destination 5**	**Destination 6**
Climate sciences and responses for the transformation towards climate neutrality	Cross-sectoral solutions for the climate transition	Sustainable, secure and competitive energy supply	Efficient, sustainable and inclusive energy use	Clean and competitive solutions for all transport modes	Safe, Resilient Transport and Smart Mobility services for passengers & goods
• Basic climate science • Modelling of the climate-earth system	• Batteries • Citizens engagement • Breakthrough innovation	• Renewable energy • Energy systems and grids • Carbon capture & utilisation	• Energy efficiency in buildings • Energy efficiency in industry	• Clean transport (road, rail, airborne, waterborne)	• Resilient transport infrastructure (CCAM, Multimodal transport, infrastructure, logistics, safety)

Cluster 5: **Climate, Energy and Mobility**

2021-2027 Budget: €15 billion **2021-2022 Budget: €3.02 billion**

Climate	Cross-cutting	Energy		Transport	
Destination 1	**Destination 2**	**Destination 3**	**Destination 4**	**Destination 5**	**Destination 6**
Climate sciences and responses	Cross-sectoral solutions for the climate transition	Sustainable, secure and competitive energy supply	Efficient, sustainable and inclusive energy use	Clean and competitive solutions for all transport modes	Safe, Resilient Transport and Smart Mobility services for passengers and goods
€274 M	**€387.5 M**	**€1,226.3 M**	**€244 M**	**€511 M**	**€380 M**

Total Topics: 188 **Total Number of Calls: 20**

Cluster 5: **Climate, Energy and Mobility**

Calls for Proposals 2022

Call #	Destination No.	Call	No of Topics	Call Budget	Opening	Deadline
1	1	HORIZON-CL5-2022-D1-01-two-stage	3	51,000,000	12/10/2021	27/09/2022
2	1	HORIZON-CL5-2022-D1-02	5	87,000,000	12/10/2021	10/02/2022
3	2	HORIZON-CL5-2022-D2-01	11	138,000,000	28/04/2022	06/09/2022
4	3	HORIZON-CL5-2022-D3-01	15	381,000,000	14/10/2021	26/04/2022
5	3	HORIZON-CL5-2022-D3-02	8	99,000,000	26/05/2022	27/10/2022
6	3	HORIZON-CL5-2022-D3-03	9	127,500,000	06/09/2022	10/01/2023
7	4	HORIZON-CL5-2022-D4-01	5	54,000,000	28/04/2022	06/09/2022
8	4	HORIZON-CL5-2022-D4-02	5	86,000,000	06/09/2022	24/01/2023
9	5	HORIZON-CL5-2022-D5-01	14	253,000,000	02/12/2021	26/04/2022
10	6	HORIZON-CL5-2022-D6-01	8	122,000,000	14/10/2021	12/01/2022
11	6	HORIZON-CL5-2022-D6-02	7	91,000,000	28/04/2022	06/09/2022
		Total:	**90**	**1,489,500,000**		

Cluster 6 - Food, Bioeconomy, Natural Resources, Agriculture and Environment

Cluster Aim

- Enhance and balance environmental, social and economic goals and to set human economic activities on a path towards sustainability.
- Transformative change of the EU economy and society aimed at reducing environmental degradation, halting and reversing the decline of biodiversity and to better manage natural resources while serving the EU's climate objectives and ensuring food and water security.

Main Points/Areas

- Accelerating the ecological transition required by the European Green Deal in order to achieve climate neutrality by 2050.
- Support the objectives the EU Biodiversity Strategy for 2030 and the Farm to Fork Strategy.

Budget 2021-2022: €1.86 billion

Total Topics: 181 (+12 OA)

Biodiversity	Food	Bioeconomy	Environment and Climate			
Destination 1	**Destination 2**	**Destination 3**	**Destination 4**	**Destination 5**	**Destination 6**	**Destination 7**
Biodiversity and Ecosystem Services	Fair, healthy and environmentally friendly food systems from primary production to consumption	Circular economy and bioeconomy sectors	Clean Environment and Zero Pollution	Land, ocean and water for climate action	Resilient, inclusive, healthy and green rural, coastal & urban communities	Innovative governance, environmental observations and digital solutions in support of the Green Deal
€375.5 M	**€416.5 M**	**€268,5 M**	**€116 M**	**€193 M**	**€128 M**	**€370 M**

Horizon Europe - Widening participation and strengthening the European Research Area

- **DESTINATION 1: IMPROVED ACCESS TO EXCELLENCE**
  - Aims at underpinning geographical diversity, building the necessary capacity to allow successful participation in the R&I process and promoting networking and access to excellence
- **DESTINATION 2: ATTRACTING AND MOBILISING THE BEST TALENTS**
  - Aims at reverting the brain drain from widening countries, emphasis on intersectoral mobility, better exploitation of existing research infrastructures
- **DESTINATION 3: REFORMING AND ENHANCING THE EU RESEARCH AND INNOVATION SYSTEM**
  - Four objectives: Prioritise investments and reforms, improve access to excellence, translate R&I results into the economy and deepen the ERA

Thank you!

Contact us:
Research and Innovation Foundation
22205000
www.research.org.cy
support@research.org.cy

Find us:

Iceland Liechtenstein Norway grants

Norway grants

The EEA and Norway Grants 2014-2021

Working together for a green, competitive and inclusive Europe

Berta Matas Güell, Senior Researcher, SINTEF

1 June 2022, Nicosia

EEA Agreement – Art 115-117

… the Contracting Parties… agree on the **need to reduce the economic and social disparities** between their regions…

Protocol 38c

The EEA/EFTA States "shall contribute to the reduction of economic and social disparities in the European Economic Area and to the strengthening of their relations with the Beneficiary States"

We work through funding periods

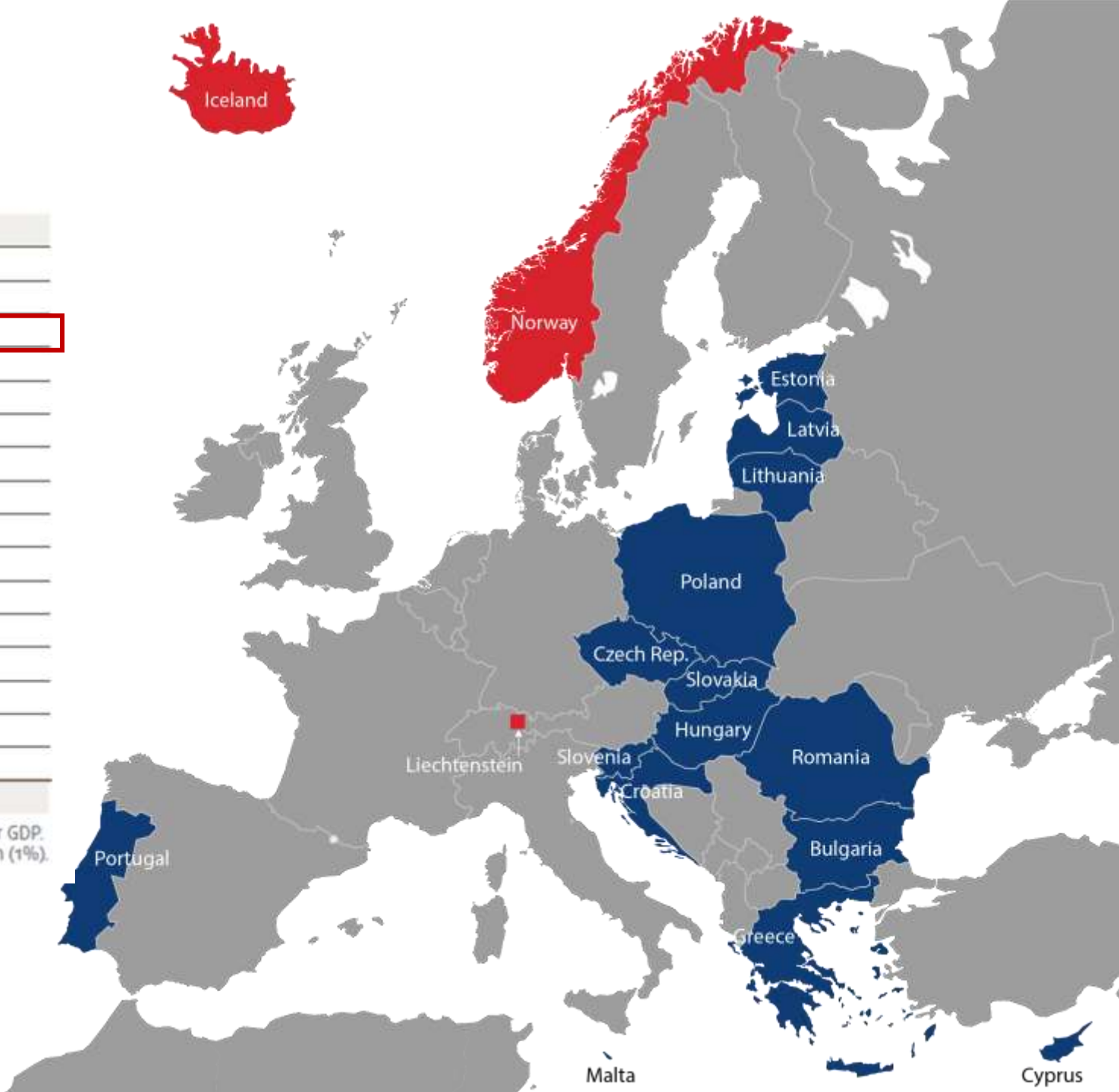
2004-2009 = €1.3 billion
2009-2014 = €1.8 billion
2014-2021 = €2.8 billion

2022-2024 → last funded projects to be implemented

Beneficiary countries (€ million) 2014-2021

Country	EEA Grants	Norway Grants	Total
Bulgaria	€115.0	€95.1	€210.1
Croatia	€56.8	€46.6	€103.4
Cyprus	€6.4	€5.1	€11.5
Czech Republic	€95.5	€89.0	€184.5
Estonia	€32.3	€35.7	€68.0
Greece	€116.7	-	€116.7
Hungary	€108.9	€105.7	€214.6
Latvia	€50.2	€51.9	€102.1
Lithuania	€56.2	€61.4	€117.6
Malta	€4.4	€3.6	€8.0
Poland	€397.8	€411.5	€809.3
Portugal	€102.7	-	€102.7
Romania	€275.2	€227.3	€502.5
Slovakia	€54.9	€58.2	€113.1
Slovenia	€19.9	€17.8	€37.7
Regional Funds	€55.2	€44.8	€100.0
Total	**€1 548.1***	**€1 253.7**	**€2 801.8**

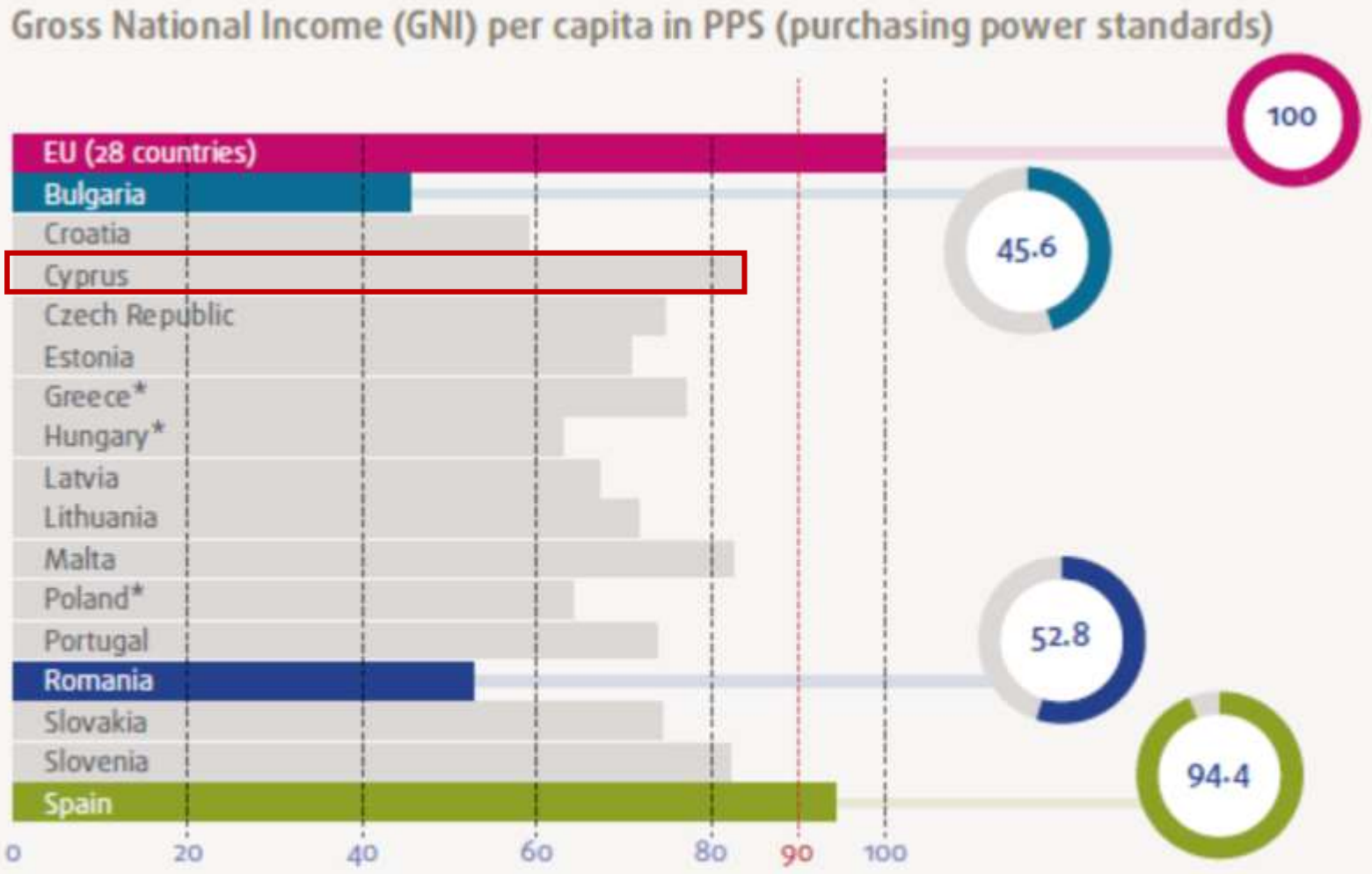
*The EEA Grants are jointly financed by all three donors, where contributions are based on their GDP. The estimated share of contributions equates to: Norway (96%), Iceland (3%) and Liechtenstein (1%).



Eligibility criteria

Mirror EU
Cohesion Funds

GNI less than 90%
of EU average



Eligibility for the Grants mirrors criteria set for the EU Cohesion Fund which is aimed at EU member countries where the GNI per capita is less than 90% of the EU average. Spain is only eligible for transitional funding in this current period.

Source: Eurostat (2013 except where * indicates 2012)

Programme design process

Negotiations on political priorities between donor and beneficiary states

- Legally binding
- Sets results frameworks and provisions for modalities, selection, reporting, payments etc.

- Stakeholder consultations
- Alignment with EU and national policies and regulations
- Results-based
- ‘Participatory’
- Use available analysis

Implementation of projects identified through competition (main rule) or pre-definition (exception)

The EEA and Norway Grants' programme targets contributing to the Green Deal

- Priority Sector 'Environment, energy, climate change and low carbon economy' consists of:

Programme Area 11

Ecosystems, air quality, circular economy, water management

Programme Area 12

Energy efficiency in buildings and industry and renewable energy in connection with energy measures

Programme Area 13

Climate change mitigation and adaptation activities, awareness raising

Ongoing Environment, Energy and Climate programmes are expected to lead to:

Emissions reductions: More than 1 million ton of CO2 eq. per year
Energy savings: 897 000 MWh/year
Renewable energy production: 118 000 MWh/year
Restoration of ecosystems: 600 000 m2 of wetland etc.
Promotion of a circular economy: 17 pilot projects etc.
Environmental awareness-raising
New infrastructure for alternative fuels

Overview PA 12: Renewable Energy, Energy Efficiency, Energy Security

Grants allocation, supported areas and objective

Allocation (EEA Grants): **184 503 300 EUR**

Allocation (Norway Grants): **33 778 986 EUR**

Total: **218 282 385 EUR**

Areas of support:

- Energy efficiency in production
- Renewable energy production and/or distribution
- Recovery of energy from waste and hazardous waste
- Energy security
- Renewable energy policies in all relevant sectors
- Energy markets

Objective:

Less carbon intensive energy and increased security of supply

Countries currently receiving funding under PA 12 – updated Dec 2021

Country	Total Sum of Allocation	Total Sum of Disbursed	Total Sum of Incurred	Total Sum of Eligible expenditure
PA12	**218,282,385.00**	**34,711,590.09**	**5,615,242.23**	**247,284,403.92**
Bulgaria	28,000,000.00	6,591,028.96	1,653,821.33	32,941,176.47
Croatia	17,000,000.00	3,504,678.61	25,523.31	20,000,000.00
Greece	10,000,000.00	3,966,714.00	343,952.00	13,333,333.33
Lithuania	845,486.00	535,261.65	301,205.59	994,689.41
Poland	95,360,399.00	6,053,079.87	0.00	112,188,704.71
Romania	62,826,500.00	12,977,077.00	3,290,740.00	62,826,500.00
Slovenia	4,250,000.00	1,083,750.00	0.00	5,000,000.00

EEA/Norway Grants 2014-2021 in Cyprus

- New cooperation agreements with Cyprus on a number of new programs on March 2019
- Areas of support
  - Strengthening civil society.
  - Facilitating bi-communal cooperation.
  - Improving social services for vulnerable groups (e.g. children in need, people with disabilities).
  - Improving health diagnostics and capacity.
  - **Reducing vulnerability to climate change and improving environmental status**.

- Programmes
  - Active Citizens Fund
  - **Local development and Poverty Reduction**
  - Social Dialogue – Decent Work
  - Bilateral Fund

Improving the **waste management system, mitigating climate change effects**, enhancing social inclusion, developing new practices for disease prevention, improving public health and reducing health inequalities.

https://eeagrants.org/countries/cyprus
http://www.eeagrants.gov.cy/dgepcd/eeagrantscy.nsf/home_en/home_en?openform

Iceland Liechtenstein Norway grants

Norway grants

Thank you for your attention

1 June 2022, Nicosia

PANTERA project: A Pan-European Technology Energy Research Approach

EIRIE platform: R&I is fundamental in achieving the energy transition in time!

Venizelos Efthymiou – FOSS

Kyriaki Psara - FOSS

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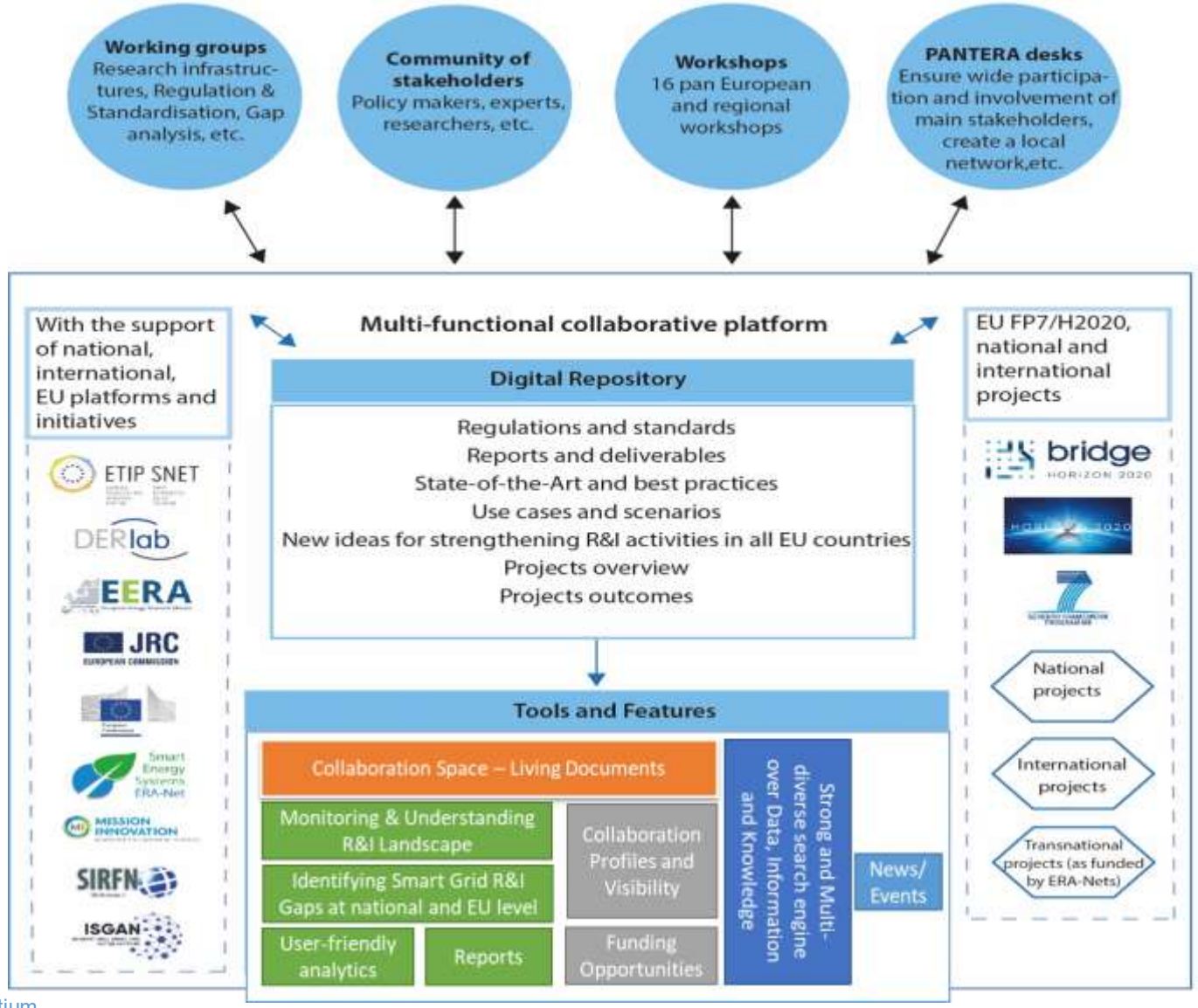
EU H2020 Programme GA No. 824389

EIRIE 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

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What is EIRIE?

EIRIE 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.

EIRIE will act as THE meeting point of all actors active in the fields of smart grids, storage and local energy systems in Research & Innovation from all Europe and will contribute to the achievement of the envisioned carbon-free system of 2050.

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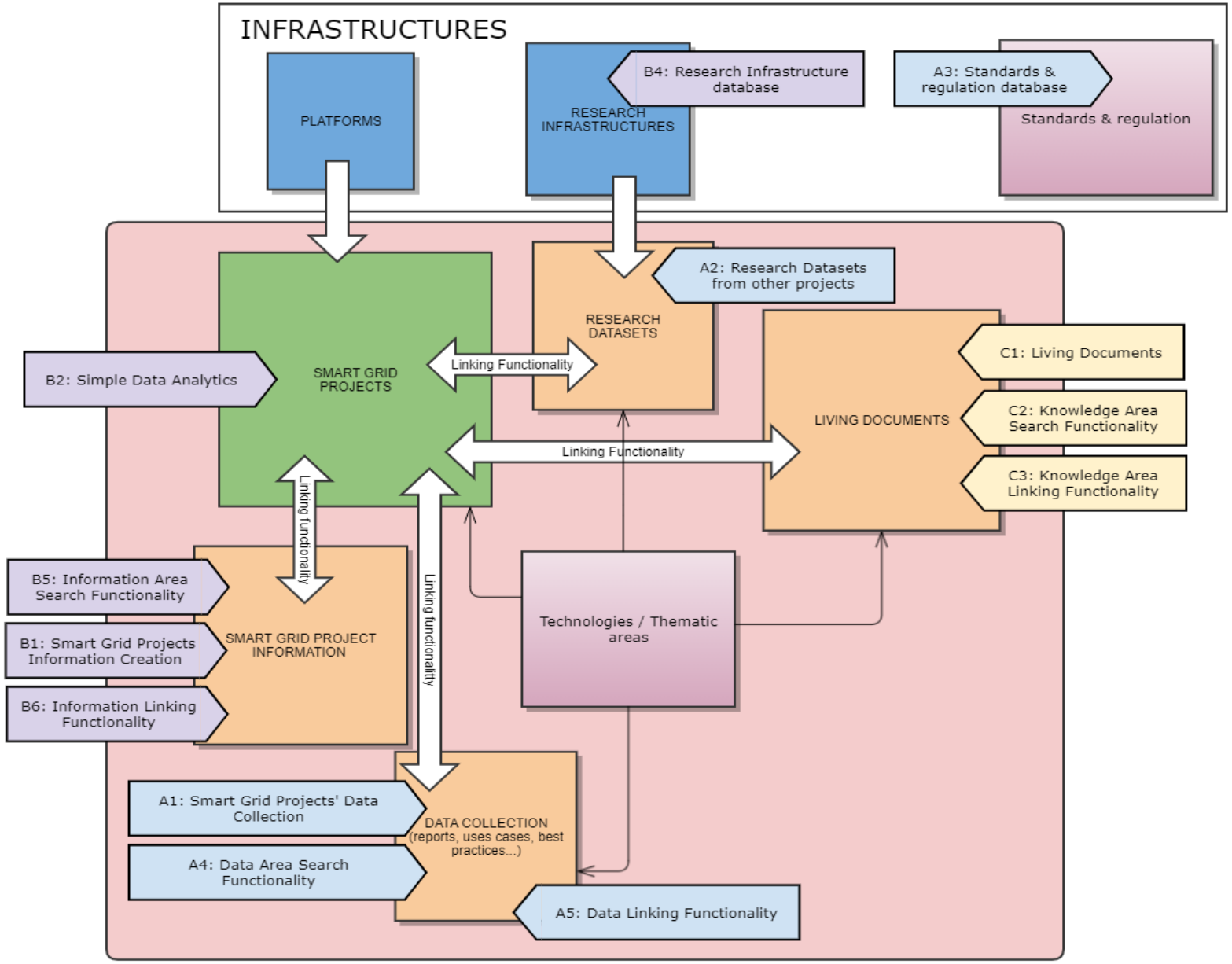

EIRIE Platform Vision

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Main structure and functionalities

- **EIRIE Main Structure**
- Platform created in Drupal 9.
- CMS to manage users/Content.
- API to Data injection from external platforms.
- Login through EU-Login.

EIRIE Main Functionalities

- Search tool for Projects, Organizations, Data Collections, Regulations.
- News , Events and Newsletter.
- Data Analytics.
- Use Case repository.

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Benefits of using the platform

- An easy access to information on potential funding and consortium building,
- A central point for collaborating on the issues relevant for the energy sector
- An active role in the community and a support in providing input to European policies,

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Key functionalities

Data Area, with search and linking functions:

- Projects data collection (results and outcomes, best practices, reports and deliverables, etc.)
- Standards and regulations

Information area, with search and linking functions:

- Project-related information through integration with JRC, CORDIS, Mission Innovation, ETIP SNET, BRIDGE, EXPERA, etc.

Knowledge area, with search and linking functions:

- Living documents

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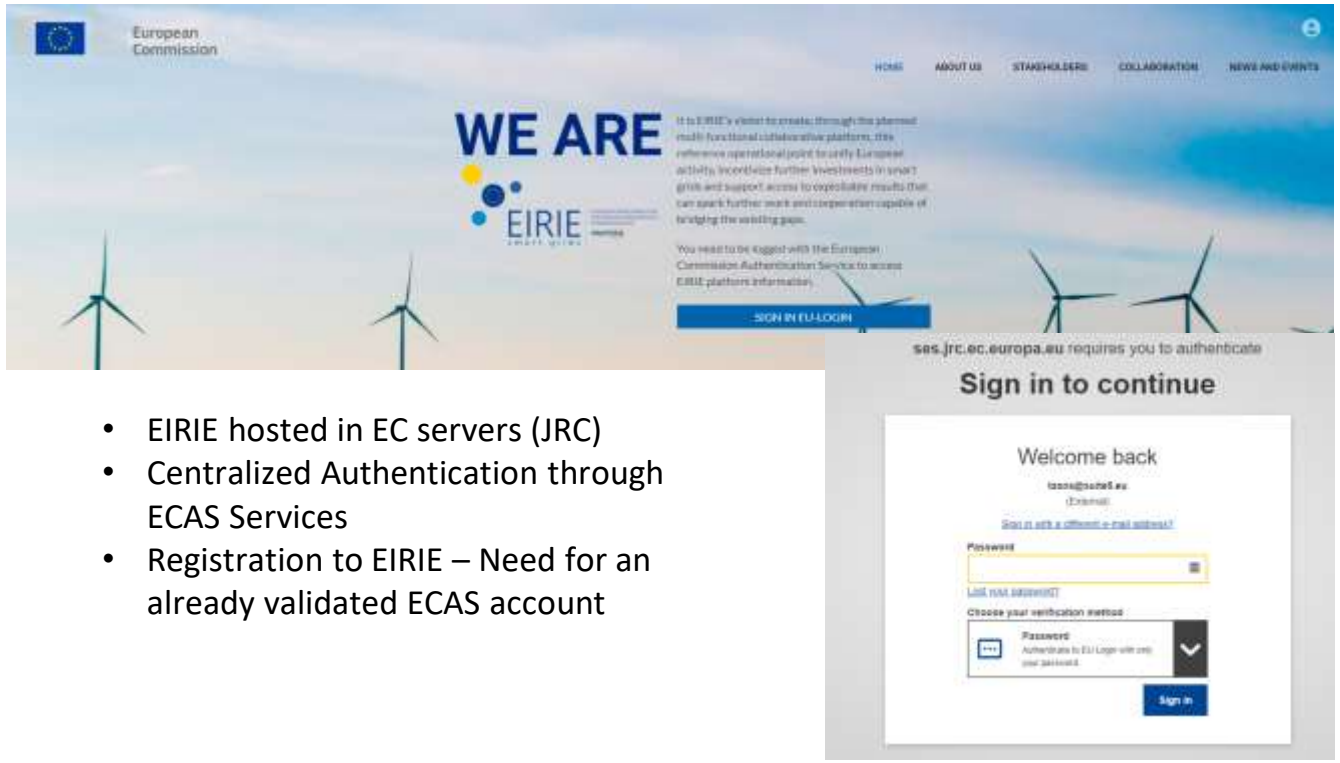
Access to the platform



- EIRIE hosted in EC servers (JRC)
- Centralized Authentication through ECAS Services
- Registration to EIRIE – Need for an already validated ECAS account

- Non-registered users/ visitors have access only to high-level information about EIRIE and the PANTERA project
- Registration – A pre-requisite to access the wealth of services in EIRIE
- Moderated registration pending verification and acceptance by the EIRIE administrator

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User Roles

Assigned following registration and verification by the EIRIE Administrator:

- **Simple users**
  - access only to the information area and the EIRIE platform functionalities as viewers
- **Collaborators**
  - Access to all services
  - Contribute with new information (projects, education material, regulation, etc)
  - Access in the collaboration area for knowledge creation
- **Regional Actors**
  - Access to all services
  - Contribute with new information (projects, education material, regulation, etc)
  - Access in the collaboration area for knowledge creation
  - Posting profiles in the matchmaking area

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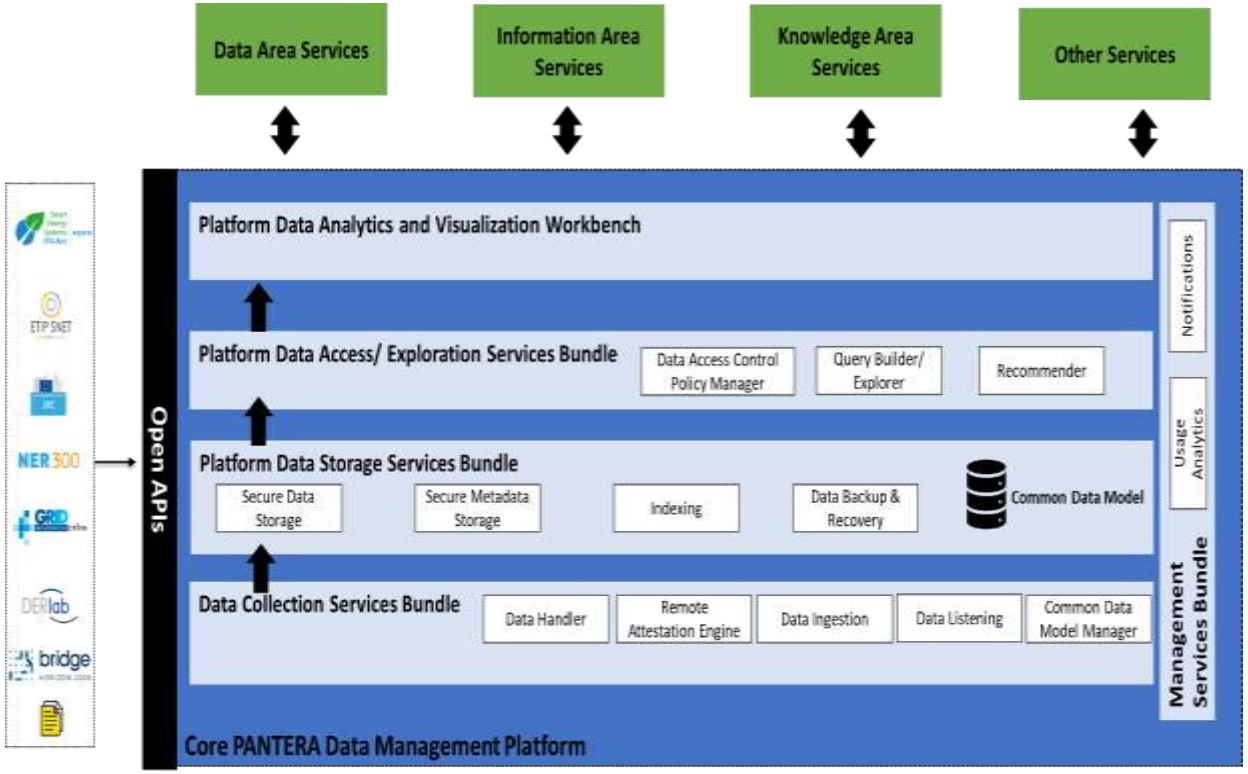
EIRIE in a snapshot



EIRIE Value Propositions

* **Researchers**
  * Access to a pan-European data base with analytical and exploitable information on smart grid projects
  * Information about best practices in R&D sector
  * First-hand insights into interesting smart grid projects, results, ideas, initiatives
  * Exchange of know-how with other R&I actors
  * Access to SotA Training Material and Education Programmes
* **R&I Organizations**
  * Cross-promotion opportunities, encouraging synergies with projects and initiatives through information sharing and promotion opportunities through highlighting key achievements as best practices
  * Making feasible for the low spending, in R&I, countries to be engaged in a more active manner in EU R&I activities
* **Policy Makers**
  * Define inefficiencies of R&I activities at national, regional and EU level and prioritization of policy actions towards advancing R&I in low-performing thematics
  * Pooling together different available instruments into one platform, in such a way that it will effectively contribute to the increase of knowledge, coordination of R&I activities and networking

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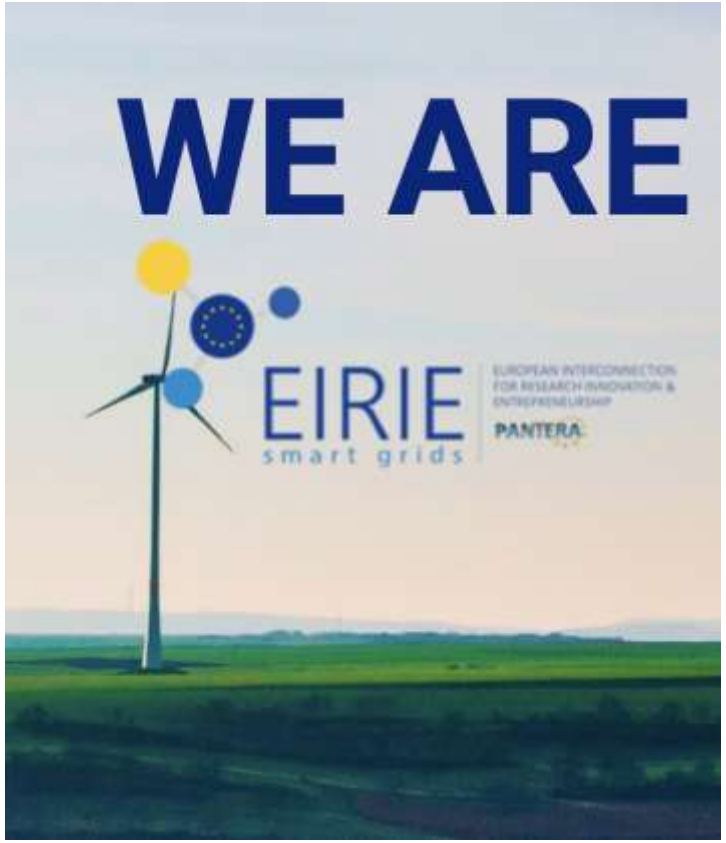
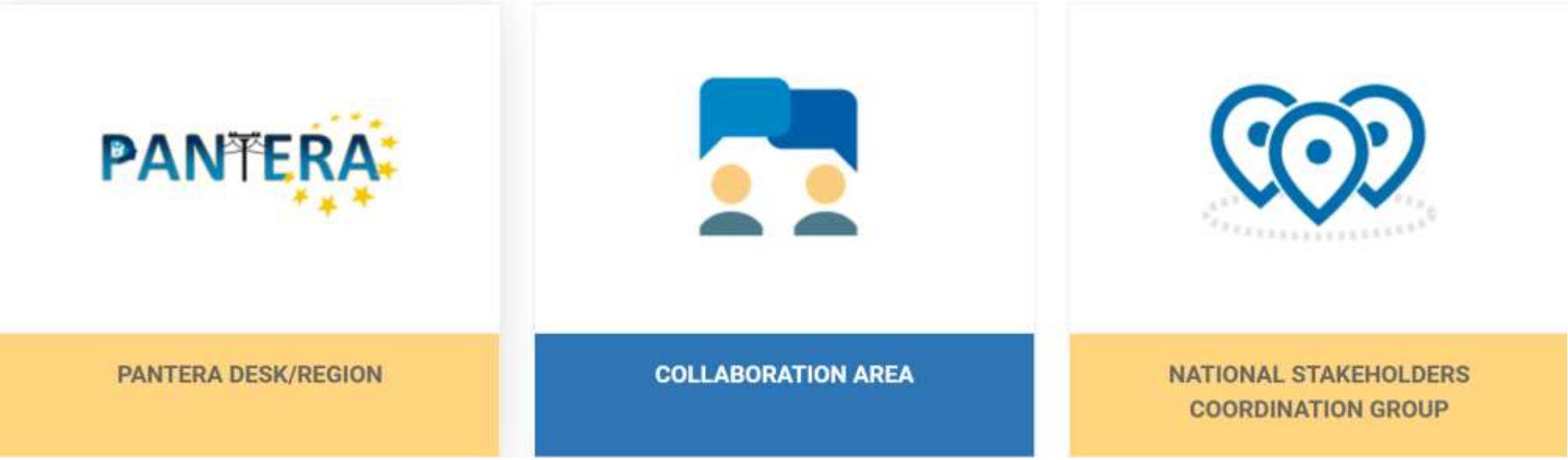
EIRIE

- It is EIRIE's vision to create, through the planned multi-functional collaborative platform, this reference operational point to:
  - Unify European activity
  - Incentivize further investments in smart grids
  - Support access to exploitable results
  - Spark further work and cooperation capable of bridging the existing gaps.



EIRIE: REGIONAL CORNER

- Connecting the Research & Innovation EU community.
- Building up the future of Smart Grids.
- Creating a strong and expandable network.
- Enhancing collaboration and knowledge sharing.



PANTERA 6+1 approach for giving the platform to act to all

- PANTERA 6+1 approach is an inherent part of PANTERA process which aims at strengthening national participation rate in smart grid investments by making national stakeholders' needs and expectations more visible on the European arena.
- It is a place for raising discussions with national decision-makers, sharing experience and challenges in research and innovation, inviting local stakeholders to interact more actively with PANTERA and other EU-level initiatives.

DESK 1	DESK 2	DESK 3
LATVIA	GREECE	MALTA
LITHUANIA	ROMANIA	CYPRUS
ESTONIA	BULGARIA	

DESK 4	DESK 5	DESK 6
CZECH REPUBLIC	ITALY	PORTUGAL
SLOVAKIA	CROATIA	IRELAND
POLAND	HUNGARY	

BEST PRACTICE DESK

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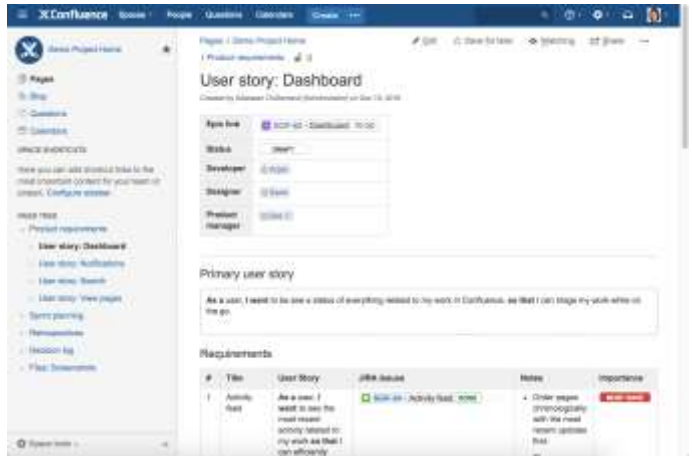
EIRIE: Collaborating through the use of Confluence

- Confluence is a collaboration wiki tool used **to help teams to collaborate and share knowledge efficiently**.
- Confluence is a **team workspace** where knowledge and collaboration meet by creating, collaborating, and organising all the work done within EIRIE in one place.
- Confluence is for teams of **any size and type**, from those with mission-critical, high-stakes projects that need rigor behind their practices, to those that are looking for a space to build team culture and engage with one another in a more open and authentic way.



Confluence

Confluence Guides

Confluence Spaces People Calendars Create ··· Search

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EIRIE Confluence How To

Created by PSARA Kyriaki, last modified on Nov 11, 2021

Confluence is a team workspace where knowledge and collaboration meet. Dynamic pages give your team a place to create, capture, and collaborate on any project or idea. Spaces help your team structure, organize, and share work, so every team member has visibility into institutional knowledge and access to the information they need to do their best work.

The **following links** provide an overview of the key features of Confluence and explain its basic and advanced usage as a knowledge management tool and a collaborative environment. If you still have a question that has not been answered, write and tell us about it.

EIRIE Confluence User's Guide

The Confluence User's Guide is for project managers, developers, testers – anyone who uses Confluence.

- EIRIE Confluence User's Guide

EIRIE Confluence Administrator's Guide

The Confluence Administrator's Guide is for people with Confluence administration rights. It will help you set up users and groups, security for users, groups and spaces, and keep track of any changes and updates made within your Confluence site. You may want to customise the look and feel of Confluence, by applying a theme to a space or modifying colour schemes and layouts. Admin tasks such as backup are also covered.

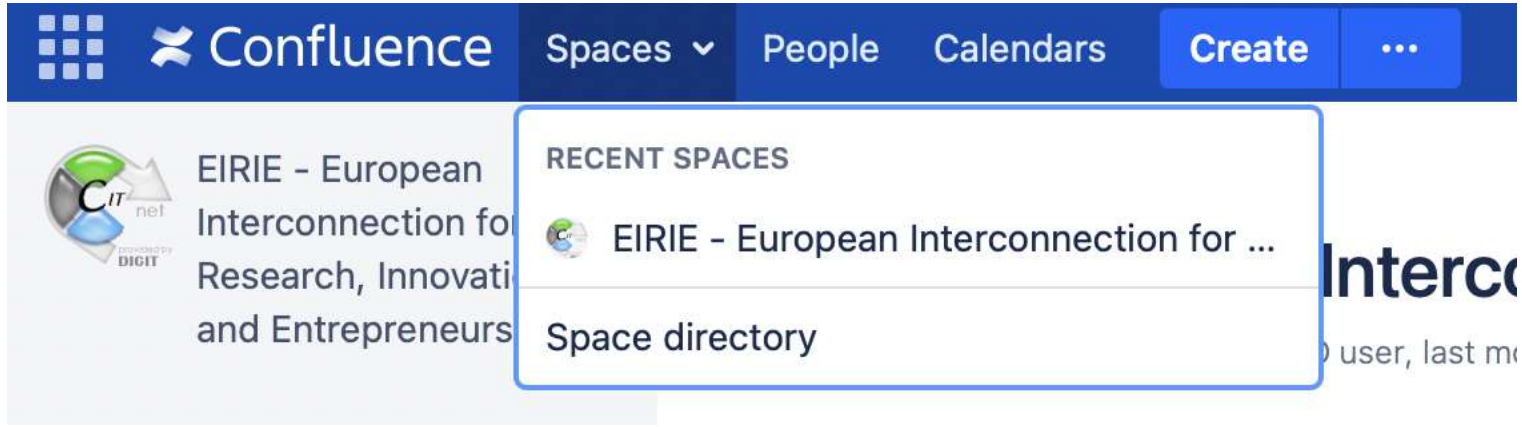
- EIRIE Confluence Administrator's Guide
  - Confluence Restrictions
  - EIRIE Groups

Like Be the first to like this No labels

Write a comment...

Confluence - Space

- **Spaces** help your team structure, organize, and share work, so every team member has visibility into institutional knowledge and access to the information they need to do their best work.
- All EIRIE content is grouped together in the same space.
- Each space comes with **an overview** (or homepage) and a blog, so it's easy to share updates and announcements with your whole team.



EIRIE Space

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EIRIE - European Interconnection for Research, Innovation and Entrepreneurship Home

Created by Butler Confluence STUDIO user, last modified by PSARA Kyriaki on Nov 10, 2021

1.1. ABOUT EIRIE

It is EIRIE's vision to create, through the planned multi-functional collaborative platform, this reference operational point to unify European activity, 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.

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- EIRIE Confluence How To
  - EIRIE Confluence User's Guide
  - EIRIE Confluence Administrator's Guide
    - EIRIE Groups
    - Confluence Restrictions

1.2. USEFUL LINKS

Maturity index tool

This tool is based on a methodology for quantification of the maturity level of the functionalities of the smart grid paradigm as they are defined in the European Technology and Innovation Platform Smart Networks for Energy Transition (ETIPSNET) roadmap. The first step is the evaluation of the **advancement of the technologies**, then the **level of the maturity of the** functionalities that will support the integrated grid of the future and lastly the **smart grid system readiness** as a whole. Through this evaluation, progress made so far can be evaluated, the needs for future research can be identified and the funding of the European Commission (EC) has a quantified direction to go. This methodology is part of the EIRIE platform of the EC hosted by Joint Research Centre (JRC) and is validated through the extensive data base of European Horizon2020 projects.

To access the maturity index tool follow the link here.

Questionnaire

Say something about Inycom's questionnaire...

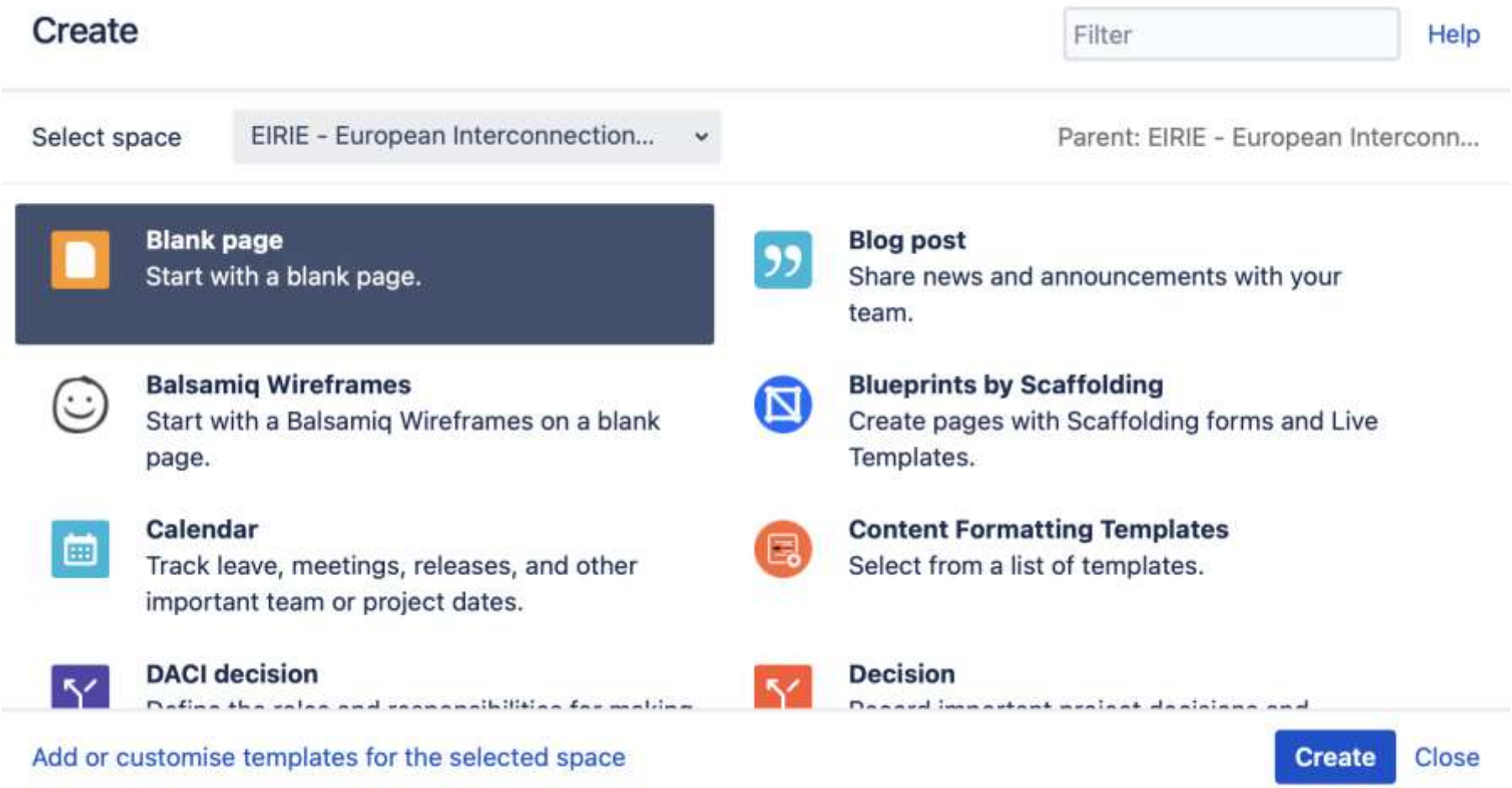
1.3. EIRIE SPACE ARCHITECTURE

ARCHITECTURE → Say something here...

Confluence - Pages

- All content lives in **pages** – living documents created on EIRIE Confluence site.
- Various different **types of pages** can be created such as project plans, meeting notes, troubleshooting guides, policies, and more.
- Confluence comes bundled with **templates** that can be used as a basis for almost any kind of content.
- In case none of the existing templates can be used for a specific type of content you want to create, **a blank page** can be used and adjusted accordingly.

Page Example



Page Example

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EIRIE project space

Created by PSARA Kyriaki, last modified on Nov 11, 2021

Confluence is a team workspace where knowledge and collaboration meet by creating, collaborating, and organising all the work done within EIRIE in one place. Dynamic pages give the EIRIE team a place to create, capture, and collaborate on any project or idea. Spaces help the EIRIE team to structure, organise, and share work, so every team member has visibility into institutional knowledge and access to the information they need to do their best work. Confluence is for teams of any size and type, from those with mission-critical, high-stakes projects that need rigor behind their practices, to those that are looking for a space to build team culture and engage with one another in a more open and authentic way. Learn more on how to work with Confluence.

1.1. Key terms

1.1.1. Page

All content lives in **pages** – living documents created on EIRIE Confluence site. Various different types of pages can be created such as project plans, meeting notes, troubleshooting guides, policies, and more. Confluence comes bundled with templates that can be used as a basis for almost any kind of content. In case none of the existing templates can be used for a specific type of content you want to create, a blank page can be used and adjusted accordingly. Learn more about Confluence pages.

1.1.2. Space

Pages are stored in **spaces** – workspaces where teams can collaborate on work and keep all content organised. All EIRIE content is grouped together in the same space. Each space comes with an overview (or homepage) and a blog, so it's easy to share updates and announcements with your whole team. Learn more about EIRIE project space.

1.1.3. Page tree

Space content is organised with a hierarchical **page tree** that makes finding work quick and easy. Pages are nested under related pages in order to organise pages in just about any way.Learn more about page trees.

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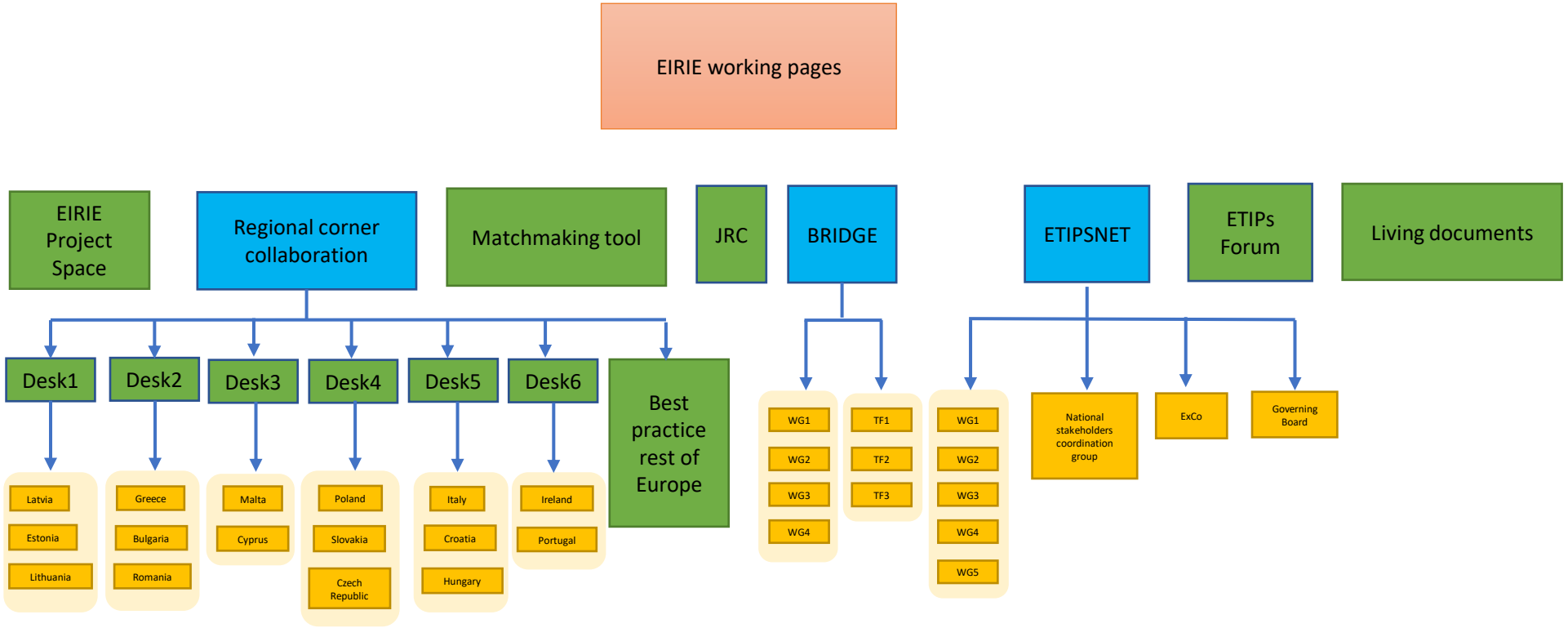
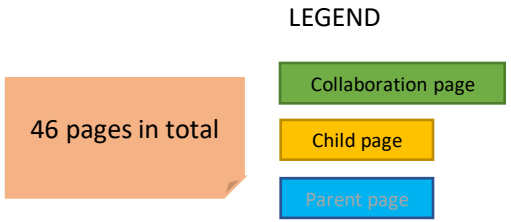
Confluence – Page Trees

- Space content is organised with a hierarchical **page tree** that makes finding work quick and easy.
- Pages are **nested** under related pages in order to organise pages in just about any way.

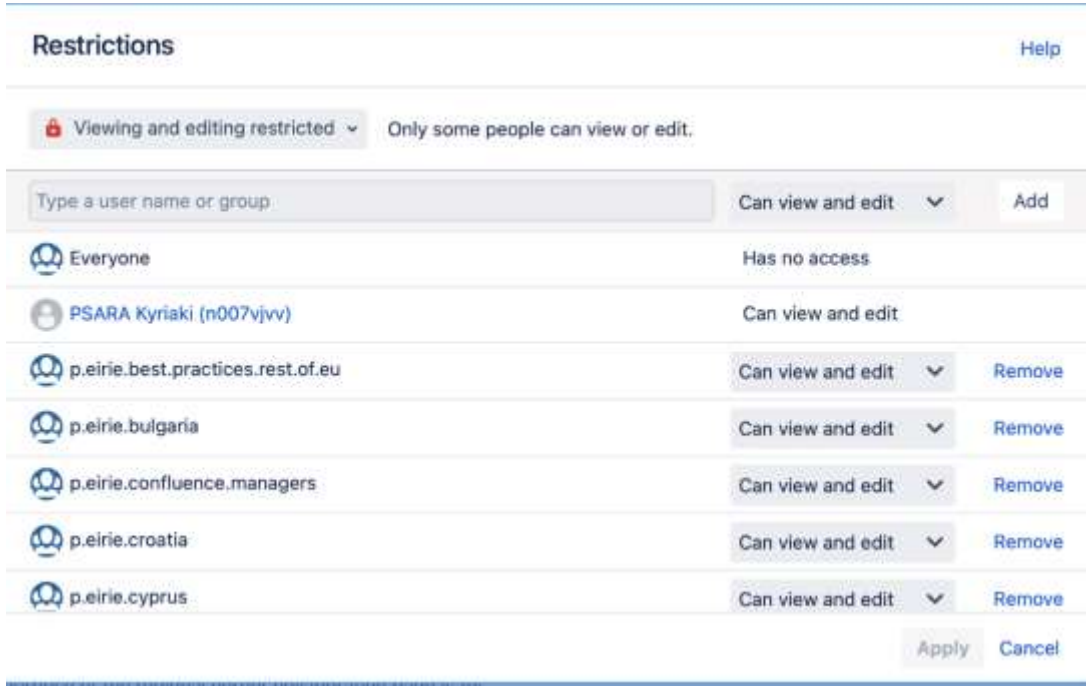
Confluence - Architecture





Confluence - Page Restrictions

- Page restrictions allow confluence users to control who can view and/or edit individual pages in a space.
- Project managers can add restrictions for individuals or for confluence groups.



Get in touch

https://pantera-platform.eu/

www.eirie.eu
or
https://ses.jrc.ec.europa.eu/eirie/en