



### PANTERA project - A Pan European Technology Energy Research Approach

## PANTERA opportunities for data sharing via EIRIE platform

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





#### **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:**

















# PANTERA Platform Conceptual Representation



Working groups Research infrastructures, Regulation & Standardisation, Gap analysis, etc.

Community of stakeholders Policy makers, experts, researchers, etc.

Workshops 16 pan European and regional workshops PANTERA desks
Ensure wide participation and involvement of main stakeholders, create a local network,etc.

With the support of national, international, EU platforms and initiatives

ETIP SNET

MISCONIC MARKET MAR

Multi-functional collaborative platform

Digital Repository

Regulations and standards
Reports and deliverables
State-of-the-Art and best practices
Use cases and scenarios
New ideas for strengthening R&I activities in all EU countries
Projects overview
Projects outcomes

Funding

Collaboration Space – Living Documents

Monitoring & Understanding
R&I Landscape
Identifying Smart Grid R&I
Gaps at national and EU level

Tools and Features

Collaboration
Profiles and
Visibility

Reports

User-friendly

analytics

Strong and Multidiverse search engine over Data, Information and Knowledge

**Events** 

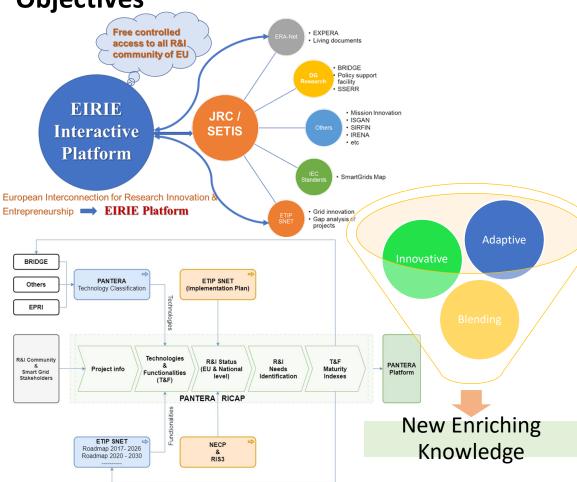
by ERA-Nets)

EU FP7/H2020,

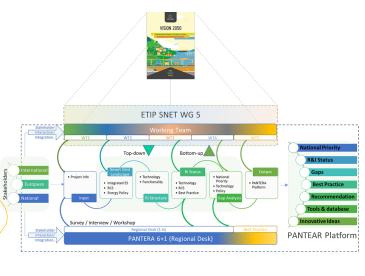
national and

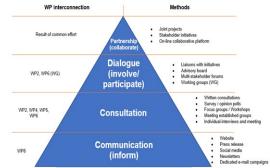
Vision for a multifunctional collaborative platform to serve R&I in EU in support of the energy transition and more specifically energy systems

Eye bird view of the PANTERA Process / Objectives









PANTERA Platform Data Provisions and Design Principles



Knowledge Area: Living Docs, Best Practices, Regulation & Standards, Gap Analyses and SRI

Living Docs

Search Linking
Function Function

Scenario Building

> Project Info Creation

Information Area: Projectrelated information through integration with JRC, ETIP-SNET, Expera

Simple Data Analytics Advanced Data Analytics

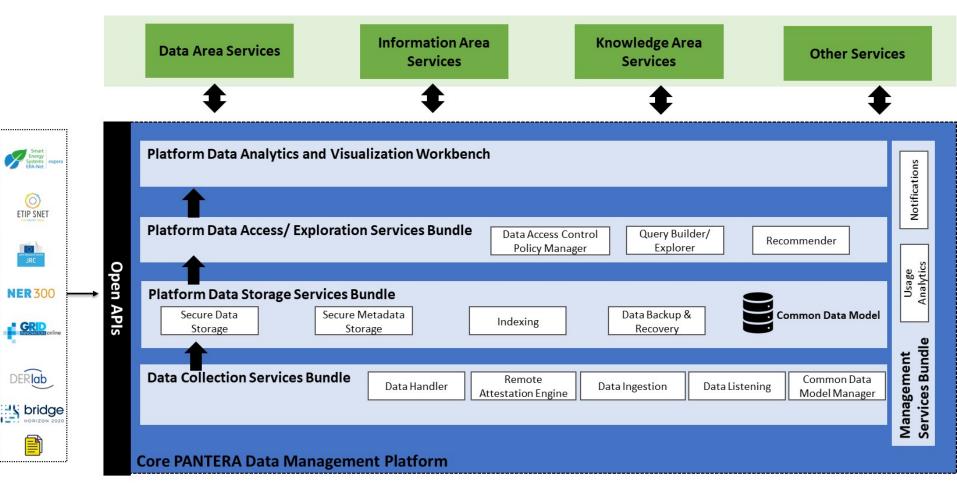
Research Infra Database Search Function Linking Function

Data Area: Project results, Deliverables, Reports, Use Cases, Best Practices Project Data Collection Research Data Sets Standards & Regulation

Search Function Linking Function

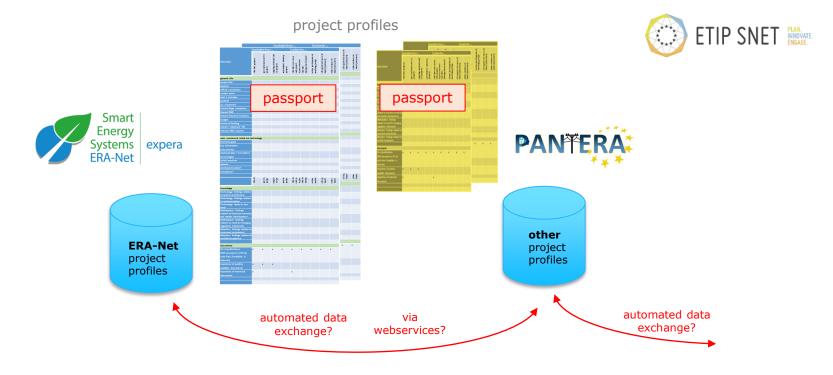
### PANTERA Platform High-level Conceptual Architecture





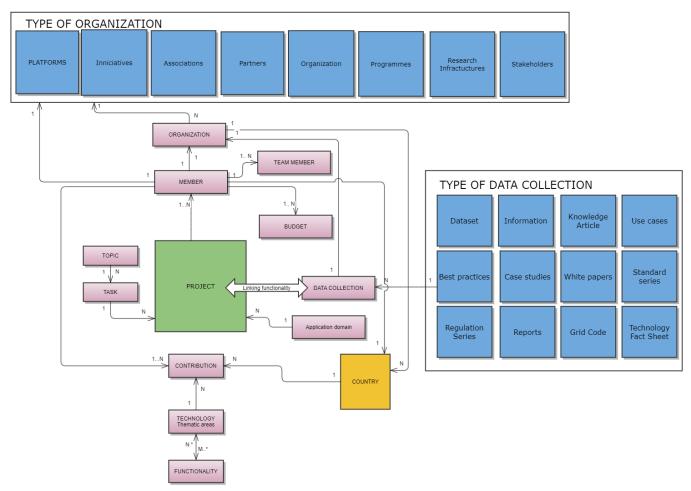
### Connecting Project Repositories Emphasis on the first phase on knowledge sharing through the compilation of living documents





# PANTERA

#### **EIRIE Data Model definition**











Dr Venízelos Efthymiou

Chairman of FOSS Research Centre for Sustainable Energy

efthymiou.venizelos@ucy.ac.cy

www.foss.ucy.ac.cy