

WP2

Access to Facilities, FAIR Data and related Services

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ITINERIS

Italian Integrated Environmental Research Infrastructures System



WP2 Keywords: Access and FAIRness

Access to Research Infrastructures

The legitimate and authorised physical, remote and virtual admission to, interactions with and use of Research Infrastructures and to services offered by **Research Infrastructures to users.**

Article 3 (c) of the European Charter for Access to Research Infrastructures

EU Charter promotes **Access to Research Infrastructures in order to conduct innovative research and development, to improve the related methods and skills in the workforce and to foster collaboration.**

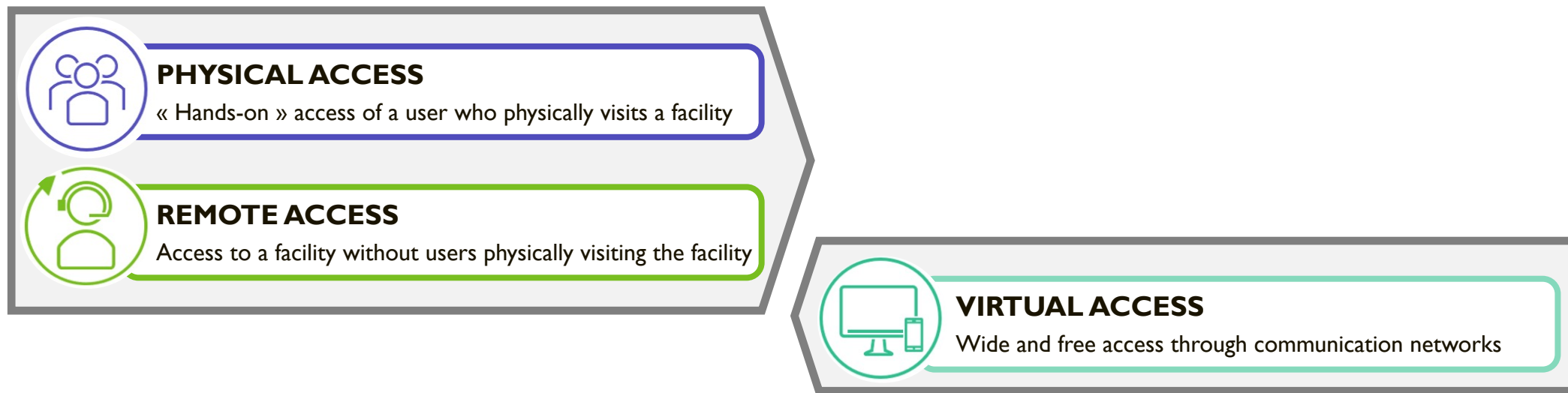
This Charter moreover promotes interaction with a wide range of social and economic activities, including, as appropriate, business, industry and public services, in order to maximise the return on investment in RI and **to drive innovation, competitiveness and efficiency in terms of use of the scarce resources available.**

WP2 Keywords: Access and FAIRness

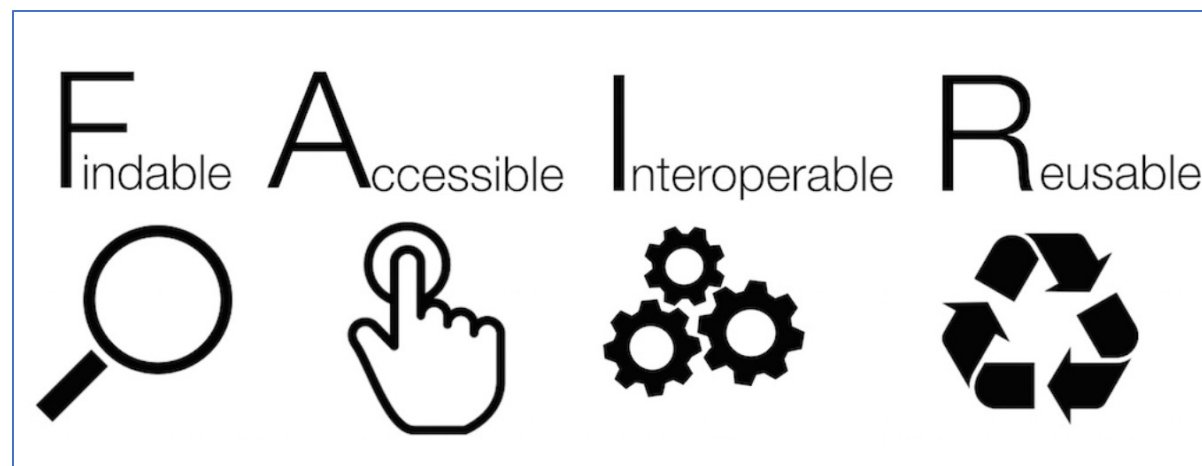
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The **FAIR principles** are intended as a guide, not a standard, to enable digital resources to become more Findable, Accessible, Interoperable and Reusable for **machines** and thus also for **humans**.

The **FAIR principles** have been widely adopted by a broad range of stakeholders (e.g. RIs) who have implemented their own **FAIR solutions**.

However to reach the goal of fully **interoperability**, we need to support convergence towards accessible, robust, widespread and consistent FAIR implementations.

Strong involvement in the EU context

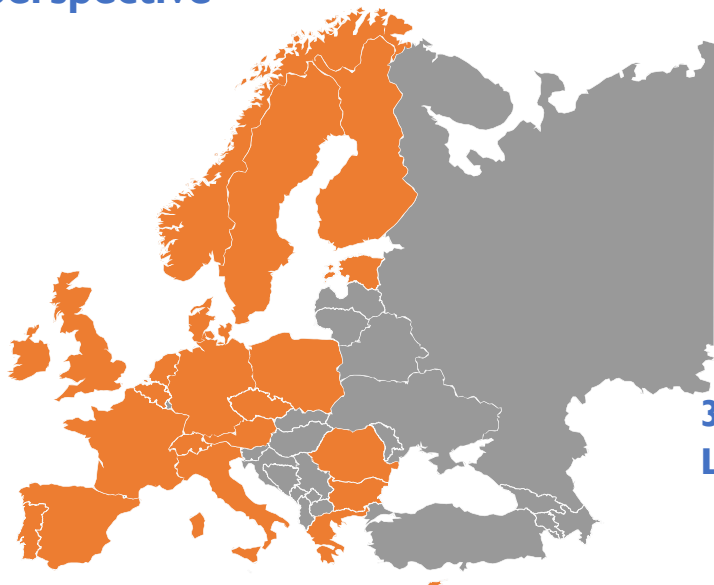


«The overall impact is a **pan-European research landscape** that offers significantly improved discovery, access, interoperability and exploitation of research outputs and facilities for researchers and for research and innovation stakeholders»

EU H2020 Pilot project for improving ACCESS to EU RI



Solutions for Sustainable Access to Atmospheric Research Facilities in Europe in a long-term perspective



3 Atmospheric ESFRI Landmarks

- * Open **physical, remote and virtual access** for users to >50 state-of-the-art facilities and services in atmospheric distributed Research Infrastructures in Europe.
- * **Enhancing the spectrum of products, capabilities and accessibility** for a wide range of users and further advancing the available services.
- * **Exploring and testing new modalities of access – flexible, innovative, tailored.** Building on the complementarity and synergies among atmospheric RIs and responding to evolving needs of users in relation to training, research and technology development, innovation and data services.
- * Developing **guidelines and recommendations** for governance, management and funding for efficient and effective access provision
- * Identifying the **most suitable conditions for establishing sustainable access procedures** across the EU for distributed atmospheric RIs.

WP2: Objectives

The objective of the ITINERIS project is the core objective of WP2 to establish the Italian Hub of Research Infrastructures in the environmental scientific domain. WP2 will facilitate access to data and services of ITINERIS.

Most of the 22 RIs participating in ITINERIS already offer data and services (technical, research, innovation up to close-to-market) from and across different domains of the Earth system.

WP2 builds upon this current effort to improve Access management and FAIRness, developing the conditions for harmonizing standards, metadata and policies amongst the different RIs.

RIs are very diverse and on different levels of maturity, facing similar challenges in their operations in regard to FAIR compliance and Access management.

WP2: Participants in the WP

- CNR-IMAA Potenza
- CNR-IRET-Lecce



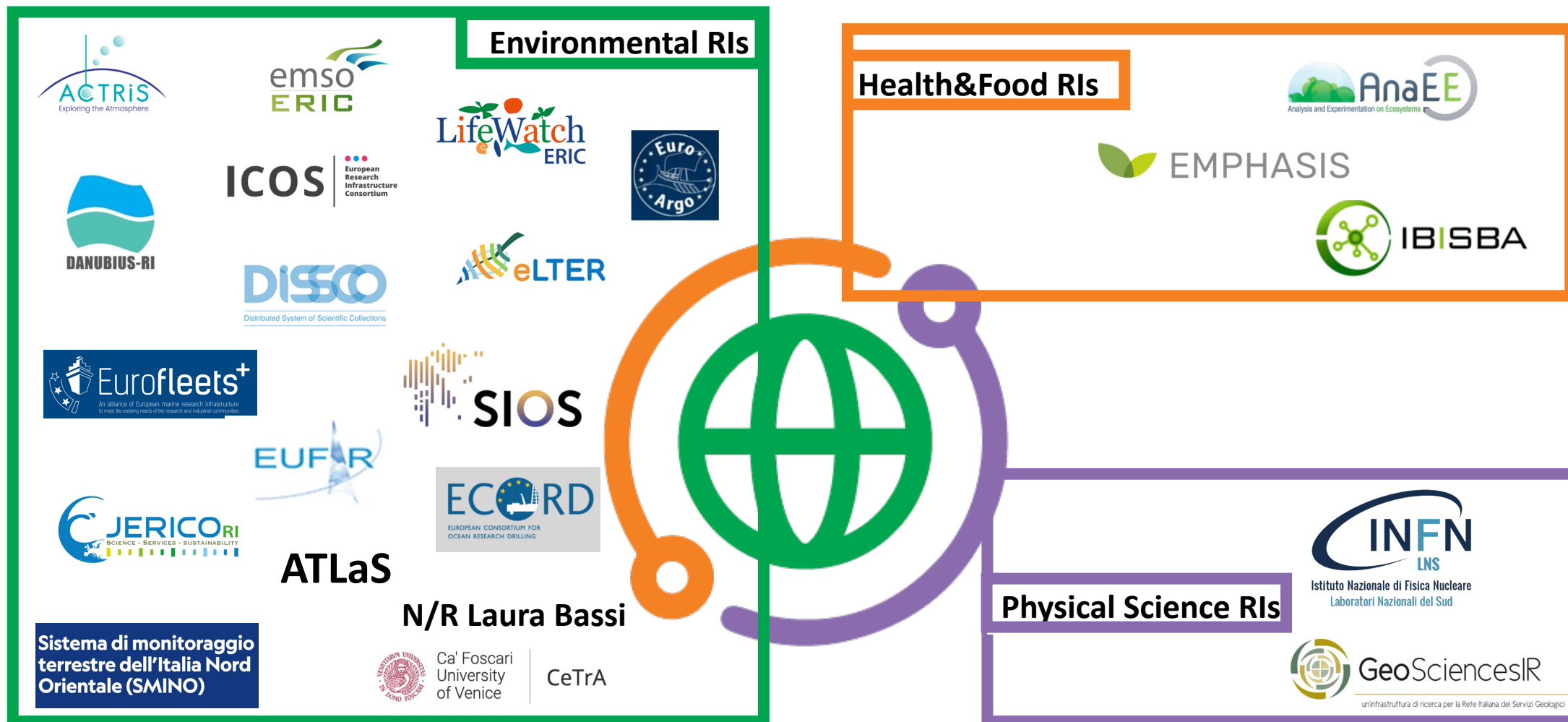
Research Infrastrutture Board



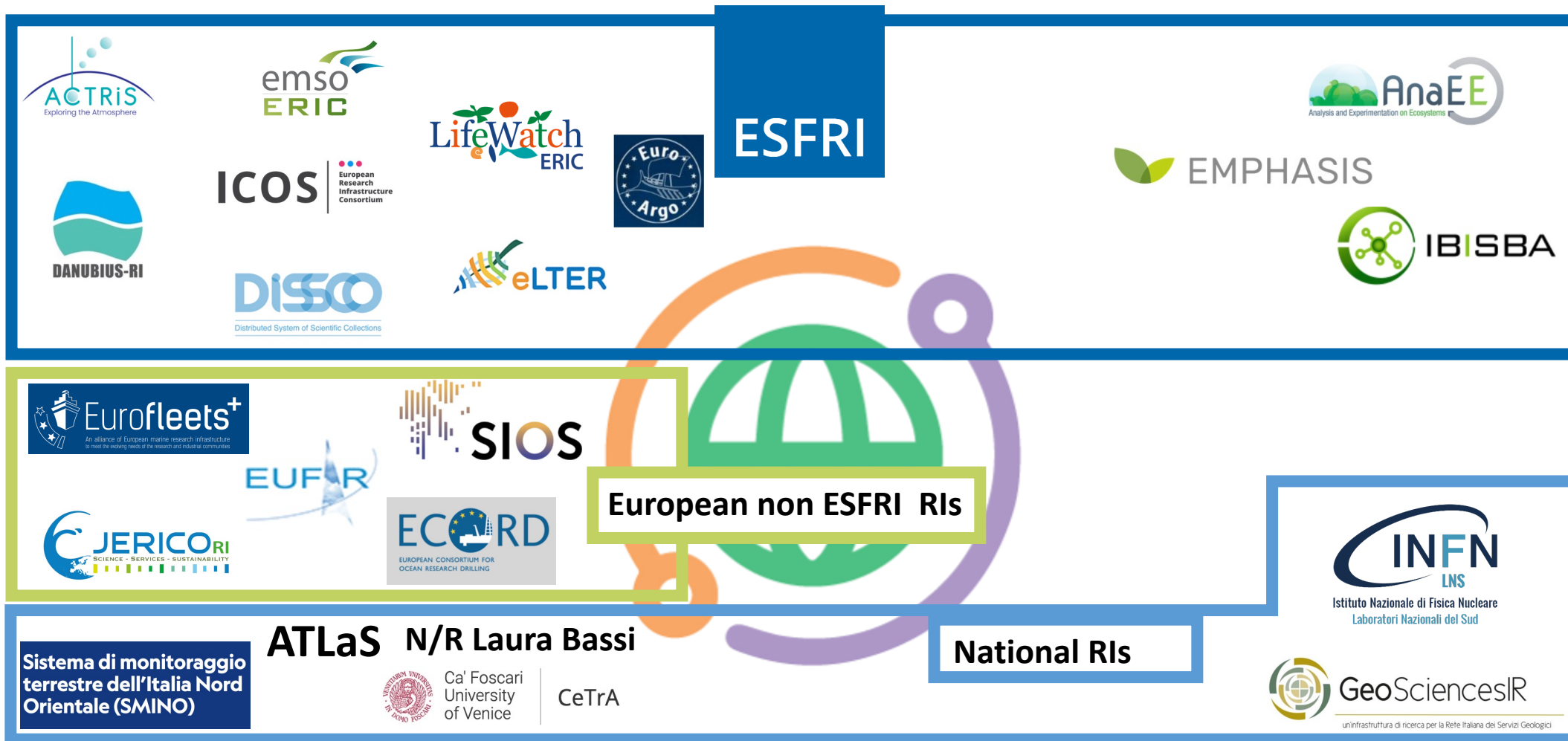
Working Groups



WP2: RIs Participants in the WP



WP2: RIs Participants in the WP



WP2: Summary of the activities

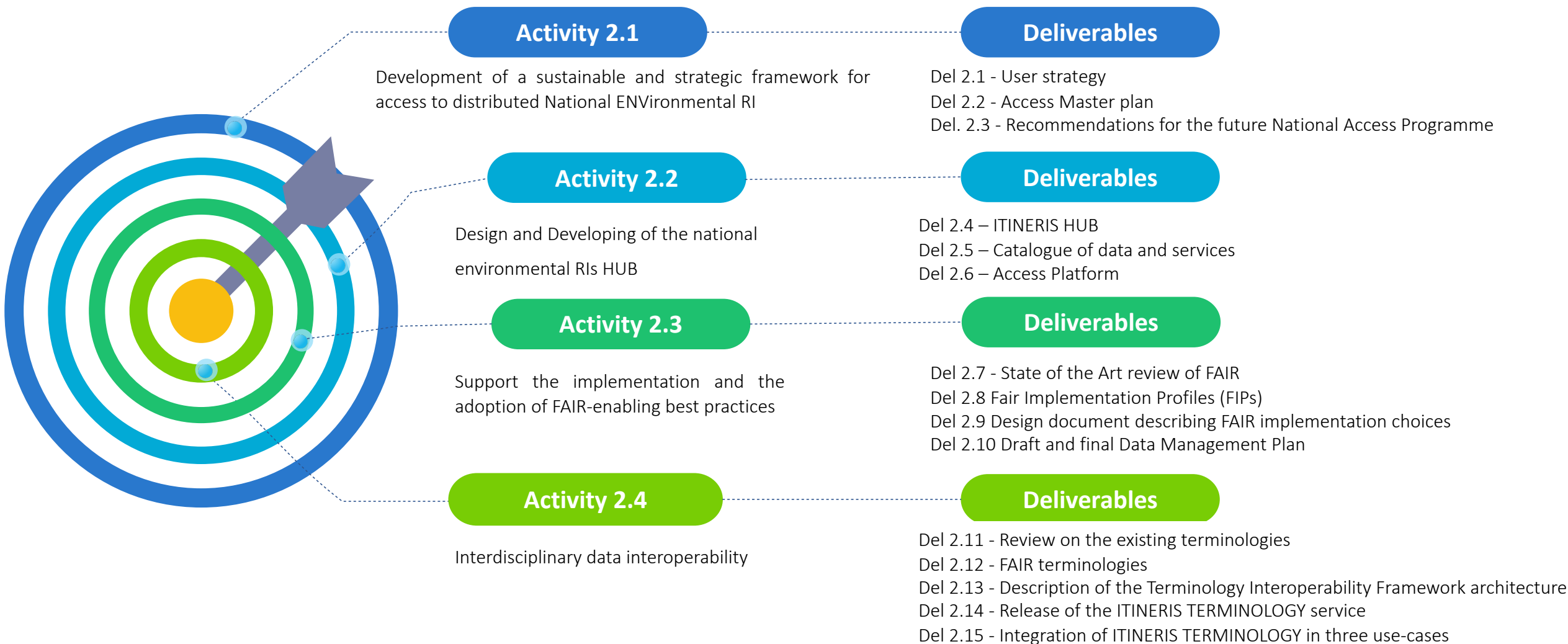
FINAL GOAL:

WP2 aims to **identify, design and implement** *methodologies, protocols, standards and technological resources* to favor the access to multidisciplinary services and data which will enable all national environmental RIs to improve their existing work and will represent a strong step forward for the less mature communities by accessing consolidated best-practices.

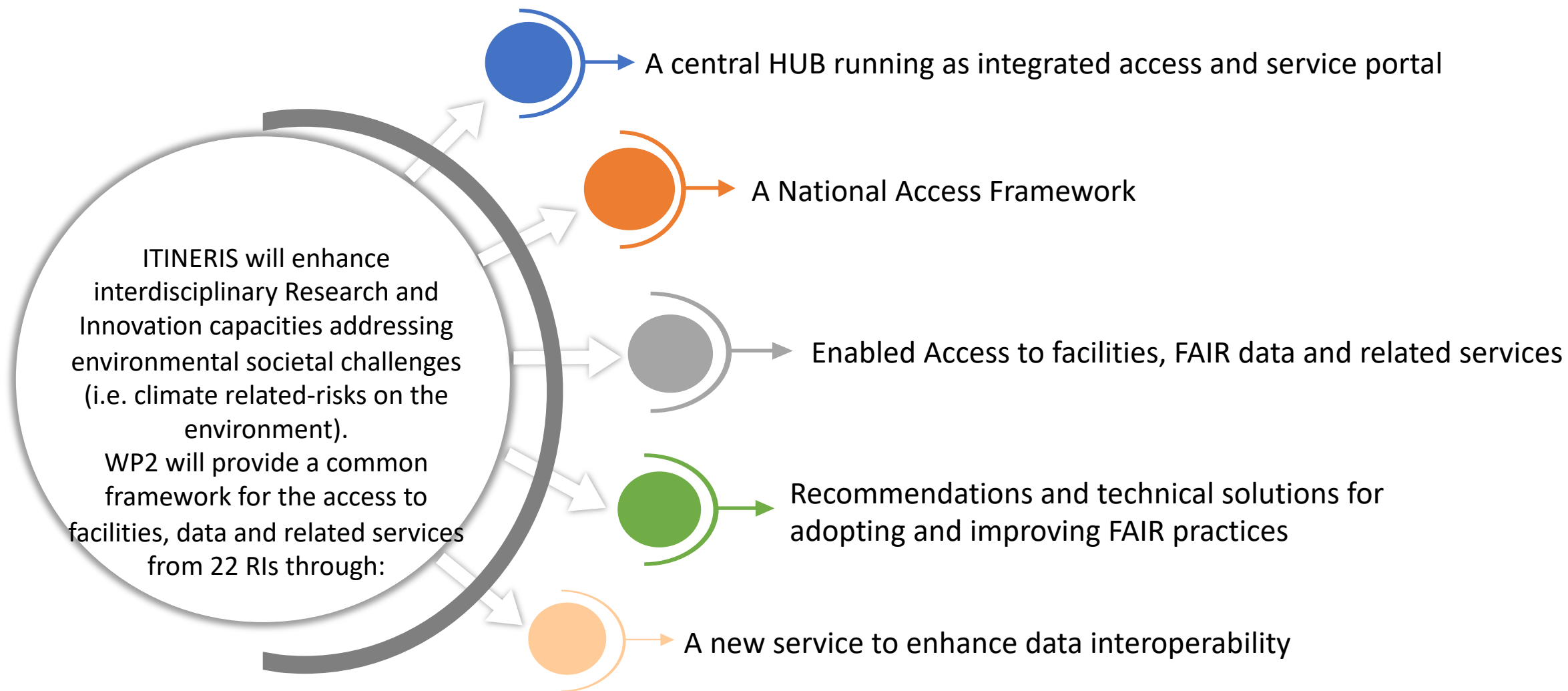
SPECIFIC Objectives

- Networking and harmonisation of National Environmental RIs to build a community** (also online) around a central HUB enabling access to the environmental data of distributed national RIs, which share resources and management practices, and work to enhance cross-disciplinary interoperability.
- Definition of a common framework for Access Provision and implementation of a single-entry point** to the whole national network of environmental RIs and to their facilities, resources and knowledge to reinforce the national contribution to scientific excellence in Europe.
- Encourage the application of FAIR principles** to support the advancing cross-disciplinary Research through environmental domains.

WP2: Summary of the activities



WP2: Most relevant expected outcomes



WP2: Inter-relation with other WPs

WP2 is linked to all WPs:

- WP3 for training activities, for improving competences of new researchers on FAIRness and Access Management
- WP4 – WP5 – WP6 – WP7, for improving data FAIRness and RIs accessibility
- WP8 for making new ITINERIS data and services available and accessible through the HUB