FAIR convergence analysis across ITINERIS Research Infrastructure
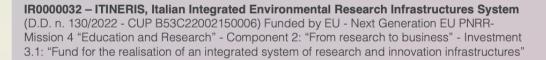
Gianmarco Ingrosso, Enrica Nestola, Gregorio Sgrigna, Andrea Tarallo, Ilaria Rosati
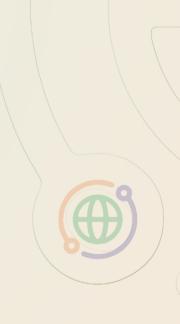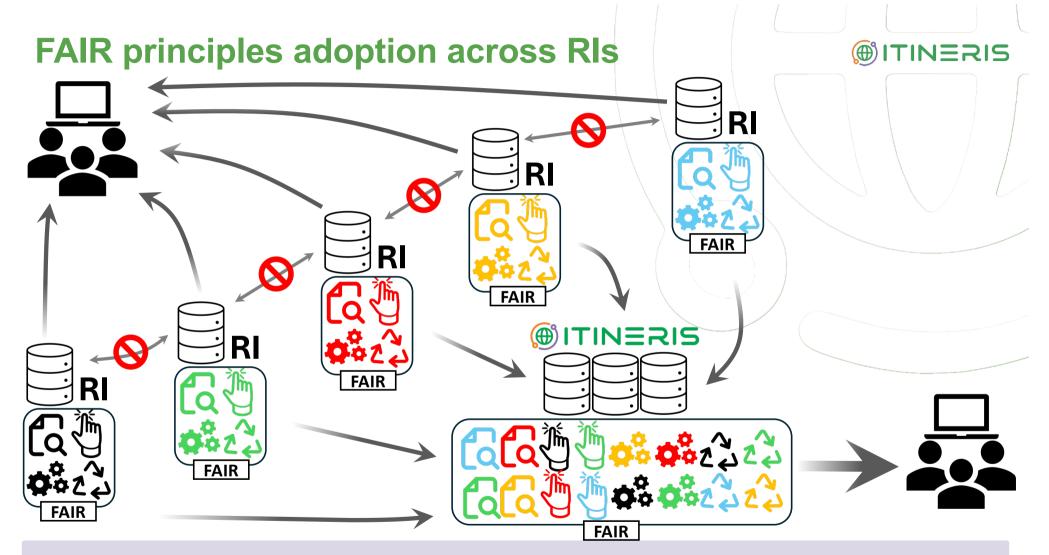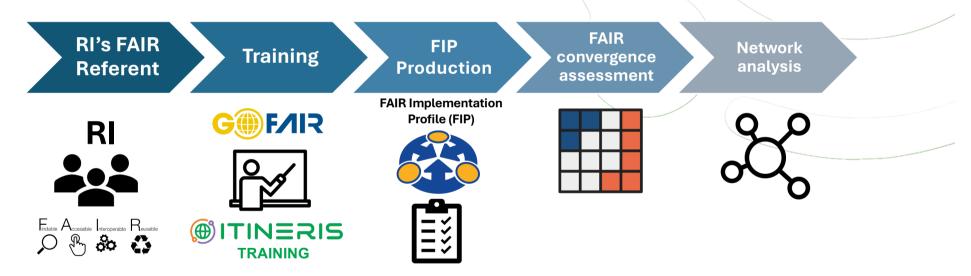
FAIR principles adoption across RIs

Objectives

Assess the capacity of **RIs** and **ITINERIS HUB** to share data and digital resources, based on common FAIR practices (Potential connectivity)
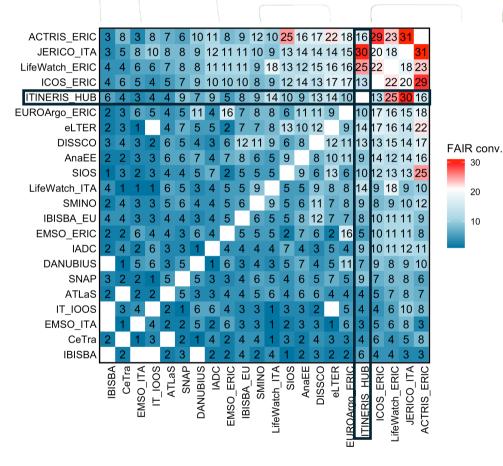
Methods

FAIR convergence assessment

13 RIs produced new FIPs

1. ATLaS
2. CeTra
3. DiSSCo
4. EMSO ITA
5. SMINO
6. IBISBA EU
7. IBISBA ITA
8. IT-IOOS
9. IADC
10. ITINERIS HUB
11. JERICO ITA
12. LifeWatch Italy
13. SNAP

- ITINERIS ranked the fifth position among the RIs with the highest number of shared FAIR practices

- ACTRIS, JERICO, and LifeWatch were at the top three positions.

- ITINERIS revealed the highest convergence of FAIR practices with JERICO, LifeWatch, and ACTRIS.
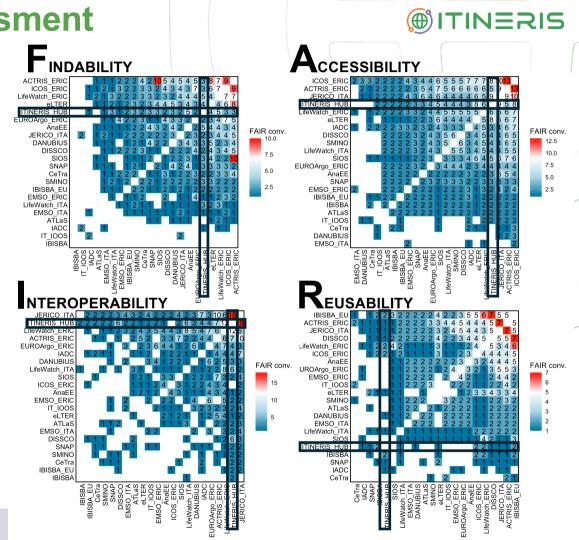
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Analyzing the convergence of FAIR practices across the different principles, ITINERIS performs a good convergence in terms of **Findability** and **Accessibility**, very high common practices in **Interoperability**, but still requires further improovments when it comes to **Reusability**.
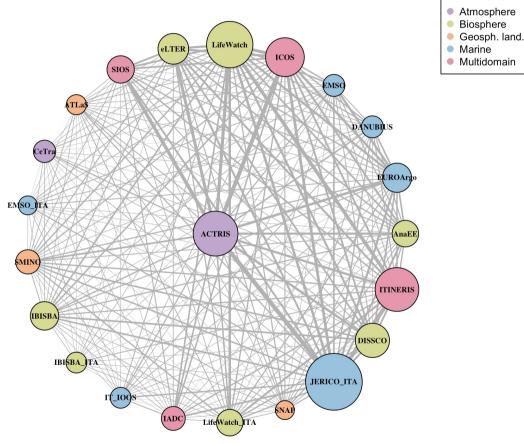
Network analysis

ITINERIS, despite having many connections, still has a marginal role for now.

ATCRIS currently holds the central position, with the strongest and most numerous connections.

Conclusions

- This analysis is a **first attempt** to estimate potential interconnection between ITINERIS and other infrastructures (data and digital resource exchange).

- **Limitations** exist (e.g., some FIPs not updated, the compilation is not uniformly detailed in all IRs)

- The method provides a **global overview**, **identify priorities** for future improvements and implementations.

Legend:
- Atmosphere
- Biosphere
- Geosph. land.
- Marine
- Multidomain

THANKS!