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# WP3 ITINERIS Training Programme

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## ITINERIS Italian Integrated Environmental Research Infrastructures System



## WP3: Training Centre

European Research Infrastructures are 'world-class', sustainable facilities that provide resources and services for research communities to conduct research and foster innovation.

They:

- Require top level human capital;
- Ensure user-friendly and well-documented resources and services to research communities;
- Contribute to the cultural development of future generations of both Ris' users and employees;
- Represent nationally/internationally recognised and reference 'Knowledge Competence Centres' to civil societies and citizen at large

Training needs



Training & Support

## WP3: Participants in the WP

### ORGANISING THE ACTIVITIES

- CNR-IGG-Pisa
- CNR-IMAA-Potenza
- **CNR-IRET-Lecce**
- CNR-IRET-Roma
- CNR-ISMAR-Venezia

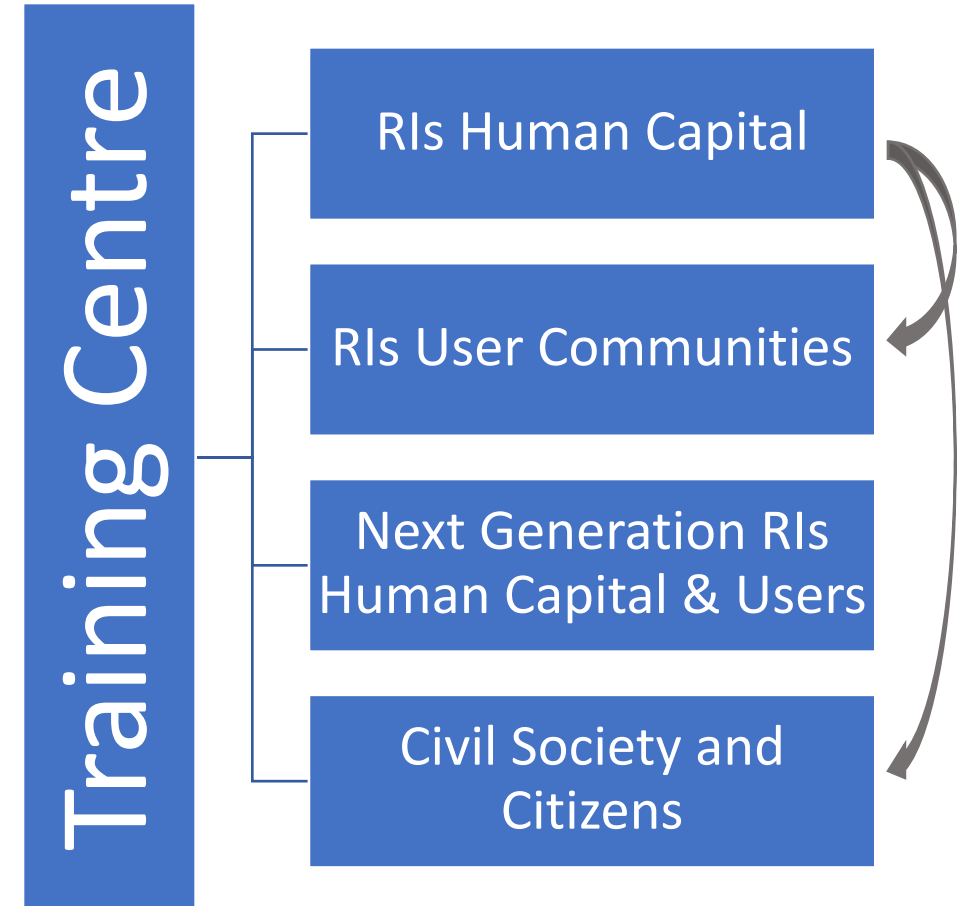
### PARTICIPATING TO THE ACTIVITIES

- All O.U.
- All RIs



## WP3: Objectives

1. Develop a single, unified, Training Centre for the Italian RIs with major interest in the Environmental domain;
2. Maximize the efficiency of the research infrastructures' operation;
  1. Reinforcing competences and skills of the human capital involved in Research Infrastructure development and operation;
  2. Offering advanced training support to using all resources and services offered by the RIs;
3. Ensure excellence of future generations of RIs employees and users;
4. Ensure knowledge transfer to all components of civil societies and to citizens



## WP3: Summary of the activities

**Activity 1.** Development, set-up, coordination and operation of the ITINERIS Training Centre. The activity includes:

- 1A.** The design and implementation of the Training Platform, the FAIR Catalogue of all training digital objects and the Semantic Training Platform, dedicated to the knowledge transfer and engagement, which incorporates the mining and re-use of educational e-training / e-learning courses produced by the RIs;
- 1B.** The mapping of the training requirements of both employees and users of the RIs;
- 1C.** The design and implementation of the training programme meeting the needs of employees users and other key target stakeholder categories of the RIs; and,
- 1D.** The design and implementation of all digital training objects produced as training material of every training event of activities 2, 3, 4, including as major categories tutorials, e-training and e-learning materials, TEDs and short documentaries, podcasts and scientific gaming;
- 1E.** The planning of the long-term sustainability of the ITINERIS Training Centre of the Italian Environmental Research Infrastructures.

## WP3: Summary of the activities

**Activity 2.** Training RIs staff and user communities – Six Intensive one-week courses/hands-on stages per thematic sub-domain (eScience, Atmosphere, Terrestrial, Marine, Solid Earth sub-domain), four trans sub-domains intensive courses and two on Management aspects.

**Activity 3.** Training future generation of RIs staff and users – ITINERIS PhD programme per thematic sub-domain in collaboration with five University for the XXXVIII and XXXIX cycle; summer and winter schools per thematic sub-domain and trans sub-domain. Four intensive schools are organised per thematic sub-domain and trans sub-domains. A dedicated budget for the registration to high level MSc related to the RIs activities.

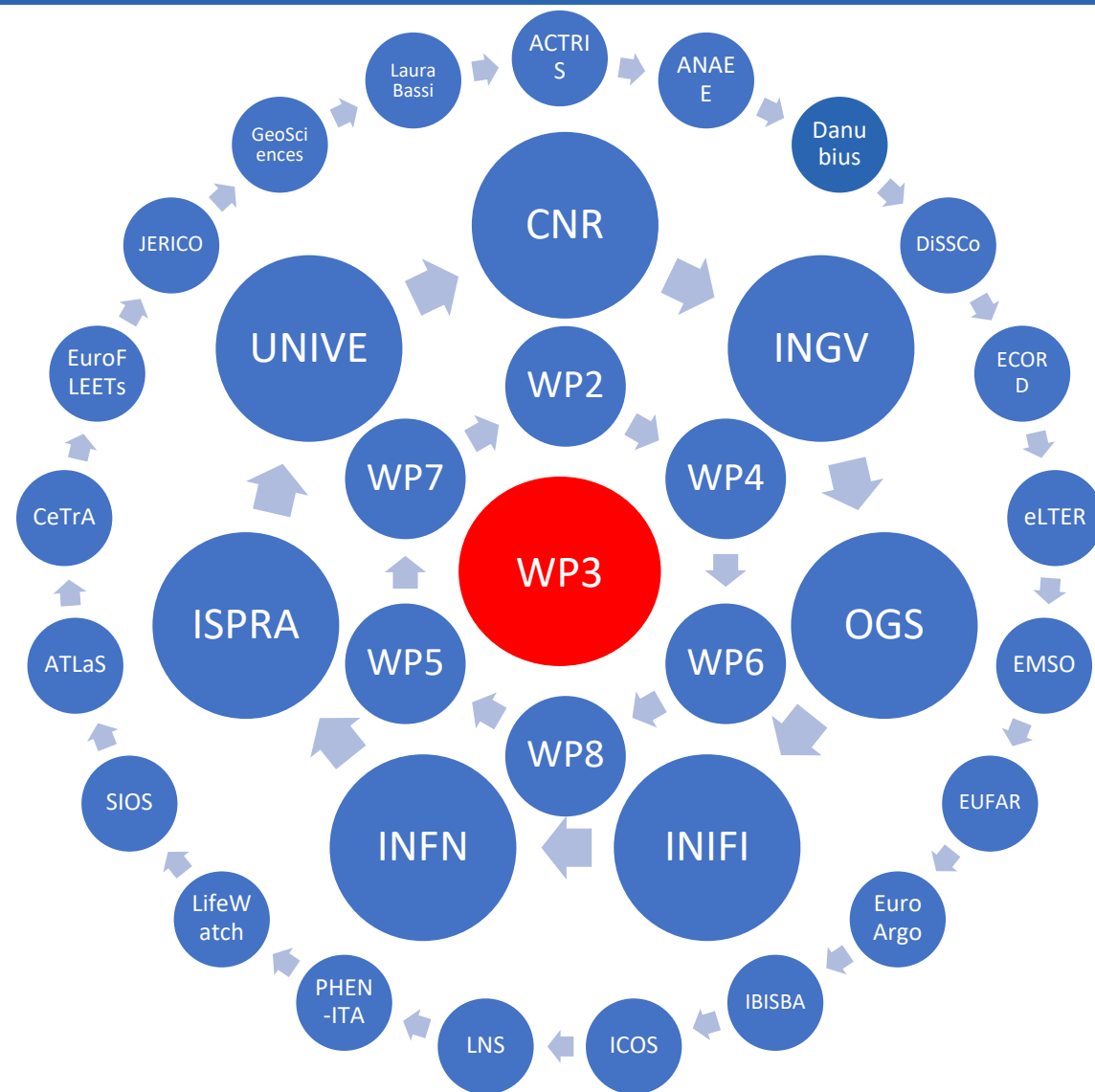
**Activity 4.** Training RI staff on science communication and citizen engagement in science – The training programme is organised in two steps:

**4A.** Intensive advanced courses on science communication to staff of the RIS per thematic sub-domain ( one course) and trans sub-domains (two courses) at year one;

**4B.** Two series of intensive courses, as winter and summer schools, organised in the second year by the RIs employees for the school teachers with the involvement of the students of secondary schools .

## WP3: Inter-relation with other WPs

WP3 collaborates with all ITINERIS co-beneficiaries and almost all WPs; it serves all Environmental sub-domains and all RIs involved in ITINERIS



## WP3: Most relevant expected outcomes

1. The reinforcement of the human capital of the Environmental Italian Research Infrastructure;
2. The formation of a new generation of RIs' staff and of early career researches trained to using the RIs' facilities with a trans-disciplinary approach fine tuned with the most advanced developed at the European level;
3. The ITINERIS Training Centre, making available and re-usable in the long term to the RIs' staff and users and to the different categories of the ITINERIS stakeholders, all training digital objects produced in the WP3 activities;
4. The reinforcement of the contribution of the RIs to the competitiveness of the Italian environmental research at the European and global level.