

TRAIN4EU+

Work Package 3:

Sharing Research Infrastructure

Dr. Anne Jürgens
4EU+ Office at Heidelberg University

6 universities



A large number of Research Infrastructure (RI) and Core Facilities (CF)

DEFINITION
Research Infrastructures are Facilities that provide resources and services for research communities to conduct research and foster innovation. They can be used beyond research e.g. for education or public services and they may be single-sited, distributed, or virtual. They include
-major scientific equipment or sets of instruments
-collections, archives or scientific data
-computing systems and communication networks
-any other research and innovation infrastructure of a unique nature which is open to external users

MAPPING ANALYSIS

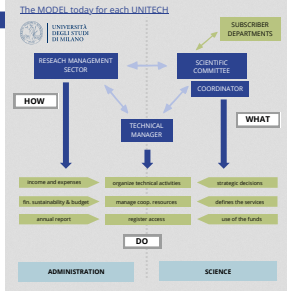
METHODOLOGY

Questionnaire for mapping analysis of selected cases:
- Case selection by type (R/ICF) and scientific field
- General data (country; location; type; governance structure (centralised/decentralised))
- Size, equipment, staff and user data (staff number; equipment; services; education/training; user numbers; workload; booking system)
- Industrial collaboration (commercial/industrial partners)
- Open access and publication practice (accessibility; Open Data)

BEST PRACTICE: UNITECH Core Facilities at the University of Milan

ACTIONS

- On-site best practice assessment of UNITECH at the University of Milan in March 2023
- Paper „Navigating the Frontier: Research Infrastructures, Core Facilities and the Shaping of a New Paradigm at European Universities”
- Staff category: **SCIENTIFIC TECHNICAL EXPERTS**
- Future **DATABASE** and **NETWORK** of RI and CF at European Universities
- Future joint research & collaboration



LESSONS LEARNED

- Registered **Core Facilities** in Life/Natural Sciences present at most Universities
- Differences in **centralised/decentralised** management systems
- Funding: lack of sustainability** regarding operational costs, core funding and staff cost by host institutions, national & external funders and user fees
- POI: Scientific technical experts & other staff** as a significant resource for **future** development of RI and CF

FUTURE COLLABORATION GREATLY DEPENDENT ON FUNDING

