



Re-UNITA

D4.1 Database of scientific infrastructure to be shared

UNIZAR



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* PU = Public; PP = Restricted to other programme participants (including the Commission Services); RE = Restricted to a group specified by the consortium (including the Commission Services); CO = Confidential, only for members of the consortium (including the Agency Services)

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Abstract

Re-UNITA Project's partners agree on the creation of a database of scientific infrastructures to be shared.

The main objective is the creation of a network of shared research infrastructure among UNITA's Universities, providing the researchers a database that includes these cutting-edge infrastructures from the different parties that can be used to improve their research through their use.

The result of this Task 4.1 is an updated database that describe the scientific infrastructures available at each university partner and that may be employed (according to the procedures developed in Task 4.2) by any other partner. This data base will be also useful for the society, since industries or other stakeholders that need to use such equipment will gain the possibility of access to scientific equipment that is often unaffordable for them.

1. Parties

This Database is created by the following parties:

1. **UNIVERSITÉ DE PAU ET DES PAYS DE L'ADOUR (UPPA)**, established in AVENUE DE L'UNIVERSITÉ, BP 576, 64012 PAU Cedex (France).
2. **UNIVERSITÀ DEGLI STUDI DI TORINO (UNITO)**, established in VIA GIUSEPPE VERDI 8, TORINO 10124, Italy.
3. **UNIVERSIDADE DA BEIRA INTERIOR (UBI)**, established in CONVENTO DE SANTO ANTÓNIO, COVILHÃ 6201 001, Portugal.
4. **UNIVERSIDAD DE ZARAGOZA (UNIZAR)**, established in CALLE PEDRO CERBUNA 12, ZARAGOZA 50009, Spain.
5. **UNIVERSITÉ SAVOIE MONT BLANC (USMB)**, established in RUE MARCOZ 27, CHAMBERY 73011, France.
6. **UNIVERSITATEA DE VEST DIN TIMIȘOARA (UVT)**, established in BD VASILE PÂRVAN 4, TIMIȘOARA 300223, Romania.

2. Database

2.1 About the database

- The database consists in a file with relevant information about the available shared infrastructures that will be presented to UNITA researchers through a specific web page: <https://reunitaresearchinfrastructure.i3a.es/>
- The structure of the database will be the one shown. New fields or categories may be included or deleted if all the partners agree to do so.
- Each University is responsible for filling the database file with mandatory fields for each piece of equipment or service to be shared.
- The equipment will be shown in the database web page during the time that it is available to share. The minimum time for sharing is 6 months. Just in case of technical problems, this time can be reduced.
- Each University can delete the equipment from the database if needed informing the leader of WP4 at least 15 days before. Just in case of technical problems, this time can be reduced.
- UNIZAR will be the responsible at first for building and maintaining the database, including hosting and maintenance. The database may be hosted in ReUNITA's web page in the future.

2.2 Structure of the database

- The database included all the Singular equipments, Platform/Labs and Services that every University can offer in order to share them.
- It is possible to search the infrastructure that anyone need taking into account:
 1. Kind of infrastructure
 2. University
 3. Tipology
 4. Application

REUNITA RESEARCH INFRASTRUCTURE
Shared equipment database

Home Equipments Search

KIND OF INFRASTRUCTURE	UNIVERSITY	TIPOLOGY	APPLICATION
SINGULAR EQUIPMENT	ZARAGOZA	ADVANCED DATA / CALCULATION	AGRIFOOD
PLATFORMS / LABS	TORINO	ANIMAL HOUSING	CIRCULAR & BIOECONOMY
SERVICES	SAVOIE MONTBLANC	AUDIOVISUAL / MULTIMEDIA PRODUCTION	CULTURAL HERITAGE
	WEST TIMISOARA	BIOLOGY / GENOMICS / PROTEOMICS	ELECTROMAGNETIC PROPERTIES
	PAU AND PAYS DE L'ADOUR	ELEMENTARY, MOLECULAR AND ISOTOPIC CHARACTERIZATION / SEPARATIVE TECHNIQUES	ENERGY & ENVIRONMENT
	BEIRA INTERIOR	IMAGING / MICROSCOPY	FINANCIAL & BANKING
		MATERIALS / SOLID STATE / NUCLEAR PHYSICS	HEALTH
		MODELING & SIMULATION	MOBILITY & TRANSPORTATION
		SOCIAL & HUMANISTIC SCIENCES	SMART TECHNOLOGIES
		TESTING / METROLOGY PROCESSES	SPACE

Universidad Zaragoza
 UNIVERSITÀ DEGLI STUDI DI TORINO
 UNIVERSITÉ SAVOIE MONT BLANC
 West University of Timisoara
 UNIVERSITÉ PAU ET PAYS DE L'ADOUR
 UNIVERSIDADE BEIRA INTERIOR

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Some examples of the database:







REUNITA RESEARCH INFRASTRUCTURE
Shared equipment database


Home Equipments

Equipments

Kind of infrastructure: Services | University: - Any | Primary typology: Any | Application / Industrial sector: Any

Title *	Kind of infrastructure	University	Primary typology	Application / Industrial sector
GLASS BLOWING SERVICE	Services	Zaragoza (UNIZAR)	Materials / solid state / nuclear physics	Health
PREPARATION OF ROCKS AND HARD MATERIALS SERVICE	Services	Zaragoza (UNIZAR)	Materials / solid state / nuclear physics	Cultural heritage, Energy & environment
Scientific services	Services	Beira Interior (UBI)	Modeling & simulation	Health
Scientific services	Services	Beira Interior (UBI)	Modeling & simulation	Health
Scientific Services	Services	Beira Interior (UBI)	Modeling & simulation	Health

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REUNITA RESEARCH INFRASTRUCTURE
Shared equipment database


Home Equipments

Equipments

Kind of infrastructure: Platform/Lab | University: - Any | Primary typology: - Any | Application / Industrial sector: - Any

Title *	Kind of infrastructure	University	Primary typology	Application / Industrial sector
Advanced Microscopy	Platform/Lab	Timiso (UNIFTI)	Imaging/microscopy	Agriculture Energy & environment, Health
Centre for Molecular & Protein Engineering (CEMI) - Max-MolBio: European Molecular Biology Laboratory	Platform/Lab	Timiso (UNIFTI)	Imaging/microscopy	Agriculture Health
CENTRO DE CARACTERIZACAO	Platform/Lab	West Timisoara (UNVT)	Materials / solid state / nuclear physics	Culture & Bioeconomy, Cultural heritage, Energy & environment
CITIZENSCIENCE SERVICES	Platform/Lab	Zaragoza (UNIZAR)	Materials / solid state / nuclear physics	Health
Genious	Platform/Lab	West Timisoara (UNVT)	Biology / genomics / proteomics	Energy & environment
Genus Institute	Platform/Lab	West Timisoara (UNVT)	Social and Humanistic sciences	Cultural Heritage
Laboratory LARCOMA	Platform/Lab	Zaragoza (UNIZAR)	Biology / genomics / proteomics	Health
MATERIALS ILLUMINATION MICROSCOPY SERVICE	Platform/Lab	Zaragoza (UNIZAR)	Imaging/microscopy	Health
MUSEUM P&S Center	Platform/Lab	West Timisoara (UNVT)	Social and Humanistic sciences	Cultural Heritage
Nucleo-Molecular Research	Platform/Lab	Beira Interior (UBI)	Biology / genomics / proteomics	Health
PHYSICAL MEASUREMENTS SERVICE	Platform/Lab	Zaragoza (UNIZAR)	Materials / solid state / nuclear physics	Health
Savoie Platform	Platform/Lab	Savoie Mont Blanc (USMB)	Advanced Data / simulation	Agriculture, Culture & Bioeconomy, Cultural Heritage
TIC - TIC-OW-Dataconomy	Platform/Lab	Savoie Mont Blanc (USMB)	Imaging/microscopy	Mobility & transportation, Smart technologies, Space
TIC-OW-Dataconomy	Platform/Lab	Savoie Mont Blanc (USMB)	Imaging/microscopy	Electromagnetism, properties, Energy & environment, Finance & banking
Tissue & Surface Characterisation Unit	Platform/Lab	Zaragoza (UNIZAR)	Imaging/microscopy	Health
XRD DIFFRACTION AND FLUORESCENCE ANALYSIS SERVICE	Platform/Lab	Zaragoza (UNIZAR)	Materials / solid state / nuclear physics	Health

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Equipments

Kind of infrastructure
 Singular equipments

University
 - Any -

Primary typology
 - Any -

Application / Industrial sector
 - Any -

Title ^	Kind of infrastructure	University	Primary typology	Application / Industrial sector
3D Metal Printer EOS M 100	Singular equipments	Savoie Mont Blanc (USMB)	Modeling & simulation	Agrifood, Circular & Bioeconomy, Cultural heritage
3D scanner Einscan pro X2 2020	Singular equipments	Savoie Mont Blanc (USMB)	Materials / solid state / nuclear physics	Energy & environment
Analog modelling of ecological deformation and rupture	Singular equipments	Savoie Mont Blanc (USMB)	Materials / solid state / nuclear physics	Energy & environment
ATD GCMS	Singular equipments	Pau and Pays de l'Adour (LPPA)	Imaging/microscopy	Agrifood, Energy & environment
Bioac MP26R	Singular equipments	Beira Interior (UBI)	Advanced data / calculation	Health
Bitalno PsychobIT	Singular equipments	Beira Interior (UBI)	Advanced data / calculation	Health
CESAR	Singular equipments	Zaragoza (UNIZAR)	Advanced data / calculation	Agrifood, Health, Mobility & transportation
Differential Scanning Calorimeters	Singular equipments	Pau and Pays de l'Adour (LPPA)	Materials / solid state / nuclear physics	
EasyTom XL 150 Tomograph	Singular equipments	Savoie Mont Blanc (USMB)	Materials / solid state / nuclear physics	Energy & environment
FORSVER home line Multimedia LED Projector MLP-100	Singular equipments	West Timisoara (IUVT)	Social and Humanistic sciences	Cultural heritage, Smart technologies
Frontier Transform Mass Spectrometer Q Exactive +	Singular equipments	Pau and Pays de l'Adour (LPPA)	Advanced data / calculation	Agrifood, Energy & environment
GPS Eye Tracker	Singular equipments	Beira Interior (UBI)	Advanced data / calculation	Health
Laser ablation - ICPMS	Singular equipments	Pau and Pays de l'Adour (LPPA)	Imaging/microscopy	Agrifood, Energy & environment
Lereser Thinkbook	Singular equipments	West Timisoara (IUVT)	Social and Humanistic sciences	Cultural heritage
Mabern laser granulometer	Singular equipments	Savoie Mont Blanc (USMB)	Materials / solid state / nuclear physics	Energy & environment
Metallographic microscope Zeiss Axiovert 100 HD	Singular equipments	Savoie Mont Blanc (USMB)	Imaging/microscopy	Energy & environment
Multi-collector ICPMS	Singular equipments	Pau and Pays de l'Adour (LPPA)	Imaging/microscopy	
NanoSIMS	Singular equipments	Pau and Pays de l'Adour (LPPA)	Imaging/microscopy	Agrifood, Energy & environment
Panalytical Diffractometer X'pert3 sur poudres D55473	Singular equipments	Savoie Mont Blanc (USMB)	Materials / solid state / nuclear physics	Energy & environment
BMN 400 Hz	Singular equipments	Pau and Pays de l'Adour (LPPA)	Materials / solid state / nuclear physics	
Scanning electron microscope Tescan Easyprobe	Singular equipments	Savoie Mont Blanc (USMB)	Imaging/microscopy	Energy & environment
Scanning electron microscope	Singular equipments	Beira Interior (UBI)	Imaging/microscopy	Energy & environment
Semipreparative-analytical HPLC-MS, UPLC-GDA acapulsion	Singular equipments	Torino (UNITO)	Elementary, molecular and isotopic characterization / separative techniques	Energy & environment, Health, Smart technologies
Thermobalance	Singular equipments	Pau and Pays de l'Adour (LPPA)	Materials / solid state / nuclear physics	Energy & environment
Tobii Pro Fusion screen-based eye-tracker, 120 Hz	Singular equipments	West Timisoara (IUVT)	Social and Humanistic sciences	Health
Tobii Pro Glasses 3 Wireless 50	Singular equipments	West Timisoara (IUVT)	Social and Humanistic sciences	Health
TOF-SIMSMS	Singular equipments	Pau and Pays de l'Adour (LPPA)	Imaging/microscopy	Energy & environment
Transmission electronic microscope	Singular equipments	Beira Interior (UBI)	Imaging/microscopy	Health
Unicom Hybrid Black	Singular equipments	Beira Interior (UBI)	Advanced data / calculation	Health
X ray microtomographies	Singular equipments	Pau and Pays de l'Adour (LPPA)	Imaging/microscopy	
X Rays diffractometer	Singular equipments	Beira Interior (UBI)	Imaging/microscopy	Energy & environment



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3. Duration of the action

The starting date of the action is 1st August 2022 and this Database will be valid and updated till the end of the Re-UNITA project at 31st August 2024.

At the end of the project, the Agreement on the procedure to provide access to scientific equipment could be extended every year if all partners agree with it.