



Interreg

Sudoe

 **TR@NSnet**

European Regional Development Fund



EUROPEAN UNION

What is Tr@nsnet?

A University Living Lab model for the ecological transition

Context: 3 basis assumptions

1. Campuses → interconnected networks, « small cities », test beds
2. University Laboratories → develop demonstrators, prototypes → used as research and innovation media
3. To transform inventions into innovations → private-public link is essential (industrials)

What is Tr@nsnet?

A University Living Lab model for the ecological transition

The solution: Living Labs

Living labs = open innovation ecosystems

- User-centered
- Co-creation in real conditions
- Public-private-people partnership
- Finding answers to specific issues

The objectives

Tr@nsnet aims to develop a University Living Lab model, generic and transferable to companies

- Focus on the ecological transition → mobility, energy, numerical, environment...
- Finalize the model so our Universities can apply as Living Labs to labeling international authorities (after the project)

Funding

Interreg Sudoe V-B 2014-2020



- Cooperation between countries of the South-West Europe (ES, PT, FR)
- October 2020 – March 2023 (30 months)
- Axis 1: Research and innovation
- Strengthen the synergistic and networked functioning of R&D at the transnational level in the specific sectors based on intelligent specialization
- ERDF budget: 1.143.401.89 €

Our partnership



Academic partners → test beds for research
 Foundations → link to the private world

Our associated partners

Spain



France



Portugal



TG1: Demonstrators replication



Objective: to study the processes of adaptation and transfer of a demonstrator from one environment to another



Activity 1.1: Replication of Intelligent lighting devices → Toulouse, Madrid



Activity 1.2: Home automation (IoT) in the Gateway Network building → Toulouse, Madrid, La Rochelle



Activity 1.3: Coupling electrical and thermal power generation → Toulouse, Covilhã, La Rochelle



Activity 1.4: Use of digital technology on campuses, service needs. Shared analysis. → Toulouse, Madrid, La Rochelle

TG2: News demonstrators implementation and capitalisation of experiences

Objective: to design and implement new demonstrators in universities



Activity 2.1: Recycling batteries for solar energy storage → Toulouse, Lisbon



Activity 2.2: Mobility observation → Toulouse, Lisbon, La Rochelle



Activity 2.3: Environmental interactions with human activities → Toulouse, Madrid, La Rochelle



Activity 2.4: Integration of electrical and thermal networks → Madrid, Covilhã, La Rochelle



Activity 2.5: Social interactions, eco-citizens → Toulouse, La Rochelle

TG3: Design of a University Living Lab model

Objective: to complement the work of TG1 and TG2 with new research and fieldwork activities/tasks to create a new Living Lab model



Activity 3.1: Framework analysis aiming at fostering innovation in Living Lab conditions → All partners except Funseam, CTA



Activity 3.2: Study of complementary approaches to validate Living Labs → Madrid, Covilhã, La Rochelle, Funseam, CIRCE, CTA



Activity 3.3: Application of the methodologies to private Living Labs: Excellence Centers Network → Madrid, CIRCE, CTA



Activity 3.4: Development of a generic transferable LLU model → Toulouse, Madrid, La Rochelle, Funseam, CIRCE, CTA

Transversal Tasks Groups

TTG 1: Project Management

- Coordination
- Political and technical decision-making
- Internal communication
- Reports

TTG 2: Communication

- External communication
- Website
www.transnet-sudoe.eu
- Final event

TTG 3: Monitoring-Evaluation

- Action plan
- Audit
- Risks matrix

Key Exploitable Results

Main deliverables & Results :

- Reports on replications, portability and operational demonstrators + survey results
- Reports on the development of demonstrators and operational demonstrators and associated survey results
- Reports, Mapping and Inventories, Roadmap, White Paper

Final product: Generic and transferable academic Living Lab model

For the partners: access to the demonstrators even after the end of the project