

# CONCEPT FACTSHEET

## LEARNERS

State of Art, March 2021

### The aim of the concept factsheet

The aim of the concept factsheet is to provide the joint glossary on different terms, definitions and approaches used in E<sup>3</sup>UDRES<sup>2</sup> project, which is adapted to different stakeholders groups. During the project, we will provide three revisions of these factsheets in order to present the most current definitions in line with ongoing co-ideation and co-creation project activities.

### Learners

We will approach a broad variety of learners in the project. Learners will be involved in the I-living labs, but are also consulted in the future-casting of the next European University. Learners will also be active in hackathons and Citizen Science.

### Activities & Milestones

E<sup>3</sup>UDRES<sup>2</sup> establishes I-Living Labs for future universities and smart and sustainable regions. These living labs provide human-centred learning, research and open innovation environments that help gain and train future skills and co-create solutions to relevant challenges.

- E<sup>3</sup>UDRES<sup>2</sup> learners will be autonomous learners, first engaging themselves in COIL (collaborative, online, international learning linking accredited courses from different higher education institutes located in different countries) challenge-based classes through online learning platforms and MOOCs or through physical international student weeks.
- E<sup>3</sup>UDRES<sup>2</sup> learners will be active European citizens sharing their learning through European platforms such as School education Gateway, Epale, OpenUpEducation, inviting learners from other HEIs to participate in their international weeks and transferring their future-proof, challenge-based approaches to other regions through Erasmus+mobility, participating in digital platforms outside the consortium.
- E<sup>3</sup>UDRES<sup>2</sup> learners will be lifelong learners attending future career coaching sessions, connecting to various stakeholders linked to regional innovation ecosystems and reflecting upon their strengths and needs.

### Partners

- St. Pölten University of Applied Sciences  
*Austria*
- Polytechnic Institute of Setúbal  
*Portugal*
- Hungarian University of Agriculture and Life Sciences  
*Hungary*
- UAS UC Leuven-Limburg  
*Belgium*
- Politehnica University Timișoara  
*Romania*
- Vidzeme University of Applied Sciences  
*Latvia*



## European University

It is an initiative from the European Commission to create the best possible future university model that Europe can offer in higher education.

## E<sup>3</sup>UDRES<sup>2</sup>

Engaged and Entrepreneurial European University as Driver for European Smart Sustainable Regions

E<sup>3</sup>UDRES<sup>2</sup> is committed to challenge-based education, mission oriented-research and human-centered research as well as open and engaged knowledge exchange as interrelated core areas. The members will co-ideate new concepts and approaches, co-create new knowledge, provide good practice and share experience on their sound integration within I-Living-Labs for future universities in smart and sustainable regions.

## Keywords

<b>Engaged University</b>	Multidirectional information exchange and involvement of different stakeholders at all levels.
<b>Entrepreneurial University</b>	User-centered, open-innovation ecosystems, operating in a territorial context, integrating concurrent research and innovation processes within a public-private-people partnership. The concept is based on a systematic user co-creation approach integrating research and innovation processes in real-life use cases. User communities are not integrated as observed subjects only but also collaborate as a source of creation. The "I" stands for inspiring, innovative, intercultural, international, interdisciplinary, intersectoral, inclusive and intense.
<b>I-Living Labs</b>	Groups of researchers, regional stakeholders, students and citizens from all alliance institutions and regions who collaborate in mission-oriented and human-centered research projects, based on regional challenges, and co-create innovation ecosystems that pave the way towards smart and sustainable regions in the areas of Circular Economy, Well-being & Ageing and Human Contribution to Artificial Intelligence Society.
<b>Future casting</b>	Design research methods that integrate the following main steps: (i) co-ideation & co-creation for generation of innovative ideas; (ii) exploration to select and elaborate potential E3UDRES2 scenarios, together with stakeholders and user communities; (iii) experimentation to develop prototypes and test those scenarios; and (iii) <i>evaluation</i> and recommendation for implementation or re-design.
<b>Future sighting (foresight)</b>	The ability to plan for the future. It is a mix of mindset and methodology: a view of the future and the practice of looking forward. Foresight acknowledges that the future is ambiguous and aims to prepare decision-makers for how the future may change.
<b>Future Training</b>	Work with international digital platforms, living labs orchestrators, future workshops and future casting, design thinking and user-centred design, citizen science, science engagement and open science, lean start-ups, business model canvas, science value proposition canvas, products with minimal viability, resonating innovation cycles.
<b>Smart Regions</b>	The "smartness" of a region relates to its capacity to leverage its human, structural, and relational capital, and its ability to integrate diverse actors in the region's innovation practice (Markkulla & Kune, 2015).
<b>Sustainable Regions</b>	The United Nations World Commission on Environment and Development (WECD, 1987) coined a definition of sustainable development, which is probably the most well-known in all of sustainability literature: "development that meets the needs of the present without compromising the ability of future generations to meet their own needs" (Jovovic et al., 2017 p.256).

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## RESEARCHERS

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### I-Research Networks

Groups of researchers, regional stakeholders, students and citizens from all alliance institutions and regions who collaborate in mission-oriented and human-centered research projects, based on regional challenges, and co-create innovation ecosystems that pave the way towards smart and sustainable regions in the areas of *Circular Economy*, *Well-being & Ageing* and *Human Contribution to Artificial Intelligence Society*.

### Citizen Science

E<sup>3</sup>UDRES<sup>2</sup> researchers develop meaningful projects together with citizens. They adopt and implement tools and strategies that enable extracting meaningful contributions from engagement with "citizen scientists", whose possible contributions range from help formulating research questions and reporting observation to carrying out measurements, gathering and evaluating data and/or writing publications. These projects take advantage of the widespread digital technologies and devices and will offer a strong value proposition to both citizens and researchers.

### Resonating Innovation Cycles

Design research methods that integrate the following main steps: (i) *co-ideation & co-creation* for generation of innovative ideas; (ii) *exploration* to select and elaborate potential E<sup>3</sup>UDRES<sup>2</sup> scenarios, together with stakeholders and user communities; (iii) *experimentation* to develop prototypes and test those scenarios; and (iii) *evaluation* and recommendation for implementation or re-design.

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## Activities & Milestones

- Establishing I-R&Di networks;
- Physical collaboration: meetings, workshops, networking events;
- Using agile management methods.

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Engaged and Entrepreneurial European University as Driver for European Smart Sustainable Regions

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## Keywords

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## INNOVATORS & ENTREPRENEURS

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### Why to be involved as innovators and entrepreneurs

- Contribute to the vision of future university and its role in human centred innovations
- Contribute to the development of smart and sustainable regions
- Be part of science engagement and open science
- Interact and collaborate with relevant stakeholders of (regional) innovation ecosystems, including coordinators of tech-transfers offices, regionally anchored (pre-) incubator and accelerator programmes, SMEs, regional/national leading companies, global ventures, learners, educators, researchers, that share and pool their knowledge and ideas.

### Who is the innovator and entrepreneur in European University

- Experts that foster or experts to be that participates in I-cubator, which is a specific programme for innovation and entrepreneurship to promote regionally anchored and internationally connected innovation ecosystems "E3UDRES2 Innovators and Entrepreneurs Programme"
- Train or being trained in living labs, citizen science; cooperate in future workshops, foster design thinking, promote and participate in bootcamps and hackatons.
- Facilitates and promotes shift to vibrant I-culture. The "I" stands for inspiring, innovative, intercultural, international, interdisciplinary, cross-sectoral, inclusive and intense.
- Uses agile management methods.

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