

Living labs as an approach towards sustainable food systems in the city region

Ine Pertry 02.06.2022 Gateway to Europe – Agrofood edition

Cities2030 – Co-creating resilient and sustainable food systems towards FOOD2030

MISSION

To work towards the transformation & restructuring of the way city regions produce, transport, supply, recycle and reuse food in the 21st century



Secure healthy and sustainable food



Stop food poverty and insecurity



Protect and preserve natural resources



Enhance circularity and local food belts



Develop food culture and skills

& VISION

To achieve this by:

connecting cities and regions, consumers, industry partners, civil society, research institutions and;

encourage active participation of all stakeholders within the city region food system

Why living labs?

Why living labs?

- Applicable on policy level, as technologies as social, as culture, as scientific approaches
- Improvements and innovations developed address the needs of the target group
- Implementation is promoted
- Drive systemic transformation into City Region Food Systems
- A platform for life long learning

What are living labs?

Living lab Definition (cfr. ENOLL)

user-centred, open innovation ecosystems based on
systematic user co-creation approach,
integrating research and innovation processes in real life communities and settings.

Living lab Definition (cfr. ENOLL)

both practice-driven organisations that facilitate and foster open, collaborative innovation,

as well as real-life environments or arenas where both open innovation and user innovation processes can be studied and subject to experiments and where new solutions are developed.

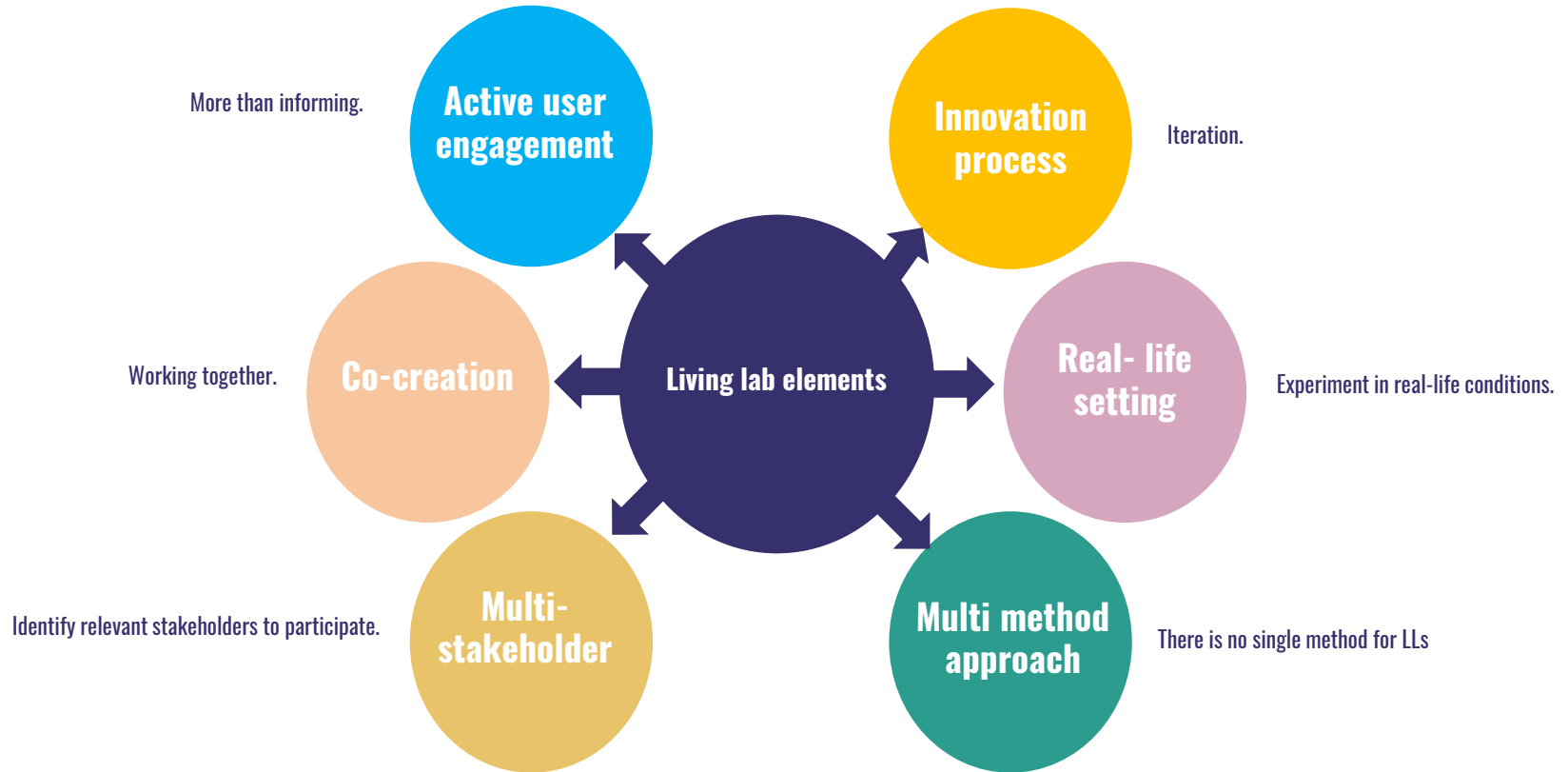
Living lab Definition (cfr. ENOLL)

operate as intermediaries

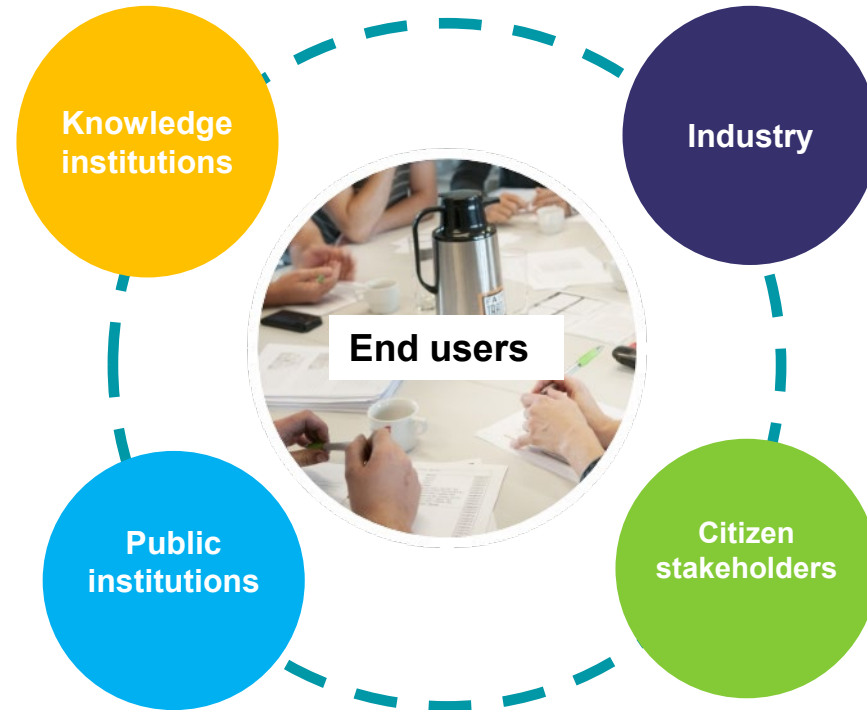
among citizens, research organisations, companies, cities and regions, policy makers and authorities

for joint value co-creation, rapid prototyping or validation to scale up innovation and businesses.

How to living lab?

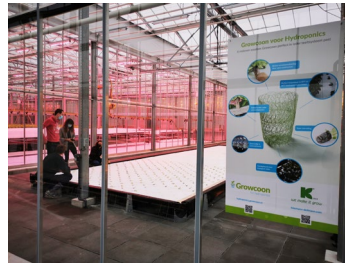
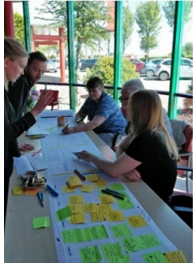


CO-CREATE TO INNOVATE





Iterative process



Explore



Test



**Validate &
demonstrate**

Output:
development,
reorientation,
new
opportunities

Living lab examples from Cities2030



Agrotopia Living Lab

In the Agrotopia Living Lab, Inagro works on innovation pathways, from ideas to co-creative validation in a practice-oriented research environment.



Arganda Lab

The main objective of Arganda living lab is related to their food processing industry. It is intended to advance in a process of digitalization of the industry that integrates data brokering solutions for monitoring working conditions, as well as providing transparency to the food supply chain.



Bremerhaven

The lab is interested in monitoring the promotion and users' opinion of the local products, but also, they need generic statistical data to decide the most suitable promotion policies to be implemented.



Bruges

Connected to the rural context Existing Foodlab with proven track record, Quadruple helix partnerships. Catering facility for local elderly population as well as for tourism.



Food for Iasi Living Lab

Food for Iasi Living Lab is designed as an innovative collaborative hub whose main purpose is to connect actors and agents in the urban food system of Iasi in order to identify the most important problems of the system and find innovative solutions to solve these problems and to develop sustainable local development.



Haarlem

As part of the implementation strategy for this program, several living labs have been created to test new concepts in a practical urban setting.



Muğla CRFS Lab

Muğla CRFS Labs connects with organic aquaculture, microalgae, microalgae-assisted integrated multi-trophic aquaculture to deliver healthy, sustainable, nutritious and culturally appropriate food, especially to the schooling sphere.



Murska Sobota

GREEN POINT living lab acts in the area of Short Food Supply Chain (SFSC), based on fully deployed and functional SFSC called Green Point, located in Pomurje region (Slovenia).



Pollica Paideia Campus - FFI

"Pollica 2050 - Mediterranean Living," which focuses on the Mediterranean Diet as a model of Integral Ecological Regeneration, is a strategic project designed to enhance dormant resources.



Quart de Poblet

The main objective of Quart de Poblet lab is to increase the national and international promotion and relevance of Valencia's ecological agriculture and local commerce.



Vejle Denmark

The Food lab in Vejle is promoted by Culinary Institute, which is an existing platform to connect innovators and stakeholders in Food and Gastronomy.



Velika Gorica

Development of an efficient nutrition system of the City based on connecting consumers, strategic partners, civil society participants (existing and start-up companies), innovators and leading universities.



Vicenza

Vicenza has the ambition to become a "lab for future food", namely, the point of reference for innovative, pioneering, sustainable and resilient ideas to progressively improve the urban and regional food system



Vidzeme

Latvian pilot will tackle the existing challenges in the REGIONAL FOOD SUPPLY SYSTEM in the territory of the Vidzeme Planning Region.

THE ARGANDA LIVING LAB (Spain)

To advance digitization of the food processing industry that integrates data brokeraging solutions for monitoring working conditions as well as providing transparency to the food chain



EXAMPLE – Food Proces Automation in Industry 4.0



THE SEINÄJOKI LIVING LAB (Finland)

To promote good nutrition and healthy life styles

Living Lab : Healthy Snacks

The activities aim to promote the **health and well-being of children and young people**.
The pilot's target group is children and their stakeholders (families, schools, kindergartens, hobby clubs, etc.)

TOPICS:

- A healthier kiosk pilot
- Multidisciplinary cooperation

ACTIONS:

1. Expanding the kiosk offering, testing for new healthy snacks
2. Prunttimäki pop-up container café
3. Scaling up to all sports clubs in Seinäjoki

GOALS:

- Supporting children well-being & boosting healthier snacks --> food education, role of sports clubs
- The sport events organized by local clubs would also always be “known to the whole of Finland”, that they have something extra, added value for children from the point of view of new products, health, nutrition, and through business associations.



THE AGROTOPIA LIVING LAB (Belgium)

An inspiring environment for innovative greenhouse horticulture and professional urban farming



European
Network of
Living Labs
Adherent Member



MISSION

To improve and develop **new greenhouse and professional urban farming technologies**.

To work on **innovation pathways**, from ideas to co-creative validation in a practice-oriented research environment.

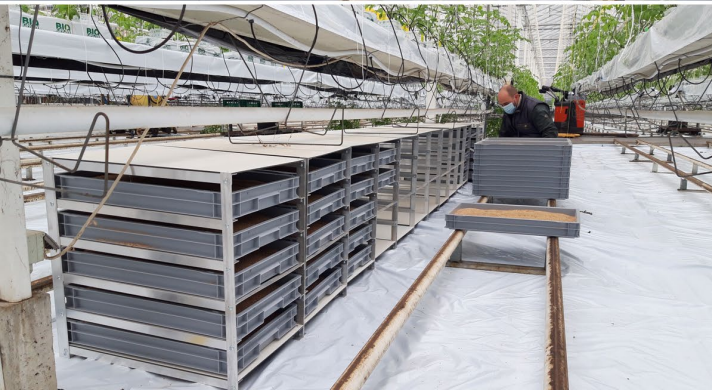
& VISION

We do this by:

- Actively involving growers & stakeholders in the innovation process
- Involvement of our multidisciplinary team



EXAMPLE - ENTOMOPONICS





Università
Ca' Foscari
Venezia



GROEP
BRUGGE
STAD - POLITIE - OCMW



inagro



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THANK YOU

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