



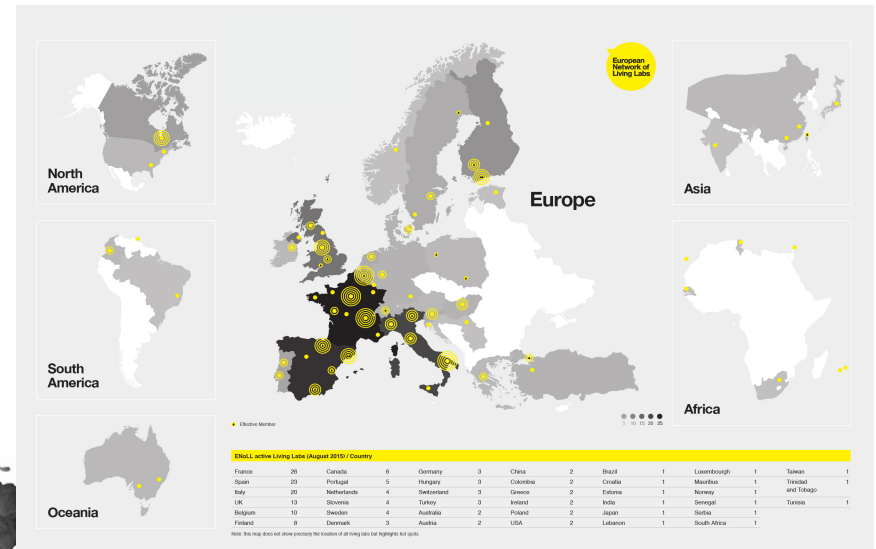
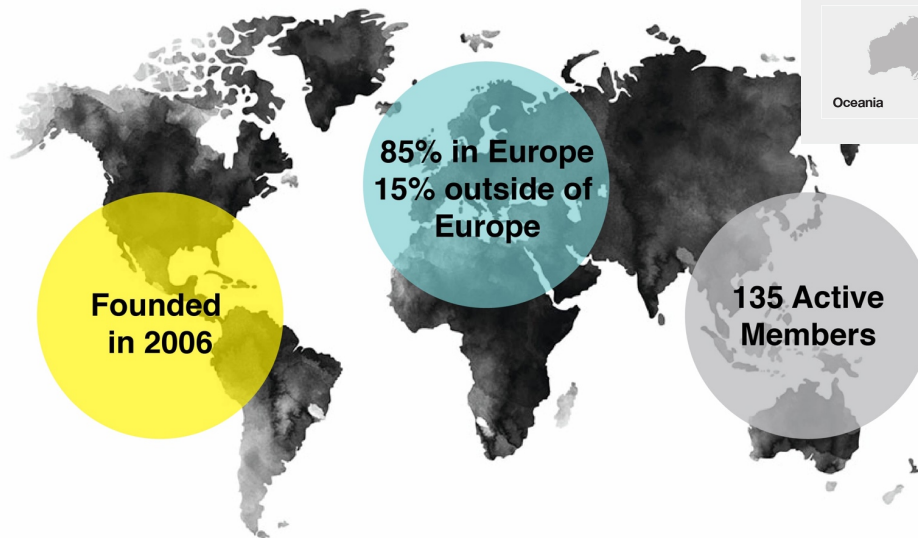
# **European Network of Living Labs**

A global and open community  
empowering innovation

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# What is ENoLL?

The European Network of Living Labs (ENoLL) is an international non-profit association which aims to promote and enhance user-driven innovation ecosystems, more precisely the Living Labs concept globally.



# What are Living Labs?

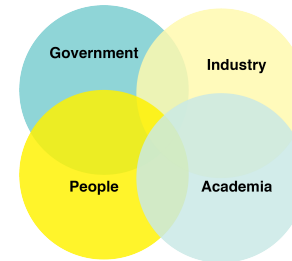
Living Labs are **open innovation ecosystems in real-life environments** based on a systematic user co-creation approach that integrates research and innovation activities in communities, **placing citizens at the centre of innovation.**



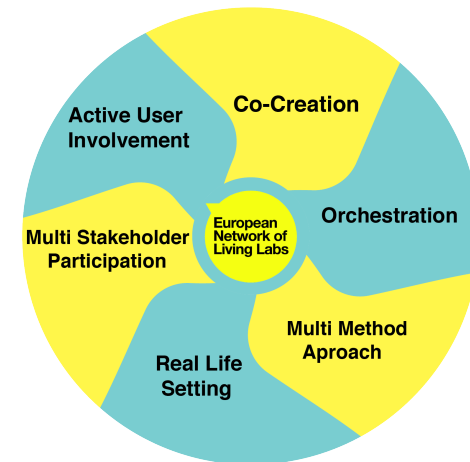
# Open and User-centred Ecosystems

**Living Labs operate as intermediaries** among citizens, research organisations, companies, and government agencies or levels **for joint-value co-creation, rapid prototyping or to scale up innovation and businesses.**

Living Labs have common elements but multiple implementations.



**Quadruple Helix of Engagement**



**Common elements**

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# 3-layered approach to a living lab

level	definition	research paradigm
macro	Living Lab constellation consisting of organized stakeholders (PPP-partnership)	Open Innovation: knowledge transfers between organizations
meso	Living Lab innovation project with Living Lab methodology	Open & User Innovation: real-life experimentation, active user involvement, multi-method and multi-stakeholder
micro	individual research steps and activities, linked to the stakeholders' assets and capabilities	User Innovation: user involvement & contribution for innovation

A living lab focusses on a well structured **organisation** on the macro level, with living lab **projects** in the meso level, consisting of co-created **activities** in the micro level

# PA4ALL

**SISCODE**



## CHALLENGE

**TO DISCOVER NEW WAYS OF SUPPORTING AND INCREASING THE  
USE OF IT IN THE AGRICULTURAL FIELD**

## PA4ALL

BioSense Institute is a public research and development institution which cross-fertilizes two most promising sectors in Serbia but also globally: ICT and agriculture. Multidisciplinary research is performed in the fields of micro and nano-electronics, communications, signal processing, remote sensing, big data and artificial intelligence, robotics and biosystems, with a common goal to support the development of sustainable agriculture. The Institute founded and hosts one of the first European Living Lab focused on Precision Agriculture – PA4ALL, an open innovation ecosystem that promotes the development of user-driven precision agriculture.

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# ILVO Flanders

**ILVO** Living Lab Agrifood Technology

Over Aanpak Expertise Verhalen Contact Innoveer mee!

## SAMEN OPTIMALISEREN WE JOUW AGRO-VOEDINGSPROCESSEN

Het Living Lab Agrifood Technology **optimaliseert** processen van veld tot vork. Dit doen we door **land- en tuinbouwers, loonwerkers, technologiebedrijven, voedingsproducenten en wetenschappelijke experts** bij elkaar te brengen om samen **duurzame technologie** te ontwikkelen, in de **praktijk te testen** en te **evalueren**. Hierbij werken we in een praktijkomgeving met de nodige **infrastructuur en expertise**. Daarnaast spelen we de *state of the art* kennis in **klare taal** door naar de sector via **adviezen, workshops, studiedagen en demonstraties**.

U heeft een specifieke vraag rond precisielandbouw?

Stel hier uw vraag

### Onze focus en expertise



### Denk, ontwikkel en test mee



Het living lab is er voor en door u. Heeft u een vraag rond precisietechnologie, een idee of interesse?



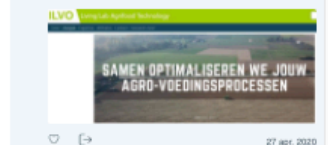
Door ons te volgen op social media en door uw kennis over het LLPA&F te vertellen, helpt u ons om meer



Blijf op de hoogte van het laatste nieuws rond precisietechnologie in de agro-

### Tweets door @LLAgrifoodTech

**ILVO** @LLAgrifoodTech  
Neem zeker een kijkje op de nieuwe website van ons living lab!  
[agrifoodtechnology.be](https://agrifoodtechnology.be)  
#smartfarming #agrofood40 @openlivinglabs



**ILVO** @LLAgrifoodTech  
Nieuwe Treffler wiedege afregelen en eerste keer uittesten op Instituut voor Landbouw, Visserij- en Voedingsonderzoek (ILVO) perceel. Met respect voor elkaar  
#smartfarming [lnkd.in/g68XuDK](https://lnkd.in/g68XuDK)

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# E2L (Earth Observation Living Labs)



The Cooperative ▾

Projects

News

Contact Us

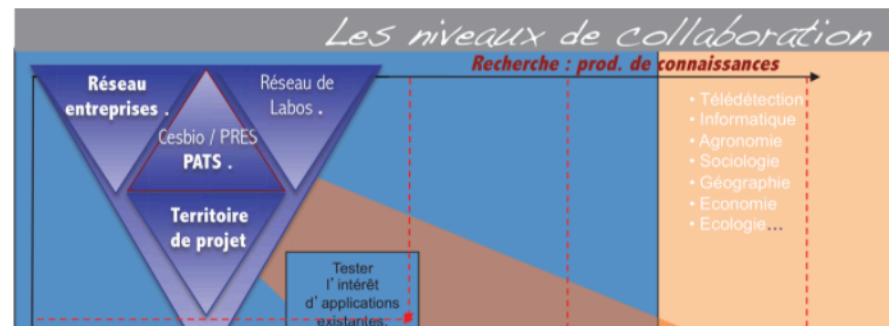
English ▾

## TERRITORIAL CO-INNOVATION AND ITS CHALLENGES IN THE FACE OF CLIMATE CHANGE

Home / The cooperative / Territorial co-innovation and its challenges in the face of climate change

Step 1: The collaboration between laboratory and territory project

**Include innovation in the territory's sustainable development strategy.**



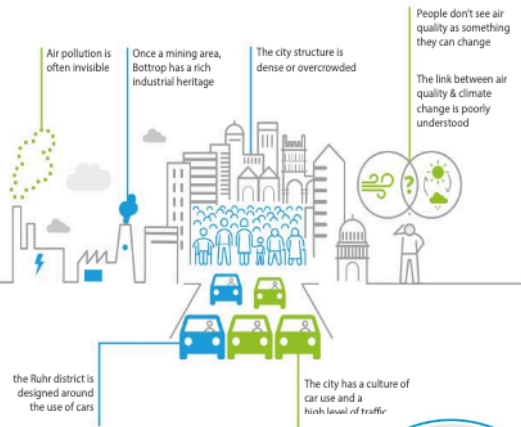
# iScape Living Labs (Bottrop)



## The Urban Challenges

### What are the challenges in the city?

Urban Environment  
Citizen Perception

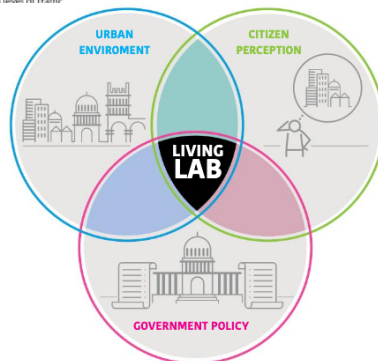


## The Living Lab Journey

Bottrop Living Lab, hosted by TU Dortmund University (TUDO), aimed at increasing citizens' awareness on how green cities can improve air quality, reduce air pollution and at the same time improve the city's attractiveness. They believed in empowering citizens to generate ideas and come up with solutions that tackle these challenges and make their city greener. Having a first-hand experience with the urban green helps in developing personal connections, positive experiences and even emotional ties with nature. In time, this can lead to an increased sense of responsibility and engagement of people with the natural environment.

## The Intervention

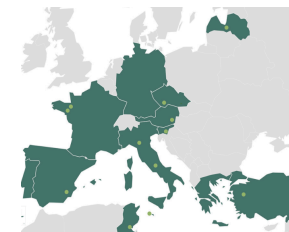
The Living Lab intervention in Bottrop focused on mobile green elements for improving the microclimate of public squares from a governance perspective. The temporary greening of inner-city streets with mobile trees was intended to demonstrate citizens on-site the advantages of street trees for urban climate and air quality, but also for the quality of their stay. "Wandering Trees" were used for active citizen involvement as a vehicle to increase the citizens' awareness of air pollution in the city and raise their acceptance of urban green. "Wandering Trees" helped in motivating citizens to take part in creating the city's future.



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# Liverur.eu (H2020)



[Home](#) [Project](#) [Scientific Outputs](#) [Pilot Regions](#) [Partners](#) [Agenda](#) [Blog](#) [Q](#)



## Our project

The **LIVERUR project** identifies Living Labs as innovative business models that are currently being developed in rural areas, and will conduct socio-economic analyzes to identify, describe and compare the differences between the new approach of Living Lab and more entrepreneurial traditional approaches (mass production, development of prices, optimizing cost structures with companies, rationalization).

[LEARN MORE](#)



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# More information about living labs

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- Introducing ENoLL and its Living Lab community:  
<https://issuu.com/enoll/docs/enoll-print>
- Living lab services for business support and internationalisation:  
[https://issuu.com/enoll/docs/living\\_lab\\_services\\_for\\_business\\_su](https://issuu.com/enoll/docs/living_lab_services_for_business_su)
- U4IoT Living Lab Methodology Handbook:  
<https://issuu.com/enoll/docs/366265932-u4iot-livinglabmethodology-handbook>
- Citizen driven innovation: a guidebook for mayors and Public Administration's:  
[https://issuu.com/enoll/docs/citizen\\_driven\\_innovation\\_full\\_4](https://issuu.com/enoll/docs/citizen_driven_innovation_full_4)
- iScape Living Lab Guidebook for cities fighting against air pollution:  
[https://issuu.com/enoll/docs/iscape\\_guidebook\\_digital](https://issuu.com/enoll/docs/iscape_guidebook_digital)

# ENoLL Value proposition

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Working with/for  
Living Labs

Innovation  
partners & beneficiaries

**Action Oriented Task Forces**

Living Labs

Light engagement > The first step  
Adherent membership

Full engagement > Towards full maturity  
Effective membership

**Certification & Labelling**

Interest in  
developing Living  
Lab projects

ENoLL Learning Lab  
(Digital and face-to-face  
coaching, local workshops)

**Capacity Building Program**

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# "Let's Tackle the COVID-19 Together"

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ENoLL community is actively working on the challenges that the COVID-19 crisis has brought to us. Our aim now, as it is for many others, is to react in an agile way and prepare our cities and communities now for the new societal changes that will take place in Europe and the World.

- **05/5/20 13:00h CET** — “Hackathons of technology for good: Co-creating and deploying during COVID-19 crisis” [REGISTER to ATTEND](#)
- **19/5/20 13:00h CET** — “Government and citizen engagement in COVID-19 confinement and beyond” [REGISTER to ATTEND](#)
- **02/6/20 13:00h CET** — “Communities innovating around the health systems: the reaction to the COVID-19 emergency and what will remain” [REGISTER to ATTEND](#)
- **16/6/20 13:00h CET** — “How the COVID-19 has changed our Universities for good” [REGISTER to ATTEND](#)
- **30/6/20 13:00h CET** — “Rural development, nature and tourism: impact of COVID-19 and new approaches” [REGISTER to ATTEND](#)
- **14/7/20 13:00h CET** — “SMEs in Europe and Open Innovation for the post COVID-19 digital society” [REGISTER to ATTEND](#)

# Action Oriented Task Forces



Open Innovation &  
Digital Rights



Social Impact of AI



Health &  
Well-being



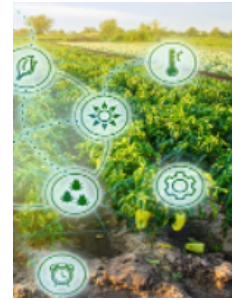
Rural  
Living Labs



Energy &  
Environment

Currently, 5 pillars are defined to further enhance peer to peer collaborations, knowledge exchange & project building.

# Rural Living Labs



## Objectives:

- consolidate a critical mass of stakeholders around strategic projects in the topic of Rural Living Labs.
- jointly tackle in an efficient way the main challenges, namely: *depopulation, sustainability, rural tourism, Smart Agrifood and SME's digitalization.*

## Areas of work:

- Enabling end users: *Living Labs for digital and entrepreneurial capacitation & ICT applied in rural areas*
- Precision agriculture: *meeting the increasing demand for food, feed & raw materials while ensuring the sustainability of primary production based on a more precise & resource-efficient approach to agriculture production*
- Smart farming: *exchanging knowledge among farmers, farm advisers & scientists to foster the uptake of smart farming solutions that increase productivity & quality in organic cropping in rural areas*
- Digital Innovation Hub in the Agrifood sector: *understand the opportunities from digital technologies to overcome the sectorial challenges*
- Circular & sustainable bio economy: *development of living labs to explore & tackle the challenge of capturing the social, economical & environmental values of this economic model*

## "Let's change the message:

we're no longer talking about bringing opportunities to the rural areas but to  
**visualize the rural areas as an opportunity"**



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Koen Vervoort  
Network Builder  
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# Thank you!

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