



**European
Network of
Living Labs**

Empower everyone to innovate

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What are Living Labs?

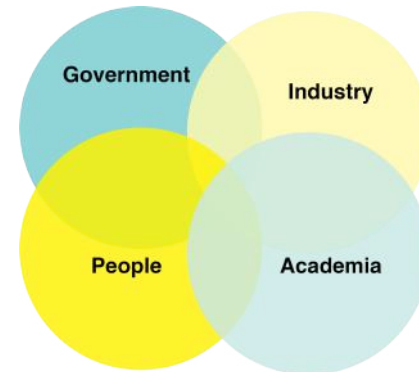
Living Labs are **open innovation ecosystems in real-life environments** based on a systematic user co-creation approach that integrates research and innovation activities in communities, **placing citizens at the centre of innovation.**



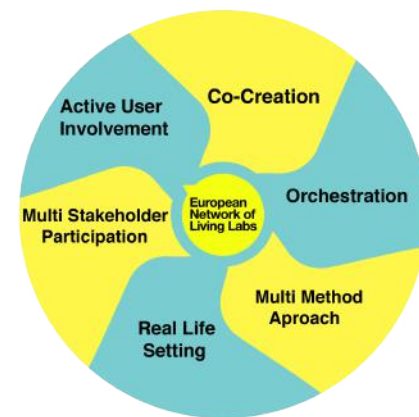
Open and User-centred Ecosystems

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.



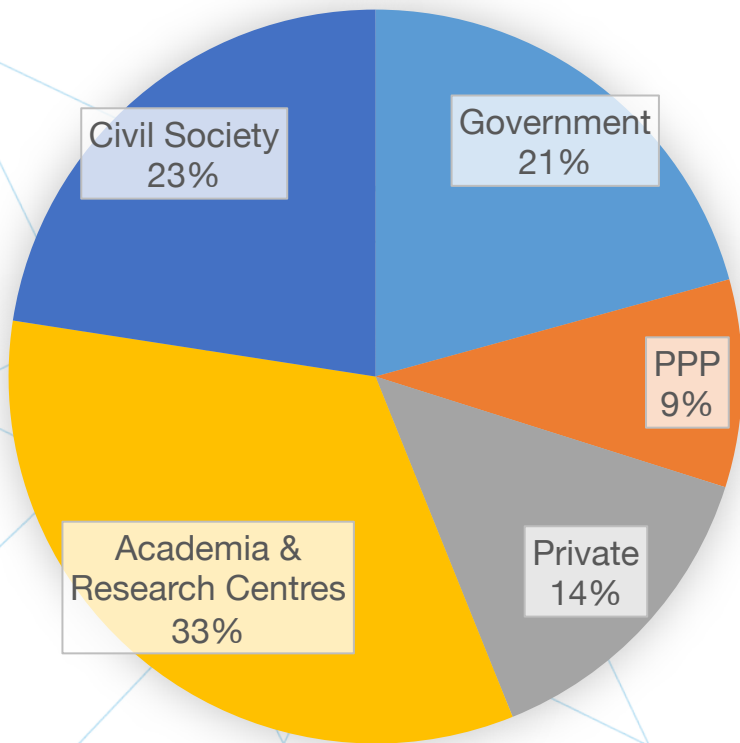
Quadruple Helix of Engagement



Common elements

Membership by Host Organisation

(data sample from 2018)

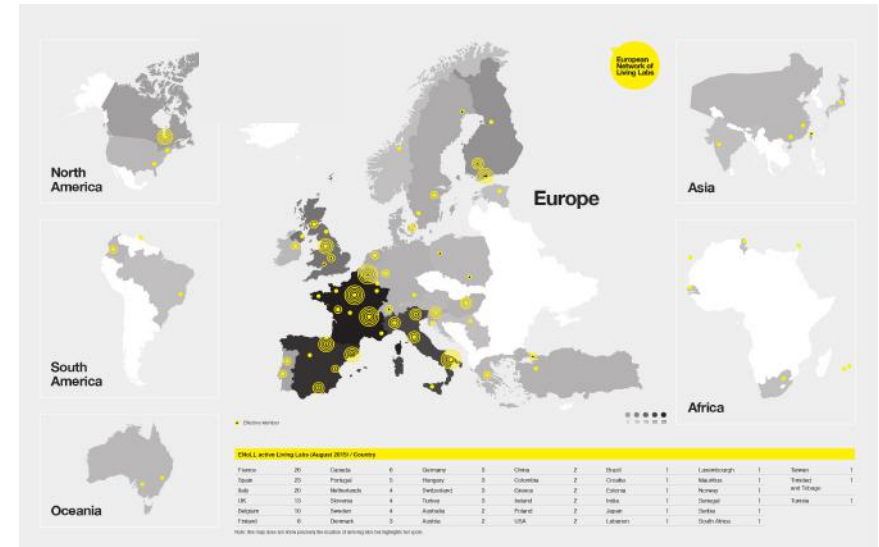


- Government: Specialised agencies, municipalities and other local authorities, regional authorities
- Public & Private Partnership (PPP): projects or institutions of mixed management and responsibility
- Private: organisations with a direct for-profit objective, mainly SMEs
- Academia & Research Centres: Universities, other higher education institutions, and fully research oriented organisations
- Civil Society: non-profit organisations whose main activity is not research oriented

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.

ENoLL focuses on facilitating knowledge exchange, joint actions and project partnerships among its historically labelled 450+ members, **influencing EU policies, promoting living labs** and **enabling their implementation** worldwide.



European
Network of
Living Labs

Transnational Experimentations

founded in
2006

150
active members

80% in Europe
20% Outside

KWMC
KAWAII WIND POWER CENTRE

l'écot

imec

TAMPERE UNIVERSITY
OF APPLIED SCIENCES

FORUM
VIRIUM
HELSINKI



LAUREA

e'livinglab

BOTNIA

PSNC

WeLL

energy living lab

Haaga-Helia

energy
living
lab

City Lab of
Coventry

bcnlab

Brainport

BASAKSEHIR
LIVING
LAB
ISTANBUL

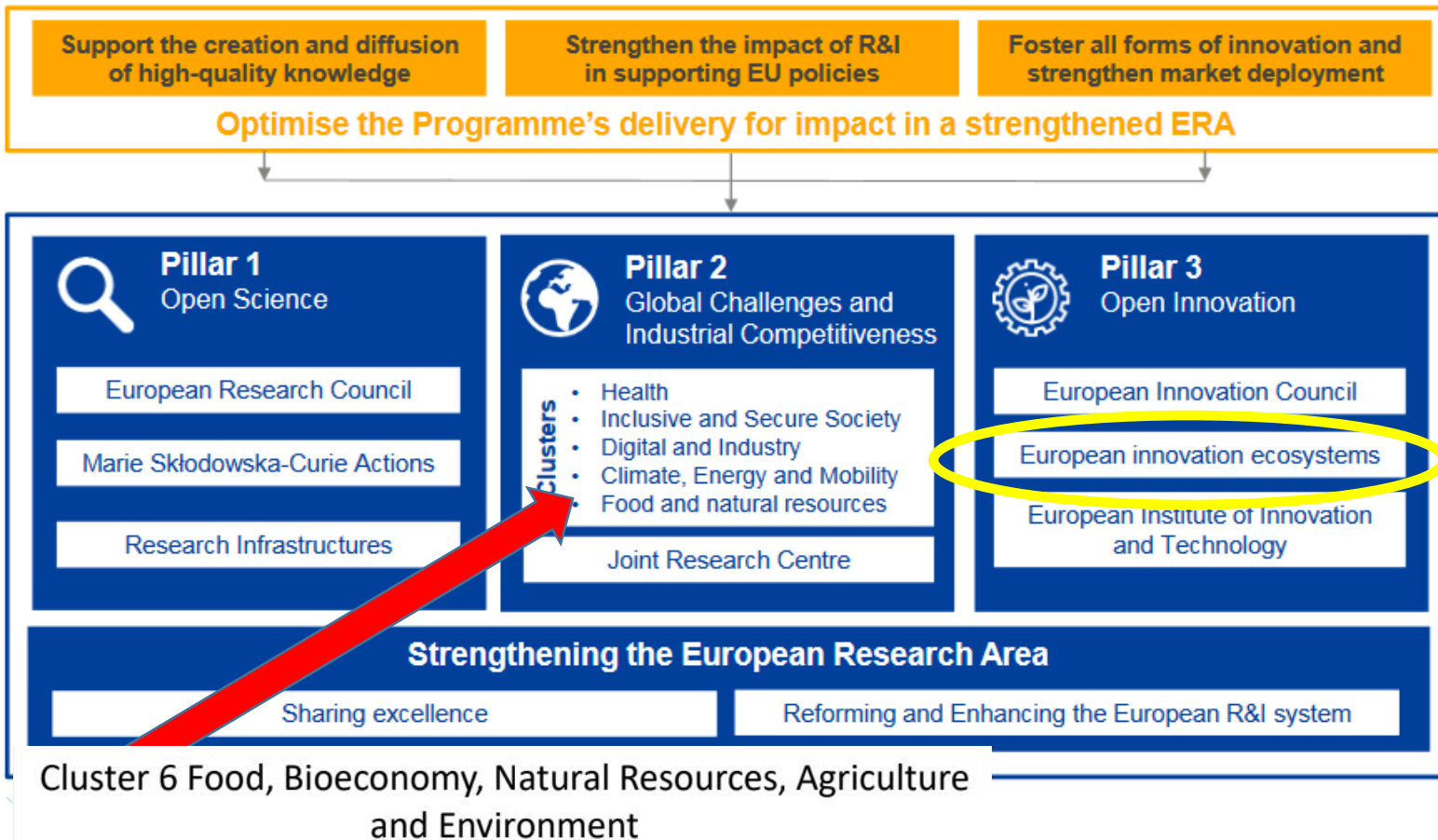
energy
living
lab



Living Labs in Horizon Europe

FNR-01-2020_AGROECOLLNET_Strengthening the European agro-ecological research and innovation ecosystem

Specific objectives of the Programme



ENoLL Value proposition

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)

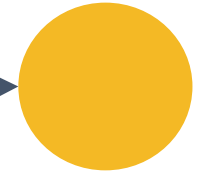
Capacity Building Program

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

A path to grow



The ENoLL Capacity Building Program

Early stage mentoring plan
The ENoLL Capacity Building Program provides a tailor-made mentoring plan specific to your organisation, needs and expertise.

Living Lab Expert support
Your members are identified from a pool of Living Lab experts from the ENoLL network, with long-standing experience in the field of Living Labs and specific areas of expertise.

Training & Mentoring offers

- Online/Presentational mentoring meetings (on a recurring basis)
- One-day lab visits Face-to-face training (theory + practical work). Train-the-trainers approach.
- Site visit mentoring (a one-time visit on site)
- Supporting resources materials.

Accelerating your learning curve & recommendations

ENoLL Learning Lab

- Recurring mentoring meetings**
- Face-to-face Training**
Tailored lectures & workshops
- E-courses**
Complementary learning materials
- Site visit**
Mentoring meeting on site

European Network of Living Labs



European Network of Living Labs

ENoLL Membership Application Guidelines

Wave 2020 (14th)



Labelling & certification



Open 24/7

ENoLL Membership Application Guidelines

ENoLL Wave 2020 Membership Application

We kindly invite you to read the following pages carefully before filling out your application form.

The ENoLL call for new membership targets **operational living lab structures and innovation ecosystems** implementing a living lab approach.

The application cost

The costs for this application are €300 (three hundred euros) (ex. VAT).

The application process

All applications are processed within **3 application blocks** over the duration of the whole year, therefore you can submit your application form at any time but there will be only 3 periods of decision about your acceptance/rejection:

- Application block 1: All applications **submitted before February 15** will receive the outcome of their application process by April 1st
- Application block 2: All applications **submitted between February 16 and May 15** will receive the outcome of their application process by July 1st
- Application block 3: All applications **submitted between May 16 and October 15** will receive the outcome of their application process by January 1st (2021)

All applications **submitted after October 15** will receive the outcome of their application process by April 1 2021 (cf. application block 1 of next year)

All applications are **blindly reviewed** by 3 individual experts of our network.

The **evaluation process uses a 3-layered approach regarding 15 criteria** for the evaluation of your applications in order to make these assessments as correctly as possible. The weight of the different criteria is based on the minimal viable building blocks of a living lab as defined by ENoLL.

19002 Evaluation Report.pdf

will have their scores signalled next to them. The score range is 0 (no evidence or no activity) – 5 (comprehensive evidence)

In order to be accepted as a member of the ENoLL network through this evaluation processes, following acceptance conditions are applied:

- An overall score above 50% (15/30)
- Max. 1 chapter with a score <50%
- At least 2 out of 3 evaluators which scores the application above 50%
- At least 11 out of 21 criteria with a score above 60%

Overall Score: Pass



Wave 2020 (14th)

European Network of Living Labs

Capacity Building Program

ACCELERATING THE
LEARNING CURVE TO
**TRANSFORM YOUR
ORGANISATION**
THROUGH
A **LIVING LAB
APPROACH**

The ENoLL Capacity Building Program

Tailor-made mentoring plan

The ENoLL Capacity Building Program creates a tailor-made mentoring plan specific to your organisation, needs and aspirations

Living Lab Expert support

Your mentor(s) are selected from a large pool of Living Lab experts from the ENoLL network with long standing experience in the field of Living Labs and specific areas of expertise

Training & Mentoring offers

- One day tailor-made Face-to-face training (theory + practical work)
- Online/Presental mentoring meetings (on a recurring basis)
- Site visit mentoring (a one-time visit on site)
- Supporting e-course materials

Accelerating your learning curve

The training & mentoring is a fast-track to increased, in-depth and customized learning, resulting in individualized evaluation & recommendations

European
Network of
Living Labs



Online / Presental mentoring
Recurring mentoring meetings



Site visit
Mentoring meeting on site



Face-to-face Training
Tailored lectures & workshops



E-courses
Complementary learning materials

Learning Lab

The 8-week Learning Lab Program combines:

- **Expert presentations**, hands-on **co-creative sessions** and **interactive discussions** with real-life **case studies**
- Hands-on **assignments** and **application of learning materials** to your own Living Lab case, in between the weekly sessions
- **Expert & peer-to-peer support** and **evaluation**, learning from each other while **networking**
- **Dynamic & interactive** environment facilitating **knowledge exchange** in various formats and learning styles!



LEARN ABOUT KEY COMPONENTS

Join the training to learn about the essence of Living Labs, their key elements and innovation processes



CONNECTING THEORY TO REAL-LIFE SETTING

Expert Living Labs will share their experiences and steps followed throughout their Living Lab journeys



HANDS-ON APPLICATION TO YOUR OWN CASE

The sessions will conclude in actionable work where you will be guided to apply the new learnings, reflect & consider how these apply in your own setting



FAST-TRACK LEARNING

The holistic overview of the starter level training and the in-depth learning of the advanced track, combined with online e-courses to increase your learning

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"

PA4ALL

SKSCODE



CHALLENGE

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.

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

European
Network of
Living Labs

ILVO Flanders

ILVO Living Lab Agrifood Technology

Over Aanpak Expertise Verhalen Contact Innoveer mee!



SAMEN OPTIMALISEREN WE JOUW AGRO-VOEDINGS-PROCESSEN

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 kennissen 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 @LLAgrifoodTech
Neem zeker een kijkje op de nieuwe website van ons living lab!
agrifoodtechnology.be
#smartfarming #agrofood40
@openlivinglabs



27 apr. 2020

ILVO @LLAgrifoodTech @LLAgrifoodTech
Nieuwe Treffer wiedzeg afregelen en eerste keer uittesten op Instituut voor Landbouw, Visserij- en Voedingsonderzoek (ILVO) perceel. Met respect voor elkaar #smartfarming lnkd.in/g68XuDK

European
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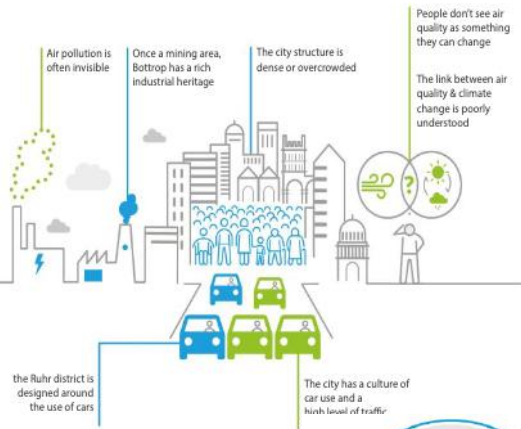
iScape Living Labs (Bottrop)



The Urban Challenges

What are the challenges in the city?

Urban Environment
Citizen Perception

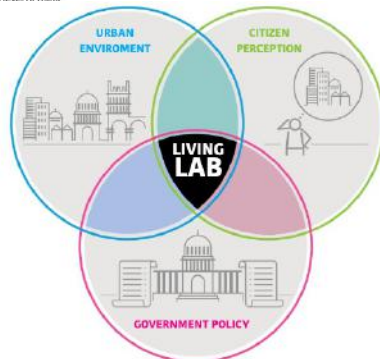


The Living Lab Journey

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.



More information about living labs

- 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
- 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
- iScape Living Lab Guidebook for cities fighting against air pollution:
https://issuu.com/enoll/docs/iscape_guidebook_digital



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Thank you!
