

## Living Labs and Sustainable Smart Cities Examples from the European Ecosystems

Prof. Fernando Vilariño

Computer Vision Center - UAB Barcelona Chairperson of the European Network of Living Labs

Sejoung, 28th April 2021



#### **Prof. Fernando Vilariño**

Associate Director – Associate Professor UAB Lecturing at:

Master in Computer Vision

Machine Learning
Degree Computer Sciences
Robotics

Degree Smart Cities
Open Innovation



Only Center in Europe fully devoted to Computer Vision

+130

25 Years

+50

Top Publications/year

+50

Ongoing PhD Thesis

€4M

M€/year Turnover

Research Labs

Ex: CVC Perception Lab

**Tech Transfer Labs** 

Ex: Audi Joint Lab for Autonomous Driving

Social Impact Labs

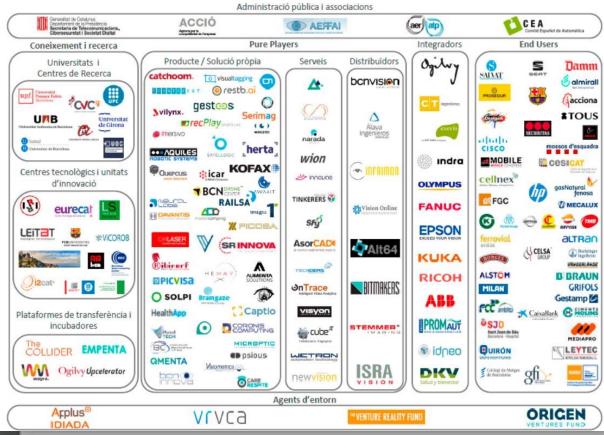
Ex: Library Living Lab

## Computer Vision Catalan Alliance

Catalan Computer Vision Ecosystem



Dealers 25 MC



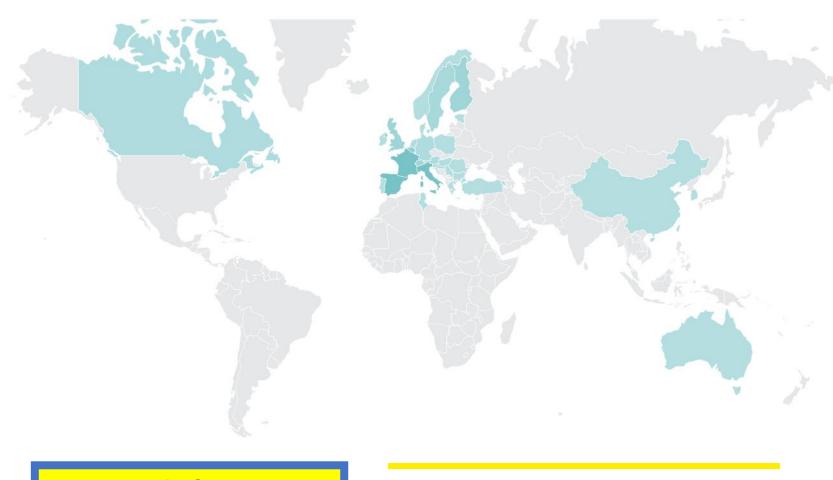


## Library Living Lab: "Exploring how technology transforms the cultural experience of people"









470+
Labeled
Living Labs
Since 2006

## ENOLL LIVING LABS AROUND THE WORLD

20 Core member 130 Adherent members 4 Innovation Partners



#### **Global network**

**People at the centre** of product and service development and innovation.

Facilitating knowledge exchange and training joint actions and project partnerships

Influencing EU policies, promoting our labelled living labs and all living labs



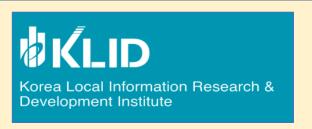
### **ENOLL Korean Living Labs**







## Signed Memorandums of Understanding (MoU)





#### Active collaborators collaborations

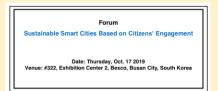






### Examples of events and joint activities







Fernando Vilariño and I

## LIVING LABS IN ONE SLIDE

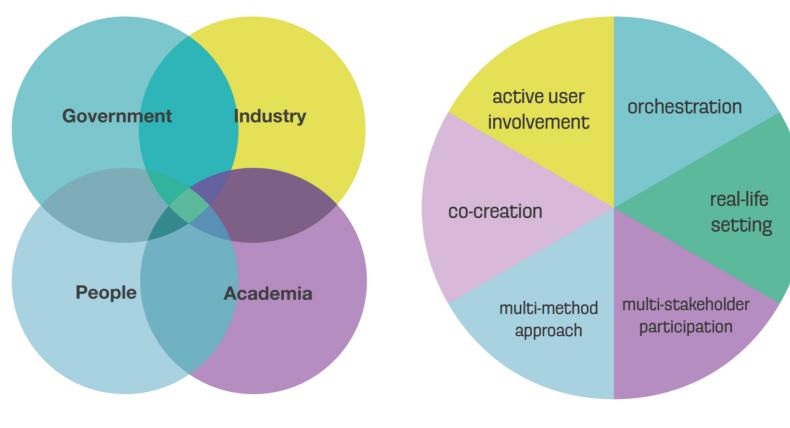
## Living Labs are about INNOVATION: Open Innovation Ecosystems

#### Citizen-centric

With a **multi-stakeholder implementation** 

based on a systematic **user cocreation approach** 

that **integrates** research and innovation activities in **communities** 



Multiple helix approach

**Basic features** 



## ENoLL Program: 5 Action-Oriented Task Forces for systemic citizen-centric multi-stakeholder innovation



Social Innovation and Digital Rights

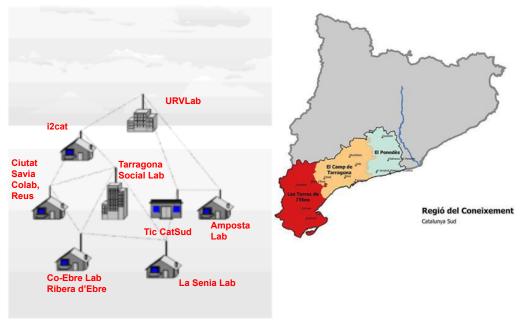
Social impact of Artificial Intelligence

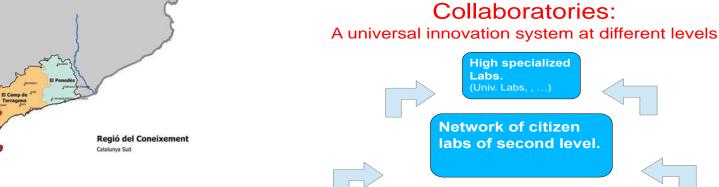
Health and Wellbeing Energy and Environment

Rural Living Labs



# Social Innovation and Digital Rights









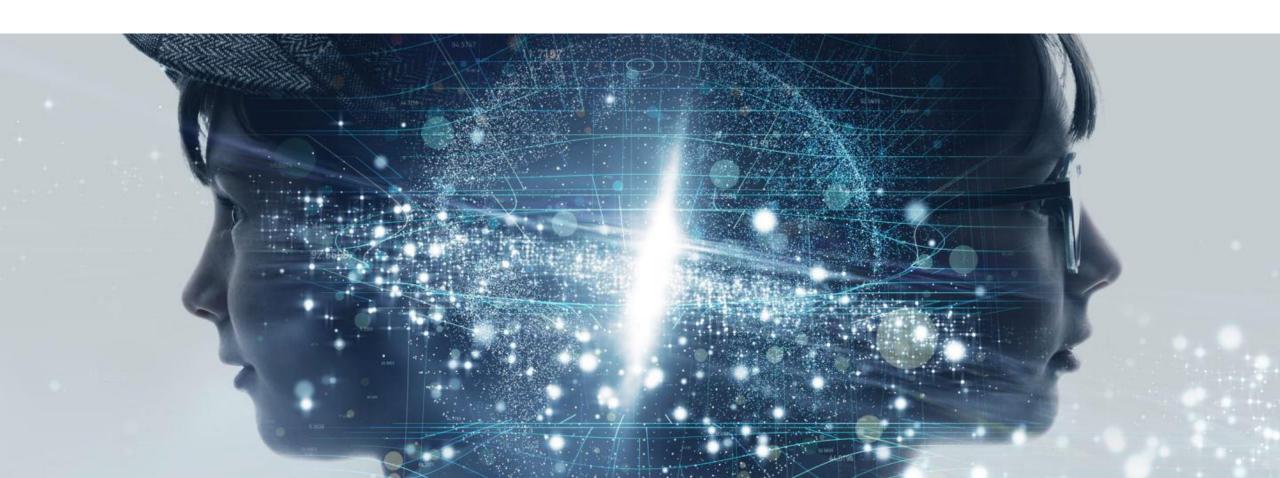
## Social Innovation and Digital Rights

**Network of primary citizen labs** 

(Living labs, Telecentres, Fablabs, Art

New social technologies

## Social Impact of Artificial Intelligence



## **Engaging citizens through arts**



## Understanding the new mobility



## Transforming public spaces together, with and by the citizens







## Health and Well-being





## National contexts: Example of Spain

#### **Health Care Living Lab Catalonia - Barcelona**



#### **IrsiCaixa Living Lab - Barcelona**



**LAB Saúde – Galician Network of Living Labs** 



## Rural Living Labs

## Digital Capacity Building in rural areas



## Agri-food: From farm to fork







# Energy and Environment



## **Changing our habits** for sustainable green economies





National Governments to allocate at least one-third of their R&D budgets over the next decade to city climate action priorities



The Private Sector to partners with cities and local governments to share data and solutions for the public benefit.



Academia to recruit 10 million new students globally by 2025 in climate-change related studies.



Cities and local governments to fully embrace their leadership role in accelerating climate action.

https://www.globalcovenantofmayors.org/our-initiatives/innovate4cities







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## **ENoLL Capacity Building Program**

## 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

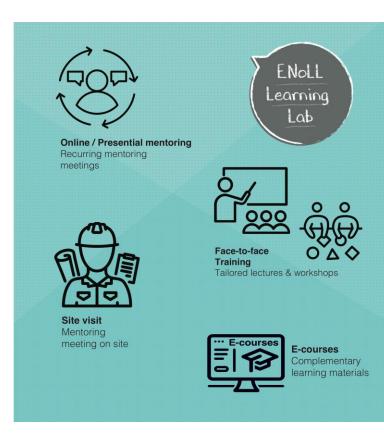
#### **Training & Mentoring offers**

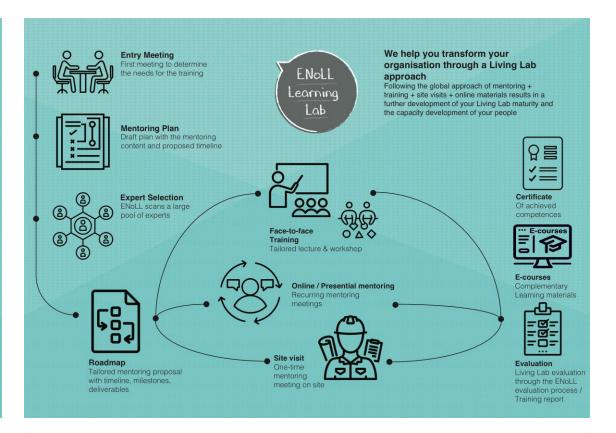
- One day tailor-made Face-to-face training (theory + practical work)
- Online/Presential mentoring meetings (on a recurring basis)
- · Site visit mentoring (a one-time visit on site)
- Supporting e-course materials

#### Accelerating your learning curve

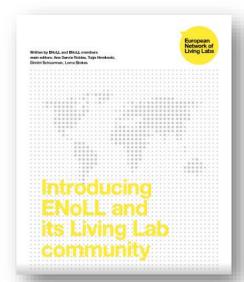
The training & mentoring is a fast-track to increased, in-depth and customized learning, resulting in individualized evaluation & recommendations



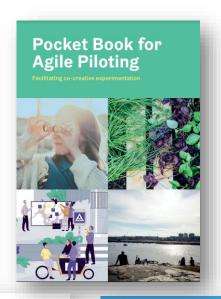




### Know more about Living Labs (https://enoll.org/publications-list)

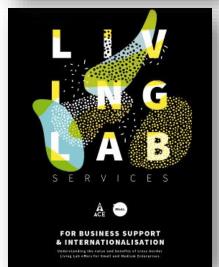




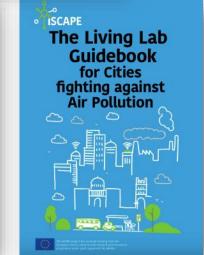
















## **ENOLL Digital Living Lab Days**

(2a Week September)



See you at enoll.org
And at out next
Digital Living Lab Days 2021







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## 감사합니다 Thank you!