



Catlabs, Prototyping Universal Innovation Ecosystems

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i2cat Foundation.

Workshop on Social Innovation Ecosystems.
ESSI Global Conference on Social Innovation and
Socio-Digital Transformation.

Dortmund, Oct. 28-29, 2019

Laboratory for a Digital Citizenship



EU POLICY LAB

DIRECTORATE GENERAL JOINT RESEARCH CENTRE

A COLLABORATIVE AND
EXPERIMENTAL SPACE
FOR INNOVATIVE
POLICY-MAKING

**“Digital Citizenship:
Empowered, skilled,
secure”**

**“Government and
Administration of
the XXI Century :
Open, Digital,
Efficient”**

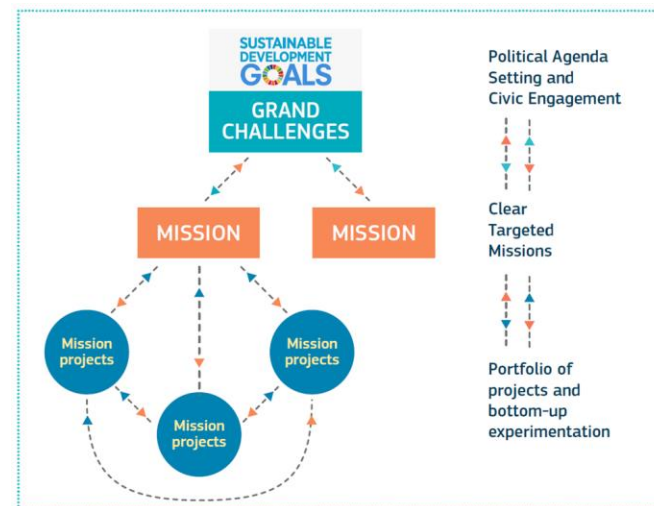


Figure 1. From Challenges to Missions Image: RTD - A1 based on Mazzucato (2017)

Laboratory for a Digital Citizenship

Mission-Driven Project 1.

**Co-creation of the
Chart of Citizen
Rights and
Responsibilities in
the Digital Era**

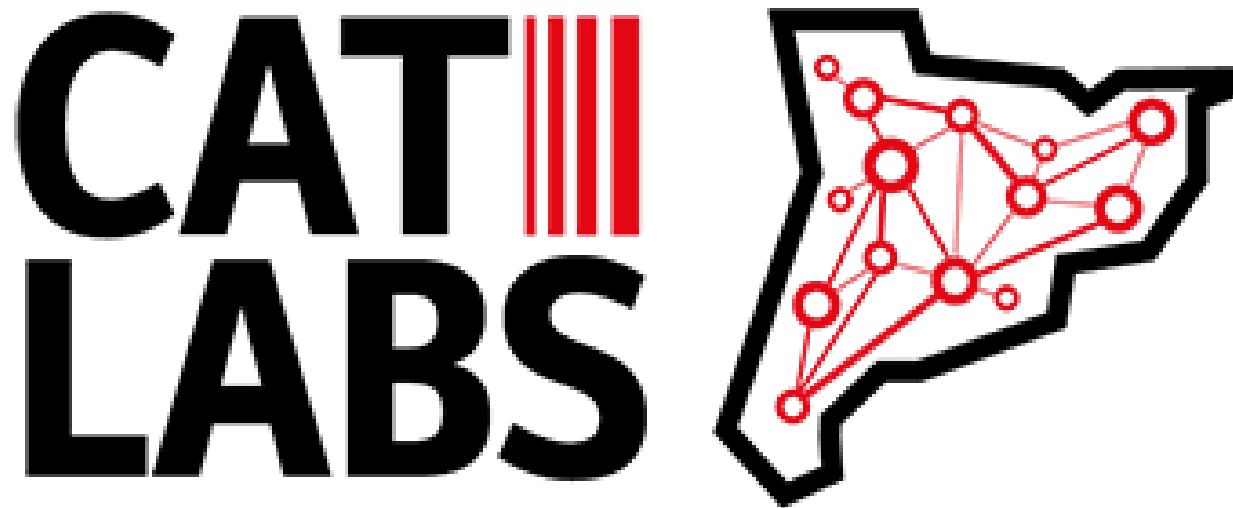
Mission-Driven Project 2.

**Training and
Accreditation of
Agents of Digital
Social Innovation.**

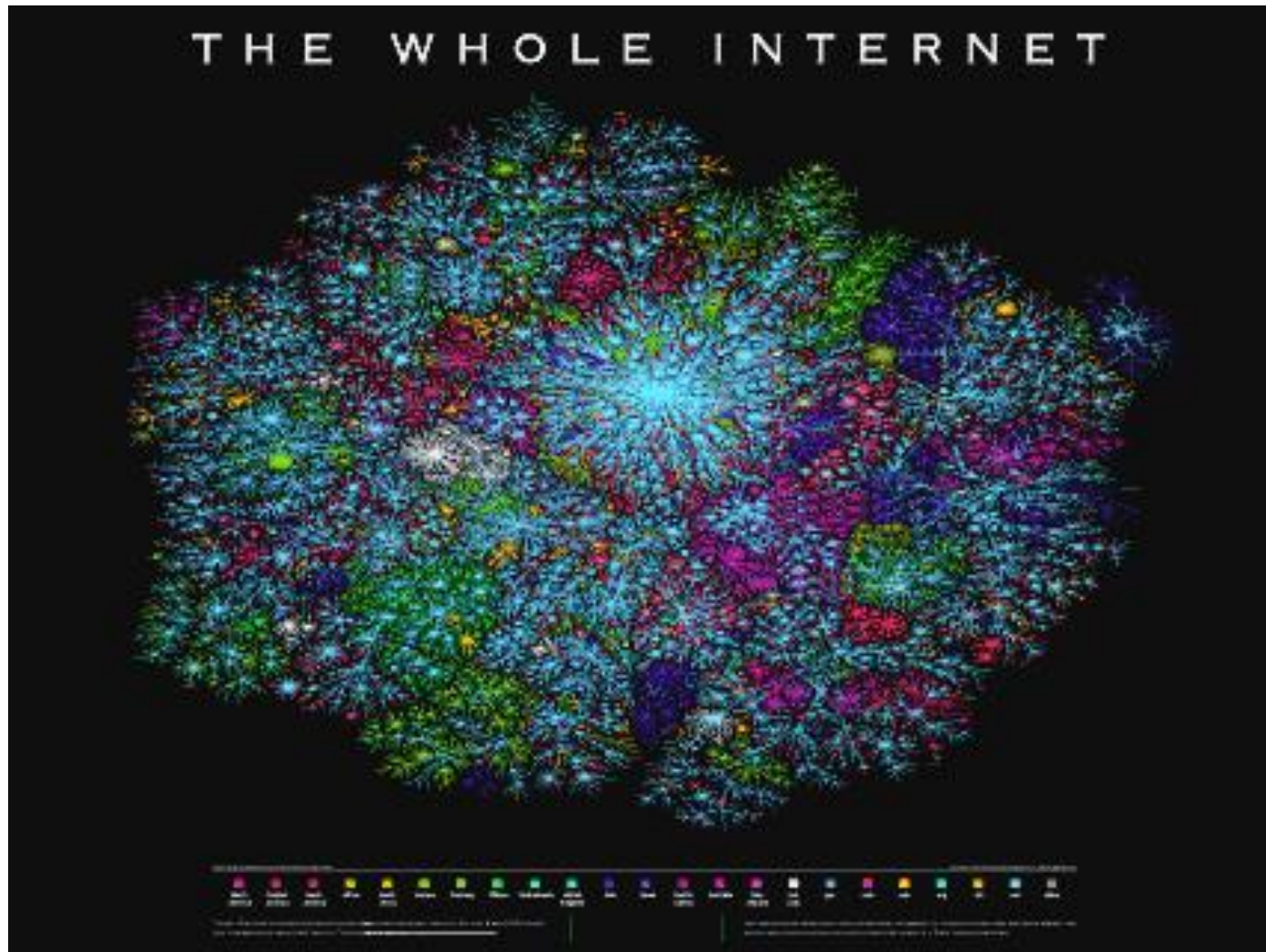
Mission-Driven Project 3.

**Co-designing and
prototyping of
universal innovation
ecosystems**

Building a first prototype of a universal social innovation ecosystem (2016-2017).



The Universal Machine: The Turing's Dream is on its way



2018

53% of the
world's total
population now
uses the internet.

#WeAreSocial

A **new** digital infrastructure
will connect at 5G speed
old economic ,social,political
structures and superstructures

Unexpected consequences...

- Trustification of the Net.
(Google, Amazon,
Facebook, Apple....)



- Increasing the
centralized surveillance (NSA, China...)
- Connecting all social, political and
economies to the new technologies is
not enough.

A Global Challenge:

“Socio-Digital Transformation”
through
social innovation.

Our question:

Digital society is more than digitalization of the old industrial society.

What other models are possible?

Our answer:

Co-creating new
theoretical and practical
models of digital societies

The world of labs: new social innovation structures.

Member of
**European
Network of
Living Labs**



**MEDIALAB
PRADO**



GENSPACE

**LIBRARY
LIVING
LAB**





Member of
**European
Network of
Living Labs**

More than 170 living labs in 5 continents.

**“Empowering everyone to
innovate”
(Amsterdam, 2014)**

Fablabs: More than 1.000 in
97 countries

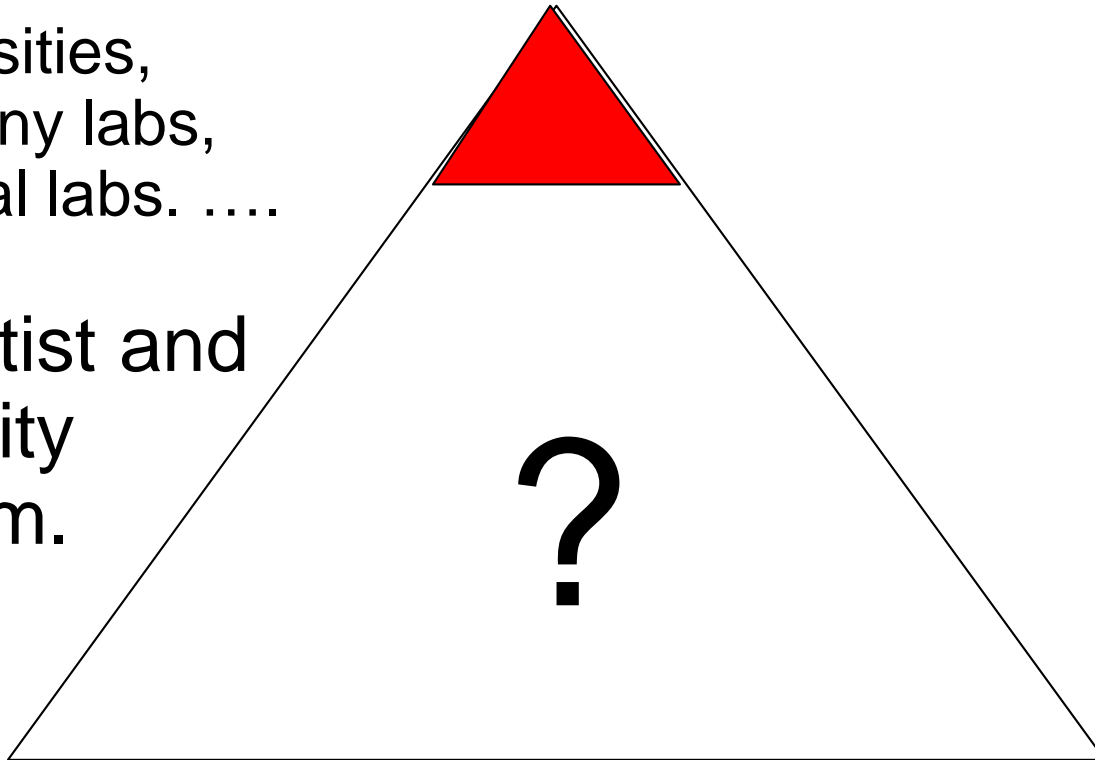


Changing the current R+d+i ecosystems

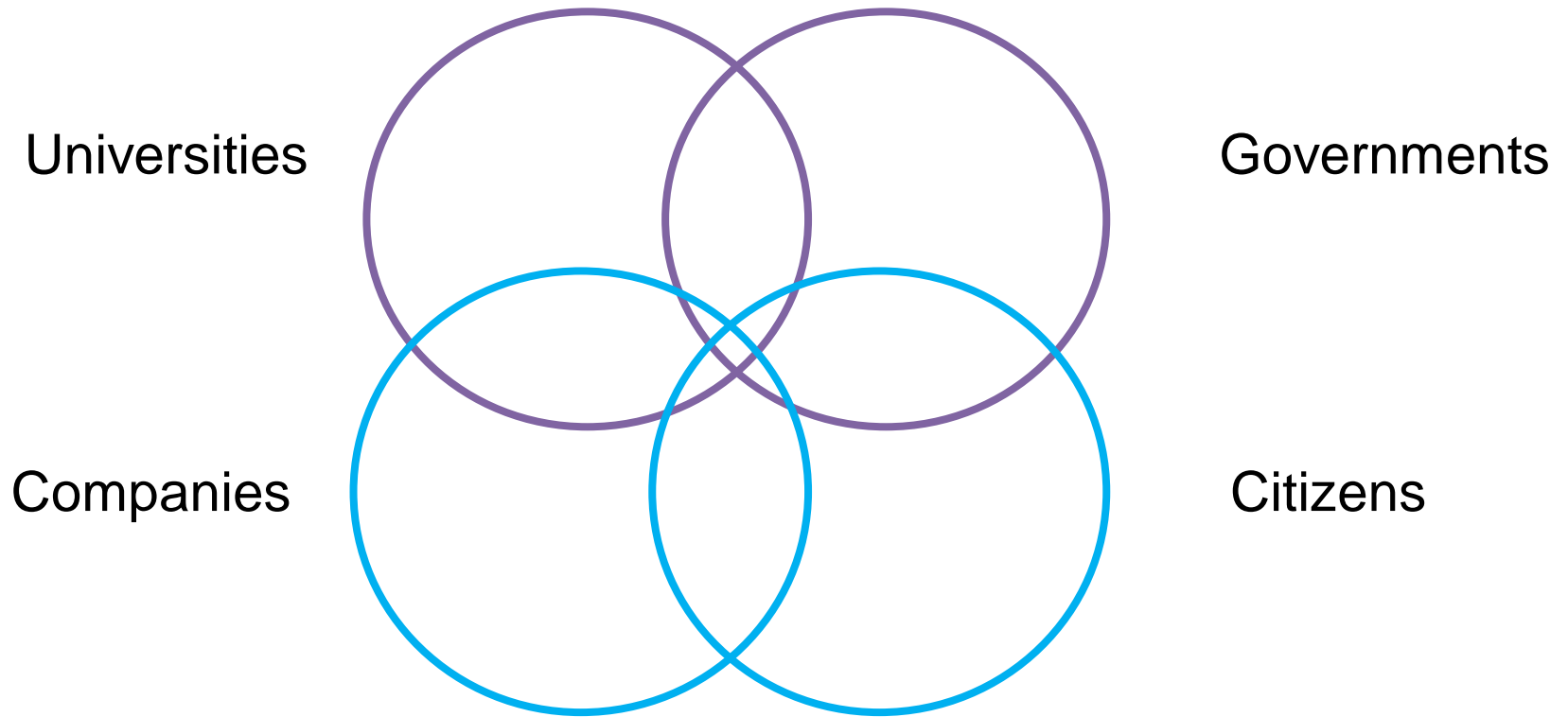
The Triple Helyx model

Universities,
company labs,
national labs.

An elitist and
minority
system.



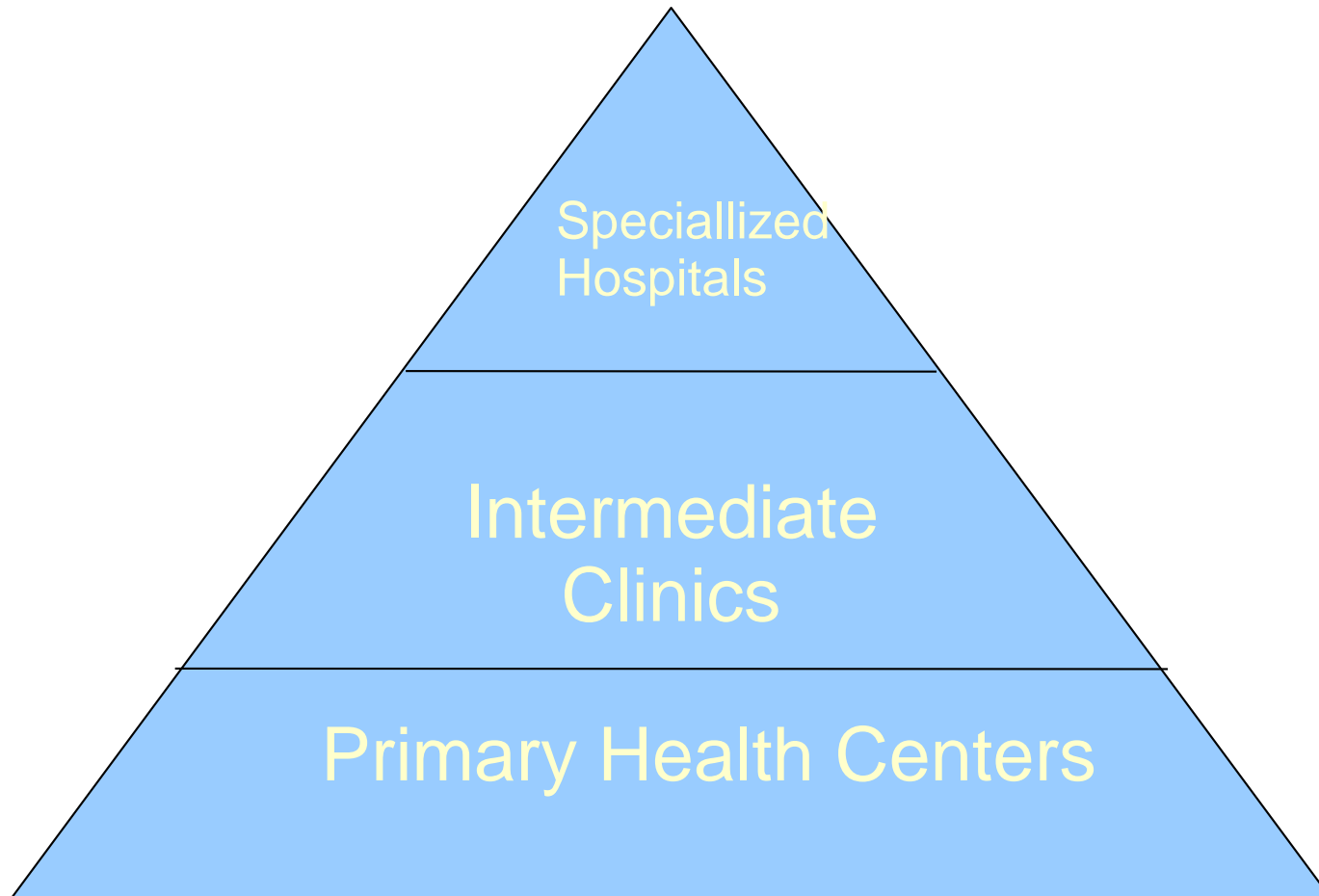
Quadruple Helix: “Democratizing innovation”.



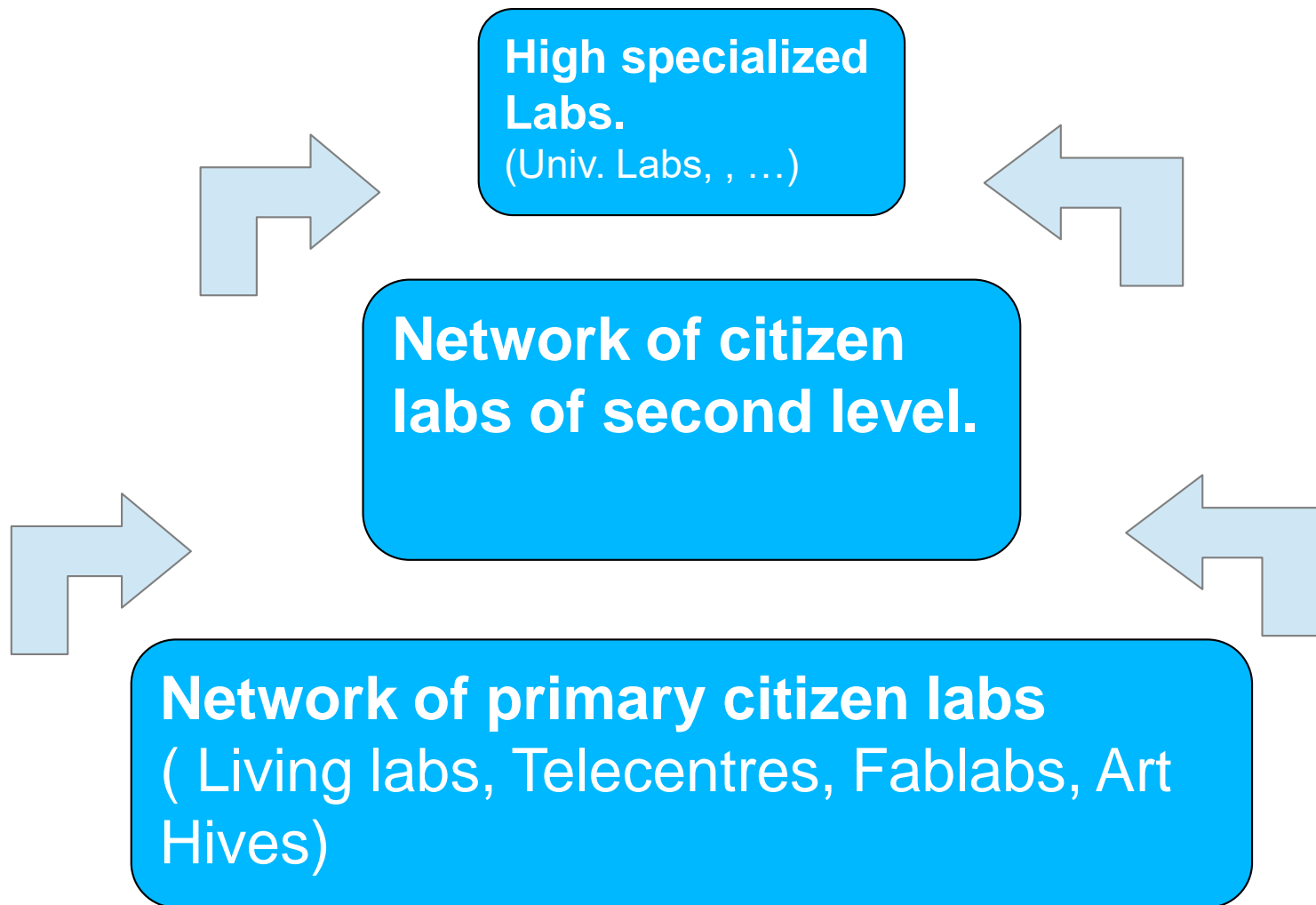
Regional Specialization Strategies should follow this new model.

An exemple: European universal healthcare systems

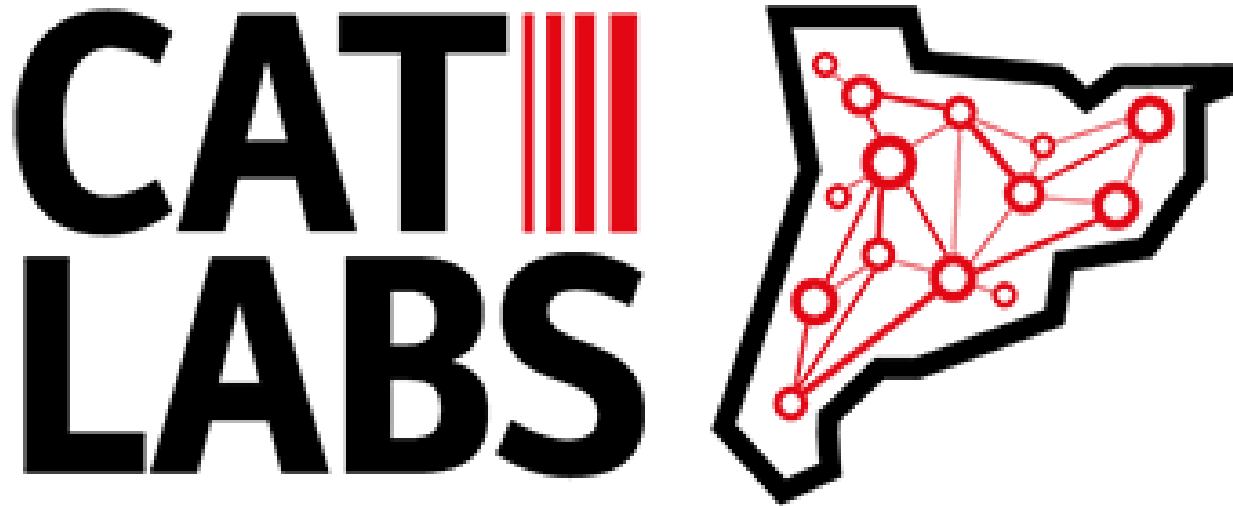
Covering 100% of population



Are universal innovation ecosystems possible?



Building a first prototype of a universal social
innovation ecosystem.



Catalunya 2020

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CatLabs

The Research and Innovation Strategy for the Smart Specialisation of Catalonia (RIS3CAT) combines firmly established R&D&I tools with new mechanisms to promote collaborative initiatives in order to advance in processes of achieving the smart specialisation of Catalonia and foster the participation of all stakeholders (companies, research and innovation centres, the public administration and citizens).

The emergence of ICTs and, particularly, Internet, has led to a democratisation of innovation and has opened up innovation processes (open innovation). Linear models of innovation are giving way to systemic and collaborative models that enable the inclusion of users from the very start of the innovation process and increase the effectiveness of the impact generated by investment in R&D&I.

This new model enables the emergence of new, open and collaborative innovation structures (living labs, fab labs, social innovation networks, open data labs, etc.), new types of work, and new economic forms (co-working sites, the circular economy and the collaborative economy, among others).

In this context, the CatLabs program promotes a Catalan network of digital, social and collaborative innovation, implicating the country's entire economic and social fabric.

Within the Catlabs program, the Catalan Government will seek to form alliances with local authorities in order to promote joint actions and generate synergies to foster the emergence and consolidation of these new structures for open and collaborative innovation. In this context, Territorial Specialisation and Competiveness Projects (PECTs) are key tools to enable this cooperation.

Government and
the CatLabs Program

SmartCAT

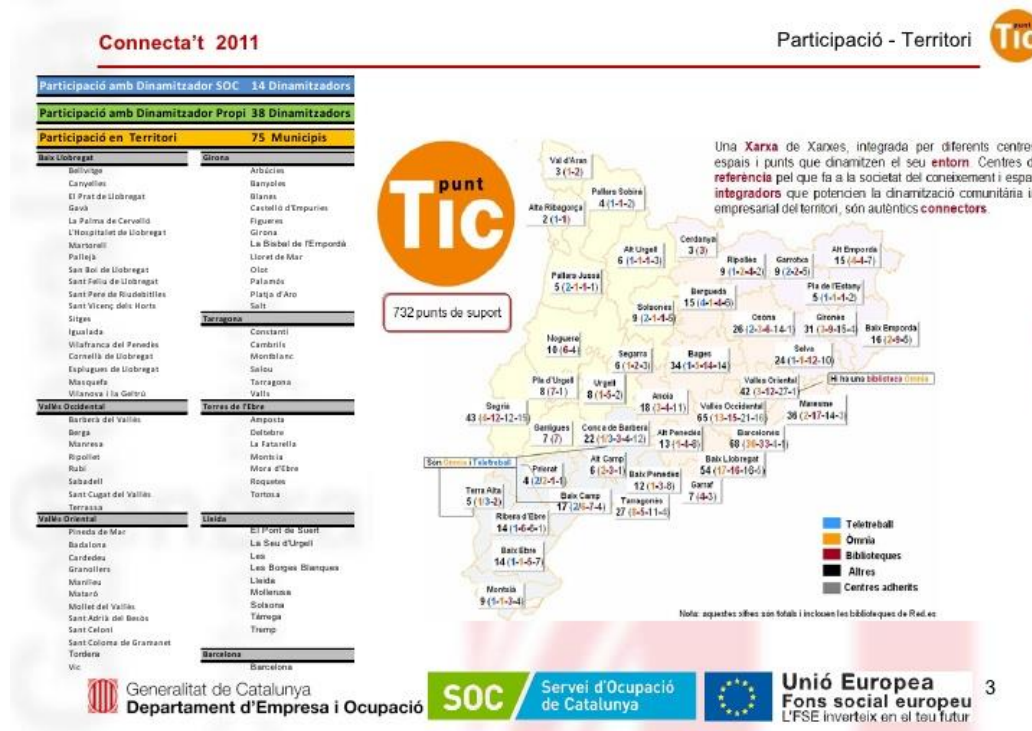
Social Innovation

Digital Social Innovation

RIS3CAT



1st step: Connecting citizen labs at the local level.



FABlab BCN
MOB
Ateneus Fab.
Xarxa Cat.FabLabs

Member of
**European
Network of
Living Labs**

i2cat
Citilab
Neapolis
Tecnocampus
Guifi.net
Volpelleres

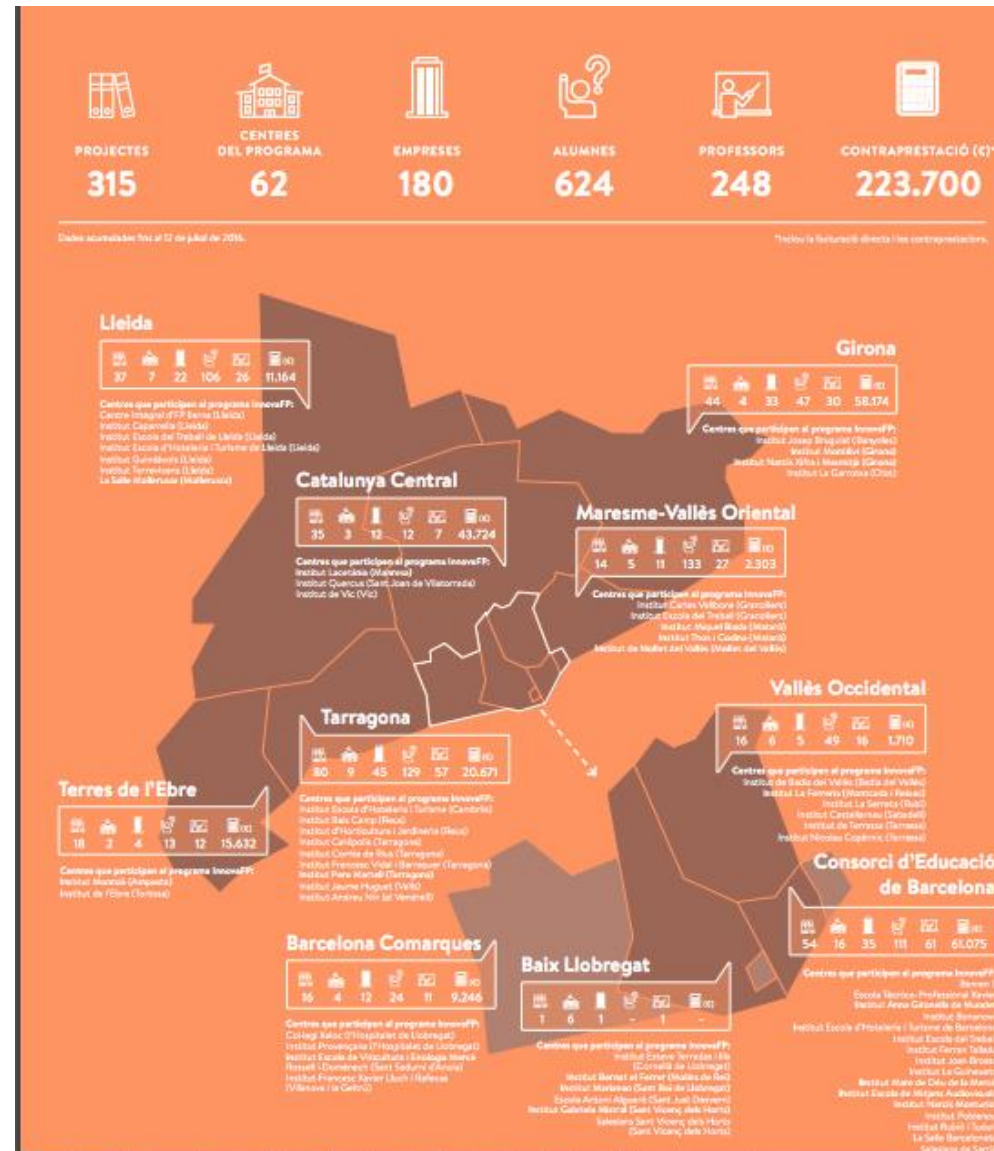
Including new innovative actors

InnovaFP network.

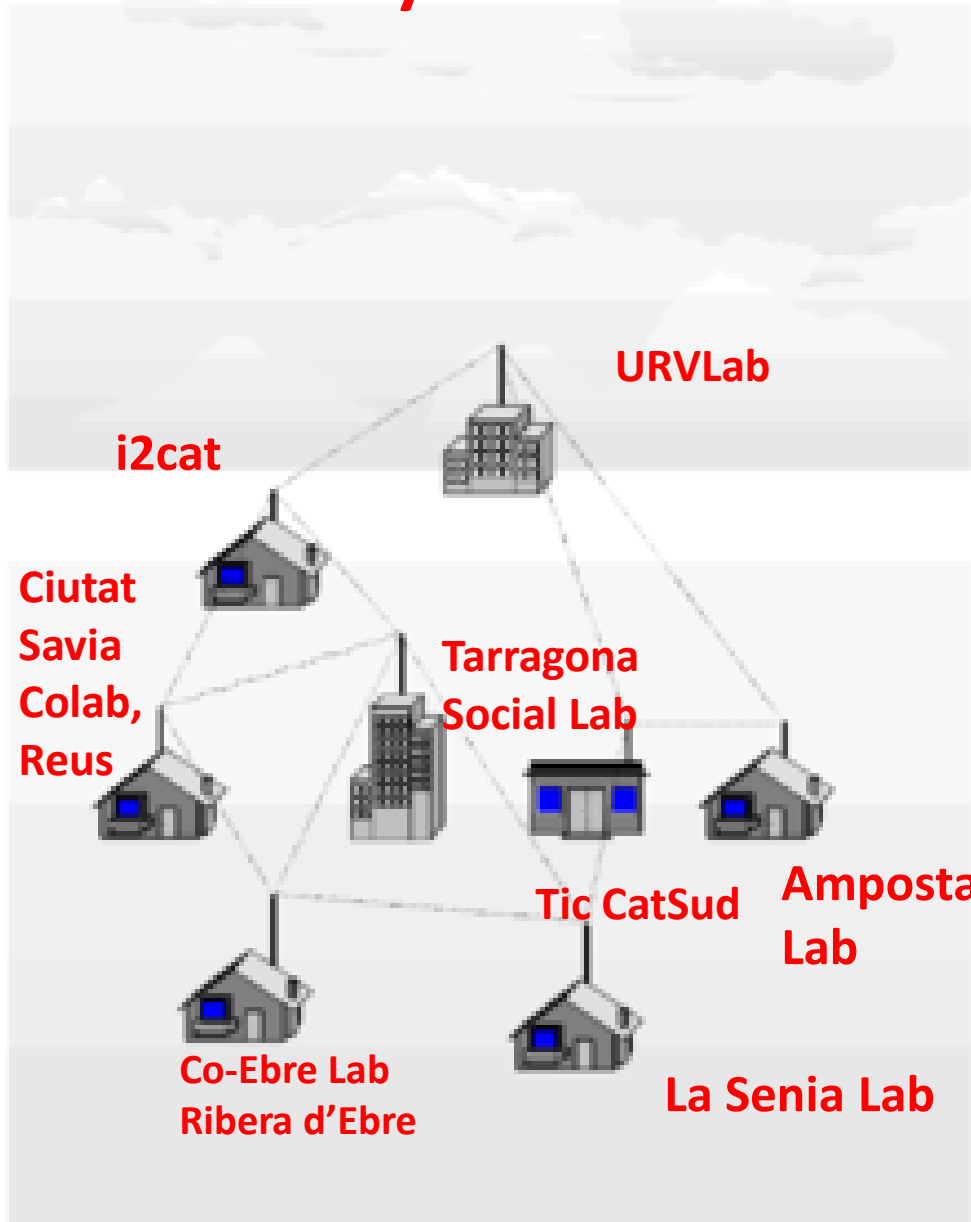
La Xarxa InnovaFP està estessa per Tot el territori de Catalunya agrupant a 62 centres de FP, amb 242 professors 624 alumnes i 62 empreses, facturant 223.700 euros en projectes d'innovació.

Un altra xarxa d'abast en tot el territori son els GAL, Grups d'Acció Local, finançats pel programa LEADER.

També la xarxa regional de Fablabs.



2nd Step: Building Territorial Innovation Ecosystems

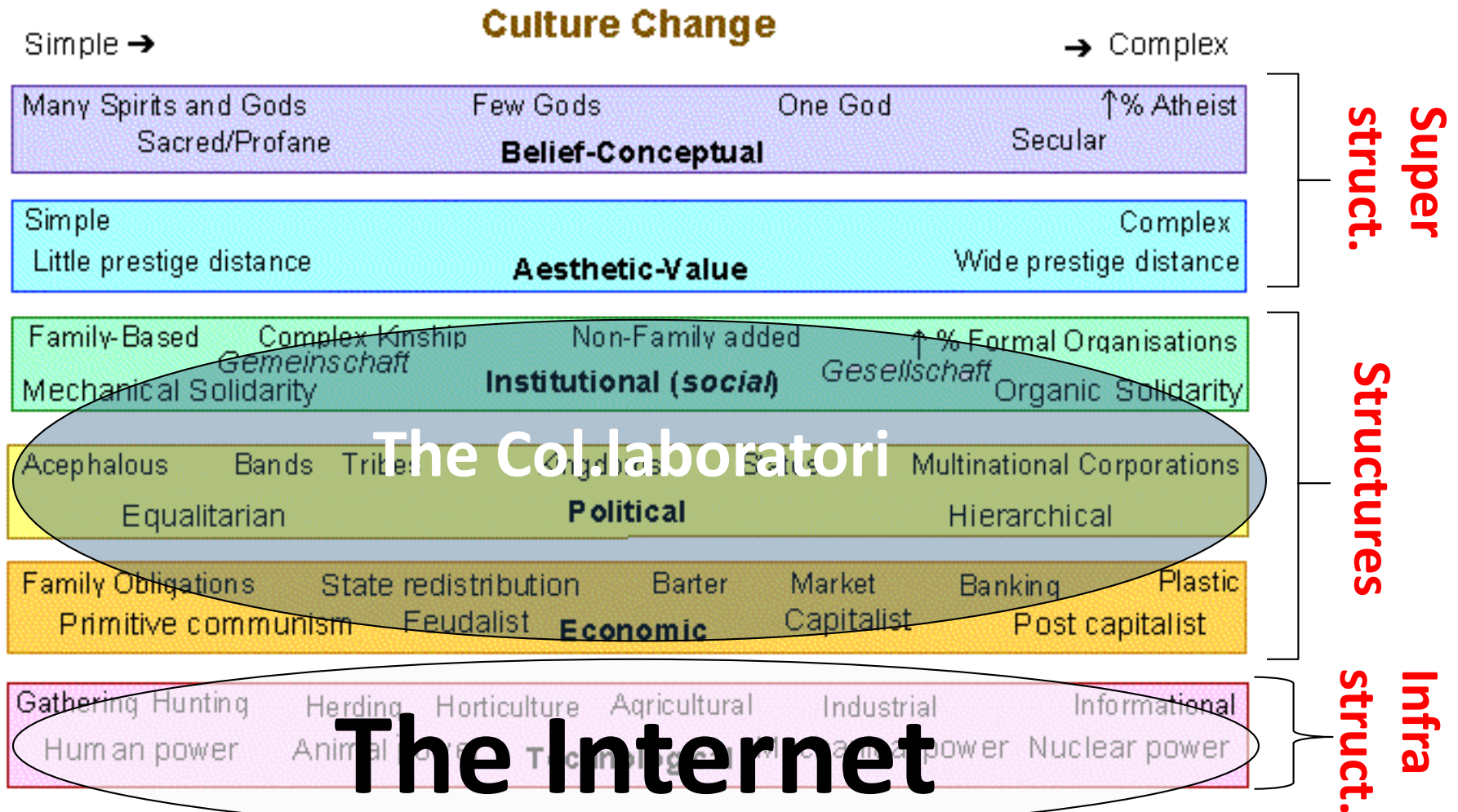


3th Step, synergies with the official system of Research and Innovation.



- CERCA,
- Tecnio,
- Research Universities,
- Big corporate labs
(Everis)
- Innovative SMEs

From the Internet to the Collaboratory





Moedas' Vision for 2030.

“The year is 2030. Open Science has become a reality and is offering a whole range of new, unlimited opportunities for research and Discovery worldwide. Scientists, citizens, publishers, research institutions, public and private research funders, students and education professionals as well as companies from around the globe are sharing an open, virtual environment called **The Lab**”.

(Carlos Moedas, Open Innovation, Open Science and Open to the World. 2016 : 22.)

Next step: “A Lab on Labs”.

Toward Democratic Transformations: A Lab on Labs

9th – 10th December 2019

*Institute for Advanced Sustainability Studies (IASS), Berliner Str. 130,
14467 Potsdam*

*Organized by the IASS research group Democratic (Re)configurations
of Sustainability Transformations in cooperation with the Science
Platform Sustainability 2030*





Thanks a lot.

www.i2cat.net