LONG-TERM SUSTAINABILITY OF SMALL AND MID-SCALE DISTRIBUTED RI PROJECTS

19. 10. 2022, 9:00 - 12:00

I C R I

2 0 2 2

side event

Veronica WILLMOTT PUIG

Arctic Research Icebreaker Cons.

ARICE

Type of Action:	RIA Research and Innovation action
Topic :	Integrating Activities for Starting Communities
Start date:	01.01.2018
End date:	31.12.2022
Budget	**~6M€**

Project Coordinator:

AWI

EU Partners:

POLARFORSKNINGS SEKRETARIATET
SWEDISH POLAR RESEARCH SECRETARIAT

APECS Association of Polar Early Career Scientists

DTU

WORLD OCEAN COUNCIL

British Antarctic Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

NORSK·POLARINSTITUTT

cnrs

PAN

FINNISH METEOROLOGICAL INSTITUTE

Consiglio Nazionale delle Ricerche

CSIC
Consejo Superior de Investigaciones Científicas

ICM Institut de Ciències del Mar

ARCTIA

Non-EU Partners:

UNIVERSITÉ LAVAL

UAF COLLEGE OF FISHERIES AND OCEAN SCIENCES
University of Alaska Fairbanks

www.arice-h2020.eu

ARICE project – Mission

To provide Europe with better capacities for marine-based research in the ice-covered Arctic Ocean by:

- ✓ **better coordinating the existing polar research fleet,**
- ✓ **offering transnational access** to a set of international High Arctic **research icebreakers,**
- ✓ collaborating with maritime industry in a "**programme of ships and platforms of opportunity**".

Photo credit: Alfred-Wegener-Institut / Lianna Nixon

The European Arctic Research Fleet

21 European Research Vessels operating in the Arctic Ocean

- **3** research icebreakers (PC1-PC3)
- **7** ice classified vessels (PC4-PC7)
- **11** vessels Polar Code C, ice class below PC requirement

Poto credit: Alfred-Wegener-Institut / Stefan Hendricks

Objective 1: The harmonisation of the European Arctic Research fleet

Nationally owned infrastructures

Access through national programmes

National schedules

Vessels operating in areas logistically suiting

Limited number of vessels

Polar programmes with bipolar perspective

National budget
National research priorities
National researchers

Duplication of efforts

Reduced ship time in the Arctic Ocean

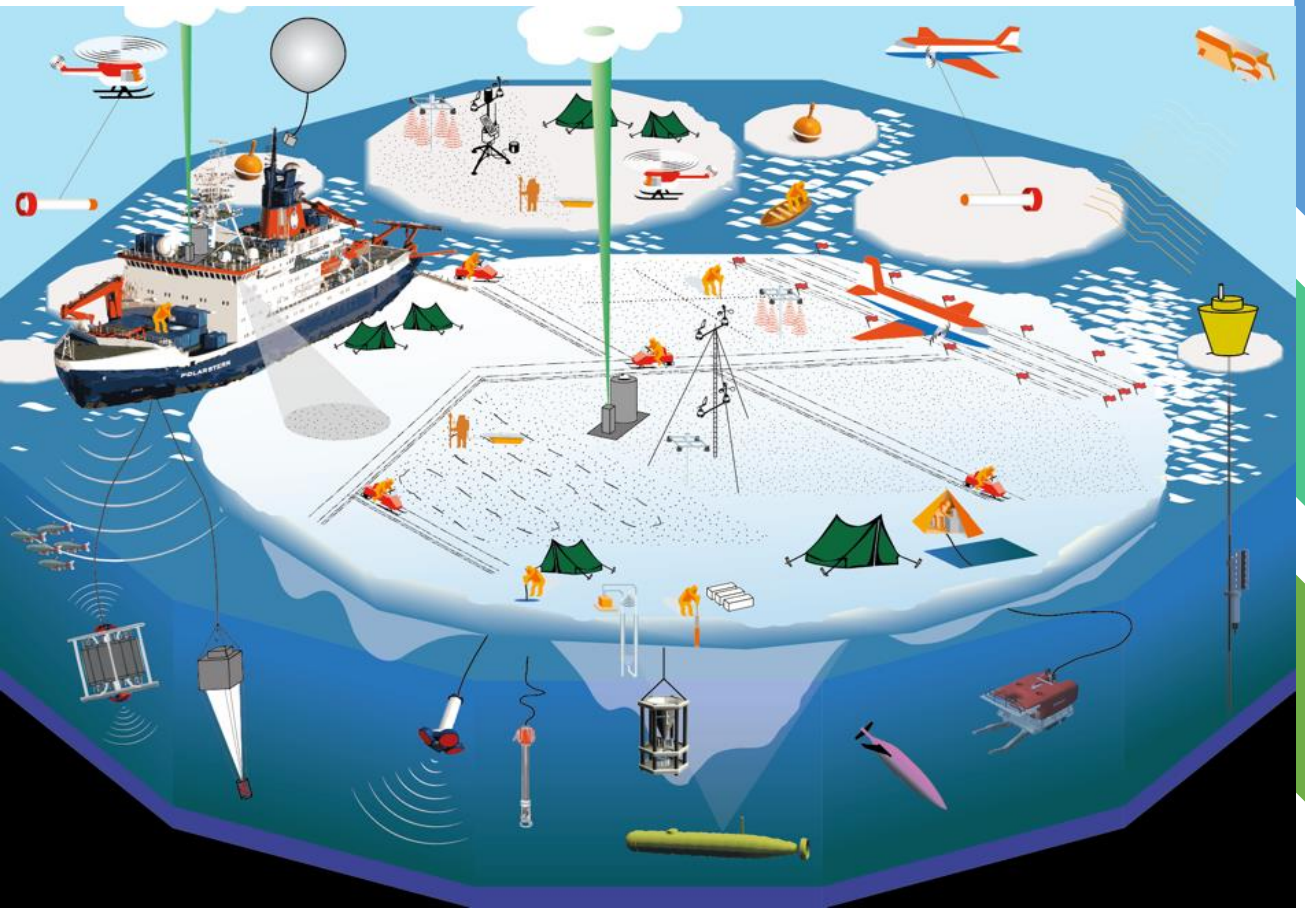
Little room for international initiatives

Non-optimal use of resources
Costly operations

Objective 2: Development of an International Research Icebreaker Consortium

Lead partner: SPRS

Multi-national collaboration on the planning and implementation of Arctic research cruises with heavy icebreakers



A European Consortium able to fund and implement cruises in the High Arctic

- MoU or similar among nations
- Barter system
- National contributions through a similar IODP quota system (*in cash* or *in kind* contributions)

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esteem3

Rafal DUNIN-BORKOWSKI

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 823717 – ESTEEM3

ESTEEM3

Enabling Science Through European Electron Microscopy

https://www.esteem3.eu/

Three integrated infrastructure projects from 2006.

- **Distributed physical infrastructure.**
- **Advanced community.**
- **Transnational access** for academic and industrial users to the most powerful electron microscopes and techniques. 150 users/ year. 1250 access days/ year.
- **Joint research activities:** Member laboratories and SMEs develop advanced electron microscopy methods to solve key problems in ICT, energy, health and transport. 150 publications/ year.
- **Networking activities:** Education, training, promotion, open science. 4 workshops/ year.
- **EC funding ends in 2023.**

ESTEEM3–TA laboratories

1. Gemini Trondheim
2. CMAL Gothenburg
3. WEMS Cambridge
4. OXTEM Oxford
5. EMAT Antwerp
6. ER-C Juelich
7. IC-EM Krakow
8. LPS Orsay
9. StEM Stuttgart
10. FELMI-ZFE Graz
11. JSI Ljubljana
12. CEMES Toulouse
13. LMA Zaragoza
14. Beyondnano Catania
15. A-DME Cadiz

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 823717 – ESTEEM3

First steps towards sustainability: Creation of a "European Distributed Research infrastructure for Advanced electron Microscopy" (e-DREAM) as a non-profit initiative (https://e-dream-eu.org/).

e- DREAM

EUROPEAN DISTRIBUTED RESEARCH INFRASTRUCTURE FOR ADVANCED ELECTRON MICROSCOPY

Founding members:

- Forschungszentrum Jülich, CNRS-CEMES, CNRS-LPS, Norwegian University of Science and Technology, Universiteit Antwerpen, University of Oxford, CNR-IOM, Graz University of Technology, Institut Català de Nanociència i Nanotecnologia

Aims:

- Promotion of science and innovation with electron microscopy.
- Strategic initiatives to shape future policies.
- **Support for user communities**.
- Promotion of access, training, user experience and joint research.
- **Contact to policy makers and other scientific communities**.

Current actions:

- **Formation of legal entity (AISBL).**
- **Horizon Europe proposals with other ARIE partners.**

Member of the Analytical Research Infrastructures in Europe (https://arie-eu.org/)

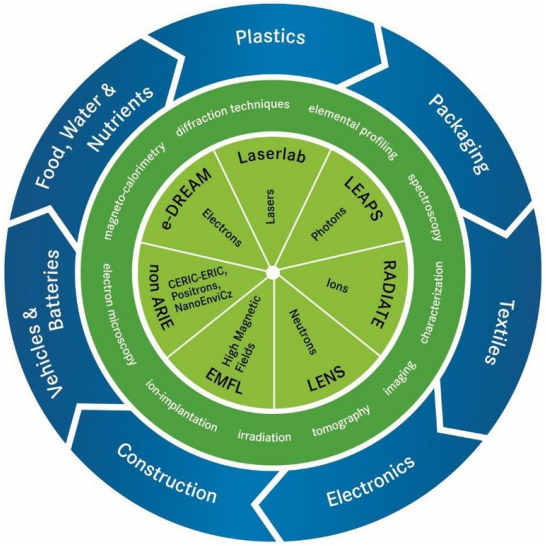
First steps towards sustainability: Horizon Europe projects with ARIE partners.

HORIZON-INFRA-2022-TECH-01-01 project "Interoperable electron Microscopy Platform for Advanced RESearch and Services" (IMPRESS) co-ordinated by CNR-IOM (2023-2027)

- Development of standardized instrumentation at TRL 8 through **pre-commercial procurement** for interchangeable transfer of experiments between characterization tools, based on open standards. Participation of five RIs: CERIC, Euro BioImaging, ELI and the synchrotrons SOLEIL and ALBA.

HORIZON-INFRA-2021-SERV-01-04 project "Recyclable materials development at analytical research infrastructures" (ReMade@ARI) co-ordinated by HZDR (2023-2027)

- Provide scientists with analytical tools to explore the properties and the structure of recyclable materials using combinations of photons, electrons, neutrons, ions, positrons and magnetic fields.



Longer-term sustainability: <u>Uncertain</u>. Guidance and advice required from the EC.

ESTEEM3

Enabling Science and Technology through European Electron Microscopy

More information at:

esteem3.eu

esteem3@fkf.mpg.de

Thank you for your attention!

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 823717 – ESTEEM3

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ICRI 2022

side event

Jan HANUS

EUFAR:

The European Facility for Airborne Research

ICRI2022 side event: 19 Oct 2022

Long-term sustainability of small and mid-scale distributed RI projects

Jan Hanuš (CzechGlobe), EUFAR member

What is EUFAR?

- EUFAR www.eufar.net is the European Facility for Airborne Research in Environmental and Geosciences
- EUFAR aims to link the operators of research aircraft and their instrumentation, scientific users and funding agencies
- Principal services are
  - Operation of research aircraft and instrumentation
  - Support of and provision of data from airborne observing campaigns
  - Wide range of applications across many fields of environmental science (atmosphere, land surface, biosphere, inland and near-shore waters) according to the instrumentation carried

Status and funding

- Three projects funded under FP6/7 with approx. 50% of funding supporting Transnational Access (TA)
- TA supported around 130 user groups (~1000 individuals) not directly associated with RI operators to have flight access
- Established as an AISBL in Jan 2018
- Member organizations (14) support the AISBL via membership fees and in-kind contributions of personnel
- This supports key core activities including
  - Website maintenance
  - Data portal
  - Administration
  - Some dissemination activities

Mid- to longer-term

- Expand membership to provide additional cash and in-kind resources
- Seek external funding opportunities that can
  - Support RI development activities beyond the scope of present resources
  - Support renewed Transnational Access to grow the user base and enable wider access to flight activities
- Work with related RIs in the ENVRI community
  - Promotion of session on airborne science at EGU General Assembly, jointly with IAGOS, LifeWatch, SIOS, HEMERA

Contact details

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Météo-France
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https://www.eufar.net

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Niamh FLAVIN

Toward a legal framework: EUROFLEETS RI

- **Eurofleets** is a **distributed, platform oriented RI,** offering both **physical** and **virtual access**
  - Providing **access** to **state of the art Research Vessels,** we are **an advanced community** transitioning from **project based** to **formal structure**

- **Since 2009 the EU has funded three Transnational Access oriented projects,** the FP7 projects **Eurofleets (2009-2013)** and **Eurofleets2 (2013-2017)**, and the ongoing H2020 project **Eurofleets+ (2019-2023)**.
  - In addition to enabling excellent science, **these projects have been the cornerstone of the European RV fleet cooperation over the last decade with significant success across diversified thematic areas**, and successfully implementing and testing solutions for broad European cooperation in such areas.

- Based on the experience from and the results achieved through the Eurofleets projects and ERVO (European Research Vessel Operator) Network activities, **there is a common understanding among European RV operators that it is necessary to bring the coordination and utilisation of the European RV fleet up to a new and more sustainable level after the Eurofleets+ project ends in October 2023.**

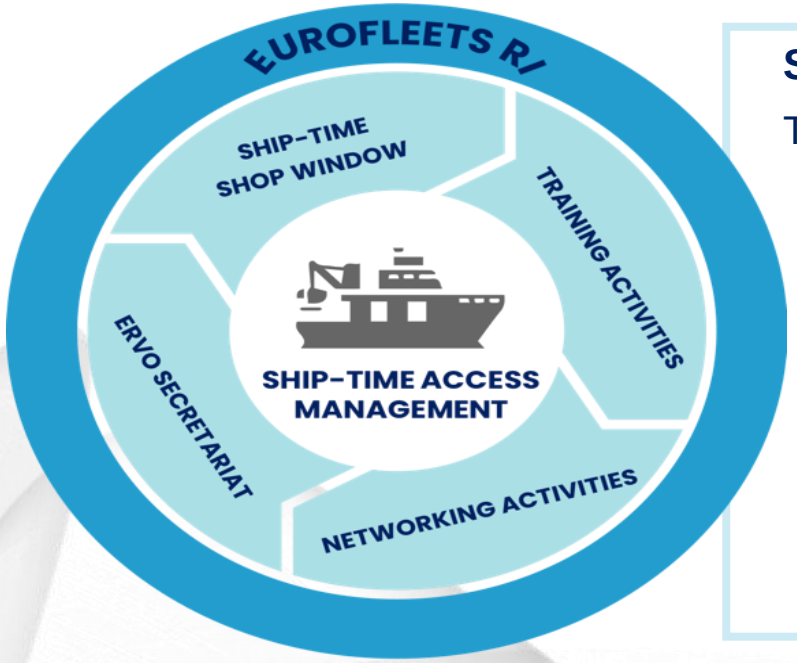
- **The best way to achieve this goal is to inaugurate a legal entity,** in particular an AISBL (Association Internationale Sans But Lucratif), **named EUROFLEETS RI**, that provides a formal structure for cooperating on a pan-European level.

EUROFLEETS RI: Business Idea

Ship-time access management (Sea, Co-PI and Remote Access Programs)

On behalf of the European Commission, provide researchers with TA to RVs and Large EXchangeable Instruments (LEXIs) not available in their home countries or not supported by national funding already available to the researcher, and to continuously improve the Eurofleets TA proposal-submission system.

Eurofleets RI will work together with the European Commission in developing other long term sustainable funding support programmes to facilitate planned access to our Seas and Oceans through access, training and data provision.



Ship-time "shop window"

To maintain a dedicated "information and opportunity platform":

- Providing easy access to up-to-date information on the European RV Fleet and LEXIs,
- Function as a "market-place" for those offering access to RVs and/or LEXIs, and those looking for charter, barter or in-kind contribution to research projects, monitoring activities, logistical functions etc.,
- Advertising education and training opportunities,
- Developing new interactive tools to support collaborative activities,
- Implementing new facilities based on gaps identified,
- Providing a transparent cost/pricing system for EF+ vessels compatible with EC infrastructure costing rules.

Networking Activities | **Training Activities** | **ERVO Secretariat**

EUROFLEETS RI: Operation and Growth Long Term (6-10Yrs) 2026 - 2030

- Manage **annual TA calls** and their implementation
- Expansion of Members - Attract and secure **new members**
- Maintenance and improvement of **Ship Time Shop Window** to expand functionality
- Develop and implement **Training Activity** (Floating Universities, Technology Workshops, Marine Technician Training and Infrastructure Management courses)
- Develop **Crowdfunding activity** to enable expansion of services
- **Participation** in **European funded programmes** which will **address** existing and future threats to our **environment** as well as our **seas** and **oceans.**
- Development of new services across Networking activities such as **Technical Working Groups**
- **Representation of the European Research Vessel community at European and Global level**

Eurofleets+ Coordination Office,
Marine Institute, Rinville, Oranmore, Galway, Ireland, H91 R673
Email: eurofleetsplus@marine.ie
www.eurofleets.eu

This project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 824077

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Vittorio MORANDI

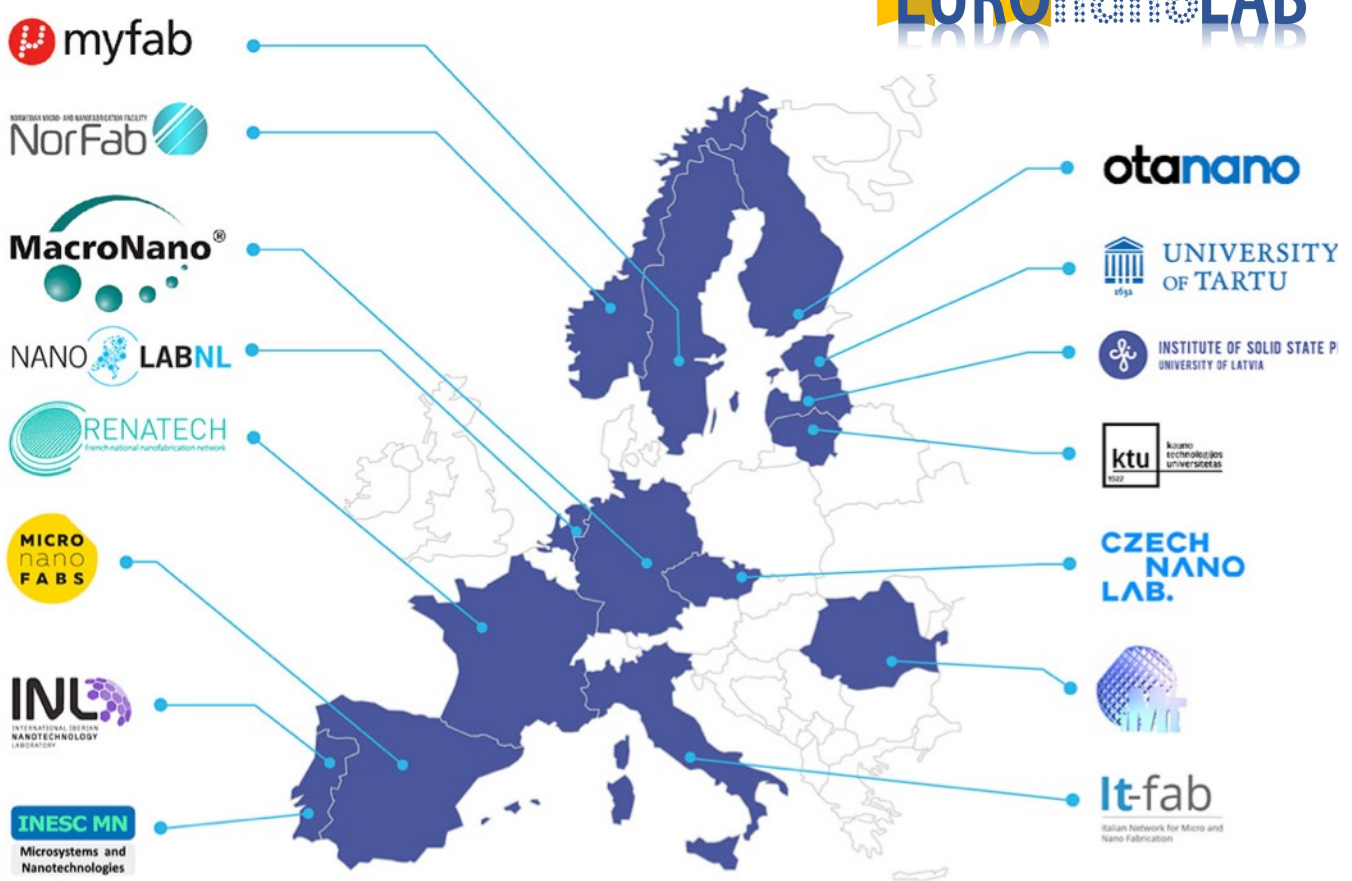
EuroNanoLab's main vision is to **accelerate research in the micro- and nanotechnology sector** by enabling the transformation of a fragmented landscape of nanofabrication facilities into an **integrated knowledge base supporting scientific excellence and providing researchers a fast-track to results.** EuroNanoLab strives to provide:

- *Unified access to world-class nanofabrication equipment and expertise for excellent scientific projects.*
- *New « nanofabrication system » able to fabricate more complex micro/nano devices by integrating the contributions of several specialised cleanrooms*
- *Multidisciplinary outreach and creation of novel « nanofabrication building blocks » defined together with leading experts of targeted scientific communities*

EuroNanoLab's goal: allows scientists to dream smaller, faster and get there faster

http://euronanolab.eu

EURONANOLAB



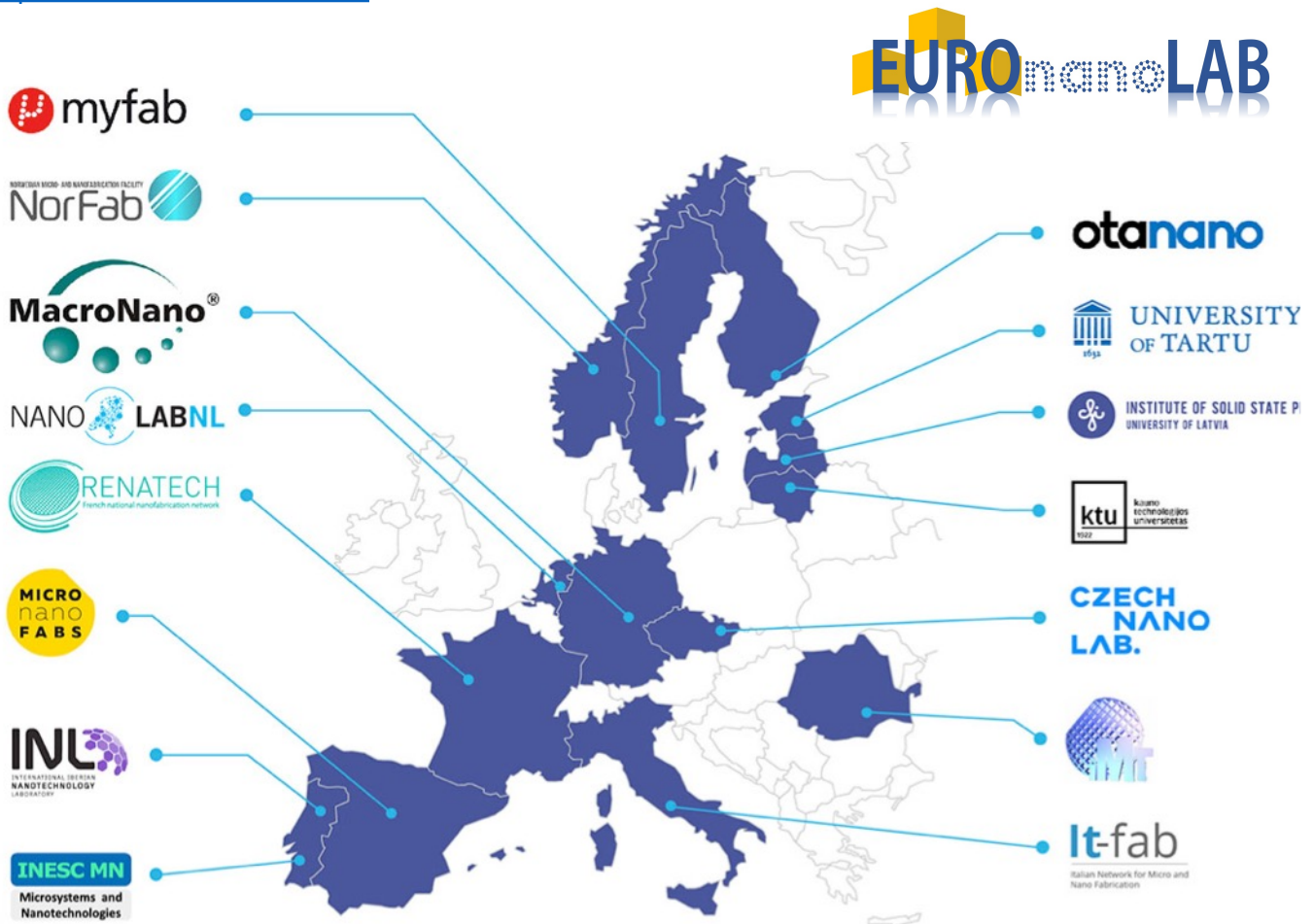
EuroNanoLab: 44 Nanolabs in 14 countries

- *Expertise and capabilities in nanofabrication directed by shared management.*
- *Central-hub-coordinated user access, technology development and knowledge base.*

EuroNanoLab helps to create **innovative solutions to societal challenges in the fields of energy, environment, transport, health, and general wellbeing.**

EuroNanoLab's goal: allows scientists to dream smaller, faster and get there faster

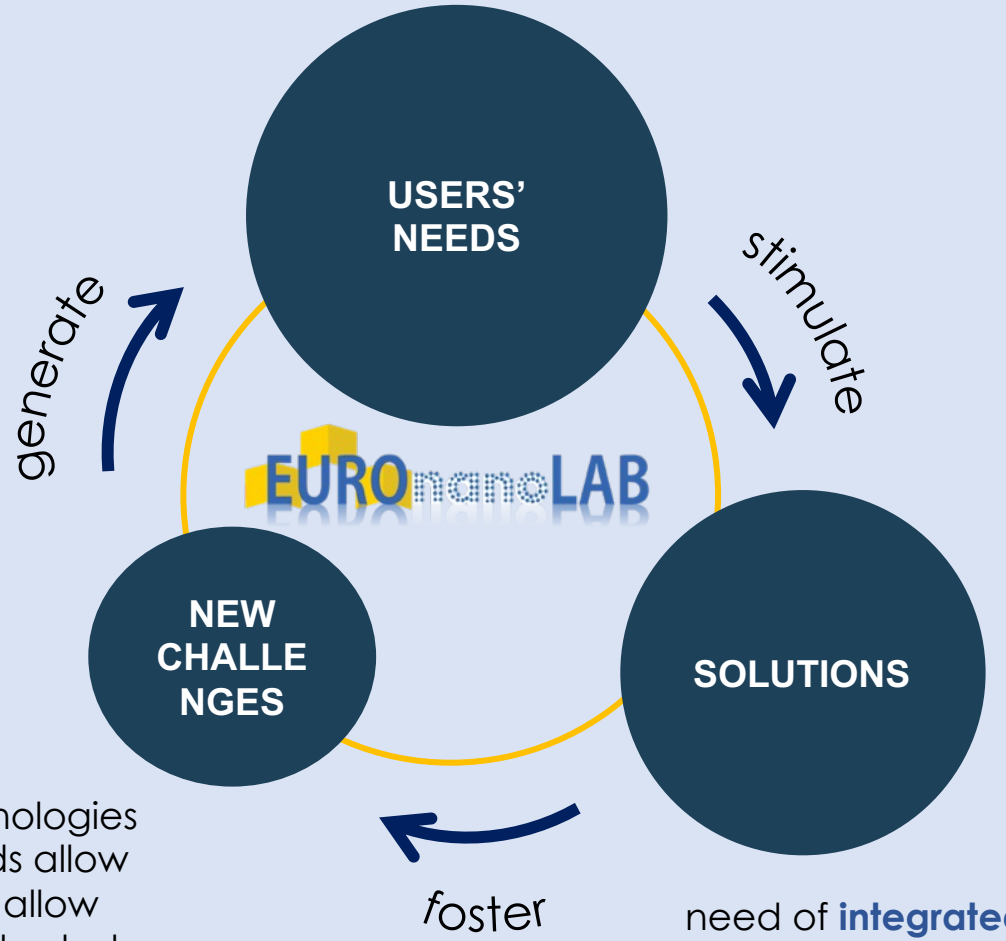
http://euronanolab.eu



EuroNanoLab: 44 Nanolabs in 14 countries

EuroNanoLab's enabled ecosystem

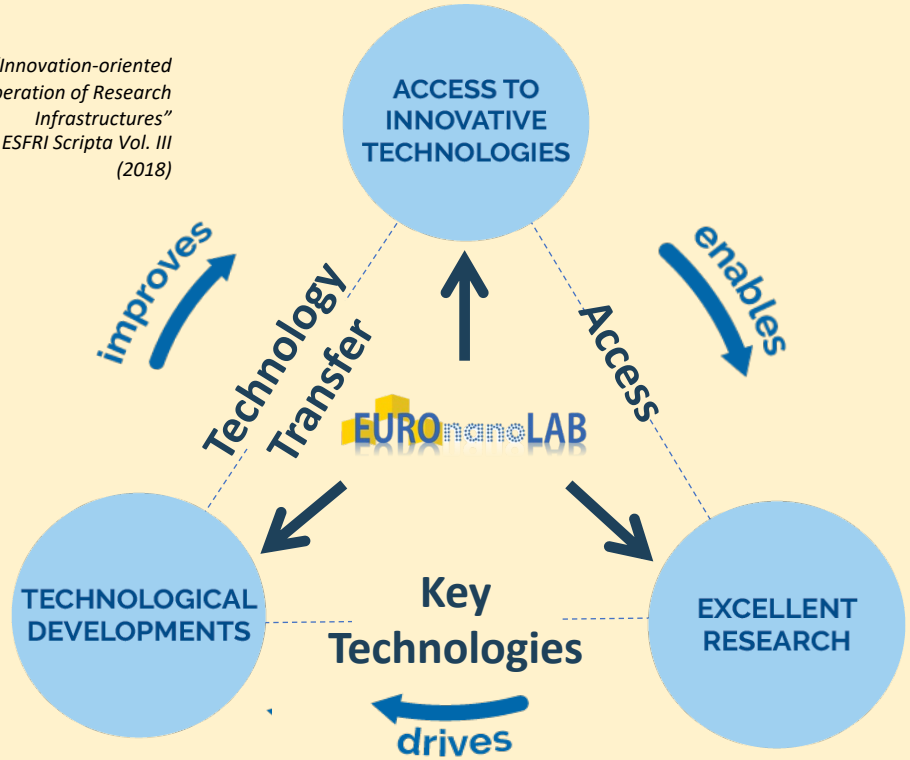
High demand (presently 60% of nanolabs' user requests) of **unproven technologies**
(i.e. new and more complicated nanofabrication methods)



new technologies & methods allow and will allow scientists to start **more ambitious projects**

need of **integrated effort** of several nanolabs to develop such nanofabrication methods

"Innovation-oriented cooperation of Research Infrastructures" ESFRI Scripta Vol. III (2018)



EuroNanoLab within the value chain of innovation

- More than **700 high-tech companies/year** access to EuroNanoLab nodes (Startups, Spin-offs, SMEs, Corporates)
- On average, **13% of the ENL nodes' budget** is coming from industry
- On average 10% of the ENL's PhDs belongs to **Industrial / Innovative PhD programs** linked to Regional specialisations
- Direct impact of EuroNanoLab in the **development of the National ecosystems**

EuroNanoLab's mid- and long-term sustainability

EuroNanoLab TODAY

ESFRI — Strategy Report on Research Infrastructures ROADMAP 2021 — LANDSCAPE ANALYSIS

Importance of establishing a EU micro- and nano-fabrication ecosystem highlighted in the **ESFRI 2021 Landscape Analysis**

nffa.eu | PILOT

Access to ENL CRs of Renatech, Czech NanoLab, It-fab @ ENL in NEP

NanoFabNet — SUSnanofab

Direct involvement in Pan-European initiatives fostering Sustainable Nano Fabrication & Innovation

FAIR-IMPACT — Expanding FAIR Solutions across EOSC — eosc — GO FAIR

ENL participates (through CNR) to the INFRA-2021-EOSC-01-04 "**FAIR-IMPACT**" project for FAIR data implementation

GO NANOFAB Implementation Network for micro- and nano-fabrication data

iENTRANCE — MUR — Funded by the European Union NextGenerationEU

Alignment and integration with National Infrastructures Roadmaps, e.g. **« Infrastructure for ENergy TRAnsition aNd Circular Economy @ EuroNanoLab - iENTRANCE@ENL »** @ Italy

EXPERTS GROUPS

Experts Groups on Dry Etching, Lithography, Data and Processes

EuroNanoLab TOMORROW

EURONANOLAB upgrade

- **Update of the MoU** almost complete
- **Prioritized activities** identified
- Partners' **financial commitment** settled up

European Commission — Horizon Europe

- HORIZON EUROPE Research Infrastructures Work Program 2023-2024
- Targeted Scientific Communities

ERIC FORUM — ARIE — e- DREAM — OpenAIRE

- **Synergy and integration within the EU RI ecosystem**
- Establishment of a Legal Entity under discussion (ERIC, AISBL ...)

Quantum Delta the Netherlands — ART-ER ATTRACTIVENESS RESEARCH TERRITORY — Electronic Coast Norway — Strata — JIC — MUR — PNR Programma Nazionale per la Ricerca — anr agence nationale de la recherche AU SERVICE DE LA SCIENCE — Czech Academy of Sciences

- Strong alignment with **Regional Innovation Ecosystems** and **National Science and Research Roadmaps**

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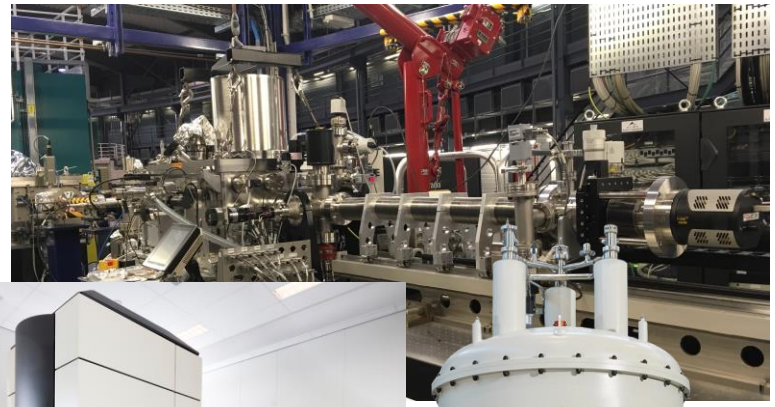
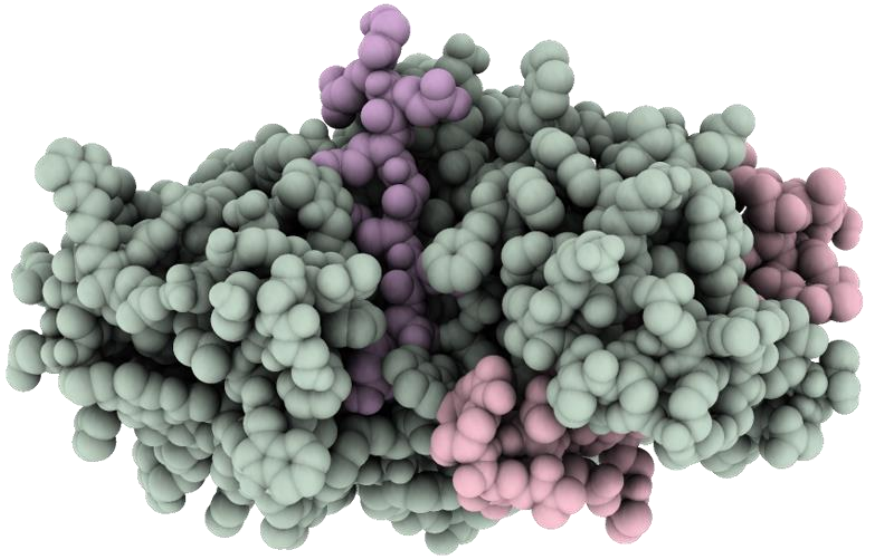
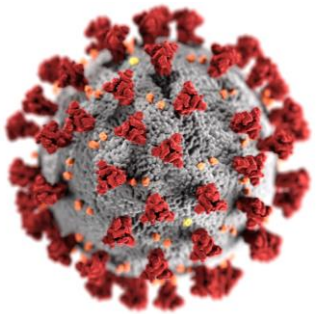
Vladimir SKLENAR

This project has received funding from the European Commission's Horizon 2020 research and innovation program under grant agreement No. 871037

Structural biology for the people!







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The project setup

Transnational Access

19 WPs for 19 facilities

X-ray facilities

ALBA, BESSY, DIAMOND, EMBL-GR, EMBL-HH, MAX IV, SOLEIL

NMR facilities

CEITEC, CIRMMP, GUF, RALF-NMR, UU

EM facilities

AU, CBI, CEITEC, CSIC, DIAMOND, EMBL-HD, NeCEN, UNIVLEEDS

Biophysics facility

NKI

Data Management

EMBL-EBI, all access providers

ESFRI / ERIC

INSTRUCT, EATRIS, EuBI, EU-OS, METROFOOD

Regional networking

UNL, IIMCB, ELTE, CEITEC NHRF, VU

Start: February 1, 2020
End: January 31, 2024

Networking

WP1	Project Mgt	NKI
WP2	Networking / training	HZB
WP3	Dissemination / outreach	CIRMMP
WP4	Sustainability	INSTRUCT
WP5	Data Management	DIAMOND
WP6	Management of access	NKI
WP30	Ethics requirements	NKI
WP31	Covid response	NKI

Joint Research

WP26	Fragment screening	EMBL-GR
WP27	HTP cryoEM & serial Xrays	EMBL-HH
WP28	Structures – states	GUF
WP29	Integration	ALBA

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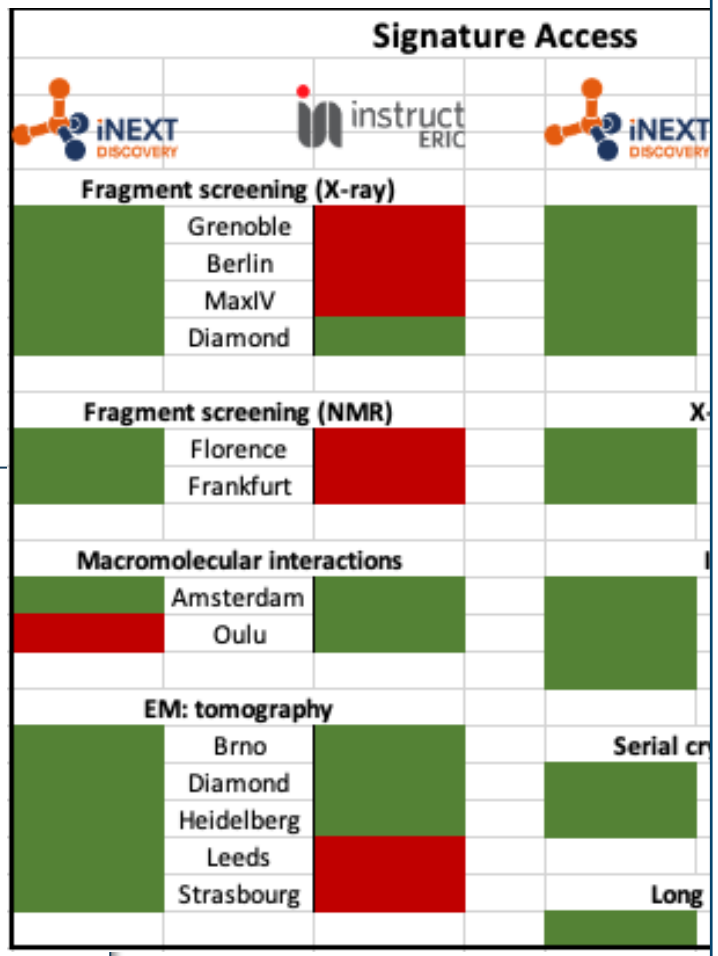
Instruct-ERIC - Working Group Discussions

WP4: Sustainability – Lead Beneficiary: INSTRUCT

Task 4.1 - Developing a vision for structural biology

- Translating user feedback to needs
- Infrastructure evaluation and sustainability planning
- Foresight meeting
- Expanding interaction possibilities with industry

Task 4.2 - Sustainability Plan for iNEXT-Discovery



"24 QUESTIONS"

LONG-TERM SUSTAINABILITY OF SMALL AND MID-SCALE DISTRIBUTED RI PROJECTS

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27 EU

PRISMAP

Medical Radionuclides

Thomas Elias COCOLIOS

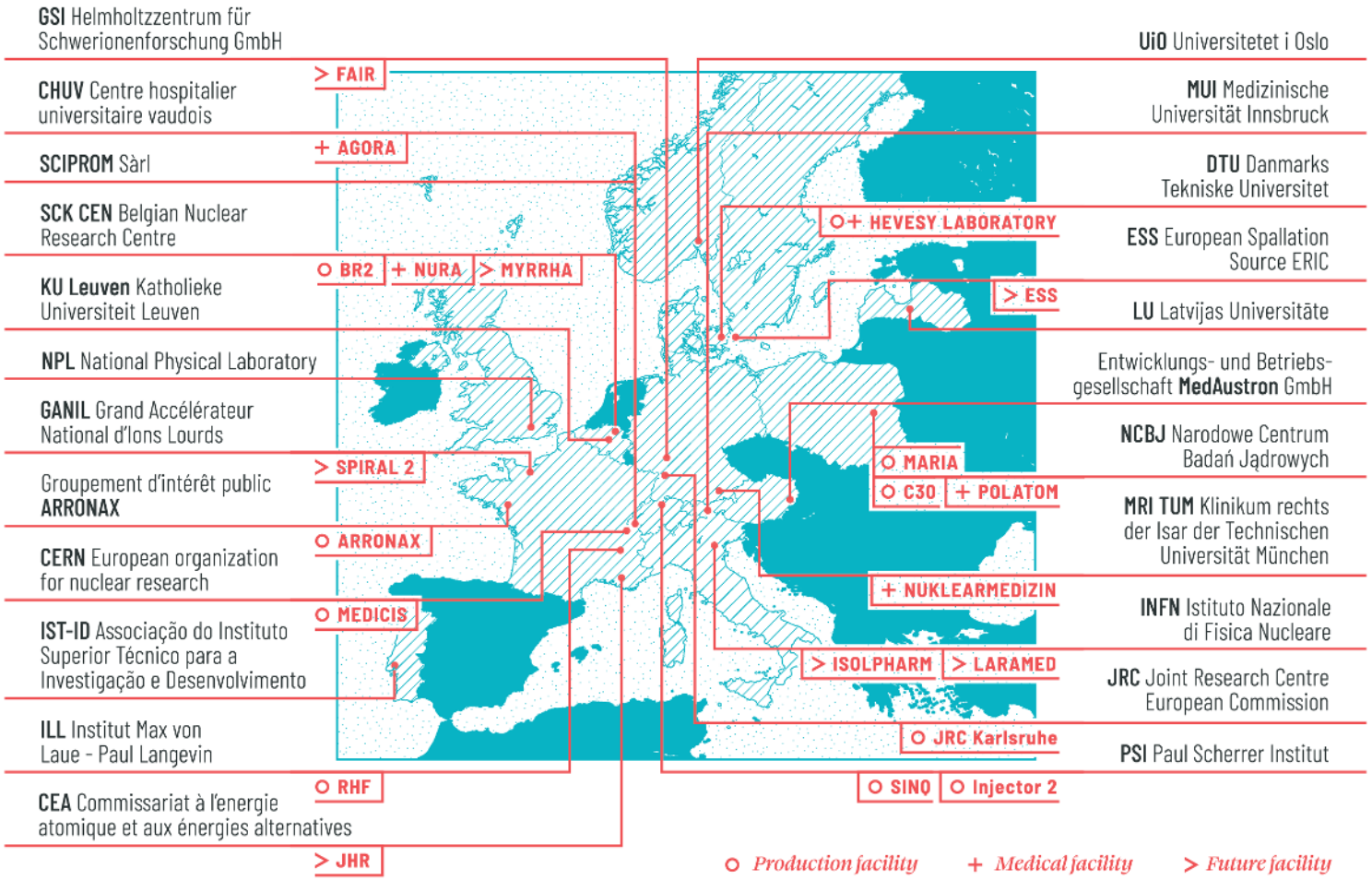
PRISMAP

The European Medical Radionuclides Programme

Prof Thomas Elias Cocolios, KULeuven, PRISMAP Dissemination Manager

International Conference on Research Infrastructures, Brno (Czech Republic), 19 October 2022

PRISMAP infrastructure



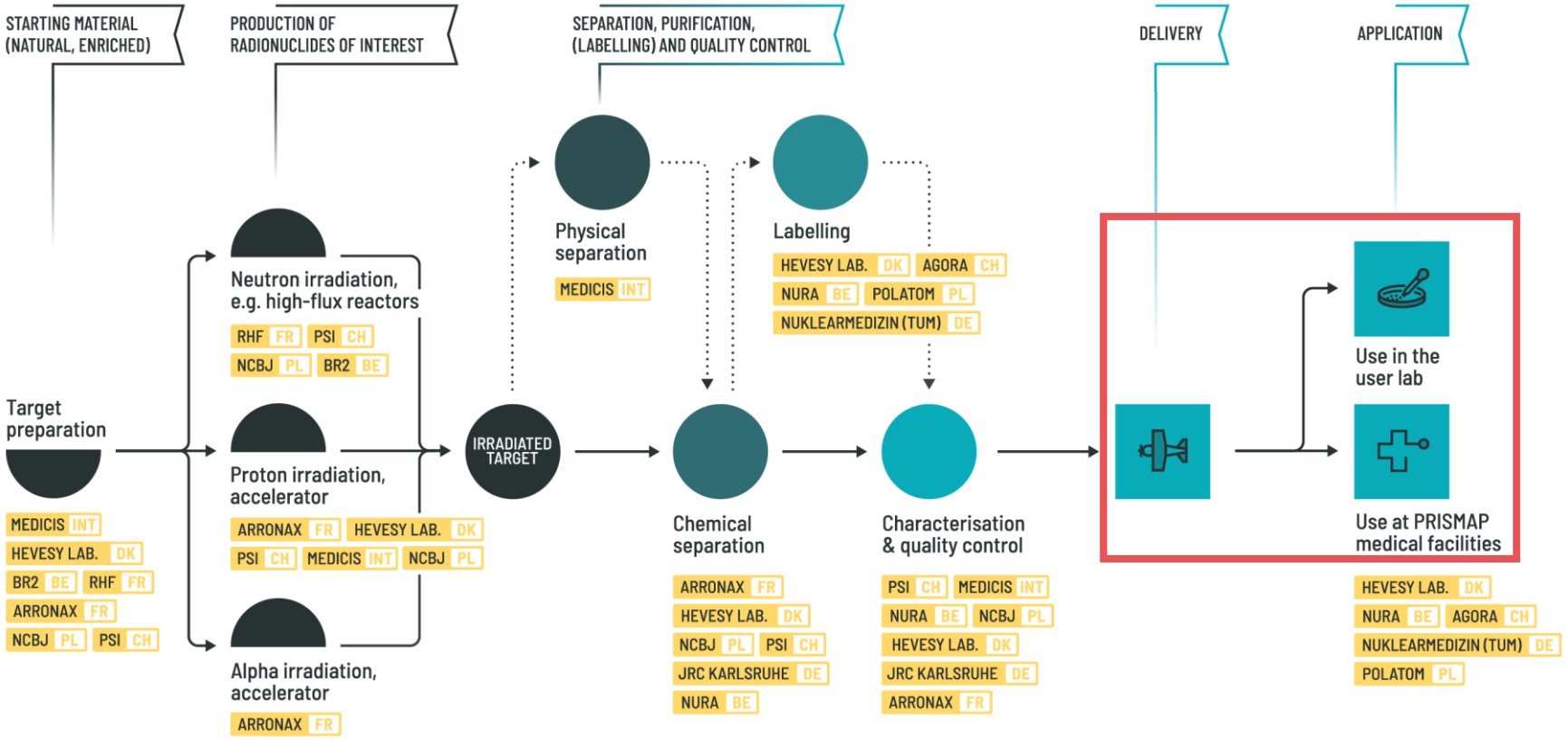
Physical infrastructure consisting of two main types:

- **Radioisotope production and separation facilities** (nuclear reactors, particle accelerators, radiochemistry facilities)
- **Medical facilities for pre-clinical research** up to first-in-human trials (radiopharmacy, imaging, …)

Mixture of international research facilities (CERN, ESS, FAIR, ILL, MYRRHA), national research facilities, research-industry partnerships, university hospitals.

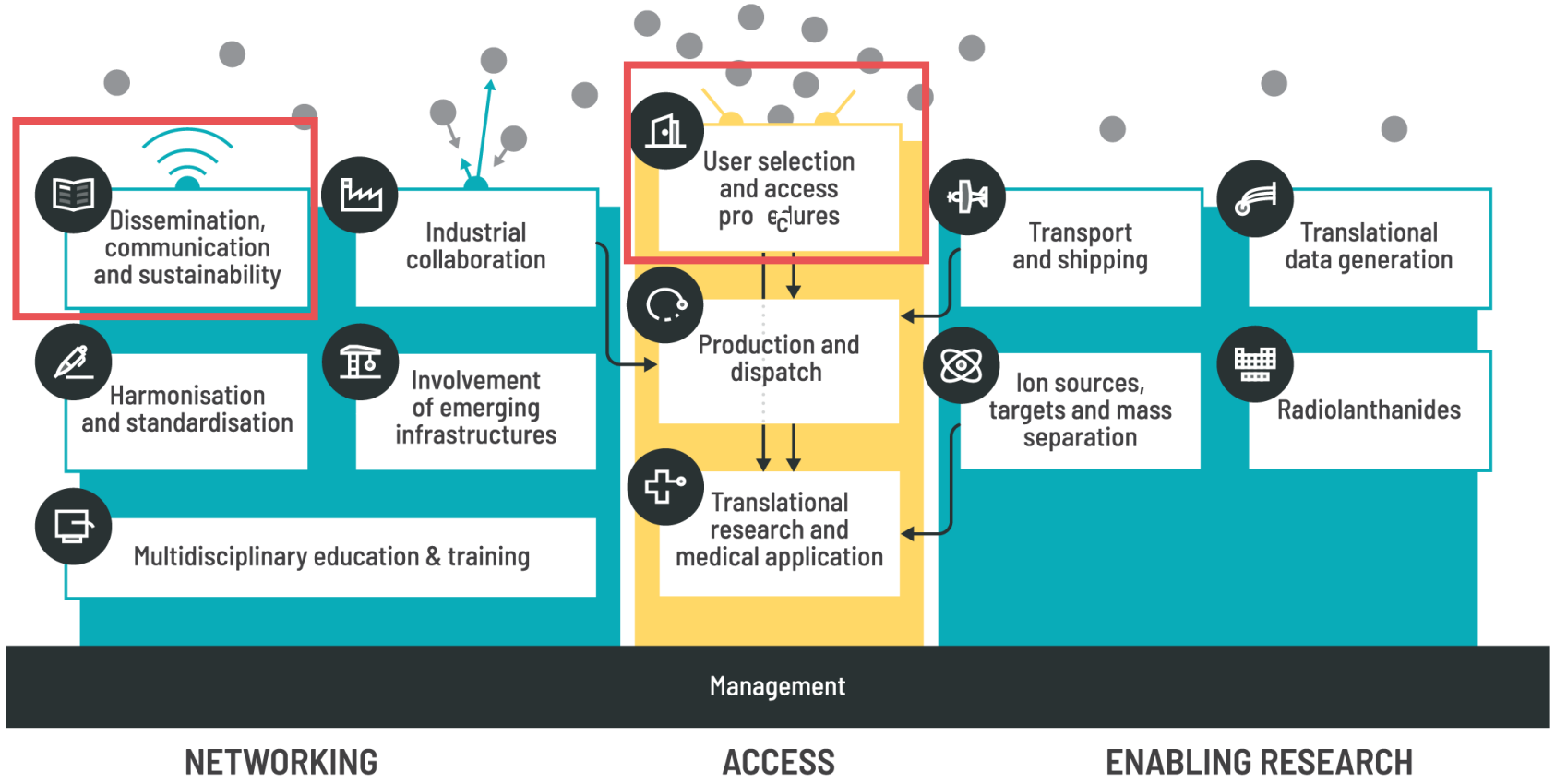
Many facilities are well established (ARRONAX, ILL), some are completely unique (CERN MEDICIS), and many facilities are at the planning stage, showing potential for future growth.

Supply model



- Our Trans National Access model is based on access to radionuclides that are commercially unavailable.
- Rather than bringing the researchers to our facilities, we bring our radionuclides to our users.
- We additionally offer services at our medical facilities where we perform research activities that may not be possible at our user's facilities (challenges with licensing of radionuclides, with long transport of short-living radionuclides).
- We provide a **central access point** for the European user community in nuclear medicine and molecular imaging interested by innovative radionuclides.

Mid- and long-term sustainability



- Our sustainability depends upon many factors: that of the individual infrastructures, that of our community, and that of our joint effort.
- Those aspects are addressed directly within a dedicated WP, within our management structure with a **Sustainability Manager** analysing the efforts made in that context, and through support of existing and future facilities.
- A WP is dedicated to the **emerging facilities**, with openness to new projects as they arise.
- Our communication tools are separated between project specific content and infrastructure related content, the latter meant to outlive the project (e.g. access platform).
- **Strategic relevance within the European Radioisotope Valley**, following the SAMIRA action plan of the European Commission

27 EU

PRISMAP

Medical Radionuclides

WWW.PRISMAP.EU

@MEDRADIONUCLIDE

PRISMAP PROJECT

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101008571 (PRISMAP).

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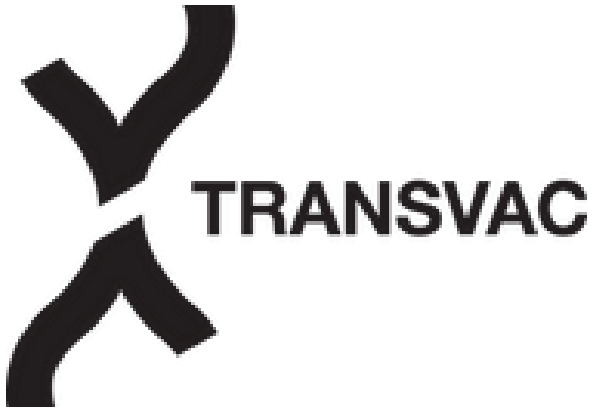
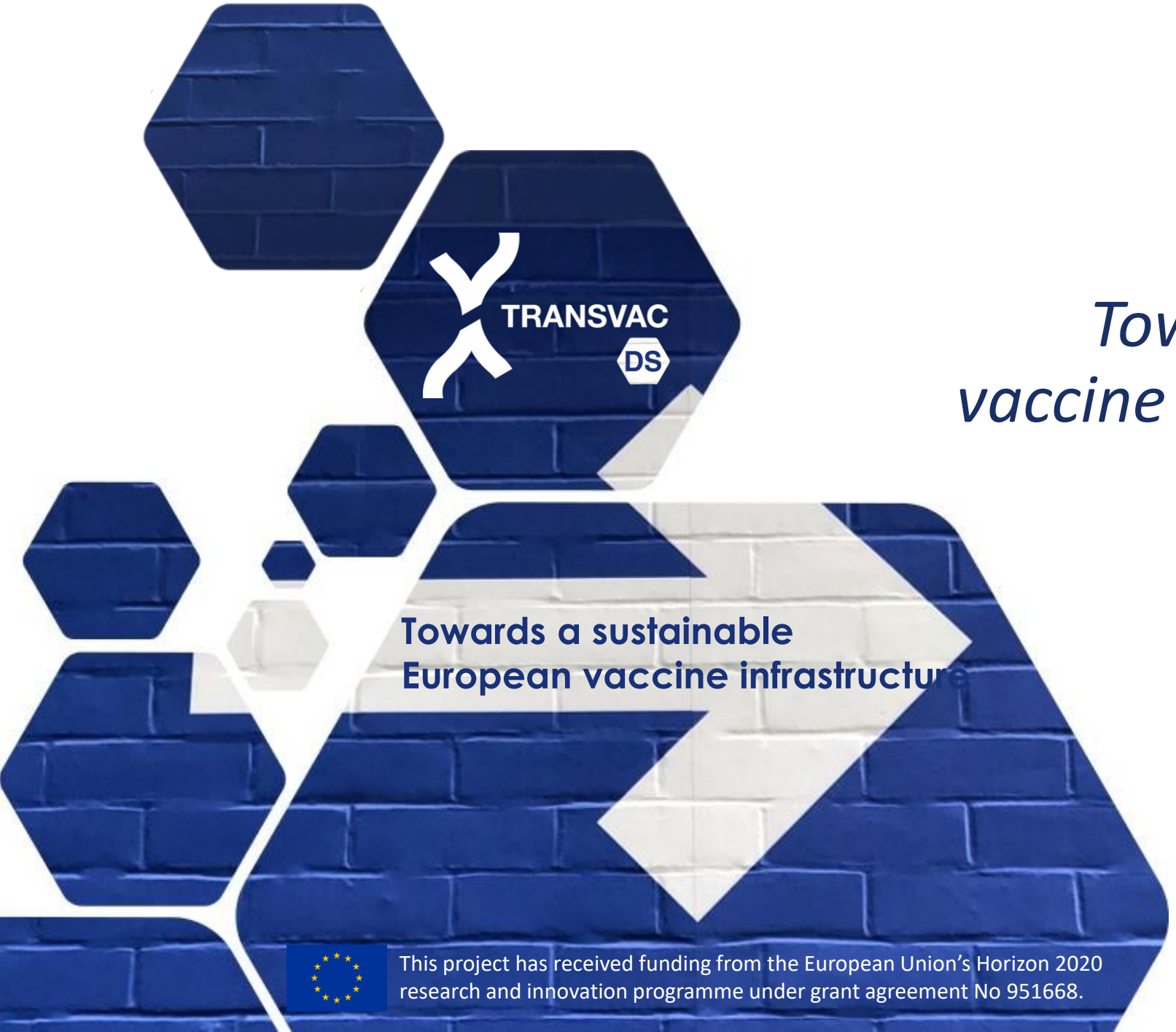


Stefan JUNGBLUTH



TRANSVAC

Towards a sustainable vaccine R&D infrastructure

19 Oct 2022

Stefan Jungbluth, PhD MBA

Head of Business Development

European Vaccine Initiative (EVI)

stefan.jungbluth@euvaccine.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951668.

TRANSVAC – Overall objectives

- Provide **high-value, cutting-edge scientific and technical services** and other **key expert advice and expertise** to **accelerate vaccine development**

- Human and veterinary vaccines in scope

TRANSVAC – In a nutshell

- TRANSVAC – a **distributed**, network-based research infrastructure
- Supported by EC **since 2009 via 3 research infrastructure projects**
- Total funding received to date: **approx. 26.5 million Euro**
- Integrates **26 research partners from 10 EU countries**
- In total, provided +70 technical services to +60 different vaccine development projects at different stages of development

TRANSVAC: Past, present - and future (?)

TRANSVAC1
- 2009-2013
- 14 partners / 5 interested parties
- 7 EU MS
- FP7 funded

Transition phase
- Continuation of certain services
- Organisation of events (workshops, meetings etc)
- Preparation/submission of follow-up grant

TRANSVAC2
- 2017-2022
- 25 partners
- 9 EU MS
- H2020 funded

TRANSVAC-DS
- 2020-2022
- 25 partners
- 10 EU MS
- H2020 funded

TRANSVAC *
- Permanent vaccine R&D infrastructure
- Implementation
- Operation

RI Rapid research responses to infect dis epidemics (ISIDORe)
- TRANSVAC partner in project
- 2021-2024
- 156 of partners
- 32 EU MS and other countries
- H Europe funded

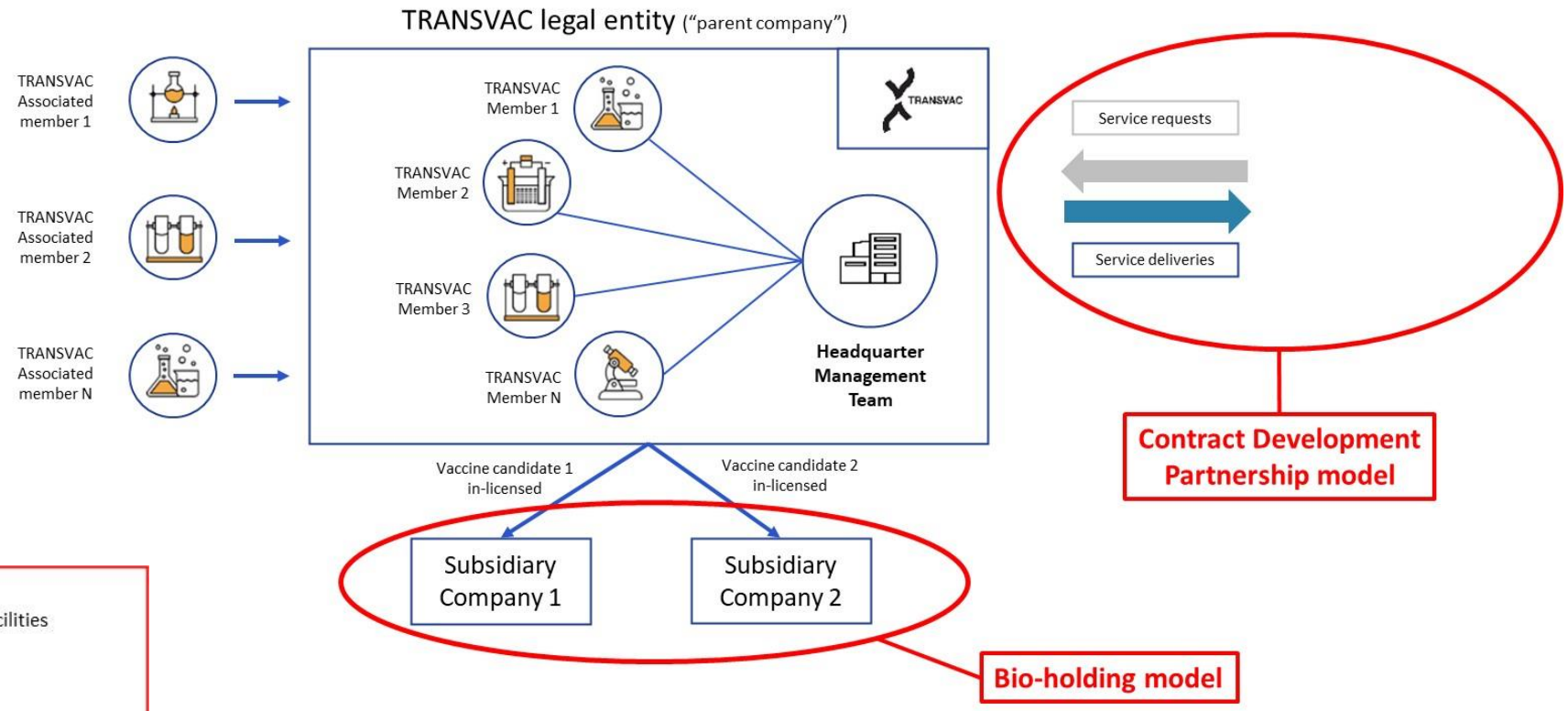
2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Concept development								Design & Preparation						Implemenation & Operation							

*: Activities currently under preparation

Dynamic business model

Model	Distinct value proposition
Bio-Holding	- Investor and business partner primarily for early-stage researchers and start-ups - Provide **funding** and **active business building support**
Contract development partnership (service provision)	- Contract development partner primarily for early-stage researchers and start-ups - Provide **access to a full suite of tailored value-chain / transversal services** and **project managers to oversee end-to-end vaccine development** - No access to funding

TRANSVAC – a sustainable infrastructure



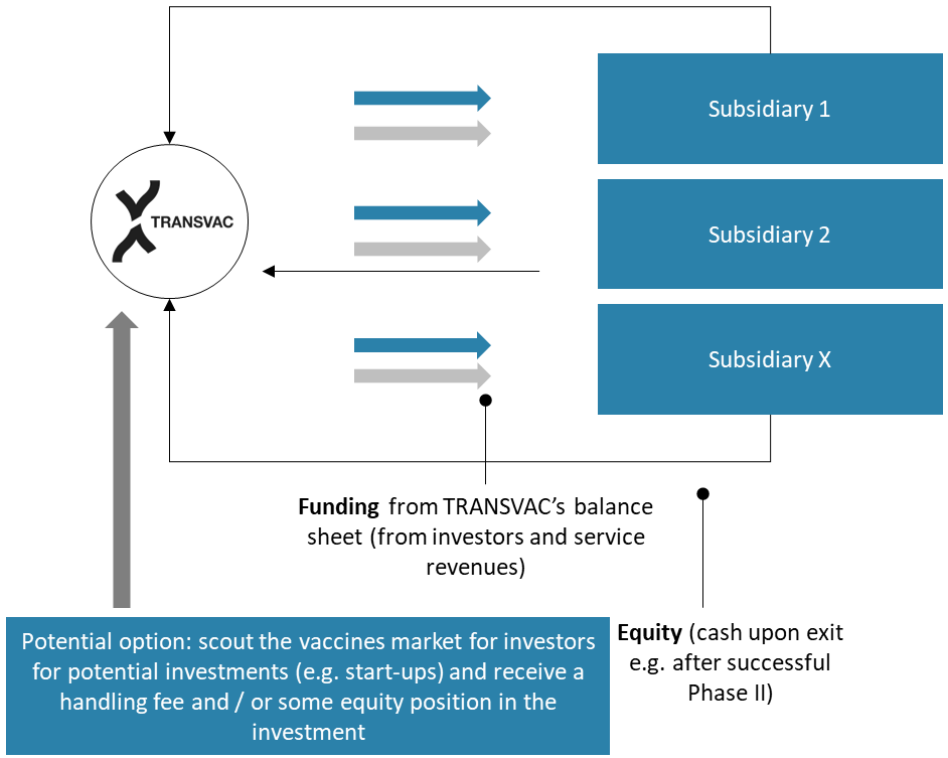
Each Member:

- Cutting-edge capacities & facilities
- Specialised knowledge

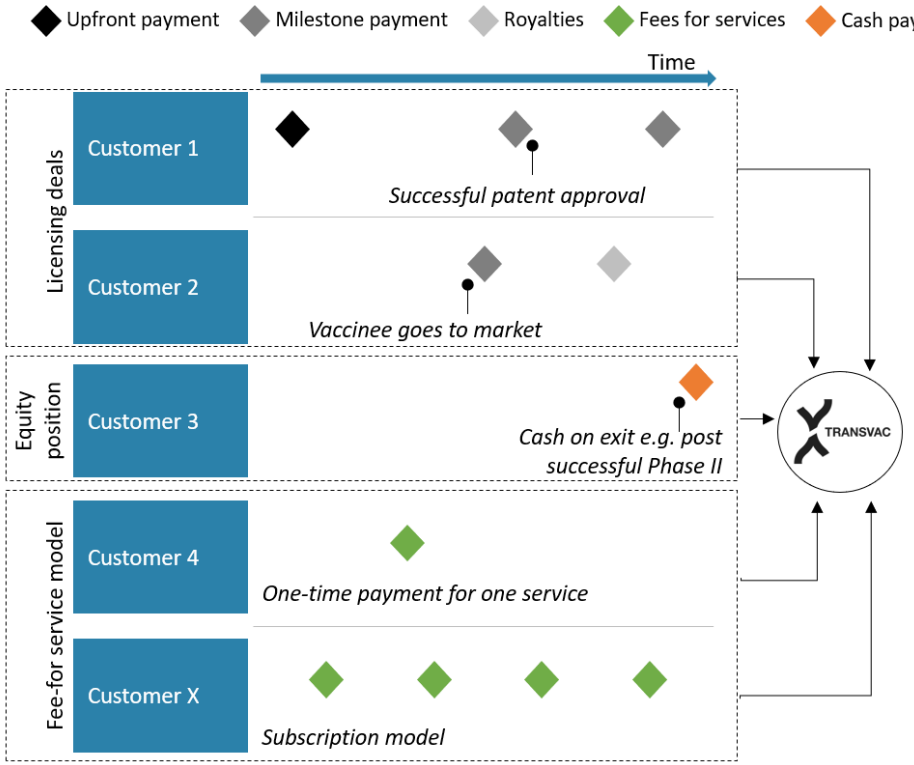
Together:

- High-value scientific-technical services & expertise

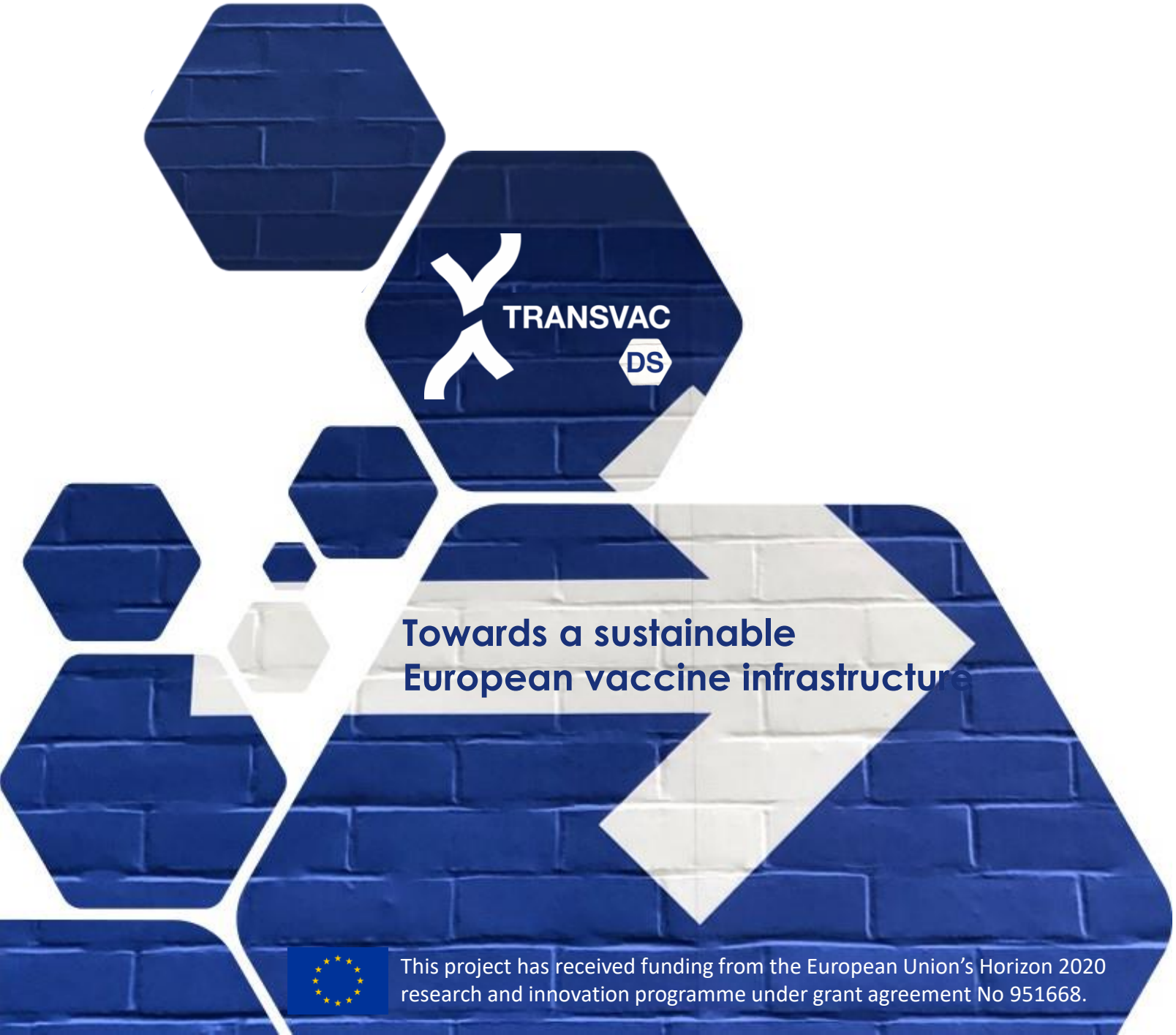
Dynamic model - Monetization



Bio-Holding



Contract Development Partnership



Thank you very much

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Find out more at transvac.org

Contact us transvacinfo@euvaccine.eu

Follow European Vaccine Initiative

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 951668.

LONG-TERM SUSTAINABILITY OF SMALL AND MID-SCALE DISTRIBUTED RI PROJECTS

19. 10. 2022, 9:00 - 12:00

ICRI 2022

side event

Keith T. BALINGALL

ICRI 2022 Side Event

Long-term sustainability of small & mid-scale distributed Research Infrastructure projects

VetBioNet – Veterinary Bio-contained facility Network for excellence in animal infectious disease research and experimentation

Project Background

VetBioNet is an **infrastructure** and **network project** targeting **epizootic** and **zoonotic diseases** of livestock and wildlife.

The project is focused on **high-impact infectious diseases** that require a **high-containment** (BSL3) environment.

VetBioNet gathers most of Europe's research infrastructures permitting studies on host-pathogen interactions in high-containment facilities.

10M Euro Funding from European Union's Horizon 2020 research and innovation programme, INFRAIA-01-2016-2017 call

28 participating partners, 12 countries.

March 2017 - Feb 2023 (with 1 year no-cost extension).

Coordinated by INRAe

Project structure

- Transnational access, (TNA)
- Networking activities, (NA)
  - Preparedness planning
  - Best practice
  - Ethics, 3Rs & social impact
  - Dissemination, training, data
  - **SUSTAINABILITY**
- Joint Research Activities, (JRA)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°731014

Options for mid and- long-term network sustainability

The objective was to develop a framework that ensures long term sustainability of the infrastructure network beyond the five-year funding period. Achieved by:

1) Identifying the activities and services to be maintained in the long-term
2) Identifying the legal structure best adapted to sustain the identified activities
3) Defining strategies for subsequent funding of this legal structure

- The option favoured by VetBioNet was to maintain key elements of VetBioNet with additional funding through Horizon Europe.
- Sought to develop new projects in collaboration with other research infrastructures, (ISIDORe).
- EU Candidate Partnership Animal Health & Welfare (PAHW) also presents a promising funding instrument to sustain VetBioNet activities related to veterinary infectious diseases (listed in the Horizon Europe Strategic Plan for 2021-2024

- Currently preparing an ERG agreement to maintain key infrastructure. ERG is a co-operation instrument formed between parties and tailor made by the members. No need for a financial contribution for the creation of the ERG. An ERG can operate with in-kind contributions and seconded staff from members.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°731014

Why an ERG would be useful for sustainability

Able to respond with an existing network to co-ordinate multi-partner research, funding applications (ISIDORe, PAHW)

Maintains the network, facilitate and encourage contacts and exchanges of researchers

Sustains collaborative activities

Ensure the harmonisation and complementarity of the programmes being pursued by meeetings, conferences, workshops devoted to themes relevant to the ERG

Encourage training activities.

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LONG-TERM SUSTAINABILITY OF SMALL AND MID-SCALE DISTRIBUTED RI PROJECTS

19. 10. 2022, 9:00 - 12:00

ICRI 2022

side event

VITALISE

Despoina PETSANI

VITALISE

Virtual health and Wellbeing Living Lab Infrastructure

Overall project goals and long-term sustainability

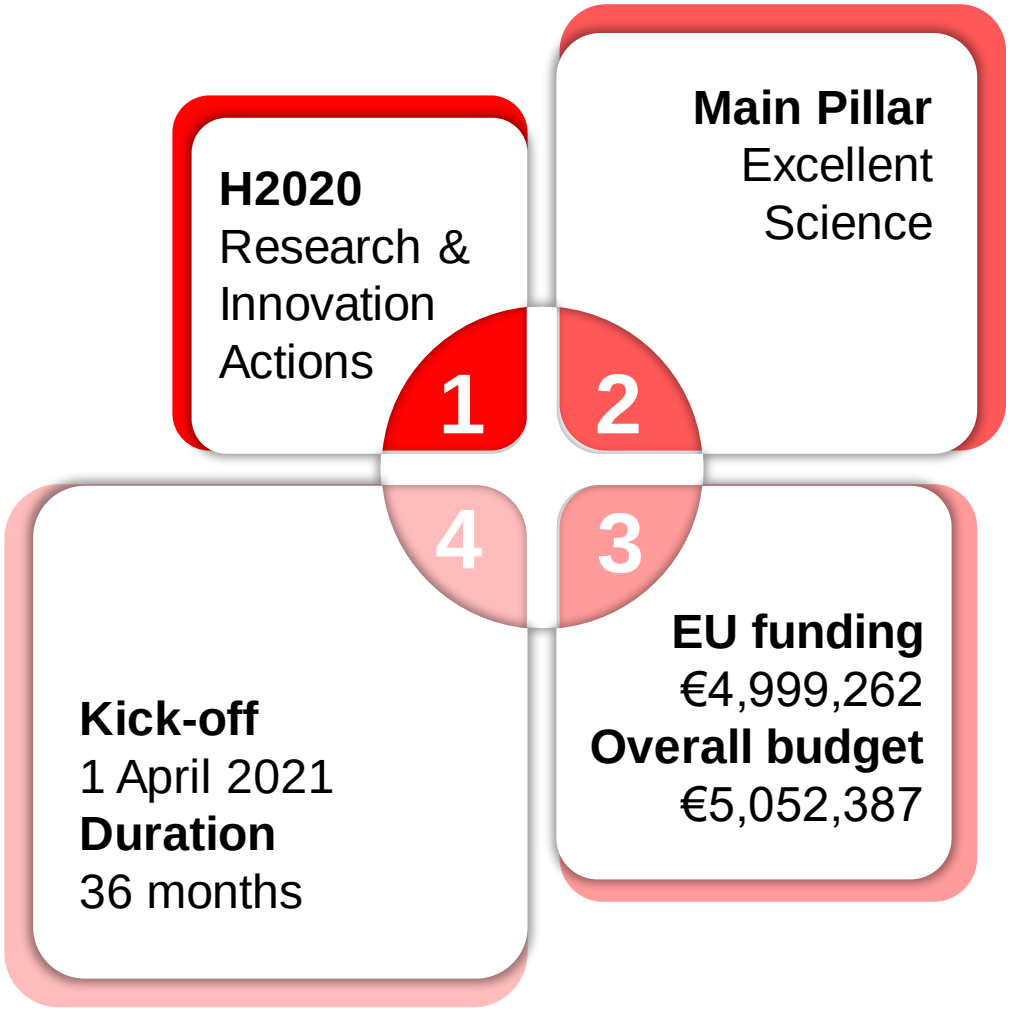
Despoina Petsani, Evdokimos Konstantinidis

Health & Wellbeing LLs, ENoLL

ThessAHALL, AUTH

This project has received funding from European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 101007990.

General Information



VITALISE

Virtual Health & Wellbeing Living Lab Infrastructure

- **Work programme**
  European research infrastructures (including e-Infrastructures)
- **Call**
  INFRAIA-02-2020: Integrating Activities for Starting Communities

Consortium

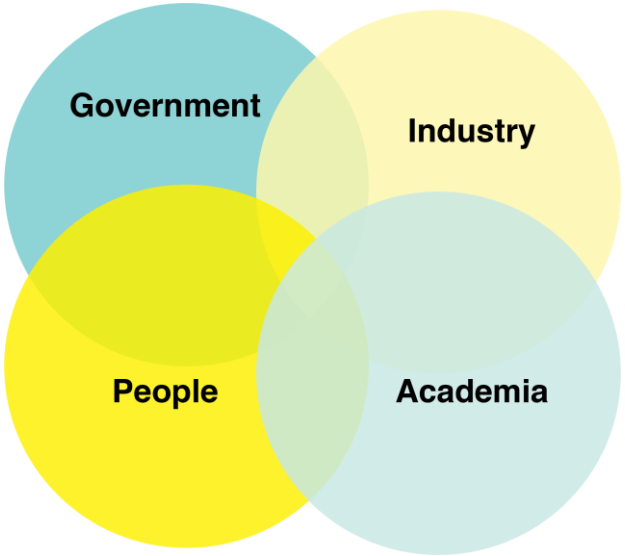
19 **Project Partners**
research institutions, universities, SMEs, partners with policy making capacities & strong technological curriculums

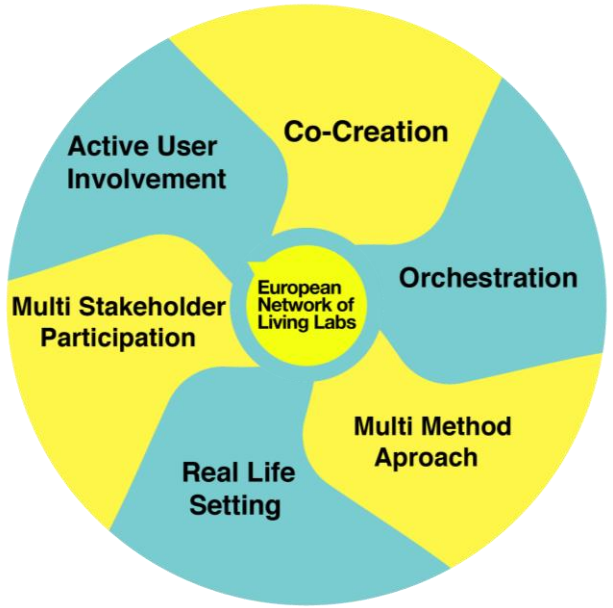
11 **Countries**
Belgium, Greece, Finland, Spain, Hungary, Austria, Italy, Bulgaria, France, Netherlands, Canada

2 **Continents**
Partners from 10 European countries & Canada

What are Living Labs?

- Living Labs operates as intermediaries/orchestrators among citizens, research organizations, companies & government agencies/levels.
- They focus on joint-value co -creation, rapid prototyping and testing and scaling-up innovations & businesses.
- They are open innovation ecosystems in real-life environments using iterative feedback processes throughout the lifecycle approach of an innovation.
- Within the wide variety of types of living labs and their implementations they all have common elements.





Research Infrastructures

Long-term sustainability

A marketplace where clients post projects and LLs place bids.

Free for ENoLL members

How it works?

Register
accelup.eu

Search/upload projects

Place/review bids

Seal the deal

Safe payment

Review

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Dr. Evdokimos Konstantinidis

Scientific coordinator:
Prof. Panos Bamidis

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