

# **Parternariati Europei e Joint Undertakings: aggiornamenti**

**13/09/2022**

**EU-Kontaktleutetreffen - Incontro delle Persone di contatto UE**

**Francesca Ricardi di Netro, Libera università di Bolzano**

**Laura Cherchi, Ufficio Ricerca Scientifica, Provincia di Bolzano**

1. Horizon Europe: European Partnerships
2. Horizon Europe: Co-Funded Partnerships
3. Co-Funded Partnerships and the Autonomous Province of Bolzano
4. Horizon Europe: The Joint Undertakings
5. Conclusion: some Key Messages

# Horizon Europe: Partnerships

## EU PARTNERSHIPS:

- initiatives where the **EU work together with private and public partners**
- they will be **established only in cases where they will achieve objectives of Horizon Europe more effectively**

## AIM:

- commit to jointly support the development and implementation of ERA and the European policy (achieve concrete results)
- Systemic approach: **overcome fragmentation in the R&I** programmes and **avoid duplication** (bring together many actors by establishing a common vision and roadmap = SRIA strategic r&i agenda), create links with other Partnerships / EU funds
- Reach a critical mass of investment
- Establish long term European network



- **Simple architecture and toolbox**
- **New approach to Partnership: more impact-driven**

## Horizon Europe: 3 Types of Partnerships

### Co-programmed

Based on contractual arrangement / MoU; implemented independently by the partners and by Horizon Europe

### Co-funded

Based on a joint programme agreed by partners (Grant Agreement); MS/ACs design a common programme to be implemented under their responsibility.

### Institutionalised

Partnerships based on Articles 185 /187 of TFEU and the EIT-Regulation supported by Horizon Europe. Implementation by a dedicated structure.

# Horizon Europe: Co-funded Partnerships

## BRIEF DEFINITION:

- Partnerships involving EU and associated countries, in particular research funding bodies and other public authorities; **from 2021 regions and autonomous provinces can also participate;**
- The participating States contribute their own resources in cash and in kind, to which the Commission adds a co-financing of approximately 30%.

## AIM:

- They publish transnational calls for research and development projects
- They carry out further activities foreseen in the work program agreed with the Commission (e.g. facilitating dialogue between science, politics, businesses and society, establishing knowledge hubs, promoting capacity building)
- They manage the partner network by creating a long-term network

# Horizon Europe: Partnerships 49 in the Strategic Plan 2021-2024

## PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen
Global Health Partnership	Smart Networks & Services	Clean Aviation
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)
Rare diseases*	Photonics	Batteries
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People
	Global competitive space systems**	Clean Energy Transition
		Driving Urban Transitions

- Institutionalised Partnerships (Art 185/7)
- Institutionalised partnerships / EIT KICs
- Co-Programmed
- Co-Funded

\* Calls with opening dates in 2023-24

\*\* Calls with opening dates not before 2022

## PILLAR III - Innovative Europe

EIT	SUPPORT TO INNOVATION ECOSYSTEMS
InnoEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	
<b>CROSS-PILLARS II AND III</b>	
European Open Science Cloud	



# EU Partnerships: Italian Participation

## Partnership Portfolio

### HEALTH

#### EU-Africa Global Health

Innovative Health Initiative  
Chemicals Risk Assessment

#### ERA for Health research

#### Transforming Health and care Systems

#### Personalised Medicine

#### Rare Diseases

#### One Health AMR

#### Pandemic Preparedness

### DIGITAL, INDUSTRY AND SPACE

#### High Performance Computing

#### Key Digital Technologies

#### Smart Networks and Services

#### AI, data and robotics

#### Photonics Europe

#### Clean Steel - Low Carbon Steelmaking

#### European Metrology

#### Made in Europe

#### Carbon Neutral and Circular Industry

#### Global competitive space systems

### PILLAR III AND CROSS-PILLAR

#### EIT Climate KIC

#### EIT Health

#### EIT Manufacturing

#### EIT Food

#### EIT InnoEnergy

#### EIT Manufacturing

#### EIT Raw Materials

#### EIT Digital

#### EIT Urban Mobility

#### EIT Cultural and Creative Industries

#### Innovative SMEs

#### European Open Science Cloud (EOSC)

#### EURATOM

#### EUROfusion

#### Radiation protection

#### EURAD

### CLIMATE, ENERGY AND MOBILITY

#### Transforming Europe's rail system

#### Integrated Air Traffic Management

#### Clean Aviation

#### Clean Hydrogen

#### Built environment and construction

#### Towards zero-emission road transport

#### Mobility and Safety for Automated Road Transport

#### Batteries

#### Clean Energy Transition

#### Driving the Urban Transformation

#### Smart and zero-emission waterborne transport

### FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

#### Accelerating farming systems transition

#### Animal health: Fighting infectious diseases

#### Environmental Observations for a sustainable EU agriculture

#### Rescuing biodiversity to safeguard life on Earth

#### A climate neutral, sustainable and productive Blue Economy

#### Safe and Sustainable Food System for People, Planet & Climate

#### Circular bio-based Europe

#### Water4All: Water security for the planet

## Horizon Europe: Co-funded Partnerships and the Autonomous Province of Bolzano

The Autonomous Province of Bolzano was the **first Italian Region** join a European Partnership (co-funded):

- in 2021 the PAB became member

**“Rescuing biodiversity to safeguard life on Earth”**



- in 2022 the PAB expressed its interest to join two of the future European Partnerships:
  1. **Accelerating farming systems transition: agroecology living labs and research infrastructures**
  2. **Sustainable food systems for people, planet and climate**



### “Rescuing biodiversity to safeguard life on Earth”

“Biodiversa+ is the European Biodiversity Partnership supporting **excellent research on biodiversity with an impact for society and policy.**” [Info](#)

- ✓ Promote and support R&I programs and projects; Promote and support transnational biodiversity monitoring
- ✓ Promote and support design and implementation of Nature based Solutions, and valuation of biodiversity in some private sectors
- ✓ Better connect R&I programmes and projects to policy
- ✓ Internationalisation of European R&I

#### **Status:** started

- October 2021: publication of the 1st call (under evaluation: 8 projects from South Tyrol).
- 8<sup>th</sup> September 2022: publication of the 2nd call
- **PAB co-financing:** 0.5 M for projects from South Tyrol + participation in the "Transnational Biodiversity Monitoring" with South Tyrol Biodiversity Monitoring (Eurac)

# Horizon Europe: Co-funded Partnerships: Agroecology

## “ Accelerating farming systems transition: agroecology living labs and research infrastructures ”

The partnership aims to structure and support a network of **living labs** and **research infrastructures** that will accelerate **the transition towards agroecology throughout Europe**.

It will provide spaces for long-term, site-specific, multi-stakeholder and real-life experimentation, and direction for research activities on agroecology at the European and national levels.

It will deliver ready-to adopt practices that support farmers in understanding and implementing agroecological practices at the scale needed for positive economic, environmental and social impacts.

### [Info](#)

**Status:** under definition. SRIA (Strategic Research and Innovation Agenda) under evaluation. The partnership is expected in early 2024. (call for proposal in HE programme in 2023)

**PAB co-financing:** under definition. To be determined.

# Horizon Europe: Co-funded Partnerships: Food System

## “ Sustainable food systems for people, planet and climate”

The SSFS partnership will enable network partners to co-create and deploy R&I actions in support of food systems transition. The objective of SSFS is ‘to collectively develop and implement an EU-wide mission-oriented **research and innovation partnership to accelerate the transition towards healthy diets that are safe and sustainably produced and consumed in resilient EU and global food systems.**

Contribution to the first narrative from some research institutes of Bolzano (FUB + Laimburg) via the ERIAFF network

INFO: <https://scar-europe.org/index.php/food-main-actions/food-systems-partnership>

**Status:** under elaboration. The partnership is expected in early 2024. (call for proposal in HE programme in 2023)

**PAB co-financing:** under definition. To be determined.

# Horizon Europe: the Joint Undertakings

## BRIEF DEFINITION:

The Joint Undertaking are partnerships between the European Union and public and / or private entities.

- They are characterized by a long-term perspective and a high level of integration, **implemented by structures created ad hoc** in continuity with the Joint Technologies Initiative of Horizon 2020. (based on Article 187 of the TEU)
- They are external parties to whom the Commission delegates part of the implementation of HE
- Objectives: to avoid duplication of investments and to reduce the fragmentation of R&I activities within the Union
- important financial EU resources: over 20 billion euros

## COSA FANNO:

- They publish annual transnational calls for research and development and innovation projects (separate work programs)
- They develop concrete results: scientific excellence and practical applications
- They use a broad range of resources (European, national, **industrial**, research) to offer concrete solutions to commit with the European policy agenda / priorities

# Horizon Europe: the Joint Undertakings



## Sommario

Introduzione	6
Le tre tipologie di partenariato	8
Le Joint Undertaking - Elementi comuni	11
I partenariati nel Cluster 1 'Salute'	17
Innovative Health Initiative	17
Global Health EDCTP3	21
I partenariati nel Cluster 4 'Digitale, Industria e Spazio'	26
High Performance Computing	26
Key Digital Technologies	29
Smart Networks and Services	33
I partenariati nel Cluster 5 'Clima, Energia e Mobilità'	38
Clean Hydrogen	38
Europe's Rail	42
Clean Aviation	46
Single European Sky	50
I partenariati nel Cluster 6 'Cibo, Bioeconomia, Risorse Naturali, Agricoltura e Ambiente'	54
Circular Bio-Based Europe	54
Cos'è e cosa fa il GIURI	58

[https://apre.it/wp-content/uploads/2022/07/Vademecum\\_JU\\_2022.pdf](https://apre.it/wp-content/uploads/2022/07/Vademecum_JU_2022.pdf)

## CONCLUSION: SOME KEY MESSAGES

HORIZON EUROPE EUROPEAN PARTNERSHIPS: DIFFERENCES AND POTENTIALITIES

SYNERGIES WITH OTHER PROGRAMMES (i.e. SYNERGIES WITH STRUCTURAL FUNDS  
[https://ec.europa.eu/regional\\_policy/en/information/publications/communications/2022/synergies-between-erdf-programmes-and-horizon-europe](https://ec.europa.eu/regional_policy/en/information/publications/communications/2022/synergies-between-erdf-programmes-and-horizon-europe)

LINK TO THE S3 REGIONAL PRIORITIES

IMPORTANCE OF SHARING IDEAS AND WORKING TOGETHER

ERIAFF NETWORK: AGROECOLOGY WORKING GROUP (chair FUB)  
[www.eriaff.com](http://www.eriaff.com)

**Grazie per l'attenzione**

**Thank you for your attention!**

**Vielen Dank für ihre Aufmersamkeit!**

## Contacts

**Francesca Ricardi di Netro**

*Research Policy Officer*

[francesca.ricardi@unibz.it](mailto:francesca.ricardi@unibz.it)

M: +39 3316742961

---

**Quality and Strategy Development  
Free University of Bozen-Bolzano**

**Jointly with:**

**Autonomous Province Bolzano – South Tyrol:  
-34. Innovation, Research, University and Museum-  
Research Centre Laimburg**

**Laura Cherchi**

*Ufficio Ricerca scientifica*

[Laura.cherchi@provinz.bz.it](mailto:Laura.cherchi@provinz.bz.it)

T: +39 0471413724

---

**Autonomous Province Bolzano – South Tyrol:  
-34. Innovation, Research, University and Museum-  
Research Centre Laimburg**