

# DESTINATIONS FOR UNISG AND ITS NETWORK IN HORIZON EUROPE AND THE ITALIAN PNR (PROGRAMMA NAZIONALE RICERCA) 2021-2027

*Research Office UNISG*



University of Gastronomic Sciences  
Università degli Studi  
di Scienze Gastronomiche

# Horizon Europe & the Italian PNR 2021-2027

---

**2021-2027:** time frame coinciding between Horizon Europe and the PNR.

**The Italian Programma Nazionale per la Ricerca (PNR) 2021-2027 constitutes the strategic architecture for the national R&I system:**


The PNR brings together and optimizes, with rigorous coherence, all the country's interventions on research, while respecting the autonomy of the actors involved.

The international context and, in particular, the **Horizon Europe programme**, must be recognized as the natural playground for our Italian R&I system.

# Horizon Europe & the Italian PNR 2021-2027

## The PNR Major Areas of Research and Innovation and the related Thematic Areas

SALUTE	CULTURA UMANISTICA, CREATIVITÀ, TRASFORMAZIONI SOCIALI, SOCIETÀ DELL'INCLUSIONE	SICUREZZA PER I SISTEMI SOCIALI	INFORMATICA, INDUSTRIA, AEROSPAZIO	CLIMA, ENERGIA, MOBILITÀ SOSTENIBILE	TECNOLOGIE SOSTENIBILI, AGROALIMENTARE, RISORSE NATURALI E AMBIENTALI	
Temi Generali	Patrimonio culturale	Sicurezza delle strutture, infrastrutture e reti	Transizione digitale - I4.0	Mobilità sostenibile	Green technologies	
Tecnologie farmaceutiche e farmacologiche	Discipline storico, letterarie e artistiche	Sicurezza sistemi naturali	High performance computing e big data	Cambiamenti climatici, mitigazione e adattamento	Tecnologie alimentari	
Biotecnologie	Antichistica	Cybersecurity	Intelligenza Artificiale	Energetica industriale	Bioindustria per la Bioeconomia	
Tecnologie per la salute	Creatività, design e made in Italy	Cluster 3 (Civil security for society)	Robotica	Energetica ambientale	Cluster 6 (Food, Bioeconomy, Natural Resources, Agriculture and Environment)	
Cluster 1 (Health)	Trasformazioni sociali e società		Tecnologie quantistiche	Cluster 5 (Climate, Energy and Mobility)		
	Cluster 2 (Culture, Creativity and Inclusive Society)		Cluster 4 (Digital, Industry and Space)			



Università di Scienze  
Gastronomiche di Pollenzo  
University of Gastronomic Sciences of Pollenzo

Piazza Vittorio Emanuele 9, Pollenzo, Italia | [www.unipol.it](http://www.unipol.it)



# UNISG - Cluster 2 destinations

---

## CLUSTER 2 - CULTURE, CREATIVITY AND INCLUSIVE SOCIETY

**Destination 1 – Innovative Research on Democracy and Governance**

**Destination 2 – Innovative Research on the European Cultural Heritage and the Cultural and Creative Industries (CCI)**

HORIZON-CL2-HERITAGE: Preserving and enhancing cultural heritage with advanced digital technologies

HORIZON-CL2-HERITAGE: The role of perceptions, formed by traditions, values and beliefs, in shaping European societies and politics in the 21st century

**Destination 3 - Innovative Research on Social and Economic Transformations**

....

# UNISG - Cluster 6 destinations

---

## **CLUSTER 6** - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

- 1. Biodiversity and Ecosystem Services**
- 2. Fair, healthy and environmentally-friendly food systems from primary production to consumption**
- 3. Circular economy and bioeconomy sectors**
- 4. Clean environment and zero pollutions**
- 5. Land, oceans and water for climate actions**
- 6. Resilient, inclusive, healthy and green rural, coastal and urban communities**
- 7. Innovative governance, environmental observations and digital solutions in support of the Green Deal.**

# UNISG - Cluster 6 destinations

---

## CLUSTER 6 - FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

### 1. Biodiversity and Ecosystem Services (HORIZON-CL6-BIODIV):

- Assessing the nexus of extraction, production, consumption, trade and **behaviour patterns** and of climate change action on biodiversity in the context of **transformative change**
- Understanding the role of **behaviour, gender specifics, lifestyle, religious and cultural values**, and addressing the role of enabling players (civil society, policy makers, financing and business leaders, retailers) in decision making

# UNISG - Cluster 6 destinations

---

## 2. Fair, healthy and environmentally-friendly food systems from primary production to consumption (HORIZON-CL6-FARM2FORK) (1):

Transforming food systems for health, sustainability and inclusion (2021):

- Farm-to-Fork **transparency and consumer engagement**
- Filling knowledge gaps on the nutritional, safety, allergenicity and environmental assessment of **alternative proteins and dietary shift**
- Evidence-based decision-making to change social norms towards **zero food waste**
- Transition to healthy and sustainable **dietary behaviour**
- Identification, assessment and management of existing and emerging **food safety** issues
- Increasing the **transparency of EU food systems** to boost health, sustainability and safety of products, processes and diets

# UNISG - Cluster 6 destinations

---

## 2. HORIZON-CL6-FARM2FORK (2) :

**Targeted international cooperation (2021):**

- One Health approach for **Food Nutrition Security and Sustainable Agriculture (FNSSA)**

**Enabling sustainable fisheries and aquaculture (2022):**

- Innovative solutions to prevent adulteration of food bearing **quality labels**: focus on organic food and geographical indications
- Building **alternative protein-friendly sustainable and healthy food** environments
- Research and innovation for **food losses and waste** prevention and reduction through harmonised measurement and monitoring
- **Microbiomes** in food production systems
- Effective systems for **authenticity and traceability** in the food system



# UNISG - Cluster 6 destinations

---

## 3. Circular economy and bioeconomy sectors (HORIZON - CL6 - CIRCBIO):

Enabling a circular economy transition:

- Innovative solutions to **over-packaging** and single-use plastics, and related microplastic pollution

Innovating sustainable bio-based systems and the bioeconomy:

- Sustainable **biodegradable novel bio-based plastics**: innovation for sustainability and end-of-life options of plastics

Safeguarding the multiple functions of EU forests:

- Harnessing the **digital revolution in the forest-based sector**

# UNISG - Cluster 6 destinations

---

## 6. Resilient, inclusive, healthy and green rural, coastal and urban communities (HORIZON-CL6-COMMUNITIES):

- Enhancing the contribution of rural communities to **ecological, digital and social transitions**
- Integrated urban **food system** policies
- **Social innovation** in food sharing to strengthen urban communities' food resilience
- **Nature-based solutions for more inclusive and resilient communities**

# UNISG - Cluster 6 destinations

---

## 7. Innovative governance, environmental observations and digital solutions in support of the Green Deal (HORIZON-CL6-GOVERNANCE):

- Revitalisation of European local communities with innovative bio-based business models and **social innovation**
- Piloting approaches and tools to **empower citizens** to exercise their “data rights” in the area of food and nutrition
- Mobilisation of society to **transform food systems**

# Q&A session

---

Please go back to Sli.Do.: <https://www.sli.do/>

Event code: #891325

*« Which Horizon Europe **destination(s)** is more interesting for you/your organization? »*

*« Which are the **keywords** for UNISG research in the future? »*

Are there other  
topics/ideas you want to  
propose?

<https://www.sli.do/>

[illegible]

Area Ricerca UNISG





Contatti: [ricerca@unisg.it](mailto:ricerca@unisg.it)