

# EU PROGRAM ZA ISTRAŽIVANJE I INOVACIJE – HORIZONT EVROPA

## Sadržaj Radnog programa 2021/22 (otvoreni pozivi):

### **Klaster 6: Hrana, bioekonomija, prirodni resursi, poljoprivreda i životna sredina**

Klaster 6 će ostvariti sedam specifičnih očekivanih uticaja (destinacija):

- Destinacija 1. Usluge usmjerene na biodiverzitet i ekosisteme
- Destinacija 2. Pravični, zdravi i ekološki prihvatljivi prehrambeni sistemi od primarne proizvodnje do potrošnje
- Destinacija 3. Sektori cirkularna ekonomija i bioekonomija
- Destinacija 4. Čista okolina i nulta stopa zagađenja
- Destinacija 5. Zemlja, okeani i voda za klimatsko djelovanje
- Destinacija 6. Otporne, inkluzivne, zdrave i zelene ruralne, primorske i urbane zajednice
- Destinacija 7. Inovativno upravljanje, posmatranje životne sredine i digitalna rješenja kao podrška Zelenom dogovoru

U okviru svake destinacije nalaze se određene teme, odnosno pozivi za 2021/22 godinu. U nastavku, biće predstavljeni otvoreni pozivi za 2021. godinu.

#### **Rokovi u 2021. godini**

Otvaranje: 22. Jun 2021.

Zatvaranje: 06. Oktobar 2021.

### **Destination 1 – Biodiversity and ecosystem services / HORIZON-CL6-2021-BIODIV-01**

**Budget (EUR million): 194.50**

Otvoreni pozivi:

#### **Understanding biodiversity decline**

HORIZON-CL6-2021-BIODIV-01-01: European participation in global biodiversity genomics endeavours aimed at identifying all biodiversity on Earth

HORIZON-CL6-2021-BIODIV-01-02: Data and technologies for the inventory, fast identification and monitoring of endangered wildlife and other species groups

HORIZON-CL6-2021-BIODIV-01-03: Understanding and valuing coastal and marine biodiversity and ecosystems services

HORIZON-CL6-2021-BIODIV-01-04: Assess and predict integrated impacts of cumulative direct and indirect stressors on coastal and marine biodiversity, ecosystems and their services

### **Valuing and restoring biodiversity and ecosystem services**

HORIZON-CL6-2021-BIODIV-01-05: The economics of nature-based solutions: cost-benefit analysis, market development and funding

HORIZON-CL6-2021-BIODIV-01-06: Nature-based solutions, prevention and reduction of risks and the insurance sector

HORIZON-CL6-2021-BIODIV-01-07: Ecosystems and their services for an evidence-based policy and decision-making

HORIZON-CL6-2021-BIODIV-01-08: Supporting the development of a coherent and resilient Trans-European Nature Network

HORIZON-CL6-2021-BIODIV-01-09: Assessing and consolidating recent scientific advances on freshwater ecosystem restoration

HORIZON-CL6-2021-BIODIV-01-10: Demonstration of measures and management for coastal and marine ecosystems restoration and resilience in simplified socio-ecological systems.

HORIZON-CL6-2021-BIODIV-01-11: What else is out there? Exploring the connection between biodiversity, ecosystems services, pandemics and epidemic risk

HORIZON-CL6-2021-BIODIV-01-12: Improved science based maritime spatial planning and identification of marine protected areas

### **Managing biodiversity in primary production**

HORIZON-CL6-2021-BIODIV-01-13: Breeding for resilience: focus on root-based traits

HORIZON-CL6-2021-BIODIV-01-14: Fostering organic crop breeding

### **Enabling transformative change on biodiversity**

HORIZON-CL6-2021-BIODIV-01-15: Quantify impacts of the trade in raw and processed biomass on ecosystems, for offering new leverage points for biodiversity conservation, along supply chains, to reduce leakage effects

HORIZON-CL6-2021-BIODIV-01-16: Biodiversity, water, food, energy, transport, climate and health nexus in the context of transformative change

HORIZON-CL6-2021-BIODIV-01-17: Policy mixes, governance (including financing) and decision-making tools for transformative action on biodiversity

HORIZON-CL6-2021-BIODIV-01-18: Understanding the impacts of and the opportunities offered by digital transformation, new emerging technologies and social innovation on biodiversity

### **Interconnecting biodiversity research and supporting policies**

HORIZON-CL6-2021-BIODIV-01-19: A mechanism for science to inform implementation, monitoring, review and ratcheting up of the new EU biodiversity strategy for 2030 ('Science Service')

HORIZON-CL6-2021-BIODIV-01-20: Support to processes triggered by IPBES and IPCC

HORIZON-CL6-2021-BIODIV-01-21: Impact and dependence of business on biodiversity

## **Destination 2 – Fair, healthy and environment-friendly food systems from primary production to consumption / HORIZON-CL6-2021- FARM2FORK-01**

**Budget (EUR million): 186.00**

Otvoreni pozivi:

### **Enabling sustainable farming**

HORIZON-CL6-2021-FARM2FORK-01-01: Reaching the farm to fork target: R&I scenarios for boosting organic farming and organic aquaculture in Europe

HORIZON-CL6-2021-FARM2FORK-01-02: Developing sustainable and competitive land-based protein crop systems and value chains

HORIZON-CL6-2021-FARM2FORK-01-03: Digitalisation as an enabler of agroecological farming systems

HORIZON-CL6-2021-FARM2FORK-01-04: Tackling outbreaks of plant pests

HORIZON-CL6-2021-FARM2FORK-01-05: Animal welfare 2.0

HORIZON-CL6-2021-FARM2FORK-01-06: Vaccines and diagnostics for priority animal diseases

HORIZON-CL6-2021-FARM2FORK-01-07: Research & innovation roadmap for blockchain technologies in the agri-food sector

HORIZON-CL6-2021-FARM2FORK-01-08: Uncovering lock-ins and levers to encourage farmers to move to and stay in sustainable, climate-neutral and biodiversity-friendly farming systems: from experiments to systemic mechanisms

HORIZON-CL6-2021-FARM2FORK-01-09: Towards an EU approach to assess and internalise positive and negative externalities of food for incentivising sustainable choices

### **Enabling sustainable fisheries and aquaculture**

HORIZON-CL6-2021-FARM2FORK-01-10: Sea to fork transparency and consumer engagement

HORIZON-CL6-2021-FARM2FORK-01-11: Digital transition supporting inspection and control for sustainable fisheries

### **Transforming food systems for health, sustainability and inclusion**

HORIZON-CL6-2021-FARM2FORK-01-12: Filling knowledge gaps on the nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift

HORIZON-CL6-2021-FARM2FORK-01-13: Evidence-based decision-making to change social norms towards zero food waste

HORIZON-CL6-2021-FARM2FORK-01-14: Microbes for healthy and sustainable food and diets

HORIZON-CL6-2021-FARM2FORK-01-15: Transition to healthy and sustainable dietary behaviour

HORIZON-CL6-2021-FARM2FORK-01-16: Identification, assessment and management of existing and emerging food safety issues

HORIZON-CL6-2021-FARM2FORK-01-17: Increasing the transparency of EU food systems to boost health, sustainability and safety of products, processes and diets

#### **Targeted international cooperation**

HORIZON-CL6-2021-FARM2FORK-01-18: One Health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)

HORIZON-CL6-2021-FARM2FORK-01-19: EU-China international cooperation on integrated pest management in agriculture

### **Destination 3 – Circular economy and bioeconomy sectors / HORIZON-CL6-2021- CIRC BIO-01**

**Budget (EUR million): 126.50**

Otvoreni pozivi:

#### **Enabling a circular economy transition**

HORIZON-CL6-2021-CIRC BIO-01-01: Circular Cities and Regions Initiative (CCRI)'s circular systemic solutions

HORIZON-CL6-2021-CIRC BIO-01-02: Circular Cities and Regions Initiative's project development assistance (CCRI-PDA)

HORIZON-CL6-2021-CIRC BIO-01-03: Innovative solutions to over-packaging and single-use plastics, and related microplastic pollution

HORIZON-CL6-2021-CIRC BIO-01-04: Increasing the circularity in textiles, plastics and/or electronics value chains

#### **Innovating sustainable bio-based systems and the bioeconomy**

HORIZON-CL6-2021-CIRC BIO-01-05: Novel, non-plant biomass feedstocks for industrial applications

HORIZON-CL6-2021-CIRC BIO-01-06: Contained biomass solutions for sustainable and zero-Indirect Land Use Change (ILUC) production systems for high value applications

HORIZON-CL6-2021-CIRC BIO-01-07: Microbiomes for bio-based innovation and environmental applications

HORIZON-CL6-2021-CIRCBIO-01-08: Mainstreaming inclusive small-scale bio-based solutions in European rural areas

### **Innovating for blue bioeconomy and biotechnology value chains**

HORIZON-CL6-2021-CIRCBIO-01-09: Unlocking the potential of algae for a thriving European blue bioeconomy

## **Destination 4 – Clean environment and zero pollution / HORIZON-CL6-2021-ZEROPOLLUTION-01**

**Budget (EUR million): 65.00**

Otvoreni pozivi:

### **Halting emissions of pollutants to soils and waters**

HORIZON-CL6-2021-ZEROPOLLUTION-01-01: Regional nitrogen and phosphorus load reduction approach within safe ecological boundaries

HORIZON-CL6-2021-ZEROPOLLUTION-01-02: Optimisation of nutrient budget in agriculture

### **Protecting drinking water and managing urban water pollution**

HORIZON-CL6-2021-ZEROPOLLUTION-01-03: Preventing and managing diffuse pollution in urban water runoff

### **Addressing pollution on seas and ocean**

HORIZON-CL6-2021-ZEROPOLLUTION-01-04: Achieving zero polluted seas and ocean

### **Increasing environmental performances and sustainability of processes and products**

HORIZON-CL6-2021-ZEROPOLLUTION-01-05: Environmental sustainability criteria for biological resources production and trade in bio-based systems: impacts and trade-offs

HORIZON-CL6-2021-ZEROPOLLUTION-01-06: Increasing the environmental performance of industrial processes in bio-based sectors: construction, woodworking, textiles, pulp and paper and bio-chemicals

HORIZON-CL6-2021-ZEROPOLLUTION-01-07: International and EU sustainability certification schemes for bio-based systems

HORIZON-CL6-2021-ZEROPOLLUTION-01-08: New genomic techniques (NGT): understanding benefits and risks – focus on bio-based innovation

HORIZON-CL6-2021-ZEROPOLLUTION-01-09: Environmental impacts and trade-offs of alternative fertilising products at global/local scale

HORIZON-CL6-2021-ZEROPOLLUTION-01-10: Environmental services: improved bioremediation and revitalization strategies for soil, sediments and water

## **Destination 5 – Land, ocean and water for climate action / HORIZON-CL6-2021-CLIMATE-01**

**Budget (EUR million): 108.00**

### Otvoreni pozivi:

HORIZON-CL6-2021-CLIMATE-01-01: Improved understanding, observation and monitoring of water resources availability

HORIZON-CL6-2021-CLIMATE-01-02: European Partnership Water Security for the Planet (Water4All)

HORIZON-CL6-2021-CLIMATE-01-03: Key oceanic and polar processes driving regional & global climate change

HORIZON-CL6-2021-CLIMATE-01-04: Demonstration network on climate-smart farming – linking pilot farms

HORIZON-CL6-2021-CLIMATE-01-05: Agroecological approaches for climate change mitigation, resilient agricultural production and enhanced biodiversity

HORIZON-CL6-2021-CLIMATE-01-06: Resilient livestock farming systems under climate change

HORIZON-CL6-2021-CLIMATE-01-07: International Research Consortium on (agricultural) soil carbon

HORIZON-CL6-2021-CLIMATE-01-08: Agroforestry to meet climate, biodiversity and farming sustainability goals

HORIZON-CL6-2021-CLIMATE-01-09: Enhancing science-based knowledge on EU forests', including old-growth forests, capacities to mitigate climate change

HORIZON-CL6-2021-CLIMATE-01-10: EU-China international cooperation on increasing the resilience of forests

## **Destination 6 – Resilient, inclusive, healthy and green rural, coastal and urban communities / HORIZON-CL6-2021- COMMUNITIES-01**

**Budget (EUR million): 53.00**

### Otvoreni pozivi:

HORIZON-CL6-2021-COMMUNITIES-01-01: Grasping rural diversity and strengthening evidence for tailored policies enhancing the contribution of rural communities to ecological, digital and social transitions

HORIZON-CL6-2021-COMMUNITIES-01-02: Expertise and training centre on rural innovation

HORIZON-CL6-2021-COMMUNITIES-01-03: Smart XG, last-mile and edge solutions for remote farming, forestry and rural areas

HORIZON-CL6-2021-COMMUNITIES-01-04: Socio-economic empowerment of the users of the sea

HORIZON-CL6-2021-COMMUNITIES-01-05: Integrated urban food system policies –how cities and towns can transform food systems for co-benefits

HORIZON-CL6-2021-COMMUNITIES-01-06: Inside and outside: educational innovation with nature-based solutions

## **Destination 7 – Innovative governance, environmental observations and digital solutions in support of the Green Deal / HORIZON-CL6-2021-GOVERNANCE-01**

**Budget (EUR million): 223.00**

Otvoreni pozivi:

### **Innovating with governance models and supporting policies**

HORIZON-CL6-2021-GOVERNANCE-01-01: Mobilising the network of national contact points in Cluster 6

HORIZON-CL6-2021-GOVERNANCE-01-02: Furthering food systems science and federating researchers across the European Research Area

HORIZON-CL6-2021-GOVERNANCE-01-03: Preparatory action for the Horizon Europe Food System Partnership

HORIZON-CL6-2021-GOVERNANCE-01-04: Strengthening bioeconomy innovation and deployment across sectors and all governance levels

HORIZON-CL6-2021-GOVERNANCE-01-05: Fostering strategic advice and synergies between national and EU research and innovation agendas, including SCAR foresight

HORIZON-CL6-2021-GOVERNANCE-01-06: Environmental and social cross-compliance of marine policies

HORIZON-CL6-2021-GOVERNANCE-01-07: Regional governance models in the bioeconomy

HORIZON-CL6-2021-GOVERNANCE-01-08: Improving understanding of and engagement in bio-based systems with training and skills development

HORIZON-CL6-2021-GOVERNANCE-01-09: Revitalisation of European local communities with innovative bio-based business models and social innovation

HORIZON-CL6-2021-GOVERNANCE-01-10: Raising awareness of circular and sustainable bioeconomy in support of Member States to develop bioeconomy strategies and/or action plans

HORIZON-CL6-2021-GOVERNANCE-01-11: Education on the bioeconomy including bio-based sectors for young people in primary and secondary education in Europe

HORIZON-CL6-2021-GOVERNANCE-01-12: EU agriculture within a safe and just operating space and planetary boundaries

HORIZON-CL6-2021-GOVERNANCE-01-13: Modelling land use and land management in the context of climate change

### **Deploying and adding value to Environmental Observations**

HORIZON-CL6-2021-GOVERNANCE-01-14: User-oriented solutions building on environmental observation to monitor critical ecosystems and biodiversity loss and vulnerability in the European Union

HORIZON-CL6-2021-GOVERNANCE-01-15: Preparing for pre-commercial procurement (PCP) for end-user services based on environmental observation in the area of climate change adaptation and mitigation

HORIZON-CL6-2021-GOVERNANCE-01-16: Tools to support the uptake and accessibility/exploitability of environmental observation information at European and global level

HORIZON-CL6-2021-GOVERNANCE-01-17: Common European Green Deal data space to provide more accessible and exploitable environmental observation data in support of the European Green Deal priority actions

### **Digital and data technologies as key enablers**

HORIZON-CL6-2021-GOVERNANCE-01-18: Mapping and improving the data economy for food systems

HORIZON-CL6-2021-GOVERNANCE-01-19: Development of the markets and use of digital technologies and infrastructure in agriculture – state of play and foresight: digital and data technologies for the agricultural sector in a fast changing regulatory, trade and technical environment

HORIZON-CL6-2021-GOVERNANCE-01-20: Data economy in the field of agriculture – effects of data sharing and big data

HORIZON-CL6-2021-GOVERNANCE-01-21: Potential of drones as multi-purpose vehicle – risks and added values

HORIZON-CL6-2021-GOVERNANCE-01-22: Assessing the impacts of digital technologies in agriculture – cost, benefits and potential for sustainability gains

### **Strengthening agricultural knowledge and innovation systems**

HORIZON-CL6-2021-GOVERNANCE-01-23: Broaden EIP Operational Group outcomes across borders by means of thematic networks, compiling and sharing knowledge ready for practice

HORIZON-CL6-2021-GOVERNANCE-01-24: Supporting knowledge exchange between all AKIS actors in the Member States by means of an EU-wide interactive knowledge reservoir

HORIZON-CL6-2021-GOVERNANCE-01-25: Improving national AKIS organisation in a co-creative process across the EU

HORIZON-CL6-2021-GOVERNANCE-01-26: Deepening the functioning of innovation support

HORIZON-CL6-2021-GOVERNANCE-01-27: Developing EU advisory networks on consumer-producer chains

HORIZON-CL6-2021-GOVERNANCE-01-28: Thematic networks to compile and share knowledge ready for practice



Radni program za Horizont Evropa 2021/2022 za klaster 6: Hrana, bioekonomija, prirodni izvori, poljoprivreda i životna sredina, možete preuzeti na **sljedećem linku**:

[https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-9-food-bioeconomy-natural-resources-agriculture-and-environment\\_horizon-2021-2022\\_en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-9-food-bioeconomy-natural-resources-agriculture-and-environment_horizon-2021-2022_en.pdf)

**Otvoreni pozivi na Funding & Tender portalu:**

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search;callCode=null;freeTextSearchKeyword=;matchWholeText=true;typeCodes=0,1,2;statusCodes=31094502;programmePeriod=null;programCcm2Id=43108390;programDivisionCode=43121563;focusAreaCode=null;destination=null;mission=null;geographicalZonesCode=null;programmeDivisionProspect=null;startDateLte=null;startDateGte=null;crossCuttingPriorityCode=null;cpvCode=null;performanceOfDelivery=null;sortQuery=sortStatus;orderBy=asc;onlyTenders=false;topicListKey=topicSearchTablePageState>

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