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Technical Assistance for Turkey in Horizon 2020 Phase-II
EuropeAid/139098/IH/SER/TR

Horizon Europe: Cross Cutting Issues

HE IPR, Legal and Financial Training: Proposal Preparation & Submission

Odysseas Spyroglou, KE2

Istanbul, 7-8 Dec 2021

Photo by Christian Lue on Unsplash



REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY



COMPETITIVE
SECTORS
PROGRAMME



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Horizontal or Cross Cutting Issues

Why are they so important in Horizon Europe

- **1 / Excellence**

- Compliance with “**do no significant harm**” principle (Article 17 of [Regulation \(EU\) No 2020/852](#) on the establishment of a framework to facilitate sustainable investment **'EU Taxonomy Regulation'**)

Open Science: Describe how appropriate open science practices are implemented and present Data management Plan

- **2/ Impact**

- Scientific, Economic/Technological, **Societal**
Communication, Dissemination, Exploitation
- Strategy for the management of **Intellectual Property**

8 Horizontal Topics

EU Funding Management Modes



² Regulation (EU) 2020/852 on the establishment of a framework to facilitate sustainable investment, and amending Regulation (EU) 2019/2088

- Relevant to all programme components
- Identified in Strategic Plan
- Should be addressed appropriately

An integrated approach

Cross Cutting key specific Issues



Social Science & Humanities (SSH)

- Integration of SSH in all clusters
- Key component of R&I
- Specific topics flagged
- Assessment of Societal Impact (when necessary)



Dissemination & Exploitation (D&E)

- Enhance R&I results dissemination, use, value increase
- Integrate results into EU higher education & training
- **New tools:** Results Platform, IP Booster, Synergies
- Design of project to “beyond its end”
- Uptake of assets, private investment, IP management



Key Enabling Technologies (KET)

- Advanced Manufacturing // Advanced Materials // Life-science tech // micro-nano electronics & photonics // AI // Security & connectivity
- Across Clusters & Pillars



Social Innovation (SI)

- Advances in science & Tech / creative use of existing tech
- Combine new tech capabilities w/ organisational, social practices
- HE supports SI across all 4 strategic Orientations

Social Sciences and Humanities

Cross Cutting key specific Issues



- **What is SSH Integration ?**
the process of specifically
including research and
researchers from Social Sciences
and Humanities disciplines in
projects contributing **solutions**
to **pressing societal challenges**.

Democracy - Strengthen European democratic values and address issues of trust.

Cultural Heritage - Safeguard and promote our **cultural heritage**.

Social and economic transformations
Take advantage of socio-economic transformations and promote **inclusive growth** while responding to globalization, and technological advancements.

An example of SSH integration



The New European Bauhaus



New European Bauhaus
beautiful | sustainable | together

- **Inclusive, accessible spaces:** diverse cultures, disciplines, genders and ages. Inclusive economy, distributed wealth, affordable spaces.
- **Sustainable solutions:** built environment and planet's ecosystems. Regenerative approaches inspired by natural cycles that replenish resources and protect biodiversity.
- **Enriching experiences:** beyond material dimension, inspired by creativity, art and culture.

Dissemination and Exploitation

Cross Cutting key specific Issues



Communication: promote the project throughout the full lifespan.
Inform and reach out to society and show the activities performed, and the
use and the benefits the project will have for citizens.



Dissemination: public disclosure of results by appropriate
means, e.g. scientific publications in any medium.

Exploitation: use of results in further research and innovation activities e.g.
commercial exploitation, developing, creating, manufacturing and marketing a
product or process, creating and providing a service, or in standardisation activities.



Key Enabling Technologies

Cross Cutting key specific Issues



Europe prioritises research and Innovation support for these
6 broad Key Enabling Technologies (KETs)

- [advanced manufacturing](#)
- [advanced materials](#)
- life-science technologies
- [micro/nano-electronics and photonics](#)
- [artificial intelligence](#)
- [security and connectivity](#)

**non-sectoral,
strategic, and
integrated approach to
the development and
deployment of new
technologies to
promote industrial
modernisation.**

Social Innovation

Cross Cutting key specific Issues



Social innovations are **new ideas** that:

- meet social needs,
- create social relationships and
- form new collaborations.

These innovations can be:

- products,
- services or
- models addressing unmet needs more effectively.

The European Commission's objective is to encourage market uptake of innovative solutions and stimulate employment.

Examples of Social Innovation

Cross Cutting key specific Issues



<https://mapping.si-drive.archiv.zsi.at>

Project	Description
10 Bin Yesil Ev TenThousand Green Homes	A project aiming to provide clean and inexpensive energy to residents of the town of Nilüferin Bursa province of Turkey. The project includes an energy cooperative.
UlusalTohumTak asMerkeziSayfasi National CentreforSeedExc hange	The community believes that local and organic seeds need to be revived rather than hybrids seeds or seeds with genetically modified organisms. They distribute seeds in their activities.
Kadin EmeginiDegerlen dirmeVakfi Foundation for the Support of Women's Work	KEDV is a non-profit dedicated to improve life qualities and economic opportunities as well as strengthening the leadership of women in regional development.

Gender Equality & Inclusiveness

Cross Cutting key specific Issues



- Eliminate gender inequality
- Addressing unconscious bias, systemic barriers
- Integration of gender dimension
- Part of EC's Gender Equality Strategy 2020-25



New eligibility criterion to get access to Horizon Europe funding: public bodies, research organisations and higher education establishments **will be required**, starting in 2022, to have a **gender equality plan (GEP)** in place.

Ethics and Integrity

Cross Cutting key specific Issues



- European Code of Conduct for Research Integrity
- Ethics Principles & legislation
- Ethical dimension of new technologies (AI, Environment)
- HE to develop training, educational material, Operating procedures
- Ethics & Privacy by design



Open Science

A scientific process based on open cooperative work & knowledge diffusing tools

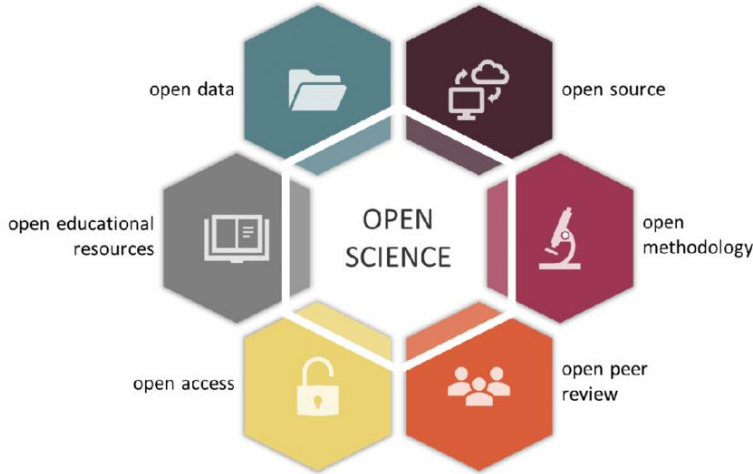


Image by Caterina Penone,
The Open Traits Network: Using Open Science principles to accelerate trait-based science across the Tree of Life, DOI:[10.32942/osf.io/kac45](https://doi.org/10.32942/osf.io/kac45)

- Freely accessible scientific publications
- Early sharing of research results
- FAIR: Findable, Accessible, Interoperable and Re-usable data
- Reproducible results
- Societal engagement & responsibility
- European Open Science Cloud (EOSC)
- Rewards & Incentives for researchers
- Research Management Plan



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All Resources 318

CATEGORIES

- Access physical & infrastructures 64
- Aggregators & Integrators 20
- Processing & Analysis 148
- Security & Operations 29
- Sharing & Discovery 60
- Training & Support 32
- Other 9

FILTERS

Scientific Domains

- Find or choose from the list below*
- Generic 152
 - Natural Sciences 111
 - Earth & Related Environmental Sciences 58
 - Biological Sciences 37
 - Physical Sciences 12
 - Computer & Information Sciences 8
 - Chemical Sciences 6

Resources

1-10 of 318 results

Sort by: by name A-Z

10 20 30 Items on page


ORDER REQUIRED

100 Percent IT Trusted Cloud

Infrastructure as a Service (IaaS), secured by cutting edge cybersecurity software co-developed by the University of Oxford

Organisation: 100 Percent IT
Scientific domain: Generic

Add to comparison Add to favourites




FULLY OPEN ACCESS

3DBionotes-WS

3DBIONOTES-WS a web application designed to automatically annotate biochemical and biomedical information onto structural models.

Organisation: Centro Nacional de Biotecnología (CSIC)
Scientific domain: Computer & Information Sciences

Add to comparison Add to favourites



Laniakea@ReCaS SUGGESTED

Automatic deployment of virtual Galaxy

Chipster SUGGESTED

NGS and microarray analysis in the cloud.



EU Taxonomy

Cross Cutting key specific Issues

- Classification system, list of environmentally sustainable economic activities
- Enabler to scale up investment, implement Green Deal

1. Climate change mitigation
2. Climate change adaptation
3. The sustainable use and protection of water and marine resources
4. The transition to a circular economy
5. Pollution prevention and control
6. The protection and restoration of biodiversity and ecosystems

https://ec.europa.eu/info/business-economy-euro/banking-and-finance/sustainable-finance/eu-taxonomy-sustainable-activities_en



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Teşekkür ederim!



Thank you!

Q&A

Time to ask your
questions!

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