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Technical Assistance for Turkey in Horizon 2020 Phase-II
EuropeAid/139098/1H/SER/TR

Horizon Europe: Intro to EU Missions

General Introductory Training (GIT14)

Odysseas Spyroglou, KE2

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Photo by Christian Lue on Unsplash



REPUBLIC OF TURKEY
MINISTRY OF INDUSTRY
AND TECHNOLOGY



Meet the instructor

Odysseas Spyroglou
Key Expert 2. Legal, Financial & IPR



- **Innovation consultant** with **engineering, ICT** and **financial** background.
- Over **20 years of working experience** in EU funded projects: preparing proposals, building consortia and managing projects under FP7, CIP, COSME, INTERREG, MED, H2020 and more.
- Specialise in **Project Management & Quality, Intellectual Property** and reengineering **business processes**.
- Designed and delivered more than **300 training sessions** on **Innovation** Management, IPR, Entrepreneurship, Proposal Writing, Project Management, financial administration.

20+
Years

60+
Projects

90m+
Funds



[linkedin.com/in/ospyroglou](https://www.linkedin.com/in/ospyroglou)

What we will cover

From Policy to Action: Understand the process



- From EU priorities to Work Programme
- Strategic Plan 2021-2024
- EU Missions Structure
- EU Missions Work Programme

Commission Priorities

Where EC is going to focus the next 4 years.



- **European Green Deal**

First Climate-neutral continent, resource efficient economy

- **Europe fit for Digital Age**

Empower people with new generation of Technology

Economy that works for People

Attractive investment environment, quality jobs

Stronger Europe in the World

Champion multilateralism and rules-based order

- **Promoting European way of Life**

Protection of rule of law, justice, core values

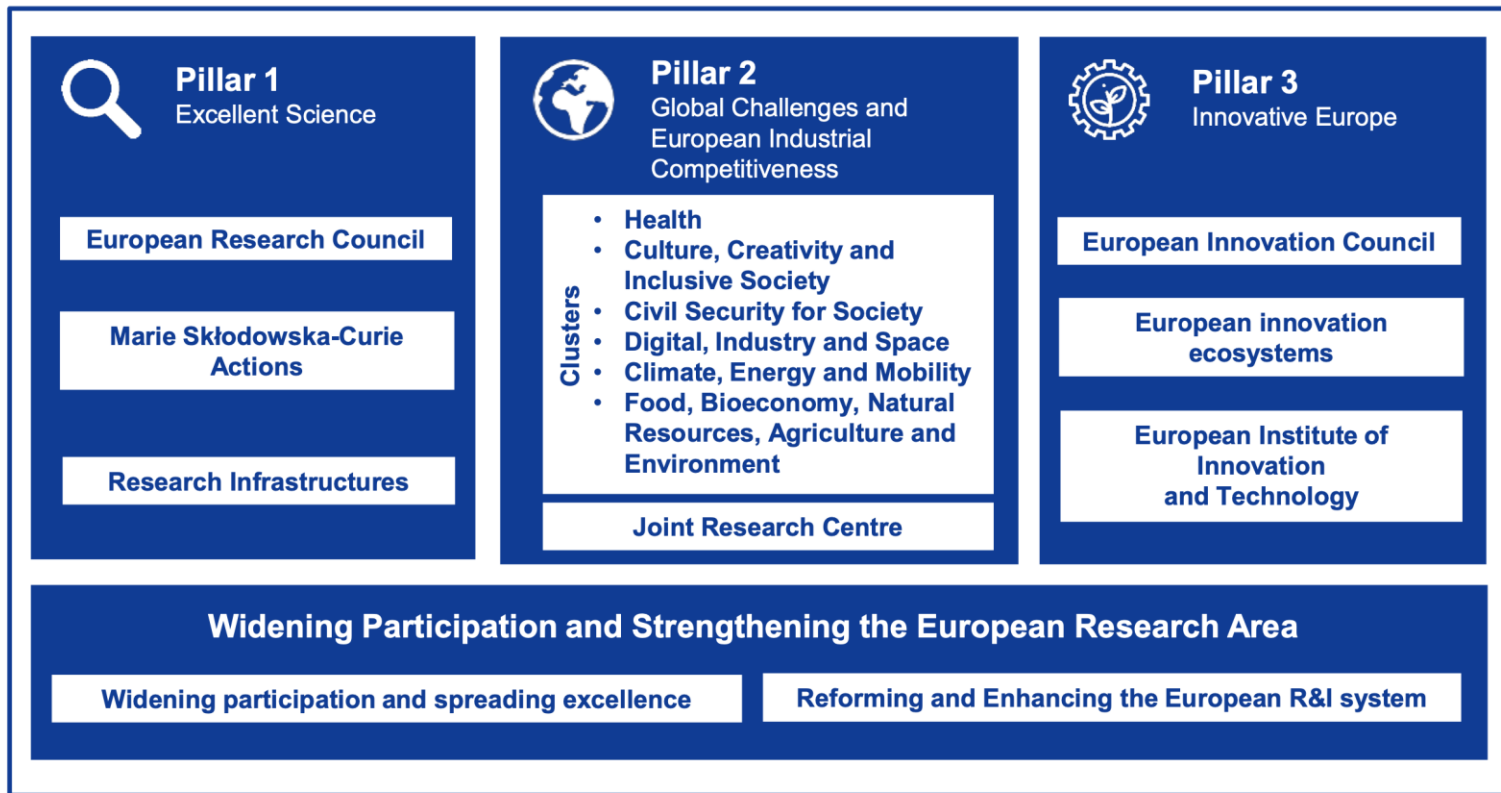
- **New push for European Democracy**

Bigger say to European citizens, protect democracy

Recovery Plan for EuropeL: Next Gen EU

Structure of Horizon Europe

How Horizon Europe is organised



HE Key Strategic Orientations

Mirroring political priorities of the EU

A // Digital Transformation

Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations



C // Sustainable Development

Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems



Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment



B // Environmental Protection

Creating a more resilient, inclusive and democratic European society, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions



D // Resilience & Inclusivness

Titles outside the boxes are arbitrary, perception of the speaker.

Orientation A

Open Strategic Autonomy with Key Digital, Enabling & Emerging Tech, Sectors & Value Chain

Open Strategic Autonomy (OSA): EU's desire to chart own course in global stage. Leadership. Openness, global engagement. Defending interests. Taking initiative.

IMPACT AREAS

- A competitive and secure data-economy
- Industrial leadership in key and emerging technologies that work for people
- Secure and cybersecure digital technology
- High quality digital services for all



1/ Health	2/ Culture	3/ Security	4/ Digital	5/ Climate
Health	Culture, Creativity and Inclusive Society	Civil security for society	Digital, Industry and Space	Climate, Energy and Mobility
Personalised health, disease prevention, diagnosis, treatment, well-being.	Cultural Heritage, arts, creative sectors & Industries, museums, inclusive tourism	Cyber-security, privacy, protection of personal data, fundamental rights	Digital Transformation, Supply chain, Telecoms, 5G, AI, manufacture, Space, EO	Cleaner energy, mobility, green transition of value chains

Orientation B

Restoring Europe's Ecosystems and Biodiversity, Managing Sustainably Natural Resources

IMPACT AREAS

- Enhancing ecosystems and biodiversity on land and in waters
- Clean and healthy air, water and soil
- Sustainable food systems from farm to fork on land and sea



1/ Health	4/ Digital	5/ Climate	6/ Food
Health	Digital, Industry and Space	Climate, Energy and Mobility	Food, Bioeconomy, Natural Resources, Agriculture and Environment
Impacts of environmental degradation, occupational, lifestyle risk, malnutrition, diets	Applications for agriculture, fisheries, forestry, environmental monitoring, navigation, Earth Observation	Cleaner, healthier environment, better mobility, energy generation, air quality	Restoring degraded ecosystems, biodiversity, disaster risks, sustainable agriculture, seafood production

Orientation C

Making Europe first Digitally enabled circular, climate-neutral, sustainable economy

IMPACT AREAS

- Climate change mitigation and adaptation
- Affordable and clean energy
- Smart and sustainable transport
- Circular and clean economy



1/ Health	4/ Digital	5/ Climate	6/ Food
Health	Digital, Industry and Space	Climate, Energy and Mobility	Food, Bioeconomy, Natural Resources, Agriculture and Environment
Cleaner, greener, more circular, sustainable health. Prepare health system for climate change threats.	Climate neutral, zero polluting, energy efficient industries by 2050. Secure, sustainable supply of raw materials. Smart mobility, atmospheric monitoring, EO.	Climate neutrality, zero pollution for energy, transport. Energy storage, smart industry, safer mobility.	Protection of primary production systems. Circular, zero-carbon industry. Eco footprinting, blue economy, non-toxic materials.

Orientation D

Resilient, Inclusive and Democratic European society

IMPACT AREAS

- A resilient EU prepared for emerging threats
- A secure, open and democratic EU society
- Good health and high-quality accessible healthcare
- Inclusive growth and new job opportunities



1/ Health	2/ Culture	3/ Security	4/ Digital	5/ Climate	6/ Food
Health	Culture, Creativity and Inclusive Society	Civil security for society	Digital, Industry and Space	Climate, Energy and Mobility	Food, Bioeconomy, Natural Resources, Agriculture and Environment
Communicable & non-communicable diseases. Fair access to high quality health care. Early threat detection, public emergencies.	Social, economic, gender, cultural inequalities. Inclusion, non-discrimination social protection, empowerment. Migrants, cultural heritage protection.	Free movement, integrity of Schengen Area. Civil Security. Border management, Disaster Risk, Maritime Security, Migration-Asylum.	Access to technologies and skills. Copernicus, Galileo/EGNOS emergency, security.	New way to involve & engage citizens in low-carbon transition. Sustainable economy.	Innovative governance models. Sustainability and resilience Enhanced, shared view of knowledge.

EU Missions

What is a mission?

R&I Missions

Relating EU's research and innovation better to society and citizens' needs; with strong visibility and impact

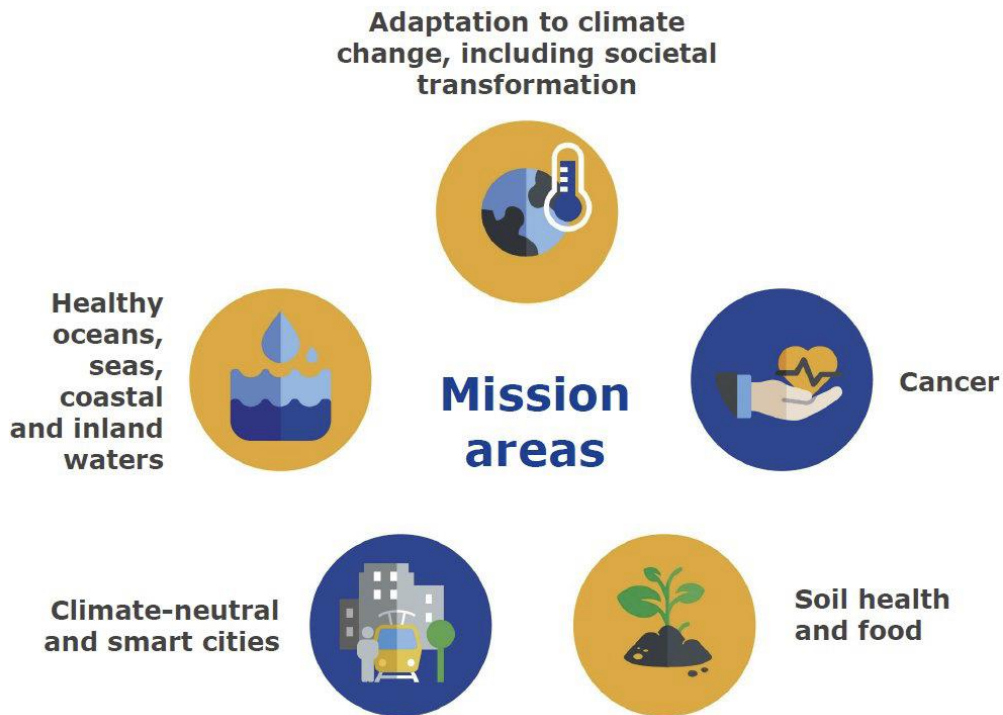
A mission is a portfolio of actions across disciplines intended to achieve a **bold and inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens.

Horizon Europe defines mission characteristics and elements of governance, and **5 missions areas**. Specific missions will be programmed within the Global Challenges and European Industrial Competitiveness pillar, but may also benefit from actions carried out within other parts of the Programme as well as complementary actions carried out under other Union programmes.

EU Missions

From Policy to Action: Understand the process

- Strong territorial focus
- Cross-cutting by design
- Inter-disciplinary
- Going beyond research and innovation
- Strong integrated approach
- Ambitious: need massive (private and public) investment and commitment to be realised



EU Missions Implementation

How EU missions will be realised



Implementation Plans:

- Challenges
- Objectives
- Activities
- Budget
- Governance & Reporting

Working Programme 2021-2022:

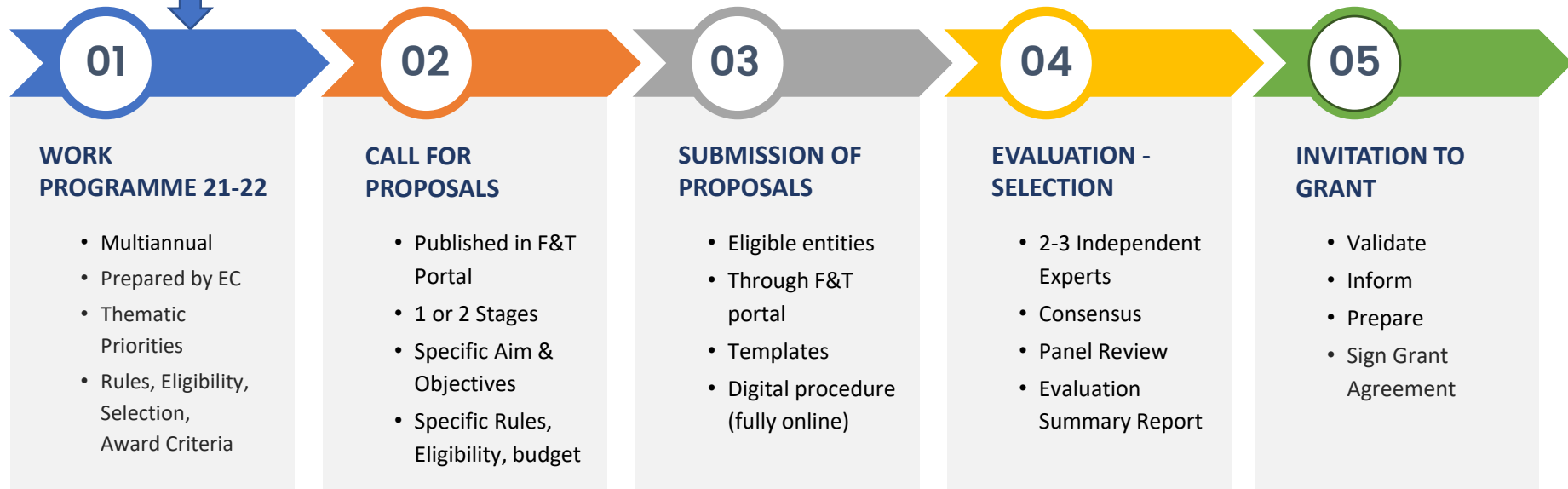
- Ground laying
- Full R&I Agenda

How it works?

The process of getting a grant

EU Priorities & MFF 2021-27

Horizon Europe Strategic Plan 2021-2024



Work Programme for Missions



CLIMA Calls for 2021 - 2022

- **Mission: Adaptation to climate change**

- **HORIZON-MISS-2021-CLIMA-01-01:** Better prepared regional and local authorities to adapt to climate change
- **HORIZON-MISS-2021-CLIMA-02-01:** Development of climate change risk assessments in European regions and communities based on a transparent and harmonized Climate Risk Assessment
- **HORIZON-MISS-2021-CLIMA-02-02:** Support to the regions in developing pathways towards climate resilience and corresponding innovation agendas
- **HORIZON-MISS-2021-CLIMA-02-03:** Towards asset level modelling of climate risks and adaptation
- **HORIZON-MISS-2021-CLIMA-02-04:** Large scale demonstrators of climate resilience creating cross-border value
- **HORIZON-MISS-2021-CLIMA-02-05:** Local engagement of citizens in the co-creation of societal transformational change for climate resilience

Work Programme for Missions

SMART CITIES Calls for 2022

- **Climate neutral and smart cities**

- **HORIZON-MISS-2021-CIT-01-01:** Supporting national, regional and local authorities across Europe to prepare for the transition towards climate neutrality within cities
- **HORIZON-MISS-2021-CIT-01-02:** Collaborative local governance models to accelerate the emblematic transformation of urban environment and contribute to the New European Bauhaus initiative and the objectives of the European Green
- **HORIZON-MISS-2021-CIT-02-01:** Urban planning and design for just, sustainable, resilient and climate-neutral cities by 2030
- **HORIZON-MISS-2021-CIT-02-02:** Unleashing the innovation potential of public transport as backbone of urban mobility
- **HORIZON-MISS-2021-CIT-02-03:** Framework Partnership Agreement (FPA) for the Climate-Neutral and Smart Cities Mission Platform
- **HORIZON-MISS-2021-CIT-02-04:** Positive Clean Energy Districts
- **HORIZON-MISS-2021-CIT-02-05:** Global cooperation and exchange on urban climate neutrality
- **HORIZON-MISS-2022-CIT-01-01:** Designing inclusive, safe, affordable and sustainable urban mobility

Work Programme for Missions

Complementary Actions for 2021 - 2022

- **Complementary Actions**
 - HORIZON-MISS-2021-COOR-01-01: Coordination of complementary actions for missions
- **Destination: Deployment of NEB lighthouse demonstrators in the context of missions**
 - HORIZON-MISS-2021-NEB-01-01: Support the deployment of lighthouse demonstrators for the New European Bauhaus initiative in the context of Horizon Europe missions



New European Bauhaus
beautiful | sustainable | together



Main Objective of this Mission

100 European Cities Transformation

Where to focus:

- Systemic transition towards climate neutrality within cities.
- Climate-neutrality and modernisation of transport and mobility systems
- Energy and resource-efficient building renovations
- Renovation of urban spaces combining sustainability, accessibility and aesthetics in a human-centred way

Support, promote and showcase 100 European cities in their systemic transformation towards climate neutrality by 2030

Don't miss

EC's Mission Info days

Programme

All times are CET. Sessions will be available to watch from this page. **No registration is required.**

Day 1 (18 January 2022)

- 09:30 - 09:40
Welcome
- 09:45 - 12:45
Restore our Ocean and Waters by 2030 Mission
- 14:00 - 15:30
Cancer Mission
- 15:40 - 17:00
Session TBC

Day 2 (19 January 2022)

- 09:00 - 10:30
Adaptation to Climate Change Mission
- 10:45 - 12:45
100 Climate-Neutral and Smart cities by 2030 Mission
- 14:00 - 16:00
A Soil Deal for Europe Mission

18 – 19 January 2022

https://ec.europa.eu/info/research-and-innovation/events/upcoming-events/horizon-europe-info-days/eu-missions_en



Q&A

Time to ask your
questions!

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