

The European Union – Turkmenistan Sustainable Energy Days

Lectures for faculty members and students of the
State Energy Institute of Turkmenistan
State Energy Institute of Turkmenistan, Mary, 15 December 2023

Horizon Europe – prospects and challenges

Natalia Shatirishvili,
Lead Researcher, World Experience for Georgia, WEG
Former Horizon Europe NCP in Georgia

Outline

- Overview of the European Framework Programme “Horizon Europe
- Rules and algorithm of actions of participation in the “Horizon Europe” programme
- Georgia’s experience in the European Framework Programmes, including “Horizon Europe”
- Review of statistics on the participation of Central Asia countries in the “Horizon Europe” and “Horizon 2020” programmes

Overview of the European Framework Programme “Horizon Europe

- Horizon Europe is the EU’s key funding programme for research and innovation.
- Horizon Europe is EU 9th Research and Innovation Framework programme for the period 2021-2027 with overall budget 95.5 billion euros.
- Horizon Europe supports research and innovation especially through Work Programmes, which set out funding opportunities for research and innovation activities. Link to the latest [work programme 2023-2024 for Cluster 5-Climate, Energy and Mobility](#).
- Predecessor programme: Horizon 2020



HORIZON EUROPE

International Cooperation

Tackling together global societal challenges; access to the world's best talents, expertise and resources; enhanced supply and demand of innovative solutions.

Association to Horizon Europe

Third countries can become associated with Horizon Europe and participate in the programme on the same conditions as EU member states.

- Intensified targeted actions
- Strengthened support to multilateral cooperation
- Openness to international participation balanced with the promotion of EU strategic autonomy

Pillar I Excellent Science

European Research Council (ERC)

ERC is the premier European funding organisation for excellent frontier research. It funds creative researchers of any nationality and age, to run projects based across Europe.

Budget: 16 Billion Euro

Marie Skłodowska- Curie Actions

Equipping researchers with new knowledge and skills through mobility and training.

Budget 6.6. Billion Euro

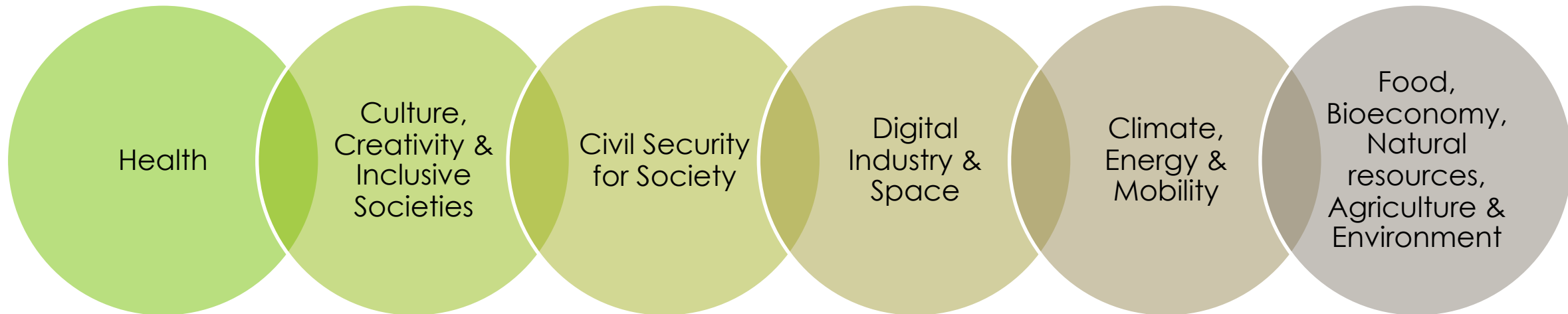
Research Infrastructures

Integrated and interconnected world-class research infrastructures. Research Infrastructures are facilities, resources and services that allow researchers to conduct research in the European Union.

Budget: 2.4 Billion Euro

Pillar II Global Challenges

Total Budget: 53.5 Billion Euro



Budget for clusters

Cluster	Topic	Budget
Cluster 1	Health	€8.246 billion
Cluster 2	Culture, Creativity & Inclusive Societies	€2.280 billion
Cluster 3	Civil Security for Society	€1.596 billion
Cluster 4	Digital, Industry & Space	€15.349 billion
Cluster 5	Climate, Energy & Mobility	€15.123 billion
Cluster 6	Food, Bioeconomy, Natural Resources, Agriculture & Environment	€8.952 billion

Cluster 5 - Climate, Energy & Mobility

- climate science and solutions
- energy supply
- energy systems and grids
- buildings and industrial facilities in energy transition
- communities and cities
- clean, safe and accessible transport and mobility
- smart mobility
- energy storage

Pillar III Innovative Europe

European Innovation Council

Support to innovations with market creating potential

European innovation ecosystems

Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

Bringing key actors (research, education and business) together around a common goal for fostering innovation

Budget: 10.6 Billion Euro including up to 527 million for ecosystems

Rules of participation

- All calls (closed, open and forthcoming) are published at [Funding and Tender Portal](#)
- **Eligible countries:** EU Member States, Associated Countries, Third Countries eligible for funding (including Turkmenistan, Kazakhstan, Kyrgyz Republic, Tajikistan, Uzbekistan), all other third countries not automatically eligible for funding.
- Create an EU Login account -each user has to have an EU Login account to log in on the Portal ([link to registration](#)).
- Register an organization -If you want to participate in a project proposal, your organisation needs to be registered and have a 9-digit Participant Identification Code (PIC) ([link to registration](#))
- The vast majority of projects under Cluster 5 are collaborative type of projects. Consortia must include at least **one organisation established in an EU Member State** and at least **two other organisations** established in different EU Member States or countries associated to Horizon Europe.

Benefits of participation in Horizon Europe

Funding for excellent science

To gain **visibility** at EU level, **experience** in EU instruments and policies

World class research infrastructures

Access to new network and alliances

Collaborate with the best European universities

Collaborate with European research team

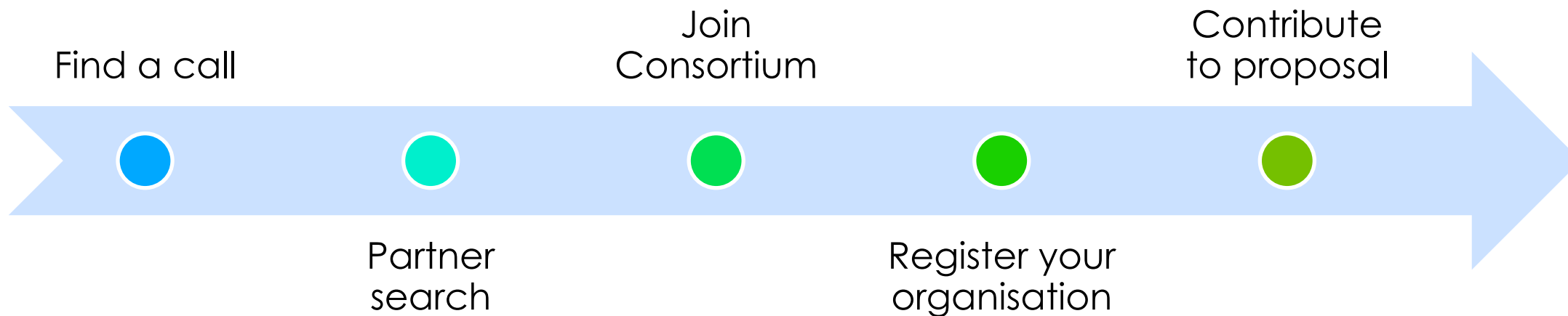
Main Distinction from National and/or Bilateral Donor Projects

- Partnership. Vast majority of Horizon Europe calls are collaborative requiring building a consortium
- Duration. Majority of Horizon Europe projects are long-term (usually 4 years)
- Indirect costs. In Horizon Europe there are fixed overhead costs (25%)
- Travel costs. Travel and cooperation with EU partners is encouraged and sometimes obligatory in Horizon Europe projects
- Eligibility. Horizon Europe is open for all with different conditions for participation
- Funding rate – up to 100%
- Content. Projects funded within Horizon Europe should be with EU content and link to EU Policies
- Submission period. Horizon Europe calls have long submission period, usually 6 month. Information on forthcoming calls are available once WP is developed.
- International evaluation of submitted proposals –up to 5 months

Types of calls and eligibility criteria for Pillar II Clusters

Type of Actions	Eligibility Conditions	Funding rate	Typical duration	Average EU contribution	Goal
Research & Innovation Action (RIA)	≥ 3 legal entities from 3 MS/AC	100%	Up to 4 years	€4 -15 M	collaborative research Projects Up to TRL 6
Innovation Action (IA)	≥ 3 legal entities from 3 MS/AC	<ul style="list-style-type: none"> 100% (Research organisation/university/public entity - non-profit organization) 70% (Enterprise/SME/private sector in general) 	4-5 years	€4 -15 M	produce plans & arrangements or designs for new, altered or improved products, processes or services TRL 6-8
Coordination & Support Action (CSA)	(at least) 1 legal entity	<ul style="list-style-type: none"> 100% 	1-3 years	€ 0.5–3.0M	accompanying measures (standardization, dissemination, policy dialogues etc.) no research
SME instrument	1 SME in MS/AC		3 phases: Phase 1: lump sum of €50K /project Phase 2: €1–2.5M / project (1-2 years) (70% of eligible costs reimbursed) Phase 3: no funding		combination of demonstration activities (testing, prototyping, etc.), market replication

Algorithm of actions for successful participation in Horizon Europe



Funding and Tender Portal

European Commission | Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

EN
Register Login

HOME SEARCH FUNDING & TENDERS HOW TO PARTICIPATE PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT

Search funding & tenders

Need help?

Search Clear all

Search by keyword...

Match whole words only

Type

- Grants (89)
- Tenders

Submission status

- Forthcoming (58)
- Open for submission (31)
- Closed

Programming period

2021 - 2027 (89)

Programme / Programme group

Horizon Europe (HORIZON)

Programme part

Climate, Energy and Mobility

89 item(s) found

Programme: Horizon Europe (HORIZON)

- Quantification of the role of key terrestrial ecosystems in the carbon cycle and related climate effects**
HORIZON-CL5-2024-D1-01-07 Call for proposal
Horizon Europe (HORIZON) Open for submission Grant
- Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks**
HORIZON-CL5-2024-D1-01-01 Call for proposal
Horizon Europe (HORIZON) Open for submission Grant
- Paleoclimate science for a better understanding of the short- to long-term evolution of the Earth system**
HORIZON-CL5-2024-D1-01-03 Call for proposal
Horizon Europe (HORIZON) Open for submission Grant
- Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate change**
HORIZON-CL5-2024-D1-01-02 Call for proposal
Horizon Europe (HORIZON) Open for submission Grant
- Improved toolbox for evaluating the climate and environmental impacts of trade policies**
HORIZON-CL5-2024-D1-01-04 Call for proposal
Horizon Europe (HORIZON) Open for submission Grant
- Demonstration of improved intermediate renewable energy carrier technologies for transport fuels**
HORIZON-CL5-2024-D3-01-03 Call for proposal
Horizon Europe (HORIZON) Open for submission Grant

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Funding and Tender Portal. Open calls

Next generation low-emission, climate-resilient pathways and NDCs for a future aligned with the Paris Agreement

HORIZON-CL5-2024-D1-01-05

Topic Call for proposal

Internal navigation

General information

Topic description

Destination

Conditions and documents

Partner search announcements

Start submission

Topic related FAQ

Get support

Call updates

← Go back to search results

General information

Programme

Horizon Europe Framework Programme (HORIZON)

Call

Climate sciences and responses (HORIZON-CL5-2024-D1-01)

Type of action

HORIZON-RIA HORIZON Research and Innovation Actions

Type of MGA

HORIZON Action Grant Budget-Based [HORIZON-AG]

Deadline model

single-stage

Opening date

12 September 2023

Open for submission

Deadline date

05 March 2024 17:00:00 Brussels time

€ Budget overview

Topic description

ExpectedOutcome:

Projects results are expected to contribute to all of the following expected outcomes:

- Methodologies and approaches to promote improved transparency, consistency, and clarity of Greenhouse Gas (GHG) emission reduction commitments....

▼ Show more

Topic destination

Climate sciences and responses for the transformation towards climate neutrality (2023/24)



Funded by
the European Union

Partner search

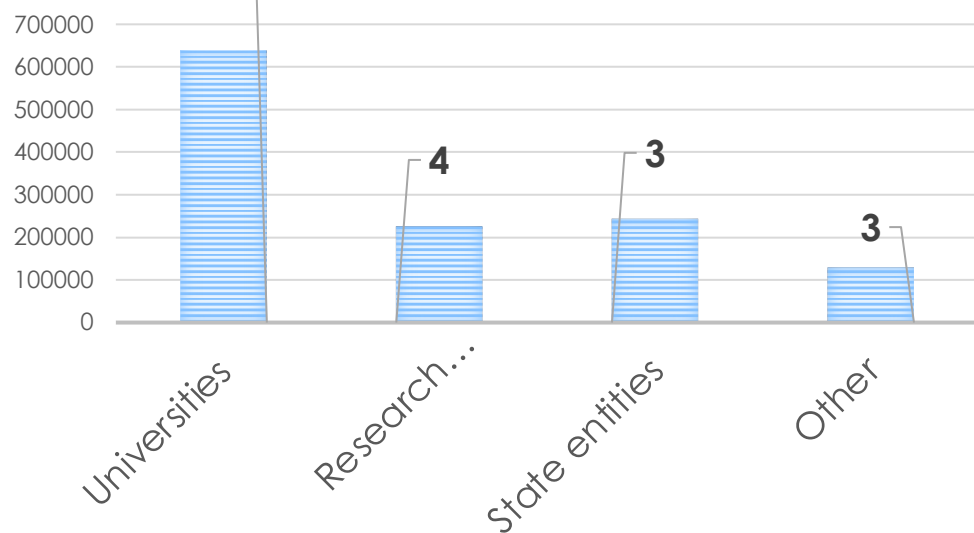
- International Partners
- Use your academic and personal contacts
- Check/use partner search tools –Funding and Tenders Portal
- Use National Contact Points network (In CA region NCP are available in Kazakhstan and Kyrgyzstan)
- Use thematic groups in social media
- Participate in Brokerage event
- Participate in international workshops, conferences
- Information on ongoing or past projects financed by Horizon Europe on similar topics ([link to projects database](#))

Georgia's experience in the European Framework Programmes, including "Horizon Europe"

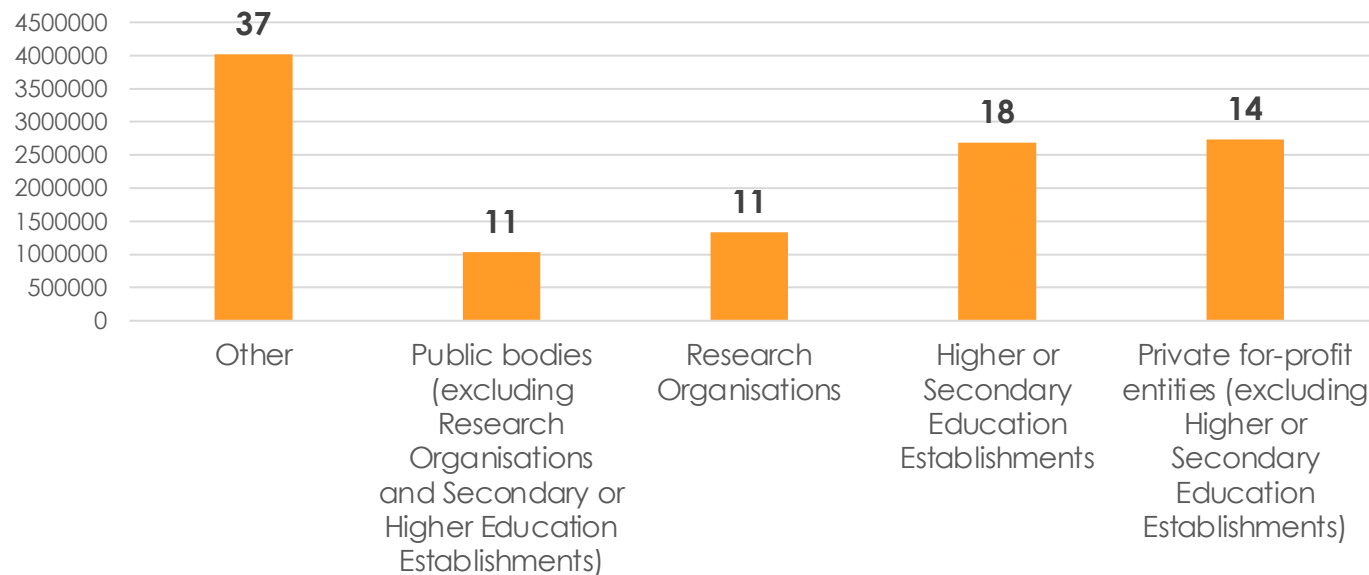
Georgia is Associated Country to Horizon Europe

There is Horizon Europe National Office of Georgia and National Contact Points network (currently 23 NCPs)

NUMBER OF PROJECTS AND FUNDING (2017) EURO



Horizon Europe and Horizon 2020 projects funding in Georgia (2023) Euro

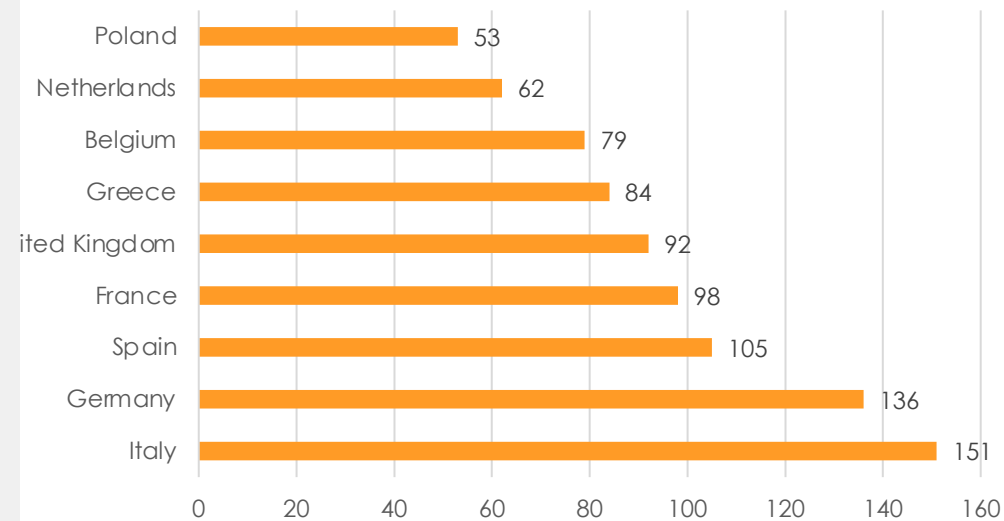


Georgia's experience in the European Framework Programmes, including "Horizon Europe"

- Number of grant agreements signed: 81
- Number of unique organisations involved: 46
- National success rate: 13.3%
- Total EU contribution 11.8 mln Euro



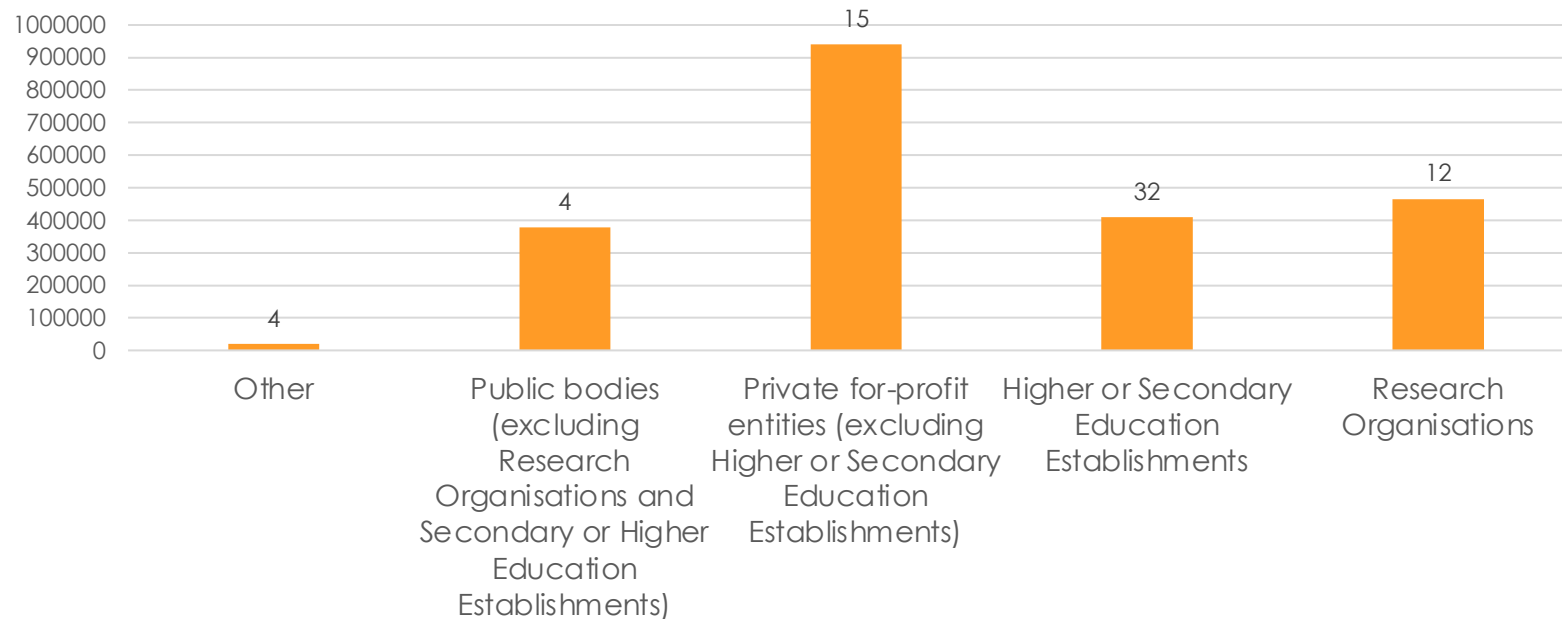
Top 10 collaboration countries



Review of statistics on the participation of Central Asian countries in the “Horizon Europe” and “Horizon 2020” programmes

- Total number of projects in Central Asia: 33
- Number of unique organisations involved: 47
- Success rate: 11.06%

Horizon Europe and Horizon 2020 projects funding in Central Asia
(2023)
Euro



Participation of Turkmenistan in Horizon 2020 and Horizon Europe Programme

- Total number of projects in Turkmenistan: 3 (2 in Horizon 2020 and 1 in Horizon Europe)
- Number of unique organisations involved: 2
- Funding received by the projects: 79 800 Euro

Example of Horizon 2020 funded project from Turkmenistan:

Strengthening and Energizing EU-Central Asia relations

Goal: to strengthen and energize EU-Central Asia relations by establishing a sustainable, transdisciplinary SEnECA Research Network and the SEnECA Stakeholder Network to link European and Central Asian researchers, policy makers and stakeholders in order to improve research cooperation.

Participant from Turkmenistan: YNANCH WEPA

Participants from other countries from the region: Center of Sociological Researches ZERKALO (Tajikistan), JAHON IQTISODIYOTI VA DIPLOMATIYA UNIVERSITETI (Uzbekistan)

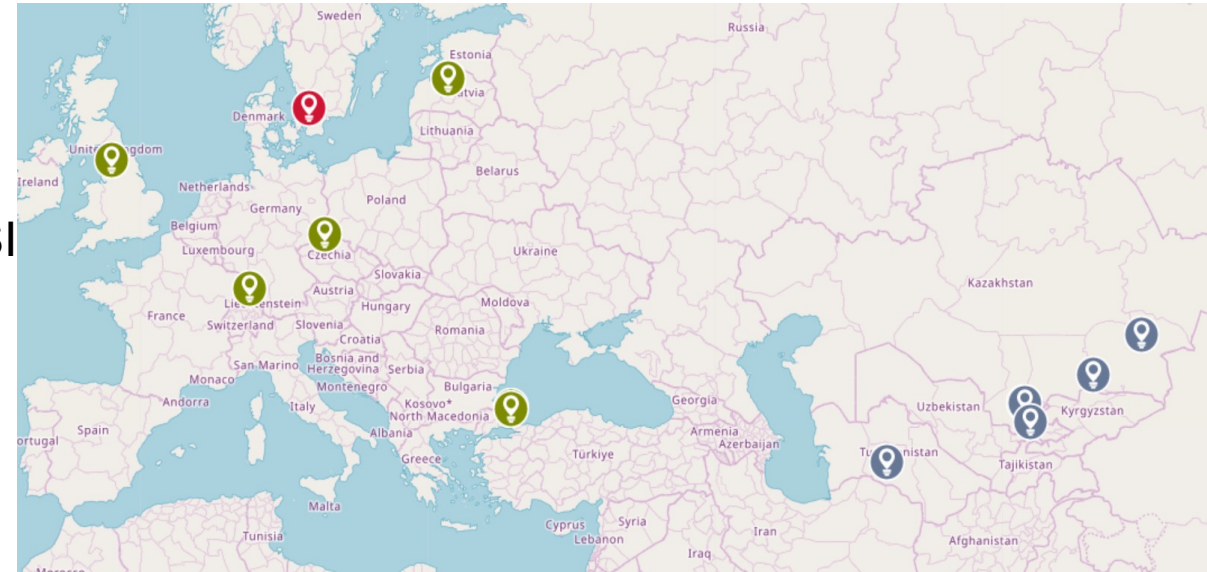
Participation of Turkmenistan in Horizon 2020 and Horizon Europe Programme

Legal Cultures and Business Environments in Central Asia

Coordinator: LUNDS UNIVERSITET (Sweden)

Participants from Central Asia:

- TEBIGY KUWWAT PUBLIC ASSOCIATION (Turkmenistan)
- L.N. Gumilyov Eurasian National University (Kazakhstan)
- TOSHKENT SHAHRIDAGI XALQARO WESTMINSTER UNIVERSITETI (Uzbekistan)
- KHUJAND POLYTECHNIC INSTITUTE OF TAJIK TECHNICAL UNIVERSITY OF TAJIKISTAN BY ACADEMIC M.C. OSIMI (Tajikistan)
- SIAR RESEARCH AND CONSULTING LLC (Kyrgyzstan)
- O ZBEKISTON RESPUBLIKASI BOSH PROKURATURASI AKADEMIYASI (Uzbekistan)
- ZHETYSUSKIY UNIVERSITET IMENI IL'YASA ZHANSUGUROVA (Kazakhstan)





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THANK YOU!

Natalia Shatirishvili
n.shatirishvili@weg.ge