

# Horizon Europe - a brief overview

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# Horizon Europe - Introduction

- EC launched new funding programme for research and innovation (2021 - 2027)
- budget of €95.5 billion
- **impact-driven** framework programme (society, economy, science)
- key strategic orientations:
  - promoting an open strategic autonomy through key digital, enabling and emerging technologies to accelerate the digital and green transitions
  - restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment
  - making Europe the first digitally enabled circular, climate neutral and sustainable economy
  - creating a more resilient, inclusive and democratic European society

# Horizon Europe - Structure

## HORIZON EUROPE

## EURATOM

### SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on  
defence research  
& development*

Research  
actions

Development  
actions

### SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT\*

*Exclusive focus on civil applications*



#### Pillar I EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



#### Pillar II GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



#### Pillar III INNOVATIVE EUROPE

European Innovation  
Council

European innovation  
ecosystems

European Institute of  
Innovation & Technology\*

### WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint  
Research  
Center

\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

# HE Work Programme 2021 - 2022, global challenges for ÚFAL

## Currently open calls (2021):

- Cluster 1 - Health (as project partner)
- Cluster 2 - Culture, Creativity and Inclusive Society
  - **Research and innovation on cultural heritage and CCIs - 2021**, deadline Oct 07, 2021
- Cluster 3 - Civil Security for Society
  - **Fighting Crime and Terrorism 2021**, deadline Nov 23, 2021
    - Disinformation and fake news are combated and trust in the digital world is raised (IA)
- Cluster 4 - Digital, Industry and Space
  - **A human-centered and ethical development of digital and industrial technologies 2021**, deadline Oct 21, 2021
  - **World leading data and computing technologies 2021** deadline Oct 21, 2021
  - **Digital and emerging technologies for competitiveness and fit for the green deal**, deadline Oct 21, 2021
  - **Twin green and digital transition 2021**, deadline Oct 21, 2021

# HE Work Programme 2021 - 2022, global challenges for ÚFAL

## Forthcoming calls (2022):

- Cluster 1 - Health (as project partner)
- Cluster 2 - Culture, Creativity and Inclusive Society
  - **Research and innovation on cultural heritage and CCIs - 2022**, deadline Apr 20, 2022
  - **Reshaping democracies**, deadline Apr 20, 2022
    - Media for democracy – democratic media (RIA)
    - Artificial intelligence, big data and democracy (RIA)
- Cluster 3 - Civil Security for Society - deadline Nov 23, 2022
- Cluster 4 - Digital, Industry and Space
  - **A human-centered and ethical development of digital and industrial technologies 2022**, deadline Apr 5, 2022
  - **World leading data and computing technologies 2022**, deadline Apr 5, 2022

important information and summary of open and forthcoming calls relevant for UFAL is available at UFAL wiki <https://wiki.ufal.ms.mff.cuni.cz/internal:podavani-projektu:he1>

# Important aspects of HE

- **gender equality and inclusiveness** (GEP, gender balance among researches, integration of gender dimension into research)
- **Social Science and Humanities** - should be involved in all clusters where relevant
- **Ethics and integrity** (more info L. Kaprálová)
- **Dissemination and exploitation of research results** (detailed D&E plan 6 months after GA signature required)
- **Open science** (open access to scientific publications, responsible research data management - mandatory DMP)

# Why to apply for HE

- EU projects are over long period important part of ÚFAL's budget
- 100% funding provided, 25% indirect costs
- reasonable eligible costs (personnel costs, subcontracting, purchase costs, other cost categories) justification and administration

## Disadvantages:

- oriented toward applications, calls in Pillar 2 are not suitable for financing of basic research
- big competition

## ÚFAL project departement:

- support in navigation throughout calls
- administrative help with preparing project proposal

## Department of grants and projects (OGaP):

- **all applicants should access for view their proposals in FT portal to Ivana Herglová (herglova@dekanat.mff.cuni.cz) from OGaP**
- dr. Herglová then will check the proposal from the administrative point of view



# Current state of art

PI ÚFAL	Team Members ÚFAL	Acronym	Theme	Coordinator	Call Topic	Call Deadline	Notes
Pavel Pecina	Petra Galuščáková, Mateusz Krubinski	MEMORISE	Heritage related to Nazi Persecution	SYDDANSK UNIVERSITET	HORIZON-CL2-2021- HERITAGE-01-04	October 7, 2021	Consortium complete, finalizing the proposal
Pavel Pecina	Ondřej Dušek,	RES-Q++	Stroke care	Clinical Research Centre (CZ)	HORIZON- HLTH-2021- TOOL-06-03	September 21, 2021	Consortium complete, finalizing the proposal
Rudolf Rosa	???	GEPA?	Generated Ethical Performative Art?	ÚFAL	HORIZON-CL2-2021- HERITAGE-01-03	07 October 2021	with some poets, searching for further partners (probably will not happen)
Ondřej Bojar	???	???	AI to Fight Manipulation	ÚFAL??	HORIZON-CL4-2021- HUMAN-01-27	21 October 2021	with UEDIN, AVAST, hopefully DW/BBC, possibly FactMata
Ondřej Bojar	???	???	eXtended Reality Meetings	ÚFAL	horizon-cl4-2021- human-01-13	21 October 2021	with Joerg Tiedemann, AALTO, alfaview as an integrator?, KU LEUVEN?
Ondřej Dušek	Jan Hajič(?)	TrustHRI	Trustworthy Human- Robot Awareness and Interaction (TrustHRI)	Aristotle University of Thessaloniki	HORIZON-CL4-2021- DIGITAL- EMERGING-01-11	21 October 2021	coord. Ioannis Pitas
Jan Hajič	???	Name TBD	CLAIRE/Humane AI Net related	DFKI	HORIZON-CL4-2021- HUMAN-01-03(?)	21 October 2021	most probably Paul Lukowicz (coord.)
Jan Hajič	???	Name TBD	Data (LR) oriented	DFKI	HORIZON-CL4-2021- DATA-01-01	21 October 2021	most probably led by Georg Rehm (coord.)
Jan Hajič	Matyáš Kopp, Pavel Straňák	EDITIO	Infra / Data (LR) oriented	CLARIN ERIC	HORIZON-INFRA- 2021-EOSC-01-04	23 September 2021	UFAL under Dieter van Uytvanck (CLARIN ERIC)