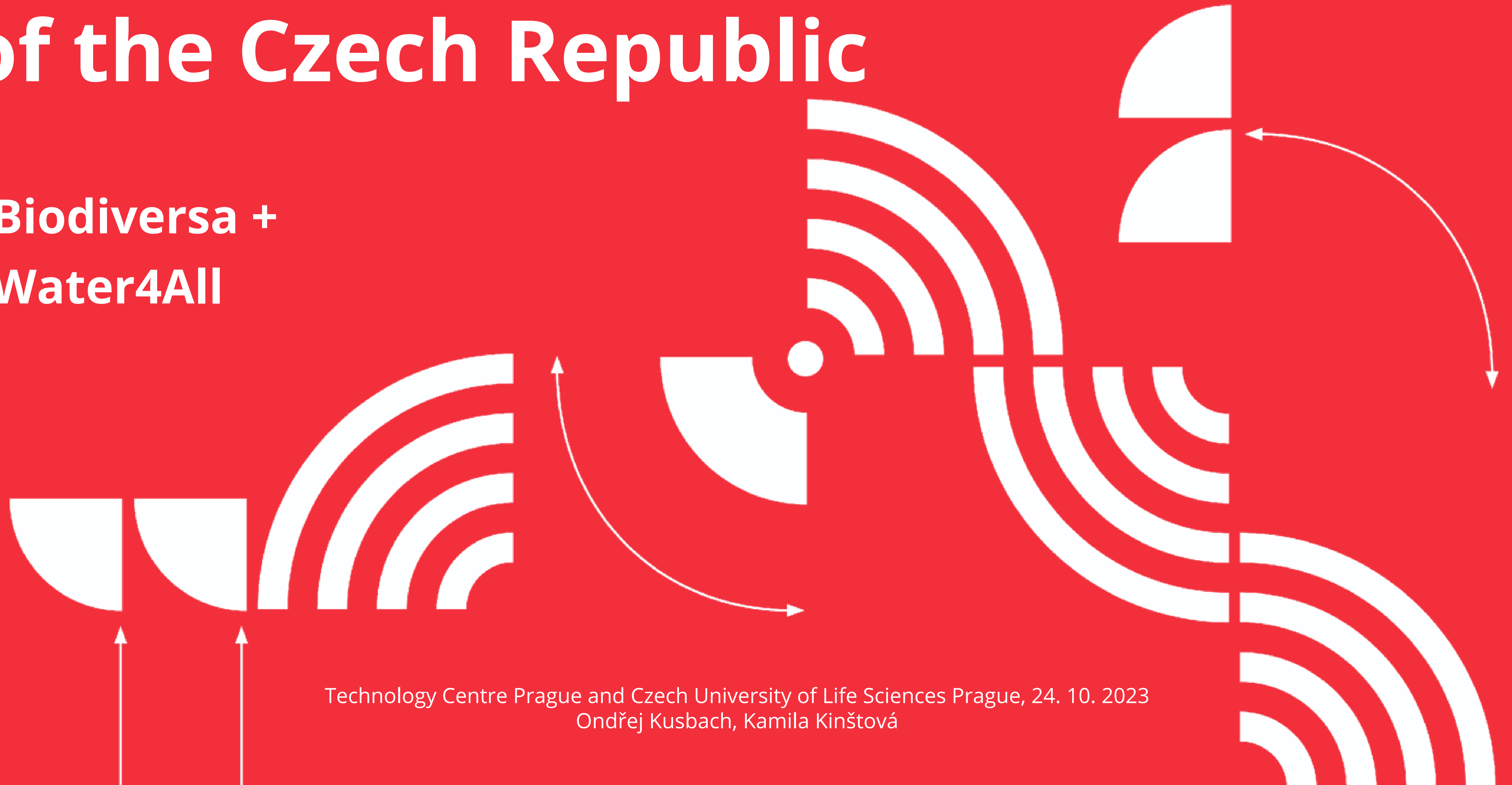


Technology Agency of the Czech Republic

**Biodiversa +
Water4All**



Technology Centre Prague and Czech University of Life Sciences Prague, 24. 10. 2023
Ondřej Kusbach, Kamila Kinštová



Content

- about TA CR and Partnerships
- Biodiversa +
- Water4All

Organizational
unit of the state
and administrator
of budget
chapter for R&D

The diagram illustrates the flow of funding for applied research and innovation in the Czech Republic. It features three main components: a large dark gray hexagon at the top left representing the state's organizational unit, a central graphic of concentric hexagons, and a smaller dark gray hexagon at the bottom right. A curved arrow points from the top hexagon to the central graphic, and another curved arrow points from the central graphic to the bottom hexagon. To the right of the top hexagon, a red text block states an objective of connecting research organizations with innovative activities. In the bottom right corner, there is a partial view of a circular graphic with concentric arcs.

One of the objectives is to
connect research
organisations with innovative
activities in companies and
the state administration

About TA CR

The main provider of state
funding for applied research
and innovation in the Czech
Republic

TA CR in numbers



55,1 mld. CZK

has been invested by the state in
applied research through TA CR

4 485

SUPPORTED PROJECTS

70 %

AVERAGE FUNDING INTENSITY

5 464

**RESEARCH ORGANIZATION
PROJECT PARTICIPANTS
SUPPORTED***



4 875

**BUSINESS PROJECT
PARTICIPANTS SUPPORTED***

*These figures do not include Programmes BETA & BETA 2 data.

*These figures include projects without a signed contract (signature to be expected).

Data as of 1 July 2023

International Cooperation





KAPPA Programme

is financed from the EEA and Norway Grants and aimed at financing bilateral or multilateral cooperation of entities from the Czech Republic with partners from Norway, Iceland and Liechtenstein.

DELTA 2 Programme

is focused on funding bilateral projects between Czech researchers and their foreign partners, mainly from countries outside the European Economic Area.

Seal of
Excellence

ERA-NET COFUND & European Partnerships

TA CR financially supports Czech researchers in multilateral projects through joint calls in selected ERA-NET Cofunds and Partnerships

SIGMA Programme

Specific objective 4: International collaboration

A new, comprehensive, and long-term instrument to support applied research and innovation projects -> consolidation of several current TA CR programmes into a single programme

Multilateral Cooperation

ERA-NET Cofund/European Partnerships

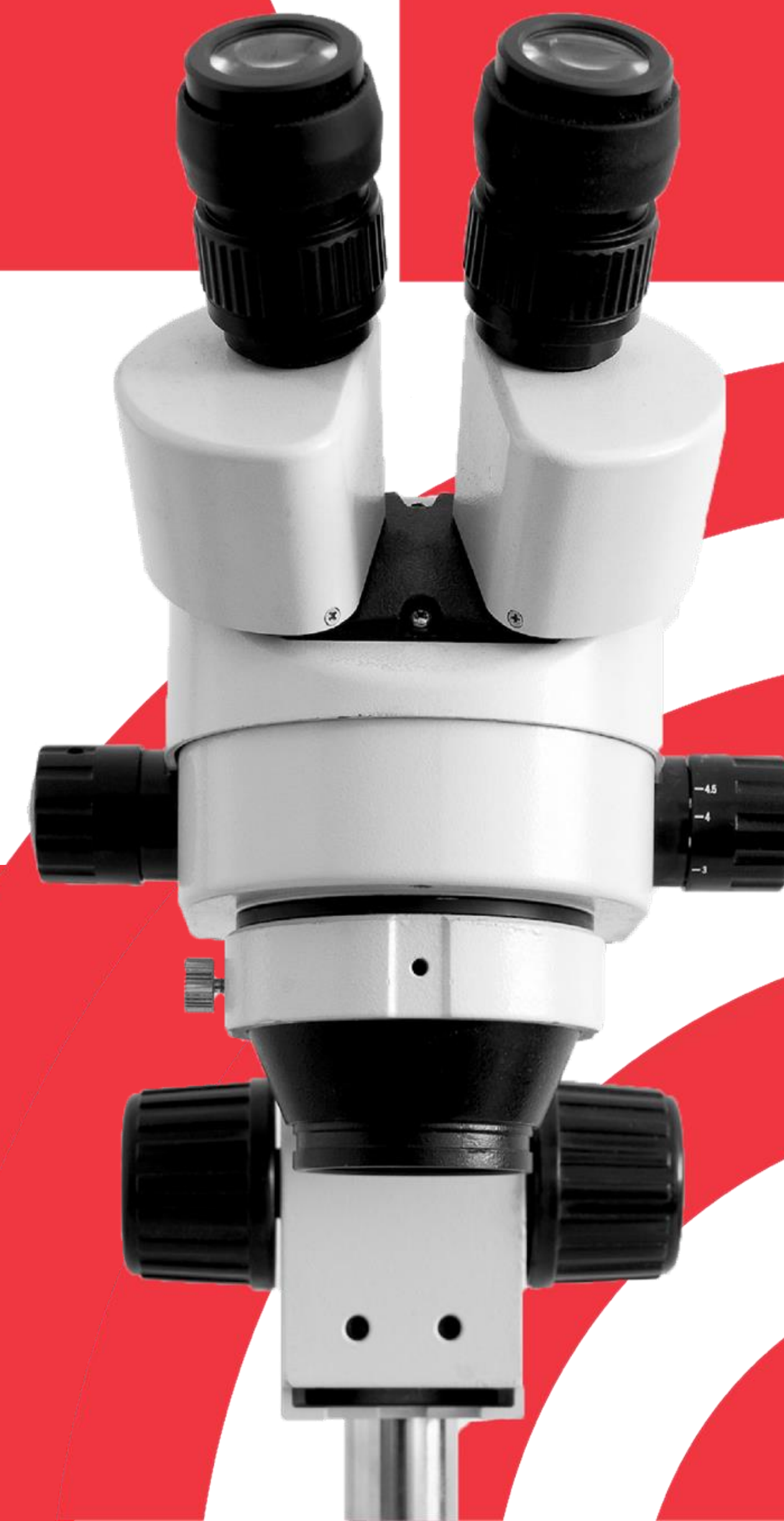
More at: www.tacr.cz/mezinarodni-spoluprace/

Biodiversa+

- **Matěj ŠTĚPÁNEK**
(matej.stepanek@tacr.cz)
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(ondrej.kusbach@tacr.cz)

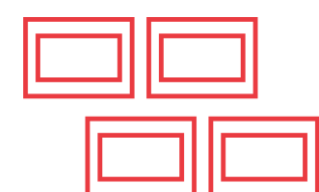
Water4All

- **Kamila KINŠTOVÁ**
(kamila.kinstova@tacr.cz)



ERA-NET COFUNDS & Partnerships

Thematic focus of ERA-NET Cofunds and European Partnerships.



ERA-MIN

Raw materials research



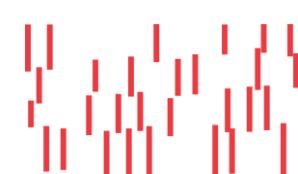
BiodivClim

Biodiversity and climate change



Water4All

Management of water resources



EnerDigit

Digital transformation for green energy transition



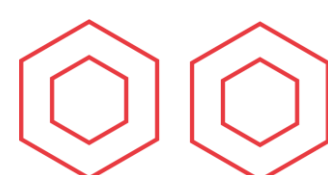
BiodivRestore

Protection and restoration of degraded ecosystems



Driving Urban Transition (DUT)

Urban transition towards more sustainable economy and functioning



EuroNanoMed3

Nanomedicine research



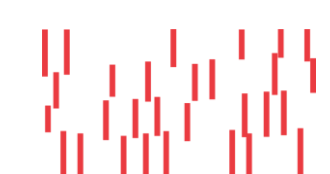
AquaticPollutants

Pollutants and pathogens present in the water resources



GENDER-NET Plus

Gender equality and gender mainstreaming in research and innovation



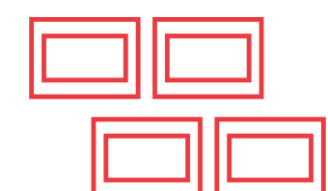
CHIST-ERA

Information and communication technologies (ICT)



Clean Energy Transition (CET)

Empowering the energy transition



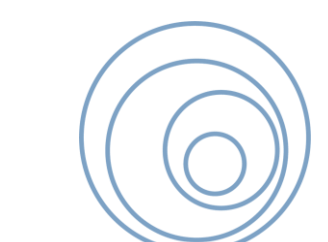
M.ERA-NET

Materials research and innovation



QUANT-ERA

Quantum technologies



Biodiversity Partnership

Supporting the protection of biodiversity and ecosystems

ERA-NET Cofund/European Partnerships Calls (2023)

Description	Proposal submission	Expected allocation in mil. CZK	Source of funding
MV EPSILON, QUANT-ERA II Call 2023	26. 1. 2023 - 11. 5. 2023	19,5	NPO - EPSILON
MV EPSILON, ERA-MIN3 Call 2023	7. 12. 2022 - 30. 3. 2023	20,8	NPO - EPSILON
MV SIGMA, DC4 Partnership - Driving Urban Transitions - Call 2023	1. 9. 2023 - 21. 11. 2023	18	TA ČR - SIGMA
MV SIGMA, DC4 ERA-NET COFUND - M-ERA.Net 3 (materials) - Call 2023	1. 3. 2023 - 16. 5. 2023	34	TA ČR - SIGMA
MV SIGMA, DC4 ERA-NET COFUND - CHIST-ERA IV (ICT) - Call 2023	October/November 2023	12	TA ČR - SIGMA
MV SIGMA, DC4 Partnership - Water4All - Call 2023	12. 9. 2023 - 13. 11. 2023	11	TA ČR - SIGMA
MV SIGMA, DC4 Partnership -Biodiversa+ - Call 2023	11. 9. 2023 - 10. 11. 2023	17	TA ČR - SIGMA
MV EPSILON, ERA-NET Cofund- EnerDigit (energy)- Call 2023	14. 6. 2023 - 12. 9. 2023	25	NPO - EPSILON
MV SIGMA, DC4 Partnership - Clean Energy Transition - Call 2023	20. 9. 2023 - 22. 11. 2023	18	TA ČR - SIGMA



Biodiversa+ Partnership

Objectives:

- Biodiversa+ is the European co-funded biodiversity partnership supporting excellent research on biodiversity with an impact for policy and society
- Biodiversa+ aims to put Europe's biodiversity on a path to recovery by 2030
- Ensure efficient science-based support for policy-making and implementation in Europe

DURATION
7 years

CONSORTIUM
**More than 80 partners
from 40+ countries in the
EU and beyond.**

PLAN
6 co-funded Calls

Biodiversa+ Call 2022 (BiodivMon Call) (PPŽ)

"Improved transnational monitoring of biodiversity and ecosystem change for science and society"

Topics:

- Innovation and harmonisation of methods and tools for collection and management of biodiversity monitoring data
- Addressing knowledge gaps on biodiversity status, dynamics, and trends to reverse biodiversity loss
- Making use of available biodiversity monitoring data

In total, 262 pre-proposals and 108 eligible full proposals were received.

*results will be official in November.

RESULTS

33 successful projects, 9 with CZE applicants*

FUNDING RATE

85 %

CALL BUDGET

500 ths. EUR (max. amount per project 170 ths. EUR); later increase of budget



Biodiversa+ Call 2023: (BiodivNBS Call) (SIGMA)

"Nature-based solutions for biodiversity, human well-being and transformative change – BiodivNBS"

Topics:

- Synergies and trade-offs of Nature-based solutions in the context of human well-being
- Nature-based solutions mitigating anthropogenic drivers of biodiversity loss
- The contribution of Nature-based solutions for just transformative change

ANNOUNCEMENT

11. 9. 2023

submission deadline
10.11. 2023 15:00 CEST

FUNDING RATE

80 %

CALL BUDGET

**680 ths. EUR (max.
amount per project
170 ths. EUR)**

Water4All Partnership

Objectives:

- Strengthening the water Research and Innovation (R&I) collaboration & strategic coordination
- Supporting and promoting demonstration and access to the market of innovative solutions
- Communicating water-related knowledge & data
- Providing tools for water management
- Designing and implementing approaches for participatory development of innovation

DURATION
2022-2029

CONSORTIUM

**More than 80 partners
from 31 countries in the
EU and beyond.**

PLAN

6 co-funded Calls

Water4All Call 2022: (EPSILON, RRF)

- Management of water resources: resilience, adaptation and mitigation to hydroclimatic extreme events and management tools

Topics 2022:

- Resilience, adaptation and mitigation to hydroclimatic extreme events
- Tools for water management - in the context of hydroclimatic extreme events
- Improved water governance in the context hydroclimatic extreme events and international contexts

RESULTS
**27 successful
projects**

FUNDING RATE
85 %

CALL BUDGET
**700 ths. € (max. amount
per project 230 ths. €)**

Water4All Call 2023: “Aquatic Ecosystem Services” (SIGMA)

General topic is “Ecosystem Services” with aquatic ecosystems as the focus, including inland surface water, groundwater, transitional and coastal water, and having water security on top of the objectives.

Topics 2023:

- Mapping, monitoring, and assessment for a better understanding of ecosystem services in a context of changes, from local to global change.
- Understanding and predicting multiple pressures (including anthropogenic pressures) – impact – response relationships in ecosystem services through advanced methods and techniques.
- New tools and solutions for a better integration of ecosystem services into the management of water resources.

ANNOUNCEMENT

12. 9. 2023

submission deadline

13.11. 2023 15:00 CEST

FUNDING RATE

80 %

CALL BUDGET

**450 ths. € (max. amount
per project 150 ths. €
incl. Knowledge Hub)**

Overview of multilateral calls in 2024

	Description	Date	Expected allocation in mil. CZK	Source of funding
1.	MV SIGMA, DC4 COFUND - M-ERA.Net (materials) - Call 2024	March 2024	TBD	TA ČR - SIGMA
2.	MV SIGMA, DC4 COFUND - CHIST-ERA (ICT) - Call 2024	autumn 2024	TBD	TA ČR - SIGMA
3.	MV SIGMA, DC4 Call on Quantum technologies Call 2024	TBD	TBD	TA ČR - SIGMA
4.	MV SIGMA, DC4 Partnership - Driving Urban Transitions - Call 2024	autumn 2024	TBD	TA ČR - SIGMA
5.	MV SIGMA, DC4 Partnership - Clean Energy Transition - Call 2024	autumn 2024	TBD	TA ČR - SIGMA
6.	MV SIGMA, DC4 Partnership - Water4All - Call 2024	autumn 2024	TBD	TA ČR - SIGMA
7.	MV SIGMA, DC4 Partnership - Biodiversa+ - Call 2024	autumn 2024	TBD	TA ČR - SIGMA
8.	MV SIGMA, DC 4 COFUND - CHIST-ERA - Challenge Call	January 2024?	TBD	TA ČR - SIGMA