

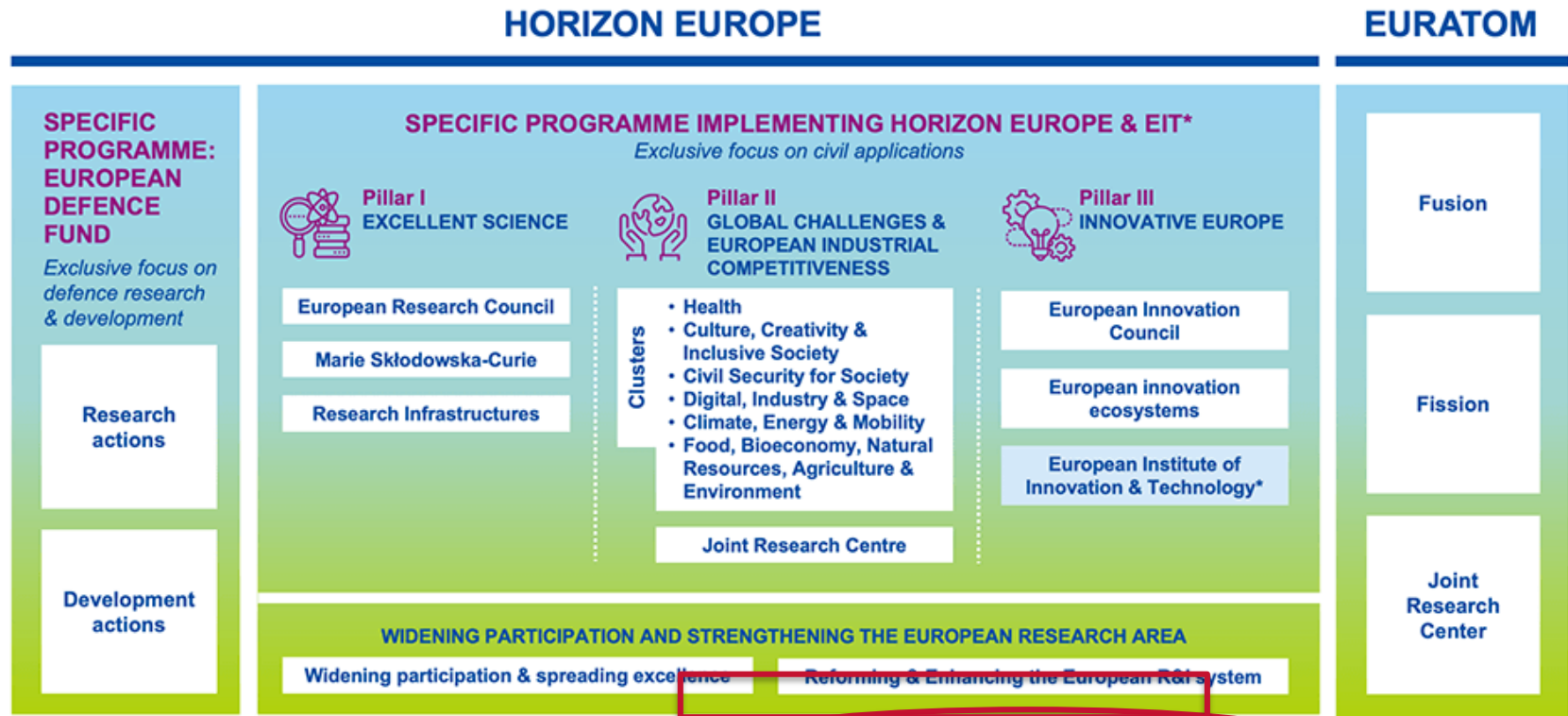
Destination 3 “Reforming and enhancing the EU Research and Innovation System”

**Βασιλική Καλοδήμου
Εθνικό Σημείο Επαφής στον Ορίζοντα Ευρώπη**

**ΔΙΑΔΙΚΤΥΑΚΟ ΣΕΜΙΝΑΡΙΟ
Εθνικό και Καποδιστριακό
Πανεπιστήμιο Αθηνών
Δευτέρα, 13 Σεπτεμβρίου 2021**



Where are we?



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





The basis of Widening participation & strengthening of the European Research Area

Political headlines 2019-2024

- › EU Green Deal
- › Europe fit for the Digital Age
- › Economy that works for people
- › Recovery Plan
- › ESFRI
- › ERA

ERA Communication

- › Prioritise **investments** and **reforms** in R&I for green, digital transition and COVID-19 recovery
- › Strengthen **mobility** of talents and free flow of knowledge
- › Boost **market uptake** of R&I results
- › Improve **access to excellence** (dissemination of best practices)

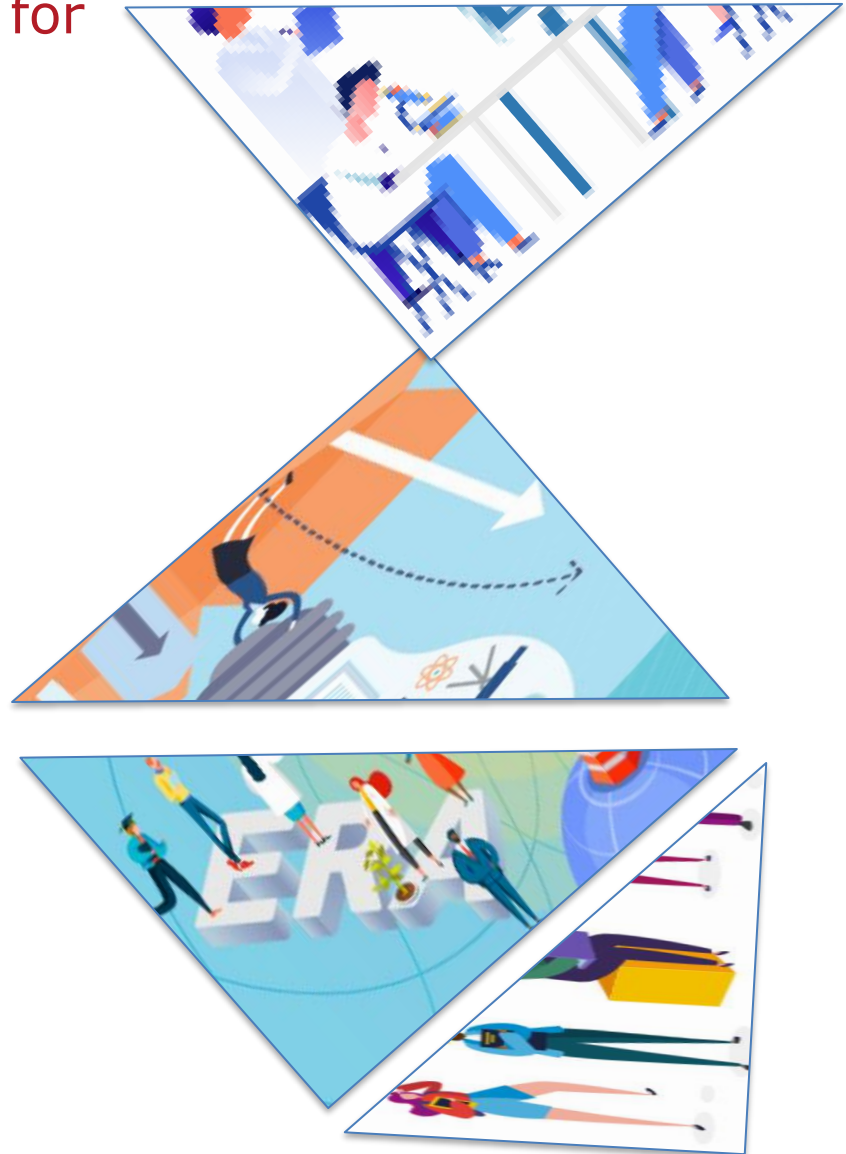




Why the ERA? – Challenges for R&I

Societal, ecological, economic challenges + COVID-19 recovery + digital + twin transition

- › Excellent research should translate more into disrupting innovation
- › efforts to foster more industrial innovation
- › More interconnection between national R&I – EU programmes
- › Intensified cooperation based on partnerships (private-public, public-public)





Widening Participation & Strengthening of the EU ERA

Destinations 1 & 2

Part 1: Widening Participation

- Teaming for Excellence
- Twinning
- ERA Chairs
- Excellence Hubs
- EU Excellence Initiative
- Hop-On

Destination (D.) 3

Part 2: Reforming & enhancing the EU R&I System

- Strand 1: Support to national policy makers
- Strand 2: Support to research managers
- Strand 3: ERA Hubs: knowledge creation, circulation and use
- Strand 4: Acceleration services for HEIs

Budget: 2,93 m

Budget: 0,4 m





Destination (D.) 3: Main objectives - Strands



Prioritise investments & reforms



Improving access to excellence



Translating R&I results into the
economy



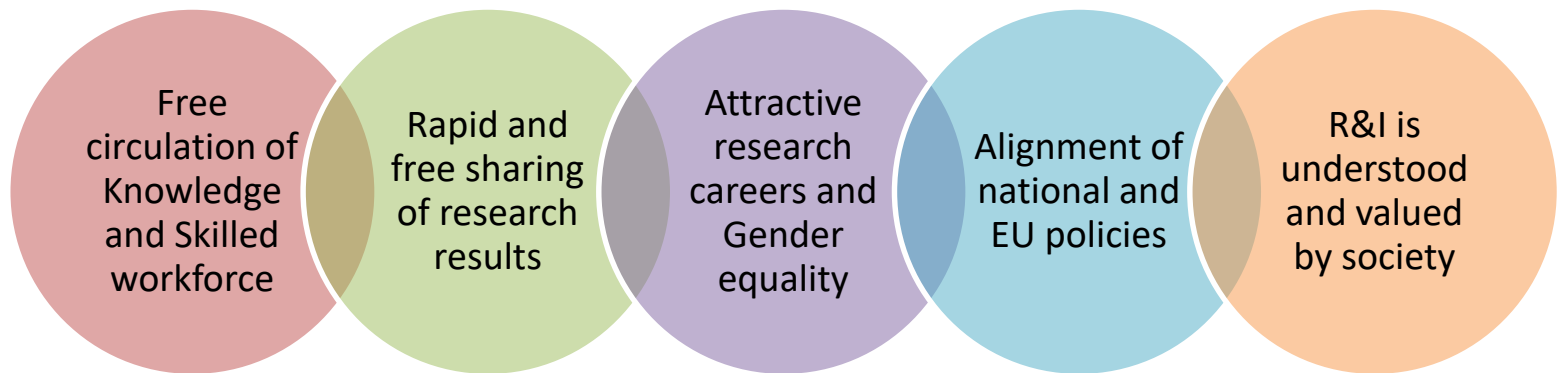
Deepening the ERA





D.3: Reforming and Enhancing the EU R&I system

Main aims



● Inclusivity

● Directionality

● Connectivity





Destination 3: Overview of funding opportunities

- › 2021 calls
- › Opening: 22nd June 2021
- › Deadline: 23rd September 2021
- › No of projects to be funded: 26
- › Budget: 61,5 M euro

- › 2022 calls
- › Opening: 19th January 2022
- › Deadline: 20th April 2022
- › No of projects to be funded: 25
- › Budget: 60,50 M euro

Research and Innovation Actions: 2 topics

Coordination and Support Actions: 13 topics





Prioritising Investment & Reforms





Prioritising Investment and Reforms

One topic for 2022

- › Support for policy makers, programme level collaboration between national R&I programmes
- › 2 projects to be supported
- › 2-3 budget per proposal
- ✓ Identification of joint priorities
- ✓ Leverage of funding
- ✓ Joint activities for cross-border innovation, including uptake of results, regulatory





Translating R&I results into
the economy





Indicative topics

- **HORIZON-WIDERA-2022-ERA-01-30:** Testing of the ERA Hub concept – pilot phase
 - CSA
 - 2 projects to be funded | 1,5 mio €
- **HORIZON-WIDERA-2022-ERA-01-32:** An experimentation space for the uptake and use of R&I results for EU resilience and future preparedness
 - CSA
 - 1 project to be funded | 3 mio €
 - Financial support to third parties





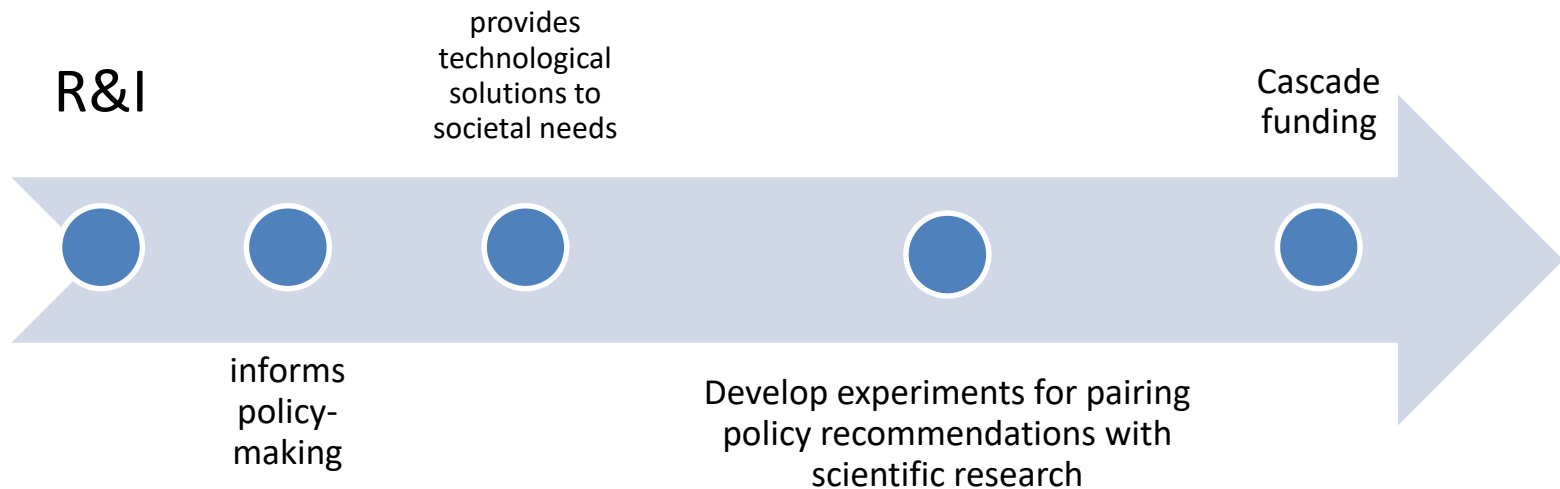
Testing of the ERA HUB concept – pilot phase

- › Build stronger knowledge ecosystems
- › Collaboration platform for best practice sharing across borders, sectors and disciplines
- › Build **interconnected + interoperable** ecosystems in the ERA for facilitating the creation, circulation, diffusion and take-up of knowledge
- › Connect national – regional ecosystem actors based on geography or thematic or smart specialisation or strategic considerations (ie. value chains)





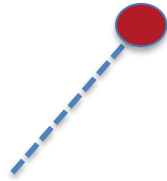
An experimentation space for the uptake and use of R&I results for EU resilience and preparedness



✓ **R&I results and new scientific knowledge can inform policy making**

✓ **Foster the use of R&I results with high policy relevance**





Deepening the ERA





Deepening the ERA

Indicative topics

- › Open science (reproducibility, FAIR)
- › Societal trust in science, research & innovation
- › Higher Education Institutions and Researchers
- › Science education/communication
- › Gender equality (, inclusive Gender Equality Plans, living labs)
- › Ethics and integrity in research
- › Responsible research and innovation





Open science indicative topics

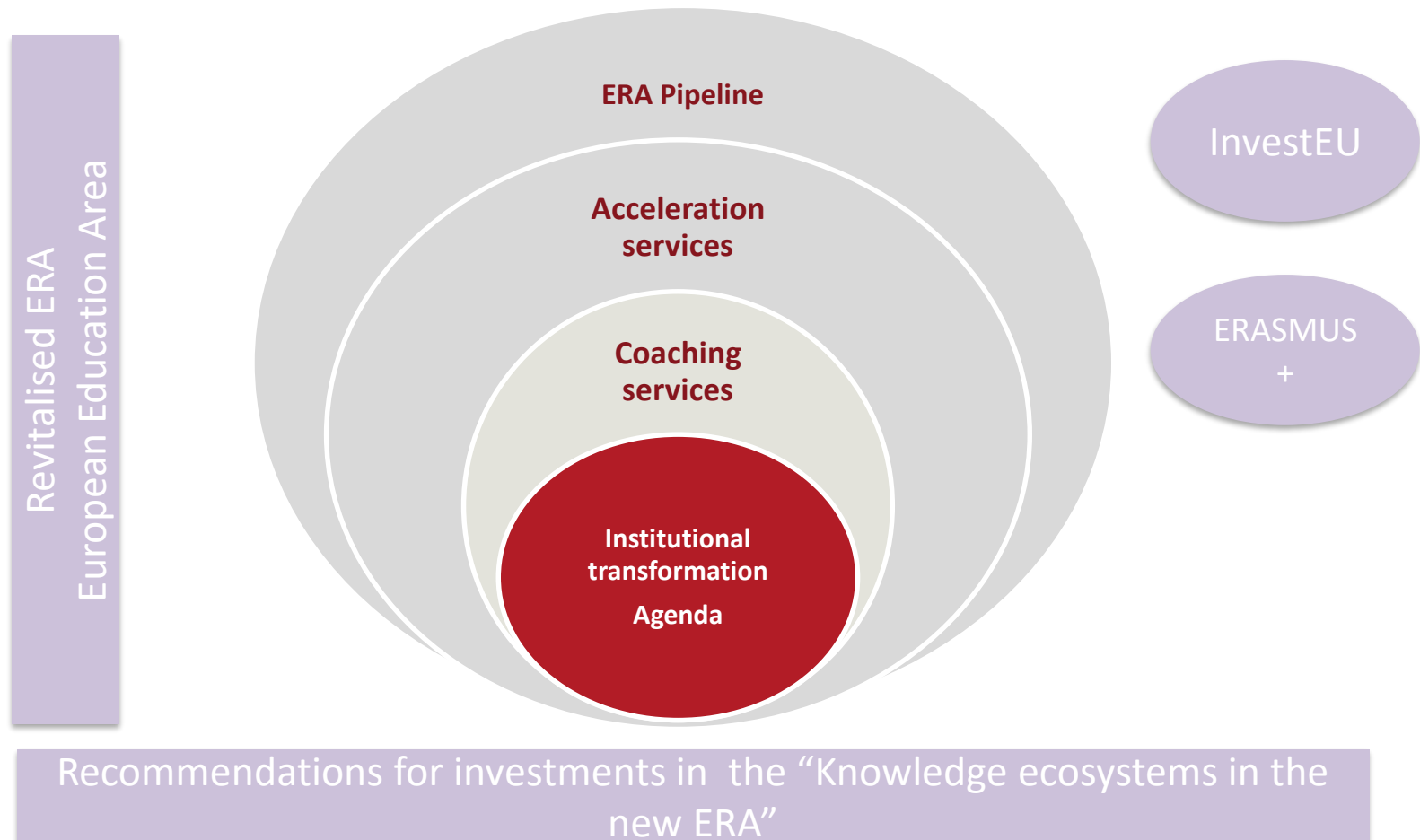
- › **HORIZON-WIDERA-2022-ERA-01-40:** Stepping-up institutional and territorial changes towards open and responsible research and innovation
 - CSA
 - 1 project to be funded | budget: 5 mio €
 - 'cascading grant: Financial support to third parties : 60 K €
- › **HORIZON-WIDERA-2022-ERA-01-41:** Increasing the reproducibility of scientific results
 - RIA
 - 2 projects to be funded | budget: 2 mio €
- › **HORIZON-WIDERA-2022-ERA-01-44:** Developing and piloting training on the practice of open and responsible research and innovation | CSA: 1 project: 3.5 mio €





Higher Education Institutions (HEIs) - Topics

Acceleration services in support of the institutional transformation of HEIs





Topic: **Acceleration Services** in support of the institutional transformation of HEIs

CSA | 1 project | 10,5 mio € | Duration: up to 5 years

Expected outcomes

- Together with other individual HEIs, Alliances of universities, surrounding ecosystem actors
- Transformation agenda
 - shared R&I strategies with other HEIs
 - Sharing capacity: infrastructure, etc (European Universities Initiative)
 - Improve attractiveness of researchers' careers (assessment and incentive regimes)
 - Collaboration with ecosystem actors
 - Mainsream digitalization, open science, gender equality plans





Topic: **Acceleration Services** in support of the institutional transformation of HEIs (cont)

Expected outcomes

- › Access to mentoring/coaching service
- › Develop **methodologies** to implement the required acceleration **services**
- › help institutions to successfully implement **a strategy and roadmap for transformation**
- › a **monitoring mechanism** to assess progress

Synergies with:

- › Towards a 2030 Vision on the Future of Universities in the field of research and innovation in Europe
- › Knowledge ecosystems in the new ERA
- › Develop policy recommendations





Topic: Developing an effective ERA talent pipeline

CSA | 2 projects | 1,5-2 mio €/proposal | Duration: up to 2 years

- › Based on European Skills Competences and Occupations (ESCO) framework
- › Diversification of the PHD programmes and practices (including non-academic actors)
- › Mainstreaming of tenure track like systems
- › to take measures to improve flow-through of talent within academia and to and from the non-academic sector
- › Establishment of a PILOT (training hubs) where non-academic actors can define the priorities of researchers' training and lifelong learning upskilling





Science communication & science education

- › HORIZON-WIDERA-2022-ERA-01-60: A European **competence centre** for science communication
 - Type of action: CSA
 - 1 project to be funded | 3 mio €

- › HORIZON-WIDERA-2022-ERA-01-70: **Open schooling** for science education and a learning continuum for all
 - Type of action: CSA
 - 3 projects to be funded | 1,5-2 mio €





Gender equality

- › **HORIZON-WIDERA-2022-ERA-01-81**: Support to the implementation of inclusive gender equality plans

- › **HORIZON-WIDERA-2022-ERA-01-80**: Living Lab for gender-responsive innovation
 - Type of action: RIA
 - 1 project to be funded | 3 mio €





Topic: Support to the implementation of inclusive Gender Equality Plans (GEPs)

- › **Budge/proposal:** 0,5-1 mio € | 4 projects to be funded
- › **Widening eligibility criteria:** Leading university or research organisation in gender equality + at least 3 less advanced institutions in widening countries incl. WB
- › **Twinning exercise** in gender balance in R&I across a specific discipline
- › Reduce heterogeneity of implementation of GEPs
- › Enhance attractiveness and research excellence of less advanced institutions in Gender Equality



Topic: Support to the implementation of inclusive Gender Equality Plans (GEPs)

- › incorporate intersectionality
- › **Twinning exercise** in gender balance in R&I across a specific discipline
- › Methods for exchanging best practices
- › Reinforce networking in the area of gender equality
- › On-site visits, physical or virtual trainings, workshops, dissemination, capacity-building activities
- › Implementation of specific actions in the less advanced institutions



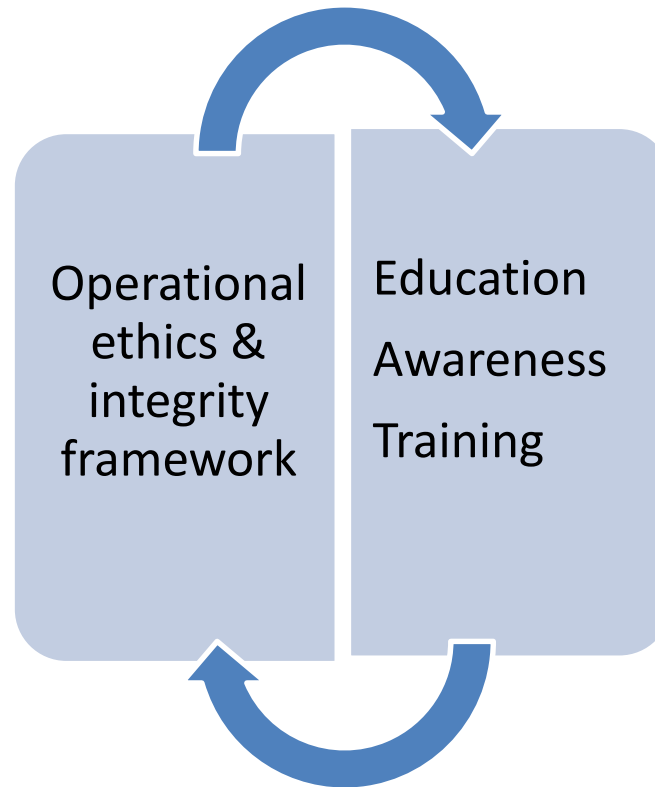
**GENDER
ACTION**





Research ethics and integrity

Emergencies, globalisation of research



New technologies – high socioeconomic impact





Ethics & Integrity:

The empirical and behavioural approach to research ethics and integrity

- › **Budget:** 3 mio euro – **1 proposal (CSA)**
- › **Trust** in science is key for an inclusive, open and democratic society
- › Several factors may lead researchers to **breach research ethics and integrity standards** and engage in questionable research practices (individual & institutional)
- › **a literature review**, map the existing knowledge on behavioural ethics and moral psychology and identify research outcomes and research needs.
- › **Public consultation**



the
embassy
of good
science

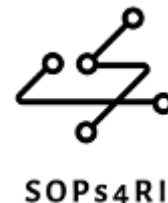




Ethics & Integrity: (continued)

The empirical and behavioural approach to research ethics and integrity

- › **improve the understanding of researchers' behaviours** and incorporate **this knowledge in measures** aiming at enhancing promotion of ethics and integrity principles through shared responsibility (individual and institutional)
- › **develop a comprehensive preventive policy** and support research organizations and research funders
- › **Develop training courses, adoption guidelines**
- › Structured cooperation with the e-platforms on research integrity
- › Involvement of industrial partners would add value to the consortium
- › INCO partners as associated partners



Thank you
for your attention

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