

# HORIZONTE EUROPA

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GOBIERNO  
DE ESPAÑA

MINISTERIO  
DE CIENCIA  
E INNOVACIÓN



FUNDACIÓN ESPAÑOLA  
PARA LA CIENCIA  
Y LA TECNOLOGÍA

oficina  
europea

# Ampliar la participación y fortalecer el Espacio Europeo de Investigación (ERA)

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Reformar y mejorar el sistema europeo de Investigación e Innovación

Jornada Informativa Convocatoria 2022  
18 y 19 Enero 2022

Borja Izquierdo  
Noelia Romero  
Aïda Díaz

Ponente invitada:  
Raquel Fernández Horcajada

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# Indice

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## Día 19 de enero: Reformar y mejorar el sistema europeo de Investigación e Innovación

10.30 – 10.40	<b>Bienvenida institucional</b> D. Borja Izquierdo Alonso – Director de Ciencia Internacional e Intersectorial de FECYT (MCIN)
10.40 – 11.10	<b>Introducción al programa: Reformar y mejorar el sistema europeo de Investigación e Innovación</b> Dña. Raquel Fernández Horcajada - Research Programme Administrator, Unidad REA.C4 “Reforming and Enhancing the European R&I System”
11.10 – 11.20	Resolución de dudas
11.20 – 12.20	<b>Reformar y mejorar el sistema europeo de Investigación e Innovación: Topics 2022</b>  Dña Aïda Díaz Sáez– NCP Widening-ERA - AGAUR Dña. Noelia Romero López – NCP Widening-ERA y CNC COST – FECYT (MCIN)
12.20 – 12.30	Resolución de dudas – FIN de la jornada

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- Introducción al programa: Reformar y mejorar el sistema europeo de Investigación e Innovación
- Servicios NCPs
- Programa de Trabajo 2022: Topics por ámbitos estratégicos
- Otras oportunidades más allá de ERA
- Más información

# Indice

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- **Introducción al programa: Reformar y mejorar el sistema europeo de Investigación e Innovación**
- Servicios NCPs
- Programa de Trabajo 2022: Topics por ámbitos estratégicos
- Otras oportunidades más allá de ERA
- Más información

# Preguntas

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Introducción al programa: Reformar y mejorar el sistema europeo de Investigación e Innovación



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- **Servicios NCPs**
- Programa de Trabajo 2022: Topics por ámbitos estratégicos
- Otras oportunidades más allá de ERA
- Más información

## Noelia Romero López

NCP Ampliar la participación y fortalecer el Espacio Europeo de Investigación

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Reformar y mejorar el sistema europeo de Investigación e Innovación





# Equipo de Puntos Nacionales de Contacto

CIENCIA EXCELENTE

DESAFÍOS MUNDIALES

EUROPA INNOVADORA

WIDENING+ERA

MÁS EUROPA

Ampliar la participación y fortalecer el espacio europeo de investigación (Widening+ERA)



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# Delegación española WIDERA: Estructuras de apoyo

## Puntos Nacionales de Contacto

- **NCP** - nombrados por los respectivos Ministerios de cada país miembro de la UE, para asesorar y promover la participación en este programa
  - **Noelia Romero (FECYT): WIDERA y COST**
  - **Ana Hidalgo (CSIC): Widening**
  - **Aida Díaz (AGAUR): ERA**
  - **Laura Bonora (FECYT): OA/OS**
  - **Almudena Carrero (FECYT): Género**

## Delegación en Comité de Programa

- Representar y defender los intereses de las entidades españolas en el seno de las actividades que se desarrollan en Horizonte Europa
- **Representante nacional:**  
**Cecilia Cabello (FECYT)**
- **Expertos:**  
**Borja Izquierdo (FECYT)**  
**Joaquín Serrano (AEI)**

# Servicios NCPs

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## Para todos:

- Sesiones informativas y webinarios
- Resolución de consultas

## Para coordinadores:

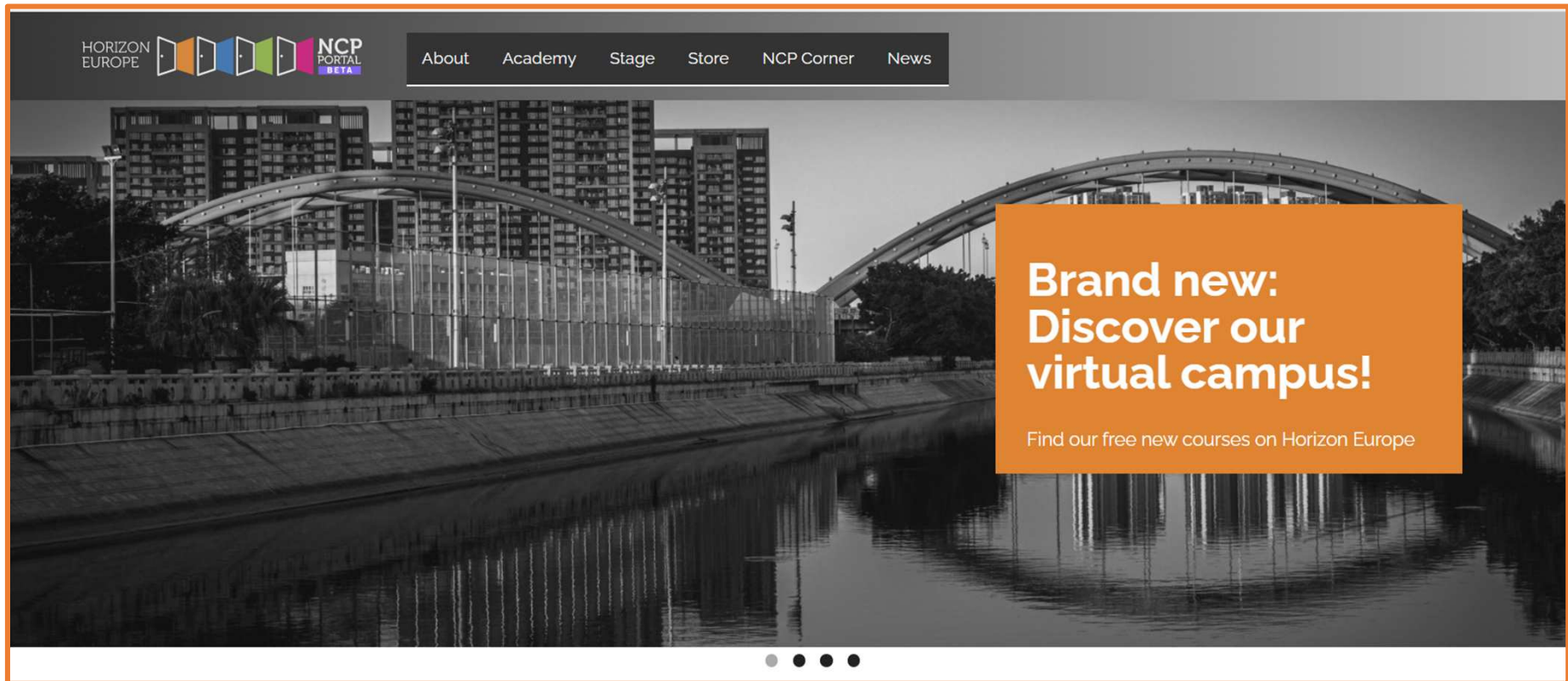
- Asesoramiento sobre el encaje de la idea de proyecto
- Revisión de propuestas (con fecha tope de recepción de propuestas)
- Talleres de preparación y escritura de propuestas

## Para socios:

- Herramientas de búsqueda de socios a través de la Red europea de NCPs de WIDERA y de la web Horizonte Europa

[widening-era@fecyt.es](mailto:widening-era@fecyt.es)

# NCP Portal



<https://www.horizoneuropencpportal.eu/>

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# Indice

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- Introducción al programa: Reformar y mejorar el sistema europeo de Investigación e Innovación
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# El programa



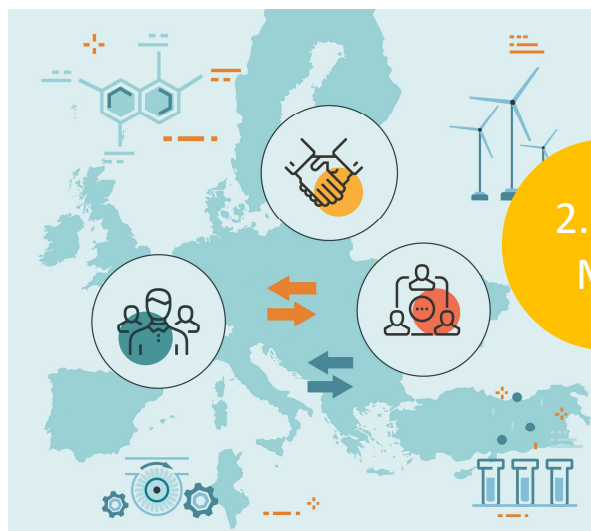
3.181 M€

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# El programa

3.181  
M€

Ampliar la participación y  
difundir la excelencia



Reducir el gap entre los países más  
avanzados y los menos avanzados  
en I+D+I  
Destinos 1 y 2

Programa COST



2.823  
M€

Acuerdo común: al menos el **3,3%** del  
presupuesto de Horizonte Eur

Reformar y mejorar el sistema  
europeo de I+I



358  
M€

Fortalecer el Espacio Europeo de  
Investigación - Alineamiento con  
Destino 3

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# Reformar y mejorar el sistema europeo de I+D

## 2. Improving access to excellence

- Networking for research managers
- Support for Western Balkans

## 3. Translating R&I results into economic value

- Standardisation booster, Innowide Bridging, IP mgmt
- Place-based innovation, ERA hubs

## 1. Prioritising investments

- Policy Support Facility
- Support for policy makers

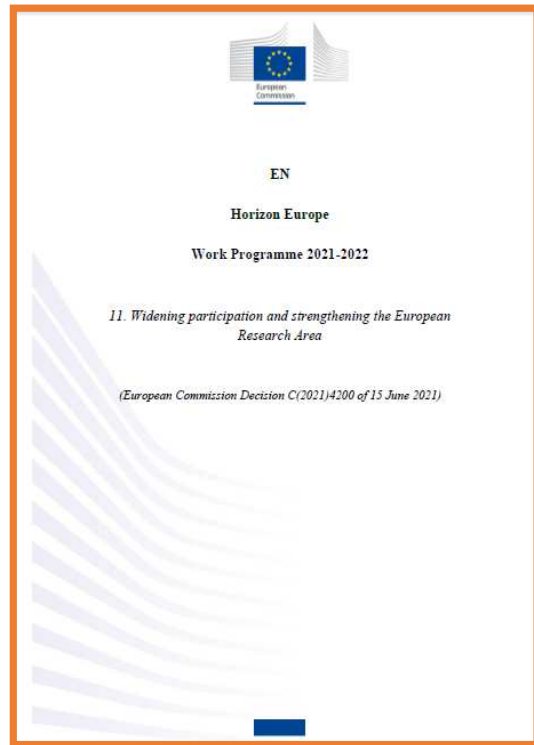
## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender





# Programa de Trabajo 2021-2022



[Enlace](#)

- Publicación WP: 16 Junio 2021

- 2 años
- 3 Destinations
- Destino 3\_ERA:
  - ✓ Predominancia de CSAs y RIAs
  - ✓ Convocatorias a una fase
  - ✓ Posibilidad de "resubmission"

[Funding & Tenders \(europa.eu\)](#) [SearchSearch](#)

# Programa de Trabajo 2021-2022

<b>Acciones de Investigación e Innovación (RIA)</b>  100%	<ul style="list-style-type: none"><li>• Generar nuevos conocimientos</li><li>• Comprobar la viabilidad de nuevas tecnologías, productos, procesos, servicios o soluciones.<ul style="list-style-type: none"><li>✓ Investigación básica y aplicada.</li><li>✓ Desarrollo tecnológico.</li><li>✓ Testeo y validación mediante prototipos a pequeña escala en laboratorio o entorno simulados.</li></ul></li><li>• Demostración con proyectos pilotos.</li></ul>
<b>Acciones de Innovación (IA)</b>  70% (Excepto para organizaciones sin fines de lucro, que tienen el 100%)	<ul style="list-style-type: none"><li>• Destinados a elaborar planes, disposiciones y/o diseño para productos, procesos o servicios nuevos, modificados o mejorados:<ul style="list-style-type: none"><li>✓ Desarrollo de prototipos.</li><li>✓ Ensayos.</li><li>✓ Demostración.</li><li>✓ Validación de producto a gran escala y de aplicación comercial.</li></ul></li><li>• Actividades de demostración y piloto que tienen como objetivo la viabilidad técnica y económica de una tecnología (i.e: prototipo o demostrador).</li><li>• Actividades de aplicación comercial tienen como objetivo apoyar la primera aplicación en el mercado de una innovación ya demostrada pero que aún no se ha aplicado.</li></ul>
<b>Acciones de Coordinación y Apoyo (CSA)</b>  100%	<p>Medidas de acompañamiento:</p> <ul style="list-style-type: none"><li>✓ Estandarización.</li><li>✓ Difusión, sensibilización y comunicación.</li><li>✓ Redes, coordinación de servicios de apoyo.</li><li>✓ Diálogos políticos.</li><li>✓ Estudios y actividades de aprendizaje mutuo.</li></ul>

# Programa de Trabajo 2021-2022

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## PLAZOS CONVOCATORIAS 2022



Budget	
2021	2022
61,5 M€	60,5 M€

	2021 Call	2022 Call
Publication	22/06/2021	<b>19/01/2022</b>
Call Deadline	23/09/2021	<b>20/04/2022</b>
Evaluation*	October-November 2021	<b>May/June 2022</b>
Results	End 2021 / At the beginning of 2022	<b>July 2022</b>

\* Estimación; Sujeto a cambios

# Programa de trabajo 2021-2022: TOPICS

~~2021: 20~~  
~~2022: -~~

## 2. Improving access to excellence

- Networking for research managers
- Support for Western Balkans



## 3. Translating R&I results into economic value

- Standardisation booster, Innwide Bridging, IP mgmt
- Place-based innovation, ERA hubs

## 1. Prioritising investments

- Policy Support Facility
- Support for policy makers

## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender



~~2021: 9~~  
~~2022: 10~~

~~2021:~~

~~Open Science: 40, 41, 43, 44, 45~~

~~Higher Education Institutions and Researchers: 50~~

~~Citizen Science: 60, 61~~

~~Science Education: 70~~

~~Gender Equality: 80, 81~~

~~Ethics&Integrity: 90, 91~~

~~2022:~~

~~Open Science: 40, 41, 42, 44~~

~~HEI&R: 50, 51~~

~~Science Communication: 60~~

~~Science Education: 70~~

~~Gender Equality: 80, 81~~

~~Ethics&Integrity: 91~~

~~2021: 30, 31, 32, 33~~

~~2022: 30, 31, 32~~

# Programa de trabajo 2021-2022: TOPICS



## 1. Prioritising investments

- Policy Support Facility
- Support for policy makers

TOPIC	TITLE
HORIZON-WIDERA-2021-ERA-01-09	Support for policy makers – Programme level collaboration between national R&I programmes
<b>HORIZON-WIDERA-2022-ERA-01-10</b>	<b>Support for policy makers – Programme level collaboration between national R&amp;I programmes</b>

## HORIZON-WIDERA-2022-ERA-01-10: Support for policy makers – Programme level collaboration between national R&I programmes

### Rationale

- The new policy approach to European Partnerships limits co-funding to Union and Horizon Europe priorities

### Objective

- Align national and regional research funding programmes (managed by national or regional programme owners / managers) on agreed common priorities

### Expected Outcome

- Coordinate national and regional R&I programmes Identification of common research and innovation priorities.
- Implementation of multiannual joint calls (funding of transnational collaborative R&I projects)
- Joint activities supporting the market, regulatory or societal uptake of results;
- Contribution to participating states meeting Global Challenges, including relevant contribution to the SDGs.

Not overlap with other on-going actions co-funded by the EU

Third countries/regions participation is encourage

CSA  
7,5 M€ (3 proy)

# Programa de trabajo 2021-2022: TOPICS



## 3. Translating R&I results into economic value

- Standardisation booster, Innowide Bridging, IP mgmt
- Place-based innovation, ERA hubs

TOPIC	TITLE
HORIZON-WIDERA-2021-ERA-01-30:	Implementation of a new macro-economic modelling concept
HORIZON-WIDERA-2021-ERA-01-31:	Innowide Bridging Facility
HORIZON-WIDERA-2021-ERA-01-32:	Standardisation Booster for fostering exploitation of FP-funded research results
HORIZON-WIDERA-2021-ERA-01-33:	R&I intensive IP management: Scenarios for the future
<b>HORIZON-WIDERA-2022-ERA-01-30:</b>	<b>Testing of the ERA Hub concept – pilot phase</b>
<b>HORIZON-WIDERA-2022-ERA-01-31:</b>	<b>Innowide Bridging Facility</b>
<b>HORIZON-WIDERA-2022-ERA-01-32:</b>	<b>An experimentation space for the uptake and use of R&amp;I results for EU resilience and future preparedness</b>

## HORIZON-WIDERA-2022-ERA-01-30: Testing of the ERA Hub concept – pilot phase

### Rationale:

- There is a need to make compatible and interoperable the policy frameworks that govern existing structures for knowledge transfer and sharing, and address common criteria for assessing work, processes and outputs

### Objectives:

- The main goal of the action is to fine-tune through experimentation the designed concept of ERA Hubs and its technical specifications and compliance criteria, share practices, as well as provide a toolkit of best practices and activities that ensure a strong basis for a potential scale-up in different geographies across the EU territory in the next phase.

### Expected Outcome:

- Test the new ERA Hubs concept across different geographies and structures in Europe
- Better coordinate relationships between the European Research Area and relevant national or regional stakeholders in order to ensure the smart directionality introduced in the new ERA.
- Develop a common platform for collaboration and best practice sharing across borders, sectors and disciplines on knowledge production, circulation and use.
- Increase both the interoperability of the European ecosystems and the intra-operability within each territorial ecosystem, aiming to improve coordination, and foster excellence.
- Facilitate a better circulation and absorption of talents in countries/regions, as well as improve knowledge circulation and uptake of research results.
- Provide a toolbox of best practices for researchers, innovators, industry and institutions across Europe to cooperate.

CSA  
3 M€ (2 proy)

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## HORIZON-WIDERA-2022-ERA-01-31: Innowwide Bridging Facility

### Rationale:

- European and African SMEs need to develop partnerships with their strategic counterparts to generate joint business opportunities in new product-market combinations.

### Objectives:

- Support innovative European and African SMEs in conducting Viability Assessment Projects (VAPs) in Europe and Africa, creating the favourable conditions needed to increase the uptake of European and African innovative solutions in each other's markets.

### Expected Outcome:

- Contributing to implementing the objective of "A stronger Europe in the world" and aiming to support building knowledge economies.
- Economic growth and job creation in the EU and in Africa, contributing to the Agenda 2030 and relevant policies, and enhancing the visibility of EU R&I at the international scene.
- Transfer and internationalisation of demonstrated technologies and know-how, both to and from the EU and Africa

**50,000  
€/each VAP**

**Cascade funding (financial support to  
third parties)**

**CSA  
1,5 M€ (1  
proy)**

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## HORIZON-WIDERA-2022-ERA-01-32: An experimentation space for the uptake and use of R&I results for EU resilience and future preparedness

### Rationale

Testing policy recommendations and findings of scientific research through experiments and novel methodologies increases understanding of the implications, risks and opportunities of possible new solutions, enabling societies to respond faster and more effectively to crises and build resilience and social cohesion.

### Objectives:

- Design of appropriate trial mechanisms that will test research findings which can be translated to policy and new societal solutions, and thereby provide policy makers and citizens with a high degree of confidence and trust in responding to new challenges.

### Expected Outcome:

- A methodology and toolbox to design and implement testing of policy relevant.
- A knowledge base of EU research findings, with high capacity to inform policy and engage citizens and research communities, that are tested, including the methodologies for testing (small scale experiments, randomised control trials etc).
- Lessons learnt to enhance the use of R&I results to enable fast response in the face of future crises and strengthen economic and social resilience.

Cascade funding (financial support to third parties).  
The maximum amount will be 60.000/each third party.

CSA  
3 M€ (1 proy)

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# Programa de trabajo 2021: TOPICS



## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender



**Horizon 2020**  
2014-2020

	Orientación	Nº Topics
1	Ciencia Abierta	4
2	Institución educación superior e investigadores	2
3	Comunicación científica	1
4	Educación Científica	1
5	Género	2
7	Ética e integridad	1

# Work Programme 2022: TOPICS

OPEN SCIENCE	
ERA-01-40	Stepping-up institutional and territorial changes towards open and responsible research and innovation
ERA-01-41	Increasing the reproducibility of scientific results
ERA-01-42	Supporting the development of aligned policies for open access books and monographs
ERA-01-44	Developing and piloting training on the practice of open and responsible research and innovation
HIGHER EDUCATION INSTITUTIONS AND RESEARCHERS	
ERA-01-50	Developing an effective ERA talent pipeline
ERA-01-51	Acceleration Services in support of the institutional transformation of Higher Education Institutions
SCIENCE COMMUNICATION	
ERA-01-60	A European competence centre for science communication
SCIENCE EDUCATION	
ERA-01-70	Open schooling for science education and a learning continuum for all
GENDER EQUALITY	
ERA-01-80	Living Lab for gender-responsive innovation
ERA-01-81	Support to the implementation of inclusive gender equality plans
ETHICS AND RESEARCH INTEGRITY	
ERA-01-91	The empirical and behavioural approach to research ethics and integrity

← **H2020**

← **H2020**

← **H2020**

← **H2020**

# Programa de trabajo 2022: TOPICS



## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender

## Ciencia Abierta

TOPIC	TITLE
HORIZON-WIDERA-2022-ERA-01-40:	Stepping-up institutional and territorial changes towards open and responsible research and innovation
HORIZON-WIDERA-2022-ERA-01-41:	Increasing the reproducibility of scientific results
HORIZON-WIDERA-2022-ERA-01-42:	Supporting the development of aligned policies for open access books and monographs
HORIZON-WIDERA-2022-ERA-01-44:	Developing and piloting training on the practice of open and responsible research and innovation

## HORIZON-WIDERA-2022-ERA-01-40: Stepping-up institutional and territorial changes towards open and responsible research and innovation

### Objectives:

Support institutions and territories to implement sustainable institutional changes and open up to society.

### Expected Outcome:

- Consolidated evidence base on sustainable institutional and territorial changes towards open and responsible research and innovation;
- A **central point** of expertise providing **services** and **support** for research and innovation institutions, and territories, to open up to society;
- A significant number of institutions and territories in the European Research Area (ERA) become more porous to society, gender, ethics, etc issues.
- **Reduction in disparities between institutions and territories** in terms of their attention to open and responsible research and innovation.

### Activities:

- Consolidating the **evidence base** and develop **innovative guidance and other materials**.
- **Cascading grant**: to support institutional changes across EU institutions and territories (e.g. 70-100)
- **Central point of expertise** and support services on open and responsible research and innovation. Visibility

Quadruple  
hèlix,  
disciplines  
and sectors

International  
networking

Proactive freely  
share  
With other grants  
(include efforts)

Recommendations to  
policy makers and  
awareness

Cooperation with  
other projects

CSA  
5 M€ (1 proy)

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## HORIZON-WIDERA-2022-ERA-01-40: Cascade Funding

### Horizon Europe General Model Grant Agreement

- [OPTION if selected for the call: Costs for providing financial support to **third parties** (actual cost; max amount for each recipient: EUR [60 000]/[L<sub>max</sub>]<sup>9</sup>)

#### D. Other cost categories

[OPTION if selected for the call: D.1 Financial support to **third parties**

**Costs for providing financial support to third parties** (in the form of grants, prizes or similar forms of support; if any) are eligible, if and as declared eligible in the call conditions, if they fulfil the general eligibility conditions, are calculated on the basis of the costs actually incurred and the support is implemented in accordance with the conditions set out in Annex 1.

These conditions must ensure objective and transparent selection procedures and include at least the following:

- (a) for grants (or similar):
  - (i) the maximum amount of financial support for each third party ('recipient'); this amount may not exceed the amount set out in the Data Sheet (see Point 3)<sup>26</sup> or otherwise agreed with the granting authority
  - (ii) the criteria for calculating the exact amount of the financial support
  - (iii) the different types of activity that qualify for financial support, on the basis of a closed list
  - (iv) the persons or categories of persons that will be supported and
  - (v) the criteria and procedures for giving financial support
- (b) for prizes (or similar):
  - (i) the eligibility and award criteria
  - (ii) the amount of the prize and
  - (iii) the payment arrangements.

This cost will not be taken into account for the indirect cost flat-rate./

#### 9.4 Recipients of financial support to **third parties**

If the action includes providing financial support to **third parties** (e.g. grants, prizes or similar forms of support), the beneficiaries must ensure that their contractual obligations under Articles 12 (conflict of interest), 13 (confidentiality and security), 14 (ethics), 17.2 (visibility), 18 (specific rules for carrying out action), 19 (information) and 20 (record-keeping) also apply to the **third parties** receiving the support (recipients).

The beneficiaries must also ensure that the bodies mentioned in Article 25 (e.g. granting authority, OLAF, Court of Auditors (ECA), etc.) can exercise their rights also towards the recipients.

Changes

- Specific disciplines
- Morri Country clústers
- Criteria

i.e 70 a 100 Changes



[Link](#)

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## HORIZON-WIDERA-2022- ERA-01-40



[Enlace](#)

## SWAFS\_RRI Institucional

Proyecto	Título	Presupuesto (€)	Fechas	Coordinador	País Coordinador	Socios	Nº de entidades participantes	Web CE	Web Proyecto
<b>GARRI-1-2014. Fostering RRI uptake in current research and innovations systems</b>									
FoTRRIS	Fostering a Transition towards Responsible Research and Innovation Systems	1,7M	01-10-2015 31-03-2018 Ended	VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V	BE	EU:FR,HU,ES,IT,BE,AT	7	<a href="https://cordis.europa.eu/project/rcn/197907/en">https://cordis.europa.eu/project/rcn/197907/en</a>	<a href="http://fottrris-h2020.eu/">http://fottrris-h2020.eu/</a>
PROSO	Promoting societal engagement under the terms of RRI	1,4M	01-01-2016 28-02-2018 Ended	DIALOGIK GEMEINNUTZIGE GESELLSCHAFT FUER KOMMUNIKATIONS- UND KOOPERATIONSFORSCHUNG mbH	DE	EU:BU,UK(2),PT,AT,BE,DE	8	<a href="http://cordis.europa.eu/project/referece/665947">http://cordis.europa.eu/project/referece/665947</a>	<a href="http://www.proso-project.eu/">http://www.proso-project.eu/</a>
<b>ISSI-5-2014 Supporting structural change in research organisations to promote Responsible Research and Innovation</b>									
NUCLEUS	NUCLEUS - New Understanding of Communication, Learning and Engagement in Universities and Scientific Institutions	4M	01-09-2015 31-08-2019 Ended	HOCHSCHULE RHEIN-WAAL- HSRW RHINE-WAAL UNIVERSITY OF APPLIED SCIENCES	DE	EU: FR(2), DE(5), GR,MT, NL(2), UK(5),IT,AT,IE AC:SRB TC:CN(2),ZAF,GE	25	<a href="https://cordis.europa.eu/project/id/664932">https://cordis.europa.eu/project/id/664932</a>	<a href="http://www.nucleus-project.eu/">http://www.nucleus-project.eu/</a>
<b>GARRI-2-2015 Responsible Research and Innovation in industrial context</b>									
SMART-map	RoadMAPs to Societal Mobilisation for the Advancement of Responsible Industrial Technologies	1,7M	01-01-2016 31-07-2019 Ended	TECHNISCHE UNIVERSITEIT DELFT	NL	EU:NL,DE,IT,UK	5	<a href="https://cordis.europa.eu/project/id/710543">https://cordis.europa.eu/project/id/710543</a>	<a href="https://www.innovation-compass.eu/">https://www.innovation-compass.eu/</a>
COMPASS	Evidence and opportunities for responsible innovation in SMEs	1,5M	01-05-2016 30-04-2019 Ended	WIRTSCHAFTSUNIVERSITAT WIEN	AT	EU:UK,CY,ES,BE(2),NL	7	<a href="https://cordis.europa.eu/project/id/710059">https://cordis.europa.eu/project/id/710059</a>	<a href="https://www.rri-prisma.eu/">https://www.rri-prisma.eu/</a>
PRISMA	Piloting RRI in Industry: a roadmap for transforMative technologies	1,5M	01-05-2016 31-10-2018 Ended	AARHUS UNIVERSITET	DK	EU:UK(2),IT(2),HU,DE,AT,ES	9	<a href="https://cordis.europa.eu/project/id/710500">https://cordis.europa.eu/project/id/710500</a>	<a href="http://projectsmartmap.eu/">http://projectsmartmap.eu/</a>
<b>Swafs-05-2018-2019 - Grounding RRI practices in research and innovation funding and performing organisations</b>									
Co-Change	Co-Create Change in Research Funding and Performing	1,5M	01-02-2020 31-01-2023 Running	AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH	AT	EU:FI,HU,ES,NL,AT,FI,RS	8	<a href="https://cordis.europa.eu/project/id/873112">https://cordis.europa.eu/project/id/873112</a>	
ETHNA System	Ethics Governance System for RRI in Higher Education, Funding and Research Centres	1,5M	01-01-2020 31-12-2022 Running	UNIVERSITAT JAUME I DE CASTELLON	ES	EU:ES,AT,BU,DK,DE(2),EE,PT AC:NO	10	<a href="https://cordis.europa.eu/project/id/872360">https://cordis.europa.eu/project/id/872360</a>	
GRACE	Grounding RRI Actions to Achieve Institutional Change in European Research Funding and Performing Organisations	1,5M	01-01-2019 31-12-2021 Running	FONDATION EUROPEENNE DE LA SCIENCE	FR	EU:IT(2),DK,GR,BE,NL,SE,ES,SI	10	<a href="https://cordis.europa.eu/project/id/824521">https://cordis.europa.eu/project/id/824521</a>	<a href="http://grace-rri.eu/">http://grace-rri.eu/</a>
GRRIP	Grounding RRI practices in research performing organisations	1,5M	01-01-2019 31-12-2022 Running	UNIVERSITY COLLEGE CORK	IE	EU:UK(2),FR(2),PT,ES,IT,DE,NL,IE(2)	12	<a href="https://cordis.europa.eu/project/id/820283">https://cordis.europa.eu/project/id/820283</a>	<a href="http://grrip.eu/">http://grrip.eu/</a>
RESBIOS	REsponsible research and innovation grounding practices in BIOSciences	1,5M	01-01-2020 31-12-2022 Running	UNIVERSITA DEGLI STUDI DI ROMA TOR VERGATA	IT	EU:HR,GR,ES,IT,AT,DE,PL,BU,SI,DK TC:UKR	12	<a href="https://cordis.europa.eu/project/id/872146">https://cordis.europa.eu/project/id/872146</a>	

HORIZONTE  
**EUROPA**



SWAFS\_RRI Territorial

(	Título	Presupuesto (€)	Fechas	Coordinador	País Coordinador	Socios	Nº de entidades participantes	Web CE	Web Proyecto
<b>ISSI-4-2015 On-line mechanisms for knowledge-based policy advice (RIA)</b>									
ON-LINE S3	ONLINE Platform for Smart Specialisation Policy Advice	3,9M	1/05/2016 30/06/2018 Ended	Research, Technology Development and Innovation, S.L	ES	EU:EL(3),BE,AT(2),SI,SK,UK(3),FI	13	<a href="https://cordis.europa.eu/project/id/710659">https://cordis.europa.eu/project/id/710659</a>	<a href="https://www.onlines3.eu">https://www.onlines3.eu</a>
<b>SWAFS-14-2018 Supporting the development of territorial Responsible Research and Innovation (CSA)</b>									
TeRRIFICA	Territorial RRI fostering Innovative Climate Action	2,0M	1/01/2019 30/06/2020 Running	WISSENSCHAFTS LADEN BONN EV	DE	EU: ES,FR,PL,DE (2) AC: RS TC:BY	8	<a href="https://cordis.europa.eu/project/id/824489">https://cordis.europa.eu/project/id/824489</a>	<a href="https://www.terrifica.eu">https://www.terrifica.eu</a>
TeRRitoria	Territorial Responsible Research and Innovation Through the involvement of local R&I Actors	2,0M	1/02/2019 31/01/2022 Running	FONDATION EUROPEENNE DE LA SCIENCE	EL	EU: Dk(2),EL(2),BG(2),IT(3),BE,PL,AT,FI,RO AC: NO(2)	17	<a href="https://cordis.europa.eu/project/id/824565">https://cordis.europa.eu/project/id/824565</a>	<a href="http://territoriaproject.eu/">http://territoriaproject.eu/</a>
SeeRRI	Building Self-Sustaining Research and Innovation Ecosystems in Europe through Responsible Research and Innovation	2,0M	1/01/2019 30/06/2021 Running	NORDLANDSFORSKNING AS	NO	EU: AT(3),ES(4),IT AC:IL, NO(2)	12	<a href="https://cordis.europa.eu/project/id/824588">https://cordis.europa.eu/project/id/824588</a>	<a href="https://www.see-rri.eu">https://www.see-rri.eu</a>
<b>SWAFS-14-2019 Supporting the development of territorial Responsible Research and Innovation (CSA)</b>									
RRI2SCALE	Responsible Research and Innovation Ecosystems at Regional Scale for Intelligent Cities, Transport and Energy	2,0M	1/01/2020 31/12/2022 Running	AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA	IT	EU:NL(3),EL(2),ES,AT,BE AC: NO(2)	11	<a href="https://cordis.europa.eu/project/id/872526">https://cordis.europa.eu/project/id/872526</a>	
TRANSFORM	Territories as Responsive and Accountable Networks of S3 through new Forms of Open and Responsible decision-Making	2,1M	1/01/2020 31/12/2022 Running	FONDAZIONE GIANNINO BASSETTI	IT	EU: BE (5),ES(3),IT(2) AC: NO TC:US	12	<a href="https://cordis.europa.eu/project/id/872687">https://cordis.europa.eu/project/id/872687</a>	
CHERRIES	Constructing Healthcare Environments through Responsible Research Innovation and Entrepreneurship Strategies	2,0M	1/01/2020 31/12/2022 Running	ZENTRUM FÜR SOZIALE INNOVATION GMBH	AT	EU:ES(4),SE(2),CT(2),BE,IT,NL	12	<a href="https://cordis.europa.eu/project/id/872873">https://cordis.europa.eu/project/id/872873</a>	
DigiTeRRI	Responsible research and innovation approach for transitioning the traditional industry regions into digitalised industry territories.	2,0M	1/01/2020 31/12/2022 Running	AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH	AT	EU: SE(3),AT(3),FR(3),ES AC: NO	12	<a href="https://cordis.europa.eu/project/id/873010">https://cordis.europa.eu/project/id/873010</a>	

## HORIZON-WIDERA-2022-ERA-01-41: Increasing the reproducibility of scientific results

### Rationale

A need to address inefficiencies in the research process, avoid repetition, maximise return on investments, prevent the propagation of mistakes, and to facilitate the translation of results into innovations.

### Objective:

Increase the proportion of reproducible and re-use of scientific results

### Expected Outcome:

- Structured understanding of the underlying drivers, of concrete and effective interventions - funding, community-based, technical and policy - to increase reproducibility of the results of R&I; and of their benefits;
- Effective solutions, policy-, technical- and practice-based, to increase the reproducibility of R&I results in funding programmes, in communities and in the dissemination of scientific results;
- Greater collaboration, alignment of practices and joint action by stakeholders to increase reproducibility, including but not limited to training, specialised careers and guidelines for best practice.

### Activities:

- Demonstrate positive effects of reproducibility.
- Find, experiment and mainstream concrete solutions and best practices

**Stakeholders  
collaboration**

**Collaboration  
with other Call  
topic**

**Proactive freely  
share  
With other grants  
(include efforts)**

**Deliver practices  
and practical  
tools for funders**

**Assist European  
Commission work**



[Link](#)

**RIA  
4 M€ (2 proy)**

HORIZONTE  
**EUROPA**

## HORIZON-WIDERA-2022-ERA-01-42: Supporting the development of aligned policies for open access books and monographs

### Rationale:

Open access for monographs and other long-text formats has been a slow process in multiple aspects.

### Objectives:

- To address and increase equity, diversity and inclusivity in open science practices<sup>83</sup> inside the European Research Area.

### Expected Outcome:

- Improve the understanding of the current landscape of scientific book and monograph publishing in different fields of science in which it plays an important role, and in particular the bottlenecks in strategies and policies for their open access.
- Support aligned funder and institutional policies for open access monographs and books within the open science culture in the European Research Area and facilitate their coordination.

### Activities:

- Understanding of bottlenecks in open access to books and monographs.
- Coordination and share of good practices among funders and research institutions,
- Evidence-based recommendations and resources

International  
Cooperation

Funders and  
Research  
Institutions

Menos de 24  
meses

CSA  
2 M€ (1 proy)

HORIZONTE  
**EUROPA**

# HORIZON-WIDERA-2022-ERA-01-44: Developing and piloting training on the practice of open and responsible research and innovation

## Objectives:

- To improved skills on open and responsible research and innovation

## Expected Outcome:

- Consolidated evidence base on open and responsible research and innovation training for researchers at all stages of their careers across the European Research Area.
- Development and piloting of high-quality training to a significant number of researchers on diverse aspects of open and responsible research and innovation.
- Establishment of a platform for further development of training, mutual learning, and dissemination of recommendations to authorities and institutions responsible for researcher training.

## Activities:

- Consolidating existing evidence on researcher training on open and responsible research and innovation, and identifying gaps.
- Developing training modules, courses and other kinds of interventions
- Sustainable platform (knowledge exchange, guidance, training,...)

**International  
Cooperation**

**European Charter and Code and the EU  
Principles for Innovative Doctoral Training**

**On-going actions, quadruple helix,  
science outreach stakeholders**

**Gender dimension**

**All backgrounds (age,  
ethnicity, geography,  
gender, etc)**

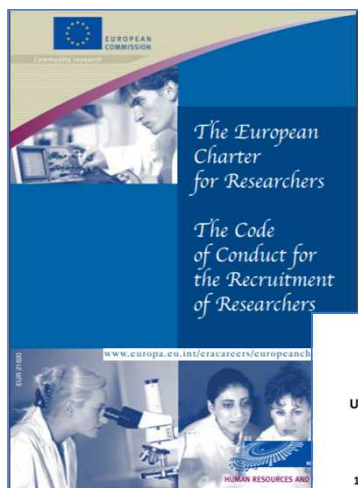
**CSA**

**3,5 M€ (1 proy)**

**HORIZONTE  
EUROPA**

## HORIZON-WIDERA- 2022-ERA-01-44:

### European Charter and Code and the EU Principles for Innovative Doctoral Training



[Link](#)

#### Report of the ERA Steering Group Human Resources and Mobility (ERA SGHRM)

#### Using the Principles for Innovative Doctoral Training as a Tool for Guiding Reforms of Doctoral Education in Europe

##### 1. Introduction

Research excellence, attractive institutional environment, internal quality assurance, exposure to industry and other relevant employment sectors, interdisciplinary research options, international networking and transferable skills have been defined as the seven "Principles of Innovative Doctoral Training" (IDTP).<sup>1</sup> They have been originally formulated as part of a Mapping Exercise on Doctoral Training in Europe in 2011 by the ERA Steering Group Human Resources and Mobility (ERA SGHRM). The IDTP have then been approved by the EU-Council for Education.<sup>2</sup>

[Link](#)

## H2020 SWAFS

Proyecto	Título	Presupuesto (€)	Fechas	Coordinador	País Coordinador	Socios	Nº de entidades participantes	Web CE	Web Proyecto
Swafs-08-1019-2020. Research innovation needs & skills training in PhD programmes									
CHAMELEONS	Championing A Multi-Sectoral Education and Learning Experience to Open New Pathways for Doctoral Students	1,00M	01/02/2020 28/02/2022	UNIVERSITY COLLEGE DUBLIN	IE	UE: IE(3), ES(2), GR(1), FI(1), PT(2)	9	<a href="https://cordis.europa.eu/project/rcn/225975/factsheet/en">https://cordis.europa.eu/project/rcn/225975/factsheet/en</a>	
DocEnhance	Enhancing skills intelligence and integration into existing PhD programmes by providing transferable skills training through an open online platform	1,00M	<a href="#">01/01/2020</a> <a href="#">31/12/2022</a>	UNIVERSITET I TROMSØ - NORGES ARKTISKE UNIVERSITET	NO	UE: BE, CZ, FI, FR(2), DE, GR, LU, NO, PT, NL, ES(2), CH(2), SK, SE TC: GH	19	<a href="https://cordis.europa.eu/project/id/872483">https://cordis.europa.eu/project/id/872483</a>	

SEAC-2-2014 Responsible Research and Innovation in Higher Education Curricula									
EnRRICH	Enhancing Responsible Research and Innovation through Curricula in Higher Education (EnRRICH)	1.5M	01-07-2015 31-03-2018 Ended	VRUE UNIVERSITEIT BRUSSEL	BE	EU: UK, IE(2), IT, DE (2), HU, NL, ES, FR, LT	12	<a href="http://cordis.europa.eu/project/reference/665759">http://cordis.europa.eu/project/reference/665759</a>	<a href="https://www.livingknowledge.org/projects/enrrich/">https://www.livingknowledge.org/projects/enrrich/</a>
HEIRRI	HEIRRI (Higher Education Institutions and Responsible Research and Innovation)	1.5M	01-09-2015 31-08-2018 Ended	UNIVERSIDAD POMPEU FABRA	ES	EU: ES(3), DK, AT, HR, BE AC: NO	12	<a href="http://cordis.europa.eu/project/reference/666004">http://cordis.europa.eu/project/reference/666004</a>	<a href="http://heirri.eu/">http://heirri.eu/</a>



HORIZONTE  
**EUROPA**

# Programa de trabajo 2021: TOPICS



## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender

## Institución educación superior e investigadores

TOPIC	TITLE
HORIZON-WIDERA-2022-ERA-01-50:	Developing an effective ERA talent pipeline
HORIZON-WIDERA-2022-ERA-01-51:	Acceleration Services in support of the institutional transformation of Higher Education Institutions

## HORIZON-WIDERA-2022-ERA-01-50: Developing an effective ERA talent pipeline

### Rationale:

- The European Research and Innovation system needs to optimise its support for the constant flow-through of highly skilled talents to match the demand of society and the economy.

### Objectives:

- To improve flow-through of talent within academia and to and from the non-academic sector or to other highly needed positions in academia.

### Expected Outcome:

- Creation of a common academic researchers' career structure.
- Enabling widespread recognition of the ESCO qualifications profile.
- Mainstreaming of tenure track like systems, as an attempt to improve career development and solve part of the precarity of research careers in academia.
- Mainstreaming practices for higher education institutions to involve non-academic sector.
- Mainstreaming value creation and intersectoral mobility schemes within higher education institutions to promote jobs and growth.

**Attention should be paid to addressing gender equality related issues throughout the different strands of the proposed framework.**

**The action should be no longer than 2 years.**

**CSA**  
**3 M€ (2 proy)**

HORIZONTE  
**EUROPA**

## HORIZON-WIDERA-2022-ERA-01-51: Acceleration Services in support of the institutional transformation of Higher Education Institutions

### Rationale:

- The Higher Education Transformation Agenda developed under the previous Work Programme is expected to include the most important priorities and challenges for HEIs regarding institutional transformations towards the future.

### Objectives:

- The overall aim of the Higher Education Institutions acceleration services is to help institutions to successfully implement a strategy and roadmap for transformation, by creating a shared knowledge base, coaching service and virtual meeting place for them to connect with peers and other ecosystem actors, as well as with investors and public funders.

### Expected Outcome:

- A methodology towards acceleration services.
- A coaching service with best practice examples and guidance for individual HEIs as well as networks of HEIs.
- Tested acceleration services.
- An investment strategy mechanism.
- Progress of the user groups of the acceleration services regarding the implementation of the chosen areas of the transformation agenda, measured through a monitoring mechanism.
- Policy feedback to the European Commission and Member States on the acceleration services, and widespread dissemination of the pilot results to other target groups.

**The duration of the action should  
not exceed 5 years.**

**CSA  
10,50 M€ (2 proy)**



# Programa de trabajo 2021: TOPICS



## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender

## Comunicación científica

TOPIC	TITLE
HORIZON-WIDERA-2022-ERA-01-60:	A European competence centre for science communication

## HORIZON-WIDERA-2022-ERA-01-60: A European competence centre for science communication

### Rationale:

Science and science communication have been undergoing radical changes over recent years, creating opportunities that may, in turn, pose new challenges.

### Expected Outcome:

- Consolidation of knowledge and development of guidelines, tools, innovative strategies, and recommendations to improve science communication for all research and innovation actors;
- Establishment of a **European competence centre for science communication**, sustained beyond the lifetime of funding;
- Increased networking and mutual learning, higher quality, more trustworthy, and more rapidly mobilised science communication by national authorities, businesses, civil society organisations, other stakeholders and projects.

### Activities:

- Consolidating the evidence base on science communication from on-going and past projects and initiatives (all areas; contextual issues;..)
- Establishing a centre of knowledge, expertisem advice resources, and tools on science communication

**Recommendations**

**Handbook for effective Science  
Communication**

**Support potential user groups**

**Co-creation  
(stakeholders)**

**Minimum 4 years**

**Sustainability  
(business plan)**

**H2020 and other  
projects**

**CSA  
3 M€ (1 proy)**

HORIZONTE  
**EUROPA**

## HORIZON-WIDERA- 2022-ERA-01-60



[Link](#)

## SWAFS\_Communication

Proyecto	Título	Presupuesto (€)	Fechas	Coordinador	País Coordinador	Socios	Nº de entidades participantes	Web CE	Web Proyecto
<b>Swafs-19-2018-2019-2020: Taking stock and re-examining the role of science communication</b>									
CONCISE	Communication role on perception and beliefs of EU Citizens about Science	1,2M	01-12-2018 30-11-2020 Running	UNIVERSITAT DE VALENCIA	ES	EU: ES(3),IT, PL(2),PT,SK	9	<a href="https://cordis.europa.eu/project/id/824537">https://cordis.europa.eu/project/id/824537</a>	<a href="https://concise-h2020.eu/">https://concise-h2020.eu/</a>
RETHINK	RETHINK	1,2M	01-01-2019 31-12-2021 Running	STICHTING VU	NL	EU: BE,DE,DK,IT, UK	6	<a href="https://cordis.europa.eu/project/id/824573">https://cordis.europa.eu/project/id/824573</a>	<a href="https://www.rethinkscicomm.eu/">https://www.rethinkscicomm.eu/</a>
QUEST	QUality and Effectiveness in Science and Technology communication	1,2M	01-02-2019 31-01-2021 Running	VENICE INTERNATIONAL UNIVERSITY	IT	EU: EE, FR,IE, IT(2),UK AC:NO	8	<a href="https://cordis.europa.eu/project/id/824634">https://cordis.europa.eu/project/id/824634</a>	<a href="https://questproject.eu/">https://questproject.eu/</a>
ParCos	Participatory Communication of Science	1,4M	01-01-2020 31-12-2022 Running	LAPPEENRANTA N-LAHDEN TEKNILLINEN YLIOPISTO LUT	FI	EU: BE(2),UK	4	<a href="https://cordis.europa.eu/project/id/872500">https://cordis.europa.eu/project/id/872500</a>	<a href="https://parcos-project.eu/">https://parcos-project.eu/</a>
TRESCA	Trustworthy, Reliable and Engaging Scientific Communication Approaches	1,2M	01-01-2020 30-04-2022 Running	ERASMUS UNIVERSITEIT ROTTERDAM	NL	EU: AT,DE, ES,IT,UK	6	<a href="https://cordis.europa.eu/project/id/872855">https://cordis.europa.eu/project/id/872855</a>	
NEWSERA	Citizen Science as the new paradigm for Science Communication	1,3M	01-01-2020 31-12-2022 Running	SCIENCE FOR CHANGE, SL	ES	EU:ES(2),IT(2), PT	6	<a href="https://cordis.europa.eu/project/id/873125">https://cordis.europa.eu/project/id/873125</a>	

HORIZONTE  
**EUROPA**

# Programa de trabajo 2021: TOPICS



## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender

## Educación científica

TOPIC	TITLE
HORIZON-WIDERA-2022-ERA-01-70:	Open schooling for science education and a learning continuum for all

## HORIZON-WIDERA-2022-ERA-01-70: Open schooling for science education and a learning continuum for all

### Rationale

Europe faces a shortfall in science-knowledgeable people at all levels of society at a time when it needs ever more scientists and a science literate society.

### Objective:

The creation of new partnerships in local communities to foster improved science education for all citizens and to contribute to a learning continuum for all..

### Expected Outcome:

- New partnerships in local communities amongst teachers, researchers and professionals across different enterprises;
- Engage learners in meaningful real-life problem-solving situations (education, the workplace or other)
- Encourage science studies and science careers
- Increase female participation in science studies and science careers and deconstruct gender stereotypes;
- Foster, share and apply science and innovation research to different genres of enterprises
- Encourage mentoring to take full advantage of science, technology, research and innovation;
- Encourage industry-funded innovation to become part of lifelong learning programmes

**Formal, non formal and informal  
science education**

**Links to  
Scientix**

**Previous projects  
(also SWAFS-26-  
2020)**

**CSA  
5,5 M€ (2-3proy)**

HORIZONTE  
**EUROPA**

# Definiciones de la Comisión Europea

## Definitions on formal, non-formal and informal learning and Open Schooling...

**Formal learning** – learning that occurs in an organised and structured environment (e.g. in an education or training institution or on the job) and is explicitly designated as learning (in terms of objectives, time or resources). Formal learning is intentional from the learner's point of view. It typically leads to validation and certification.

**Non-formal learning** – learning which is embedded in planned activities not always explicitly designated as learning (in terms of learning objectives, learning time or learning support), but which contains an important learning element. Non-formal learning is intentional from the learner's point of view. It can take place in museums, science camps/ clubs etc.

**Informal learning** – learning resulting from daily activities related to work, family or leisure. It is not organised or structured in terms of objectives, time or learning support. Informal learning is mostly unintentional from the learner's perspective.

**Open Schooling** – institutions that promote partnerships with families and the local community, with a view to engaging them in the teaching and learning processes but also to promote education as part of local community development.

## HORIZON-WIDERA-2022- ERA-01-70



### SWAFS\_Science Communication

Proyecto	Titulo	Coordinador	Nº partners
Swafs-15-2016_ Open Schooling in collaboration on science education			
OSOS	Open School for Open Societies	Grecia	19
Swafs-01-2018-2019 Open Schooling and collaboration on science education			
PULCHRA	Science in the City: Building Participatory Urban Learning Community Hubs through Research and Activation	Grecia	11
PHERECLOS	Partnerships for pathways to Higher Education and science engagement in Regional Clusters of Open Schooling	Austria	16
SEAS	Science education for action and engagement towards sustainability	Noruega	12
OSHub	Open Science Hub Network: Empowering Citizens through STEAM Education with Open Schooling	Países Bajos	9

### SWAFS\_26\_2020, Innovators for the future: bridging the gender gap

TITLE ↕	ACRONYM ↕	PROJECT ID ↕
Europe's Regional Partnership for Gender Equality in the Digital Age	EQUALS-EU	101006396
Opportunity Ecosystems Bridging the Gender Gap	shemakes.eu	101006203

# Programa de trabajo 2021: TOPICS



## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender

## Igualdad de género

TOPIC	TITLE
HORIZON-WIDERA-2022-ERA-01-80:	Living Lab for gender-responsive innovation
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

### **Rationale**

Women remain disproportionately under-represented among innovators and start-up entrepreneurs and hold less than 10% of patent applications

### **Objective:**

Investigate and generate new and disruptive ideas to promote women innovators and develop gender-responsive innovation

### **Expected Outcome:**

- Advancement of knowledge and practice on gender-responsive innovation in Europe
- Strengthening of the innovation and inclusiveness dimensions of the European Research

### **Activities:**

- Establish a sustainable learning and collaboration hub between various innovation ecosystem actors
- Develop real-life action research (include stakeholders)
- New methods and solutions for the development of gender-responsive innovation in Europe.

**Intersectional  
approach**

**Information  
Technology and AI  
related fields**

**EC Priorities (Green  
Deal or  
preparedness future  
pandemics)**

**RIA  
3 M€ (1 proy)**

HORIZONTE  
**EUROPA**

HORIZON-WIDERA-2022-  
ERA-01-80

Build on previous projects, GENDERACTION, H2020 Expert Group or  
SWAFS-26-2020 project; EIC or EIT



[Link](#)



[Link](#)

TITLE ↕	SWAFS-26_2020	ACRONYM ^	PROJECT ID ↕
Europe's Regional Partnership for Gender Equality in the Digital Age		EQUALS-EU	101006396
Opportunity Ecosystems Bridging the Gender Gap		shemakes.eu	101006203



[Link](#)



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

## Rationale

Heterogeneity in the implementation of Gender Equality Plans (GEP) across the EU, and persisting structural barriers

## Objective:

Strengthen/go beyond the minimum requirements for a GEP as in HEurope eligibility criteria. Support the implementation of inclusive GEPs

## Expected Outcome:

- Enhance the reputation, attractiveness, inclusiveness and research excellence of less advanced institutions as a result of implementing inclusive gender equality plans.
- Transform institutions to advance inclusive gender equality within the European Research Area (ERA).

## Activities:

- Methods for exchanging and implementing good practices and materials, tailored to individual organisations' needs
- Support for reinforcing their networking (especially with already existing Communities of Practice)
- On-site visits, on-site or virtual training; workshops; dissemination and outreach and capacity building activities.
- Implementation of specific actions in the **less advanced institutions** specifically addressing the opening to **intersectionality and diversity**, including in the integration of intersectional sex and gender analysis into R&I content.

**Twinning exercise (specific thematic area or Widening countries)**

**At least one leading University of RPO and at least 3 widening countries or associated countries**

**CSA**  
**3 M€ (de 3 a 6 proy)**

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**EUROPA**

## ¿Qué tiene que incluir ya la propuesta?:

- ### Gender Equality in Academia and Research - GEAR tool

### Why change must be structure



Link

## H2020



Link

[illegible]

# Programa de trabajo 2021: TOPICS



## 4. Deepening the ERA

- Empowering universities
- Academic freedom
- Strengthening R&I talents
- Open Science
- Science education and communication
- Ethics and integrity
- Gender

## Ética e Integridad

TOPIC	TITLE
HORIZON-WIDERA-2022-ERA-01-91:	The empirical and behavioural approach to research ethics and integrity

# HORIZON-WIDERA-2022-ERA-01-91: The empirical and behavioural approach to research ethics and integrity

## Objective:

- Enhancing promotion of ethics and research integrity principles through shared responsibility (individual and institutional), improved education and training processes and qualified mentoring and support.

## Expected Outcome:

- Research on the behavioral and organizational factors that may facilitate researchers engaging in questionable practices and misconduct.
- Develop a casuistry-based methodology to address research misconduct.
- Conduct a public consultation process with all involved stakeholders (including young students and early career researchers)
- Develop: identification of current needs in improving research culture, course material, guidelines, methodologies for measuring the impacts of ethics and integrity trainings, a best practice manual

**International  
Cooperation**

**Mental Health and  
wellbeing of  
researchers**

**Work conditions,  
including bullying ,  
sexual harassment  
and gender-based  
violence**

**Outputs in e-  
platform  
Embassy of  
Good Science**

**Previous EU  
projects**

**Cooperation  
Embassy of  
Good Science  
and ENRIO**

**CSA  
3 M€ (1 proy)**

**HORIZONTE  
EUROPA**

## Work Programme 2021: Submitted proposals

	Topic	Budget (EUR Million)	Expected funds to be funded	Submitted proposals
ERA-01-09	Support for policy makers	10.5	4	1
ERA-01-20	Towards a Europe-wide training and networking scheme for research managers	3	2	5
ERA-01-30	Implementation of a new macro-economic modelling concept	1	1	1
ERA-01-32	Standardisation Booster for fostering exploitation of FP-funded research results	2	1	2
ERA-01-33	R&I intensive IP management: Scenarios for the future	1	1	1
ERA-01-40	Modelling and quantifying the impacts of open science practice Specific	2	1	1
ERA-01-41	Global cooperation on FAIR data policy and practice	2	2	1
ERA-01-43	Capacity-building for institutional open access publishing across Europe	3	1	1
ERA-01-44	Societal trust in science, research and innovation	2	1	8
ERA-01-45	Assessment of research and researchers to reward the practice of open science	2	1	4
ERA-01-50	Higher Education & research organisations against conventional and non-conventional threats	2	2	0
ERA-01-60	A capacity-building and brokering network to make citizen science	4	1	2
ERA-01-61	Supporting and giving recognition to citizen science	5	1	4
ERA-01-70	Developing a STE(A)M roadmap for Science Education in Horizon Europe	5	3	4
ERA-01-80	Centre of excellence on inclusive gender equality in R&I	5	1	4
ERA-01-81	ERA gender equality and inclusiveness objectives within Member States	3	1	1
ERA-01-90	Research ethics and integrity in response to crisis	4.5	1	3
ERA-01-91	Research Ethics expertise in the context of new/emerging technologies	4.5	1	1
		61.5	26	44



## Otras oportunidades RRI

- Horizonte Europa se basa en las lecciones aprendidas de RRI en Horizonte 2020. Las referencias en el Reglamento y el Programa Específico muestran que la RRI se ha convertido en una **práctica del proceso de R+I** en lugar de integrarse como un tema transversal a través del programa.

### Textos legales de Horizonte Europa

- **Reg. - Recital (26):** *...the Programme should engage and involve citizens and civil society organisations in co-designing and co-creating responsible research and innovation (RRI) agendas and contents that meet citizens' and civil society's concerns, needs and expectations...*
- **Reg. - Programme principle (A6a.8):** *The programme shall promote co-creation and co-design through engagement of citizens and civil society*
- **SP - Operational objectives (A2.2):** *(c) promoting responsible research and innovation, taking into account the precautionary principle; (n) Improving the relationship and interaction between science and society, including the visibility of science in society and science communication, and promoting the involvement of citizens and end-users in co-design and co-creation processes*
- Open Science, which includes citizen and societal engagement, will be **operationalised** throughout the programme: **award criteria** for proposal evaluation, **key impact pathways**, and within **topic texts**



## Otras oportunidades RRI

- Oportunidades de financiación en RRI (ciencia ciudadana, comunicación, educación científica, etc en todo el programa Horizonte Europa.



Previsión: Se actualizará para la convocatòria 2022.  
[Link](#)

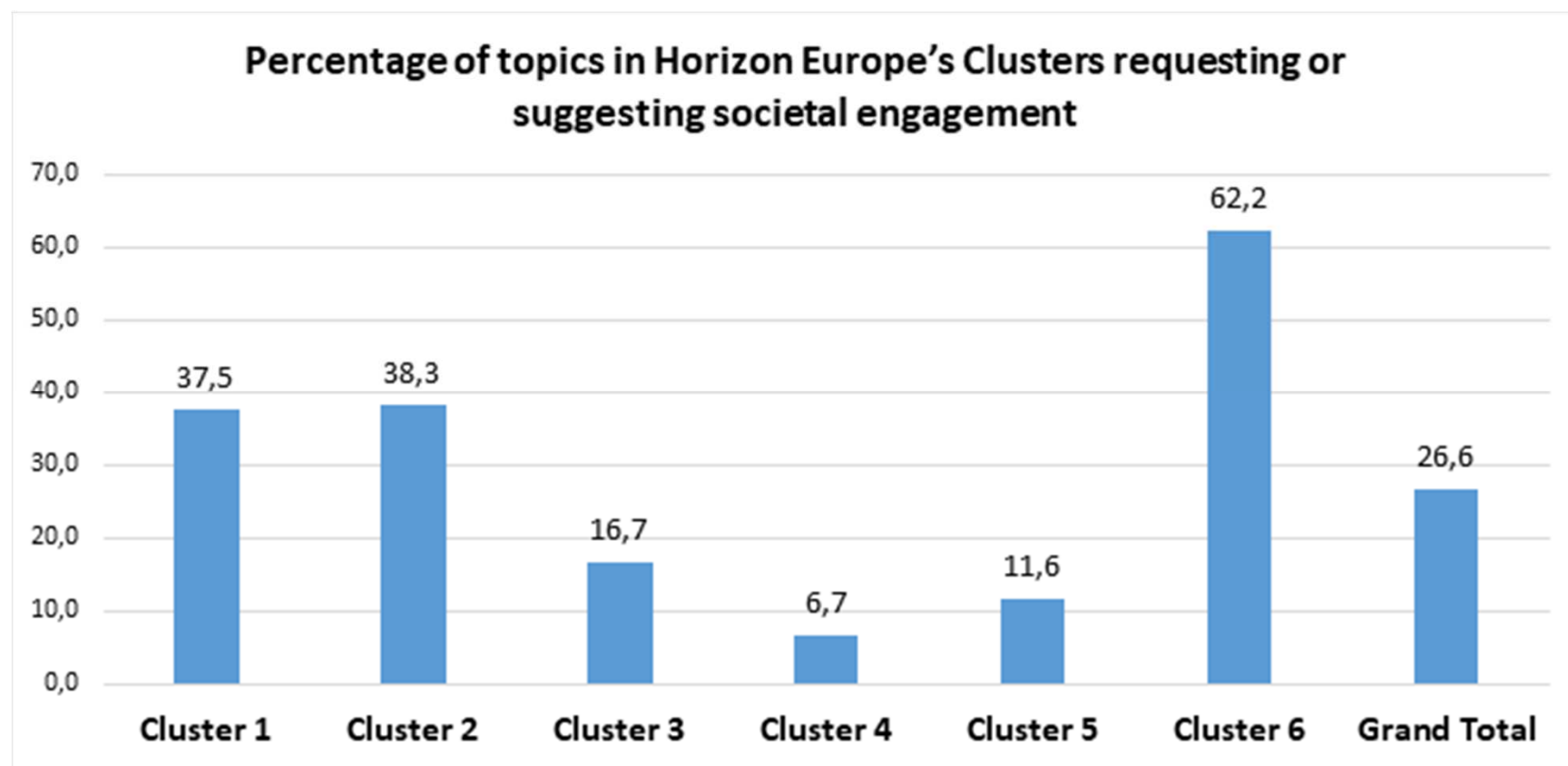
	Responsible Research and Innovation...	
	In the WP	of which, in topics
H2020 - WP2014-2015	10	4
H2020 - WP2016-2017	36	9
H2020 - WP2018-2020	42	22
HE - WP2021-2022 (excl. ERA)	24	11
HE - WP2021-2022 (incl. ERA)	47	17

Source: EC

Notes:

- Keyword search of WPs for the full term and abbreviation.
- No differentiation of where the keywords placed, etc.
- "RRI topics" includes competitive calls as well as Other Actions.

## Participación de la Sociedad en los Programas de trabajo 2021-2022



# R&I Missions

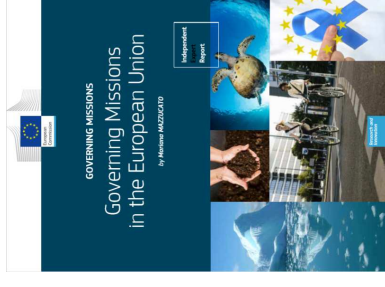
## R&I Missions

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

A mission is a portfolio of actions intended to achieve **a bold and inspirational as well as measurable goal** within a set timeframe, with impact for science and technology, society and citizens that goes beyond individual actions

Horizon Europe proposal defines mission characteristics and elements of governance

Specific missions will be **co-designed with Member States, stakeholders and citizens** and programmed within the Global Challenges and Industrial Competitiveness pillar (drawing on inputs from other pillars)



Adaptation to climate change, including societal transformation



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- **Conquering Cancer: Mission Possible**

Targets by 2030: more than 3 million more lives saved, living longer and better, achieve a thorough understanding of cancer, prevent what is preventable, optimise diagnosis and treatment, support the quality of life of all people exposed to cancer, and ensure equitable access to the above across Europe.

- **A Climate Resilient Europe - Prepare Europe for climate disruptions and accelerate the transformation to a climate resilient and just Europe by 2030**

Targets by 2030: prepare Europe to deal with climate disruptions, accelerate the transition to a healthy and prosperous future within safe planetary boundaries and scale up solutions for resilience that will trigger transformations in society.

- **Mission Starfish 2030: Restore our Ocean and Waters**

Targets by 2030: cleaning marine and fresh waters, restoring degraded ecosystems and habitats, decarbonising the blue economy in order to sustainably harness the essential goods and services they provide.

- **100 Climate-Neutral Cities by 2030 - by and for the citizens**

Targets by 2030: support, promote and showcase 100 European cities in their systemic transformation towards climate neutrality by 2030 and turn these cities into innovation hubs for all cities, benefiting quality of life and sustainability in Europe.

- **Caring for Soil is Caring for Life**

Targets by 2030: at least 75% of all soils in the EU are healthy for food, people, nature and climate. The proposed mission combines research and innovation, education and training, investments and the demonstration of good practices using “Living labs” (experiments and innovation in a laboratory on the ground) and “Lighthouses” (places to showcase good practices).

Healthy  
oceans,  
seas,  
coastal  
and inland  
waters



HORIZON-MISS-2021-OCEAN-05-02: The relation of young generations with the sea and water: values, expectations, and engagement.....	114
HORIZON-MISS-2021-OCEAN-05-03: Piloting citizen science in marine and freshwater domains .....	115

Adaptation to climate  
change, including societal  
transformation



HORIZON-MISS-2021-CLIMA-02-05: Local engagement of citizens in the co-creation of societal transformational change for climate resilience .....	38
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Soil health  
and food

HORIZON-MISS-2021-SOIL-02-06: Engage with and activate municipalities and regions to protect and restore soil health.....	192
HORIZON-MISS-2021-SOIL-02-07: National engagement sessions and support to the establishment of soil health living labs .....	196

[Link](#)

# Recursos y más información


# SiS.net Red de NCPs - Proyecto SiS.net



Network of National Contact Points for  
Science with and for Society in Horizon 2020

[f](#) [in](#) [t](#) [v](#) [Q](#)

AboutNational Contact PointsSiS.net projectSwafS CommunityResponsible Research & InnovationICPC



**Looking for project partners?**  
Brokerage Event for Science with and for Society, 3 March 2016 in Brussels

☐ ☐

**RESPONSIBLE RESEARCH & INNOVATION - KEY AREAS:**

Ethics

Gender

Open Science

Public Engagement

Science Education

Science Governance

Science with and for Society Funding

Brokerage Events

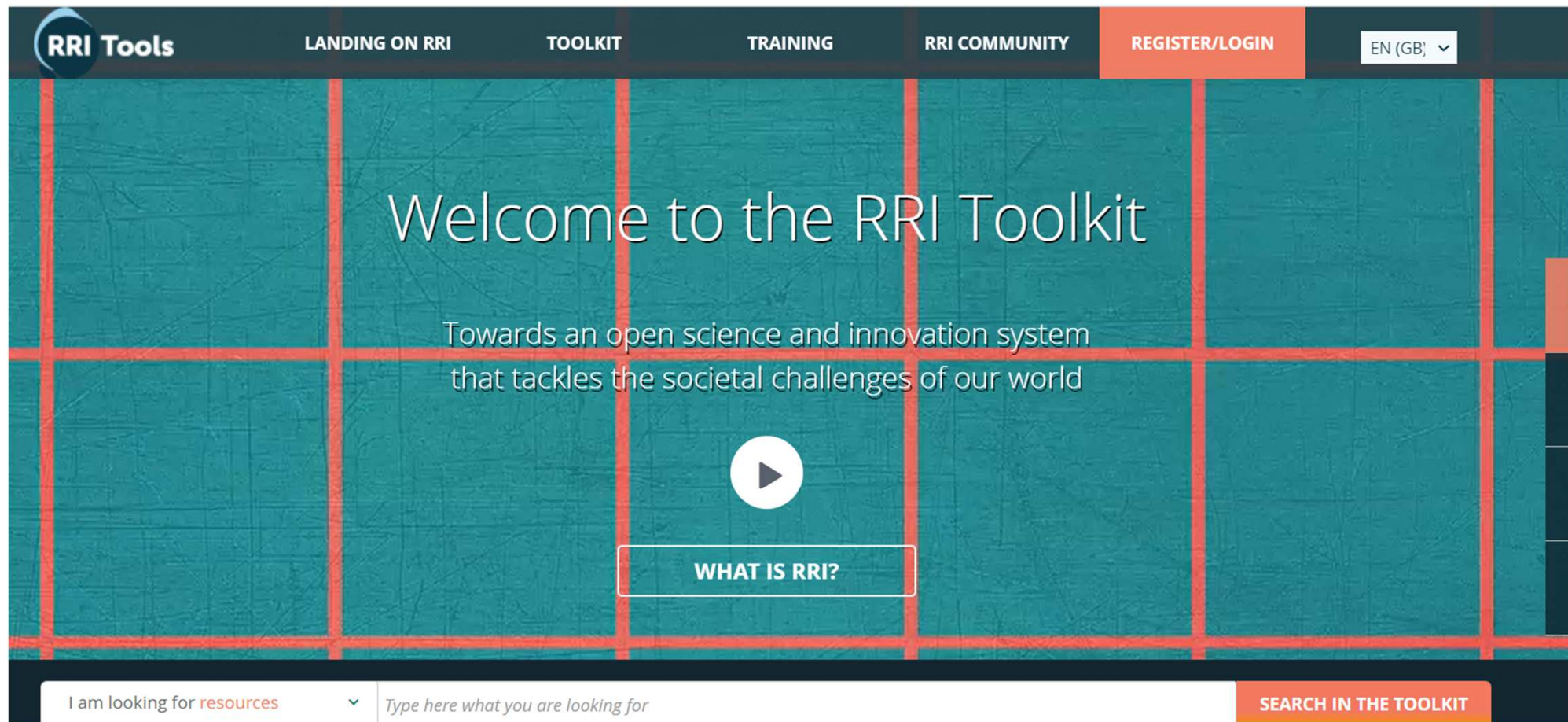
Partner Search

Success Stories

**SIS.net<sup>2</sup>:** <http://www.sisnetwork.eu/>

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**EUROPA**





<https://rri-tools.eu/>

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**EUROPA**



# SIS.net Policy Brief

Science with and for Society



## Open Access Policies of the European Commission: Towards open science

### SUMMARY

This briefing paper aims to acquaint NCPs with the Open Access requirements of FP7 and Horizon 2020. To do so, the brief provides a concise overview of open access: definition, benefits, policies and practices, the EU framework (key European initiatives, Horizon 2020), along with useful resources for NCPs and researchers. In short, Horizon 2020 mandates open access for all peer-reviewed publications through repositories, and mandates open access to research data produced by projects in nine different areas of the new working programmes in 2016-2017 through the Open Access to Research Data Pilot programme.

### What's in it for me? I am.....

**A researcher:** Horizon 2020 requires open access and therefore there is specific information that you should know ahead of time, in order to comply. Beyond this, it is very good for your own research, as shown below.

**A National Contact Point:** Researchers must comply to specific requirements with regard to Open Access in Horizon 2020, and you should be able to direct them.

**University administration:** Learn about the benefits of open access and the current developments. In all likelihood your researchers will need to comply with Horizon 2020 requirements and you should facilitate this process.

**A national funder:** The European Commission recommended that Member States develop national open access policies and infrastructures for access to publicly funded research. The context provided below gives you the background.

## What is Open Access?

Open access is the practice of providing online access to scientific information (articles, monographs, research data) that is free of charge to the reader, and licensed so that it can be reused and exploited by researchers, the industry, and citizens.

SiS.net is the international network of National Contact Points (NCPs) for Science with and for Society (SwaFS) funded by the EU Framework Programme for Research and Innovation Horizon 2020  
www.sisnetwork.eu. Contact: xxxxx

Science with and for Society



## Science education policies in the European Commission: towards responsible citizenship

### General introduction

As the world becomes more inter-connected and competitive, and research and technological know-how expands, new opportunities as well as more complex challenges arise. Overcoming these challenges will require citizens to have a better understanding of science and technology if they are to actively participate in science-informed decision-making and help to solve the problems confronting us in the twenty-first century. It will involve input from specialists and from stakeholder groups.

At the moment, Europe faces a shortfall in science-knowledgeable people at all levels of society and the economy. Over the last decade there has been an increase in the numbers of students leaving formal education with science qualifications. But, there has not been a parallel rise in the numbers interested in pursuing science related careers.

Science education research, innovation and practices must become more responsive to the needs and ambitions of European society and reflect its values. It should support citizens of all ages and talents in developing positive attitudes to science, and reflect the science that citizens need. Identified solutions must meet the highest ethical standards and help ensure sustainable societies into the future. This is a good time to expand opportunities for science learning, in formal, non-formal and informal settings. It is necessary to help all citizens acquire the necessary knowledge of and about science to participate actively and responsibly successfully throughout their lives.

Society, including learners at different educational levels, should be involved more in collaborative activities while collaboration is a key to success in today's world and the collaboration skills need to be assessed and evaluated. Social skills in broad are a target in itself in the learning process, including science learning. These skills are a prerequisite for other activities planned to improve science learning and ensure sustainability of open science.

The policy brief not only presents the rationale, challenges, objectives and guidelines for a new approach on science education, but offers the descriptions and main information of a broad range of best practice case studies not only from European projects but also international models or concepts.

### 1. Why Science Education?

Building capacities and developing innovative ways of connecting science to society is a priority under Horizon 2020.

Knowledge of and about science are integral to preparing our population to be actively engaged and responsible citizens, creative and innovative, able to work collaboratively, and fully aware of and conversant with the complex challenges facing society. It helps us to explain and understand our world, to guide technological development and innovation, and to forecast and plan for the future.

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Science with and for Society



## Open Science Policies of the European Commission: Research agendas towards issues relevant to citizens

### Summary

Citizen Science (CS) is a concept and term that is emerging in both the policy agendas of the European Commission and the research community of the five strategic orientations of the new Work Programme of "Science with and for Society" (SwaFS) in Horizon 2020. It is increasingly seen as an integral part of both Responsible Research and Innovation (RRI) and Open Science. This policy brief aims to explore researches and all others stakeholders with the Citizen Science.

A universally accepted definition of Citizen Science (see Box 1) is used to describe either a method (allowing traditional research practices to reach larger scales), or a movement (that is the scientific research process by for example restoring in science, re-orienting science toward societal challenges, or democratic governance of science), or a social capacity (enhancing capacity of society and a path to evidence-based decision-making). However, it generally involves scientific work by members of the general public, often in collaboration with professional scientists and scientific institutions.

Under Horizon 2020 the use of the term Citizen Science is in the policy agendas of Responsible Research and Innovation Science. Thus the definition of Citizen Science used in the Work Programme 2015-2020 is a broad one incorporating a range of public engagement in science.

This policy brief provides a short and concise overview of Citizen Science aims and challenges, policy implications and recommendations.

El et al. (2017) Citizen Science Terminology Matters: Exploring Key Terms. Science, Theory and Practice, 2(1), p.1. DOI: <http://dx.doi.org/10.5334/stp.98>



Science with and for Society



## RESEARCH INTEGRITY

### Summary

Research integrity can be understood as a summary of responsibilities for the research community on one hand, and as a reassurance of society's trust in the outcomes of research on the other. Research integrity is a key strategic dimension of the Horizon 2020 Programme "Science with and for Society" and is part of the Responsible Research and Innovation concept. This brief aims to provide a concise definition, explanation and context, along with useful (online) resources on research integrity.

### 1. What is research integrity

There are different terms for this area of ethics in research. In this document we are using the term research integrity, as it is already established in the terminology of competent European authorities. Other terms are used in Europe and indeed around the world, terms such as "integrity on scientific research", "responsible conduct of research", "code of ethics for scientists", "code of practice for research" and "good scientific practice".

**Research integrity is generally understood to mean the performance of research according to the highest standards of professionalism and rigour, in an ethically robust manner.**

The behaviours espoused by ethics and research integrity should ensure the accuracy and truth of the research recorded in publications and elsewhere<sup>1</sup>. Behaving responsibly and keeping the integrity in research implies that researchers report their work honestly, accurately, efficiently and objectively. It also requires them to use honest and verifiable methods in proposing, performing and evaluating research, to report accurate results with respect to rules, to follow commonly accepted professional norms and not allow personal bias to influence scientific findings. Indeed, the credibility of science relies on the quality and reproducibility of results<sup>2</sup>.

<sup>1</sup> <https://www.researchintegrity.eu/what-is-research-integrity>  
<sup>2</sup> <https://www.researchintegrity.eu/what-is-research-integrity>



<http://www.sisnetwork.eu/about/policy-briefs/>

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# Evaluadores en Horizonte Europa

Si no hay oportunidad específica en el Programa de Trabajo...  
presentarse como experto

- [Enlace al registro de participantes](#)
- Adecuar las palabras clave a las convocatorias abiertas

### Work as an expert

The European Union Institutions appoint external experts to assist in the evaluation of grant applications, projects and tenders, and to provide opinions and advice in specific cases.



Being an expert for the European... Visualitza... Comparteix

In particular, experts assist in:

- **Evaluation** of proposals, prize applications and tenders
- **Monitoring** of actions, grant agreements, public procurement contracts

In addition, experts provide opinion and advise on:

- **Preparation, implementation and evaluation of EU programmes and design of policies.**

In order to select experts, the European Union Institutions publish regularly calls for expression of interest (see list below) detailing the selection criteria, the required expertise, the description of the tasks, their duration and the conditions of remuneration.

**Interested? Please join the database of external experts!**



[Register as expert](#)

**As new expert**, you will be first requested to create your EU login account and register your profile.



**Registered experts** can update the profile via the My Expert Area after **login**.

# Portal Horizonte Europa\_España

[Enlace](#)



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MINISTERIO DE CIENCIA E INNOVACIÓN




Ciencia Excelente

Desafíos mundiales

Europa Innovadora

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Más Europa



HORIZONTE  
EUROPA


Programa Marco de Investigación e Innovación de la UE para 2020-2027

Jornada de Presentación de Horizonte Europa

Horizonte Europa: Programa Marco de Investigación e Innovación

¿Qué es?

23 Jun



European Research & Innovation Days

European Research and Innovation Days es el evento anual más importante organizado por la

< JUNIO 2021 >

L	M	M	J	V	S	D
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4

eventos »

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# Apoyo al participante

CIENCIA EXCELENTE

DESAFÍOS MUNDIALES

EUROPA INNOVADORA

WIDENING+ERA

MÁS EUROPA

Ampliar la participación y fortalecer el espacio europeo de investigación (Widening+ERA)



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**EUROPA**

# Preguntas

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Introducción al programa: Reformar y mejorar el sistema europeo de Investigación e Innovación



---

mercibeaucoup  
grazieMille  
Dank  
thanks  
GRACIAS  
gracias  
esker