

1. **Welcome!**
And thank you for joining us!
2. Please keep your **microphone muted** and your **camera off**.
When you are invited to speak, please unmute your micro.
You can activate your video when you have the floor.
3. Please **use the chat function** for **questions or comments**.
4. We will **reply** orally or via the chat box.
5. The **presentation** will be available on the RICH website after the E-seminar.

Andrea Hesse | DLR

Bonn, 30 September 2020


E-Seminar on Horizon Europe for NCPs on Research Infrastructures



The RICH-2 Project (GA no. 854109) is supported by DG Research and Innovation of the European Commission under the Research Infrastructures Programme of the H2020 Framework Programme.

1. Welcome and Introduction
2. Horizon Europe - What's new ?
3. Research Infrastructures in Horizon Europe
4. Where can you get help and/or further information?
5. Short Q&A-session

RICH, the EU Network of National Contact Points (NCPs) for Research Infrastructures in Horizon 2020 supported by the European Commission:

- **Duration:** Phase I: 2014-2019 (RICH),
Phase II: 2019-2020 (RICH-2)
- **EU contribution:** 2.35 M€ in total (2014 -2020)
- **Flexible structure:** 11 beneficiaries & 39 extended NCPs
- **Predecessor:**  (FP7)
- **Sucessor:** ??

MAIN OBJECTIVES

related to **NCPs** for Research Infrastructures (RI):

- Strengthen **capacities** and transnational **cooperation** of NCPs
- Help to **implement** the **RI programme** effectively
- Foster European **policy exchange** on RI

related to **programme applicants** and the **RI community** at large:

- Provide high **quality support and services**
- Increase quality of RI **proposals**

MAIN SERVICES

For **NCPs**

- Performing trainings, triplings, expert seminars
- Fostering synergies with other NCPs networks

For **NCPs** and RI project **applicants**

- Providing Q&A support on national level
- Organising Symposia
- Supporting trans-national and virtual access
(website, webinars, testimonies from users)

1. RICH-2 ...Forthcoming

- Webinar on TA (October)
- Symposium on Research Infrastructures in Horizon Europe (12-13 November)

[Report on the Impact of RIs on European Research by Independent Expert Group \(before end 2020\)](#)

NCP Network in Horizon Europe?



HORIZON EUROPE

**the 9th EU Framework Programme on
Research and Innovation**

(status as of mid September 2020)

„Evolution not Revolution“

Continuity

- 3-Pillar-Structure
- Pillar I: „Excellent Science“ remains almost unchanged
- Very similar rules of participation

Change

- Stronger orientation on Innovation and Competitiveness
- More involvement of the citizens

Find details in [COM presentation on HE in 23 languages](#)

2. Horizon Europe - Structure

Pillar 1

Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures

Pillar 2

Global Challenges and
European Industrial
Competitiveness

Clusters

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

Joint Research Centre

Pillar 3

Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Strategic Plan: 4-year strategic orientation plan for HE research and innovation investments, including Missions and European R&I-Partnerships

Missions: interdisciplinary and ambitious instruments to tackle pressing challenges in society

Renewed Partnership landscape: Simplified, rationalised, impact-oriented and reduced number of R&I Partnerships

Extended opportunities for **international cooperation** from outside Europe, e.g. Canada, New Zealand ("Group d - countries" negotiations not yet finalised).

The Strategic Plan

The **Strategic Plan** «...acts as a **compass** to stay on course with the political priorities of the Commission...»

Priorities: - green and digital twin transition to a climate-neutral EU,
- (pandemic) preparedness, recovery and resilience

Aim: ensure an **effective interface** between EU **policy** priorities and **programme** activities and ultimately, the research and innovation **projects** funded by Horizon Europe.

Co-Designed by EU Member States and ISL, LIE, NOR, the European Parliament, stakeholders and interested citizens as a collective effort.

The **1st Strategic Plan** (duration 2021-2024) for Horizon Europe will be published by the end of 2020.

Missions



Characteristics of the new instruments:

- Co-designed by integrating European citizens
- Bold, inspirational & widely relevant to society
- Ambitious but realistic goals
- Clearly targeted, measurable and time-bound
- Strongly Impact-driven

Common Objectives

- Help citizens to see and understand the value of investments in Research & Innovation
- Mobilise various resources (e.g. foundations)
- Initiate interdisciplinary R&I activities
- Drive systemic changes and transform landscapes

5 proposed Missions to be included in the Strategic Plan (decision by COM scheduled for mid-October 2020):



A Climate Resilient Europe



Conquering Cancer: Mission possible



Mission Starfish 2030 – Restore our oceans and waters



100 Climate-Neutral Cities by 2030



Caring for Soil is Caring for Life

Further Information: https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/missions-horizon-europe_en

European Partnership Initiatives

Renewed partnership landscape:

- **Reduced number** of partnerships (from approx. 120 to 49)
- New overarching **Label**:

European Partnership Initiatives

- **Strategic** Orientation (part of Strategic Plan)
- Related to the thematical Clusters in **Pillar II** (mostly)
- Clearly **impact-driven** and **life-cycle approach**
- Partnerships should **better achieve their objectives** than “normal” framework programme activities.
- **3 types** of different partnerships are foreseen:

3 types of Research & Innovation Partnerships:

1. Co-funded European Partnerships

Partners: EU countries, research funders and other public authorities at the core of the consortium. (similar to former ERA-Nets).

2. Co-programmed European Partnerships

Partners: EU Commission and private and/or public partners.

Legal Basis: Memoranda of understanding and/or contractual arrangements (similar to former cPPPs).

3. Institutionalised European Partnerships

Partners: EU Commission and private and/or public partners.

Legal Basis: 3 possible variations

- a. Council Regulation ([Article 187](#), Joint Undertaking) or
- b. Decision by the European Parliament and Council ([Article 185](#)), e.g. former EMPIR
- c. [EIT* Knowledge and Innovation Communities](#) (KICs) of
Partners: higher education institutions, research organisations, companies and other stakeholders.

*) EIT: European Institute of Innovation and Technology

- **49 partnership candidates** of all types have been nominated (complete list see [ERA-Learn website](#): Europ. Partnerships under HE, p.122 ff)
- The **first wave** will start by January 2021/ the Start of HE
- Most partnerships will be **assigned to** the thematically relevant **Clusters in Pillar II**
- Partnership on **European Open Science Cloud** will refer to Pillar I
- **EU contribution** to partnerships may not exceed 50% of the total budget for Pillar II
- All **partnership provisions** in HE are summarized on [ERA-Learn.eu](#)

Research Infrastructures under Horizon Europe

Continuity in Horizon Europe, Pillar I:

*Definition: '**research infrastructures**' mean facilities that provide resources and services for the research communities to conduct research and foster innovation in their fields. This definition includes the associated human resources, and it covers major equipment or sets of instruments; knowledge-related facilities such as collections, archives or scientific data infrastructures; computing systems, communication networks, and any other infrastructure, of a unique nature and open to external users, essential to achieve excellence in research and innovation. Where relevant, they may be used beyond research, for example for education or public services and they may be 'single sited', 'virtual' or 'distributed'*

(Horizon Europe, Regulation Art. 2 (1); Version: PGA, 3 Dec 2018)

Comparison to Horizon 2020

*Definition: **'research infrastructures'** mean facilities, resources and services that are used by the research communities to conduct research and foster innovation in their fields. Where relevant, they may be used beyond research, for example for education or public services. They include major scientific equipment or sets of instruments; knowledge-based resources such as collections, archives or scientific data; e-infrastructures such as data and computing systems and communication networks; and any other infrastructure of a unique nature essential to achieving excellence in research and innovation. Such infrastructures may be 'single-sited', 'virtual' or 'distributed'; (H2020 regulation, Art. 2 (6))*

3. RI under Horizon Europe

Regulation: almost identical definition and position in 1^o pillar of Research Infrastructures under HE

Specific Programme: Gives broad lines for topics for RI

Strategic Plan: strategic orientation of RI for the next 4 years

Work programmes: featuring all calls, including budget, opening dates & deadlines and relevant instruments for a period of 2 years. Work on WP 2021/2022 is still ongoing.

Budget (negotiations still ongoing): probably reduced budget for RI in relation to H2020, although the range of topics is broader than under H2020 (e.g. related to Green Deal).

3. RI under Horizon Europe

Collaborative projects:

Well-known rule: At least 3 partners from 3 different EU-Member States **or** Associated Countries collaborate in EU projects

new rule:

Among the **3 partners at least one** has to come from an **EU-Member State**, exceptions:

- apply for ERC, MSCA, EIC and Co-fund Actions
- can be defined in the Work Programme for justified cases

Most important Instruments for RI projects

RIA – Research & Innovation Action :

- **Collaborative** research
- Acquisition of **new knowledge** and/or testing the feasibility of new solutions
- Funding **100% eligible direct cost**
- Indirect costs: 25% of direct eligible costs
- Proposals **may be limited to 45 pages***

IA – Innovation Action :

- **Collaborative** research
- Immediate goal is the development of improved /**innovative products, processes or services**
- Funding **70% eligible direct cost**, except for non-profit organisations that always receive 100% of the eligible costs
- Indirect costs: 25% of direct eligible costs
- Proposals **may be limited to 45 pages***

CSA – Coordination & Support Action:

- **Individual or collaborative** research
- Measures to **achieve the objectives of the framework programme**, e.g. dissemination, networking, studies.
- Funding **100% eligible direct cost**
- Indirect costs: 25% of direct eligible costs
- Proposals **may be limited to 35 pages ***

*) decision still pending

Activities that can be funded (still subject to negotiations)

1. A well-functioning European RI Landscape

- Design, preparation and integration of new European RI
- policy activities, international cooperation and outreach: e.g. ESFRI Forum, bilateral cooperation with Africa, ICRI, transition to digital/remote RI services

2. European Open Science Cloud (EOSC) Ecosystem

- Development & support of EOSC, e.g. application, services, FAIR & open data, standards, legal entity

Activities that can be funded (still subject to negotiations)

3. RI services to support health research, green and digital transformation, and advance frontier knowledge

- Referring to infectious disease epidemics, cancer and major chronic diseases, agricultural R&I, climate-related risks, circular economy, socio-economic crises
- fundamental science, especially EBRAINS (neuroscience for health, brain inspired technologies)

4. Scientific instrumentation, tools and methods and advanced digital solutions

- Development of next generation of digital solutions
- Digital Twins, Artificial Intelligence

Activities that can be funded (still subject to negotiations)

5. Network connectivity

- provide faster, resilient, agile and secure connectivity services
- enable secured and authorised access to resources within research and scientific institutions

Publication of **Work Programme 21/22** planned for early 2021 featuring all calls (including budget, opening dates & deadlines), introduction, rationale, relevant instruments and approaches

Information on RI Calls will be available in the Commissions Funding and Tenders Portal

Guiding principles for National Contact Persons

- Summarise the NCP-System in relation to the framework programme, Horizon Europe
- Define key principles and minimum standards for their work

NCP Guiding Principles and [Minimum Standards](#) (Version H2020)

- | | |
|--|------------|
| 1) NCP Coordinator | |
| 2) Legal and Financial aspects | |
| 3) European Research Council (ERC) | ← Pillar 1 |
| 4) Marie Skłodowska-Curie Actions (MSCA) | |
| 5) Research Infrastructures | |
| 6) Health* | ← Pillar 2 |
| 7) Culture, creativity and Inclusive Society* | |
| 8) Civil Security for Society* | |
| 9) Digital, Industry and Space* | |
| 10) Climate, Energy and Mobility* | |
| 11) Food, Bioeconomy, Natural Resources, Agriculture and Environment* | |
| 12) Joint Research Centre | |
| 13) The European Innovation Council (EIC) and European Innovation ecosystems | ← Pillar 3 |
| 14) European Institute of Innovation and Technology (EIT) | |
| 15) Widening Participation | ← Area 4 |
| 16) Fission | |
| 17) Fusion | |

*) including related missions and partnerships

Useful Links

RICH Network of RI NCPs: <http://www.rich2020.eu/>

Welcome package

[RICH FAQ](#)

COM Website on RI in general https://ec.europa.eu/info/research-and-innovation/strategy/european-research-infrastructures_en

COM Website on e-infrastructures:

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/e-infrastructures>

[Funding &Tenders-Portal](#)

[Annotated Model Grant Agreement](#)

[Dash board](#)

3. Questions?



**THANK YOU
FOR YOUR ATTENTION!**