

Research Infrastructures in Horizon 2020

WP2018-2020 (2020 topics)

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H2020-INFRAIA-2017-1 IA-SC

Statistics:

- Total retained EU contribution: **63.586.678,01 €**
- Number of BE participants : **10** retained out of **19** proposed (52%)
- EU contribution to BE in retained for funding proposals: **3.404.193,76 €** out of **6.049.226,26 €** proposed (56,27 %)
- No BE coordinator

Domain	Type of Action	Number of proposals evaluated	Number of proposals retained for funding	Success Rate
BMS	RIA	12	4	33,33 %
ENV	RIA	6	3	50,00 %
ICT	RIA	2	1	50,00 %
MAF	RIA	4	2	50,00 %
SSH	RIA	5	2	40,00 %
ENER	RIA	2	1	50,00 %
PHYS	RIA	2	1	50,00 %

Overview 2020: 5 calls - 8 topics

- **INFRAEOSC-03-2020**
- **INFRAEOSC-07-2020**
- **INFRAIA-02-2020 (IA SC)**
- **INFRAIA-03-2020 (IA Pilot)**
- **INFRAEDI-05-2020 (CoE)**
- **INFRAINNOV-03-2020**
- **INFRAINNOV-04-2020**
- **INFRASUPP-02-2020 (HR)**

Call INFRAIA – Integrating and opening RIs of European interest

To open up key national and regional research infrastructures to all European researchers and to ensure their optimal use and joint development:

Emphasis on sustainability, widening, skills, innovation and data management in compliance with the EOSC

1. Integrating activities for Advanced communities (2018, 2019 - 240M€)
2. **INFRAIA-02-2020 - Integrating activities for Starting communities**
(2020 – 115 M€)
3. **INFRAIA-03-2020 - Pilot for a new model of IA (2020 – 45 M€): new ways for opening & integrating at EU level RIs of European interest**

Call INFRAIA – Integrating and opening RIs of European interest

Timeline (IA for Starting communities - Pilot for new ideas of IA- INFRAINNOV)

- Opening submission date: 28/11/2019
- Closing submission date: 17/03/2020
- Proposals evaluation: April – May 2020
- Inform applicants: by 17/08/2020
- Sign retained grants: by 17/11/2020

INFRAIA-02-2020

Integrating Activities for Starting communities

- **Research Infrastructure** Communities never supported for their integration under EU FPs
- **Bottom-up** approach, **One stage call**: *deadline 17 March 2020*
- Indicative budget **115 M€**, up to 5 M€ of EU contrib. per GA (RIA)
- Emphasis on **networking**, standardisation and **common access procedure**, **complementarity** and coherence with the existing European RI landscape; on the contribution to a **catalogue of RI services** and on the adoption of the **European Charter for Access** to RI
- Starting communities should organise the key RIs in their domain
- *All areas of science and technology considered*
- *Proposals should not restrict their services to too narrow research fields and should address the wider scientific communities, even multidisciplinary ones, which can be served by the involved sets of RIs.*

Integrating Activities for Research Infrastructures

- Three **mandatory** components:
 - ✓ Networking;
 - ✓ Trans-national / Virtual Access;
 - ✓ Joint Research Activities for the improvement of RI services.
- proposals should take into due account all relevant **ESFRI RI** to exploit **synergies** and to ensure **coherency** in the EU RI landscape
- max **one proposal per area** is expected to be funded, as IAs aim to coordinate & integrate key RI in given fields avoiding duplicate efforts
- **access** to be provided only to key RI of European interest, **able to attract** significant numbers of TA users. Other national and regional RI can be involved in the other activities of the proposal.
- proposals should address **innovation capacity** (technology transfer, participation of SMEs, instrumentation development), **international dimension**, management of generated data...

INFRAIA-03-2020

Pilot for a new model of Integrating Activities

- To develop new ways for opening RI of European interest and support the integrating provision, at EU level, of their services.
- To harmonise national & European procedures for providing access
- To prepare the ground for supporting networks that bring together national, regional and European funders of research infrastructures for the co-funding of trans-national access of researchers.
- Targeting larger sets of RIs, gathering close advanced communities to develop and implement a programme focussing on **access** provision, **harmonisation** of access procedures in the EU, and **integration**
- **Targeted** approach (3 areas). **One stage call**: deadline **17 March 2020**
- Indicative budget **45 M€**, up to 15 M€ of EU contrib. per GA (RIA)

INFRAIA-03-2020

Pilot for a new model of Integrating Activities

Scope

- Virtual and Trans-national **access provision** to a catalogue of RIs services (installations) *able to **attract trans-national users***. The RIs can be internal or external to the consortium, thus beneficiaries or third parties, the latter usually structured under a national access provision coordinator or a pan-European RIs. Projects are encouraged to extend their catalogues under their lifetime, selecting new installations to be included through amendments.
- Joint activities to facilitate and **integrate** the access procedures, **improve** the services the infrastructures provides, *during the project lifetime*, and further **develop on-line services**, ensuring their connection to the EOSC
- Develop and trial models, mechanisms and practices for the long-term **engagement of funders** in supporting and making **trans-national access sustainable** beyond the EU funding.
 - ❖ *In particular, in line with the EU Charter for Access, RIs offering access, and/or their funding agencies, **should aim at adapting their national calls for access** (if any) to the same excellence based selection procedure used, at European level.*

INFRAIA-03-2020

Pilot for a new model of Integrating Activities

Thematic coverage:

- **Access to RI for research on Atmosphere:** ACTRIS-2 (aerosols, clouds and trace gases), InGOS (non CO2 greenhouses gas observation system), EUROCHAMP-2020 (simulation chambers for investigating atmospheric processes)
- **Access to RI for advanced research in micro-nano technologies for materials:** NFFA-Europe (nano foundries), Qnano (quality in nanomaterials safety testing), EUMINAFab (micro-nano fabrication of functional structures)
- **RI for advanced optical/IR and radio astronomy:** OPTICON (optical infrared network for astronomy), RadioNet (advanced radio astronomy)

Call INFRAINNOV: Demonstrating the role of RIs in the translation of Open Science into Open Innovation

Large initiatives and support measures to foster the innovation potential of research infrastructures:

2. **INFRAINNOV-02-2019 - Network of research infrastructure Industrial Liaison and Contact Officers** (2019 – 1.5 M€)
3. **INFRAINNOV-03-2020 - Co-Innovation platform for research infrastructure technologies** (2020 – 35 M€)
4. **INFRAINNOV-04-2020 - Innovation pilots** (2020 – 30 M€)

INFRAINNOV-04-2020

Innovation pilots

- *Support RI networks developing and implementing a common strategy/roadmap including technological development required for improving their services through partnership with industry;*
- *Support incremental innovation and cooperation with industry and academia in areas such as scientific instrumentation*
- *Advanced Integrated Activities, which have reached a high level of integration and can focus on joint research developments*
- Bottom-up approach, One stage call: deadline 17 March 2020;
- Indicative budget 30 M€, up to 10 M€ of EU contrib. per GA (RIA)



INFRAINNNOV-04-2020

Innovation pilot

Scope:

- *Networking and joint research developments on the basis of strategic roadmap*
- *Early stage involvement of industry as supplier*
- *Cooperation with grant selected under the Co-innovation platform topic (dedicated activities and resources to be foreseen)*
- *Sustainability plan requested*
- **Bottom-up approach, One stage call: deadline 17 March 2020;**
- **Indicative budget 35 M€, up to 35 M€ of EU contrib. per GA (RIA)**

INFRAINNOV-04-2020

Innovation pilots

Thematic coverage:

- **Innovation in light sources:** CALIPSOplus (access to light sources)
- **Innovation in detectors technologies for accelerators:** AIDA-2020 (infrastructures for detectors at accelerators)
- **Innovation in accelerators technologies:** ARIES (accelerator research and innovation)

Thank you for your attention

HORIZON 2020

