



Ενημέρωση για τα ερευνητικά προγράμματα

Συνοπτικός Κατάλογος

15/04/2021

<p>1 Πρόγραμμα: ERASMUS+</p> <p>Τίτλος: Erasmus+ programme: Call for Proposals 2021</p> <p>Κωδικός: EAC/A01/2021</p> <p>Ερευνητικές Περιοχές: Όλες οι Θεματικές Περιοχές</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION DIRECTORATE GENERAL FOR EDUCATION, YOUTH, SPORT AND CULTURE</p> <p>Ημερομηνία Δημοσίευσης: 25/03/2021</p> <p>Υποπροσκλήσεις: Όχι</p>		<p>Προθεσμία Υποβολής</p> <p>11/05/2021</p>
<p>2 Πρόγραμμα: UNION CIVIL PROTECTION MECHANISM</p> <p>Τίτλος: Call for Proposals-Union Civil Protection Mechanism Exercises (UCPM-2021-EX)</p> <p>Κωδικός: UCPM-2021-EX</p> <p>Ερευνητικές Περιοχές: Διοίκηση - Υπηρεσίες, Δημόσια Πολιτική, Ασφάλεια</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION-DIRECTORATE GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY</p> <p>Ημερομηνία Δημοσίευσης: 25/03/2021</p> <p>Υποπροσκλήσεις: Όχι</p>		<p>Προθεσμία Υποβολής</p> <p>08/06/2021</p>
<p>3 Πρόγραμμα: UNION CIVIL PROTECTION MECHANISM</p> <p>Τίτλος: Call for Proposals-Union Civil Protection Knowledge Network : Network Partnership (UCPM-2021-KN)</p> <p>Κωδικός: UCPM-2021-KN</p> <p>Ερευνητικές Περιοχές: Διοίκηση - Υπηρεσίες, Δημόσια Πολιτική, Ασφάλεια</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION-DIRECTORATE GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY</p> <p>Ημερομηνία Δημοσίευσης: 25/03/2021</p> <p>Υποπροσκλήσεις: Όχι</p>		<p>Προθεσμία Υποβολής</p> <p>01/06/2021</p>



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<p>4 Πρόγραμμα: European Innovation Council</p> <p>Τίτλος: H2021 Call for Proposals: EIC Pathfinder Open 2021 (HORIZON-EIC-2021-PATHFINDEROPEN-01)</p> <p>Κωδικός: HORIZON-EIC-2021-PATHFINDEROPEN-01</p> <p>Ερευνητικές Περιοχές: Έρευνα & Ανάπτυξη</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 08/04/2021</p> <p>Υποπροσκλήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>19/05/2021</p>
<p>5 Πρόγραμμα: European Innovation Council</p> <p>Τίτλος: H2021 Call for Proposals: FAIR and open data sharing in support to European preparedness for COVID-19 and other infectious diseases (HORIZON-INFRA-2021-EMERGENCY-01)</p> <p>Κωδικός: HORIZON-INFRA-2021-EMERGENCY-01</p> <p>Ερευνητικές Περιοχές: Υγεία, Έρευνα & Ανάπτυξη</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 09/04/2021</p> <p>Υποπροσκλήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>06/05/2021</p>
<p>6 Πρόγραμμα: Research Infrastructures</p> <p>Τίτλος: H2021 Call for Proposals: Research infrastructure services for rapid research responses to COVID-19 and other infectious disease epidemics (HORIZON-INFRA-2021-EMERGENCY-02)</p> <p>Κωδικός: HORIZON-INFRA-2021-EMERGENCY-02</p> <p>Ερευνητικές Περιοχές: Υγεία, Κατασκευές, Έρευνα & Ανάπτυξη</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 09/04/2021</p> <p>Υποπροσκλήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>06/05/2021</p>



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<p>7 Πρόγραμμα: Health</p> <p>Τίτλος: H2021 Call for Proposals: COVID19 - HERA Incubator (HORIZON-HLTH-2021-CORONA-01)</p> <p>Κωδικός: HORIZON-HLTH-2021-CORONA-01</p> <p>Ερευνητικές Περιοχές: Υγεία</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 31/03/2021</p> <p>Υποπροσκλήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>06/05/2021</p>
<p>8 Πρόγραμμα: European Innovation Council</p> <p>Τίτλος: H2021 Call for Proposals: EU Prize for Women Innovators (HORIZON-EIC-2021-WomenInnovatorsPrize)</p> <p>Κωδικός: HORIZON-EIC-2021-WomenInnovatorsPrize</p> <p>Ερευνητικές Περιοχές: Έρευνα & Ανάπτυξη</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 09/04/2021</p> <p>Υποπροσκλήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>30/06/2021</p>
<p>9 Πρόγραμμα: European Innovation Council</p> <p>Τίτλος: H2021 Call for Proposals: The European Capital of Innovation Awards (iCapital) (HORIZON-EIC-2021-iCapitalPrize)</p> <p>Κωδικός: HORIZON-EIC-2021-iCapitalPrize</p> <p>Ερευνητικές Περιοχές: Τοπική ανάπτυξη, Περιβάλλον, Οικονομία, Κατασκευές, Έρευνα & Ανάπτυξη, Αστικός Σχεδιασμός</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 18/03/2021</p> <p>Υποπροσκλήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>15/07/2021</p>



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<p>10 Πρόγραμμα: European Innovation Council</p> <p>Τίτλος: H2021 Call for Proposals: EIC Accelerator Challenges 2021 (HORIZON-EIC-2021-ACCELERATORCHALLENGES-01)</p> <p>Κωδικός: HORIZON-EIC-2021-ACCELERATORCHALLENGES-01</p> <p>Ερευνητικές Περιοχές: Υγεία, Τεχνολογίες Πληροφορικής & Επικοινωνιών, Περιβάλλον, Οικονομία - Επιχειρήσεις - Βιομηχανία - Τουρισμός, Έρευνα & Ανάπτυξη, Εκπαίδευση - Κατάρτιση</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 08/04/2021</p> <p>Υποπροσκήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>09/06/2021</p>
<p>11 Πρόγραμμα: European Innovation Council</p> <p>Τίτλος: H2021 Call for Proposals: EIC Accelerator Open 2021 (HORIZON-EIC-2021-ACCELERATOROPEN-01)</p> <p>Κωδικός: HORIZON-EIC-2021-ACCELERATOROPEN-01</p> <p>Ερευνητικές Περιοχές: Οικονομία - Επιχειρήσεις - Βιομηχανία - Τουρισμός, Έρευνα & Ανάπτυξη, Εκπαίδευση - Κατάρτιση</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION</p> <p>Ημερομηνία Δημοσίευσης: 04/04/2021</p> <p>Υποπροσκήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>09/06/2021</p>
<p>12 Πρόγραμμα: Information and Communication Technologies</p> <p>Τίτλος: H2020 - Call for Proposals: Training and Education on High Performance Computing (H2020-JTI-EuroHPC-2020-03)</p> <p>Κωδικός: H2020-JTI-EuroHPC-2020-03</p> <p>Ερευνητικές Περιοχές: Τεχνολογίες Πληροφορικής & Επικοινωνιών, Έρευνα & Ανάπτυξη</p> <p>Δικαιούχοι: Νομικά Πρόσωπα</p> <p>Φορέας Κοινοποίησης: EUROPEAN COMMISSION-DIRECTORATE GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY</p> <p>Ημερομηνία Δημοσίευσης: 17/03/2021</p> <p>Υποπροσκήσεις: Όχι</p>	<p>Προθεσμία Υποβολής</p> <p>01/07/2021</p>



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Αναλυτικός Κατάλογος

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1 Πρόγραμμα:	ERASMUS+
Τίτλος:	Erasmus+ programme: Call for Proposals 2021
Κωδικός:	EAC/A01/2021
Ερευνητικές Περιοχές:	Όλες οι Θεματικές Περιοχές
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION DIRECTORATE GENERAL FOR EDUCATION, YOUTH, SPORT AND CULTURE
Ημερομηνία Δημοσίευσης:	25/03/2021

Προθεσμία Υποβολής: 11/05/2021

Περίληψη Πρόσκλησης:

Introduction and Objectives

This call for proposals is subject to:

- the adoption without significant modifications by the legislative authority of the Proposal for a Regulation of the European Parliament and of the Council laying down the legal framework of Erasmus+ and establishing the Erasmus+ programme and repealing Regulation (EU) No 1288/2013,
 - the positive opinion by the Committee established in the basic act on the annual work programme for the implementation of Erasmus+ in 2021,
 - the adoption by the Commission of the 2021 annual work programme, after referral of the committee of the programme,
 - the availability of the appropriations provided for in the draft budget for 2021 after the adoption of the budget for 2021 by the budgetary authority or if the budget is not adopted as provided for in the system of provisional twelfths,
 - the designation of the National Agency by the National Authority and the acceptance by the Commission, and the signature of the Contribution Agreements.
- Therefore, this notification does not legally bind the Commission (the contracting authority). In case at least one of the conditions above is not met, the contracting authority reserves the right to abandon or cancel the present call and to launch others with different content and appropriate deadlines for submission.

Actions

This call for proposals covers the following actions of the Erasmus+ Programme:

Key Action 1 (KA1) – Learning mobility of individuals:

- Mobility of individuals in the fields of education, training and youth
- Youth participation Activities

Key Action 2 (KA2) - Cooperation among organisations and institutions

- Partnerships for Cooperation:
 - Cooperation Partnerships
 - Small-scale Partnerships
- Partnerships for Excellence:
 - Centres for Vocational Excellence



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- Erasmus+ Teacher Academies
- Erasmus Mundus Action
- Partnerships for Innovation:
- Alliances for innovation
- Not-for-profit Sport Events
- Key Action 3 (KA3) - Support to policy development and cooperation
- European youth together
- Jean Monnet actions:
- Jean Monnet in the field of higher education
- Jean Monnet in other fields of education and training

Full details

The detailed conditions of this call for proposals, including priorities, can be found in the 2021 Erasmus+ Programme Guide at the following internet address:

<http://ec.europa.eu/programmes/erasmus-plus/resources/programme-guide>

The Erasmus+ Programme Guide constitutes an integral part of this call for proposals and the conditions for participation and funding expressed therein apply in full to this call.

Περισσότερα:

<https://bit.ly/3dsKcl2>



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2 Πρόγραμμα:	UNION CIVIL PROTECTION MECHANISM
Τίτλος:	Call for Proposals-Union Civil Protection Mechanism Exercises (UCPM-2021-EX)
Κωδικός:	UCPM-2021-EX
Ερευνητικές Περιοχές:	Διοίκηση - Υπηρεσίες, Δημόσια Πολιτική, Ασφάλεια
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION-DIRECTORATE GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY
Ημερομηνία Δημοσίευσης:	25/03/2021

Προθεσμία Υποβολής: 08/06/2021

Περίληψη Πρόσκλησης:

Scope:

This call supports exercise projects aiming to design, plan, prepare, implement, conduct and evaluate different civil protection activities including a full-scale exercise in a multi-national scenario as the main event of the project. The scenario can simulate the situation and conditions of all types of disasters calling for the activation of the Mechanism, including the main theme and cross-cutting issues.

The overall objective of the Mechanism is to strengthen the cooperation among Member States/Participating States in the field of civil protection in order to facilitate coordination to improve the effectiveness of the system for preventing, preparing for, and responding to natural and man-made disasters. Any country in the world overwhelmed by a disaster can call on the Mechanism for help. By pooling the civil protection capabilities of the Member States/Participating States, the Mechanism can ensure better protection primarily of people, but also of the natural and cultural environment and of property.

Full background information about European civil protection activities is available at http://ec.europa.eu/echo/what/civil-protection_en.

Objective:

The overall objective is to improve civil protection preparedness and response to all kinds of disasters inside or outside the Member States/Participating States of the Mechanism by providing a testing environment and a learning opportunity for all actors involved in civil protection assistance interventions: a full-scale exercise.

Themes & priorities:

The scenario for the exercises should build on risk assessments.

Examples, but not exclusively, extreme weather, wildfires, floods, earthquakes, tsunamis, industrial risk, critical infrastructure disruption, marine pollution, epidemic/health risk, CBRN, and multi-sectorial emergencies.

In addition to the main theme, cross-cutting issues such as gender, age, persons with disabilities, human rights, environmental sustainability, green economic practices, digitalisation, resilience in infrastructure, the protection of cultural heritage, etc. are encouraged to be considered and included as relevant.



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Proposals that can be funded:

The beneficiaries will design, plan, prepare, implement, conduct, and evaluate one full-scale exercise project in Member States/Participating States or eligible third countries (see section 6 of the Call for Proposals document).

The proposals shall include the following elements:

Realistic and challenging scenario linked to risk assessments

Management and control structures for the project and for the conduct of the exercises

Activation of the Mechanism

Deployment of an EU Civil Protection Team

Deployment of assets and teams of the European Civil Protection Pool (ECPP)

Use of the Common Emergency Communication and Information System (CECIS)

Information exchange between the affected country(ies), participating states and the ERCC

The involvement of relevant national operational structures

EU Host Nation Support guidelines

EU observers

Evaluation, lessons learned and way forward

EU visibility

Expected impacts:

Civil protection preparedness and response to all kinds of disasters under the framework of the Mechanism is improved.

The response capacity of participating states, in particular with regard to teams and other assets provided in civil protection assistance interventions, is improved.

The civil protection procedures are verified and improved.

A common approach for the coordination of civil protection assistance interventions is established.

The time taken to deploy assets in major disasters is reduced.

Cooperation between civil protection organisations of the participating states, third countries, the Commission, and other relevant actors is enhanced.

Lessons learned are identified, shared, and implemented.

For more information about exercise projects co-financed under previous calls:

http://ec.europa.eu/echo/funding-evaluations/financing-civil-protection/civil-protection-exercises_en

Περισσότερα:

<https://bit.ly/3fKZuEB>



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3 Πρόγραμμα:	UNION CIVIL PROTECTION MECHANISM
Τίτλος:	Call for Proposals-Union Civil Protection Knowledge Network : Network Partnership (UCPM-2021-KN)
Κωδικός:	UCPM-2021-KN
Ερευνητικές Περιοχές:	Διοίκηση - Υπηρεσίες, Δημόσια Πολιτική, Ασφάλεια
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION-DIRECTORATE GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY
Ημερομηνία Δημοσίευσης:	25/03/2021

Προθεσμία Υποβολής: 01/06/2021

Περίληψη Πρόσκλησης:

Scope:

The Union Civil Protection Knowledge Network was established under the revised Union Civil Protection Mechanism (UCPM) legislation (Decision No 1313/2013/EU) as UCPM's key tool for better flow of information, boosted innovation, improved knowledge, enhanced expertise and skills and consolidated scientific evidence through cooperation, exchange, partnership and networking.

The Knowledge Network's vision is to strengthen the effectiveness and the efficiency of the collective civil protection and disaster management efforts in all phases of the disaster cycle of the UCPM. Its mission is to bring together civil protection and disaster management actors and institutions to improve the overall knowledge situation within the UCPM and foster the EU's ability and capacity to deal with disasters.

The 2021 Call for Proposals on Knowledge Network Partnerships aims to directly contribute to the consolidation and operationalisation of the Union Civil Protection Knowledge Network through financing of projects that will directly support the development of key elements of the Knowledge Network's governance structure.

Projects under the Call for Proposals will establish thematic communities/centres of expertise that will generate, promote, test, exchange and disseminate knowledge, skills, expertise, innovation and scientific evidence in support of the Capacity-Development and Science Pillars of the Knowledge Network.

The thematic communities/centres of expertise will be multinational and multidisciplinary specialised groups with organisational environments that strive for developing high standards of conduct in the fields of capacity-development, learning, research and innovation in civil protection and disaster risk management. The thematic communities will bring together individuals (practitioners, researchers and experts) from institutions (national and local civil protection authorities, research centres, policy institutes, centres of excellence etc.) engaged in disaster prevention, preparedness and response.

Thematic communities/centres of expertise will pull together, develop, disseminate



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and exchange state-of-the-art knowledge and expertise; encourage scientific excellence; stimulate technological innovation; gear educational and learning goals; and support policy and decision-making in civil protection and disaster management. To achieve this, thematic communities/centres of expertise will focus on a specific natural or human-induced hazard (earthquakes, forest/wildfires, floods, medical emergencies/pandemics, CBRN threats etc.), cluster of hazards (meteorological, geophysical, hydrological, climatological, technological etc.), or a particular preparedness and response scenario (emergency medical response, search and rescue operations etc.) Focus is placed on common risks and joint priorities identified by the UCPM Member States, Participating States and the EU.

Objectives:

Design, develop and implement multi-disciplinary, risk-based thematic communities/centres of expertise for civil protection and disaster management stakeholders.

Design, develop and implement capacity-development and applied science activities that contribute to building and sharing of knowledge, expertise and skills in civil protection and disaster management.

Expected impact:

Thematic communities/centres of expertise will be established and operate under the Knowledge Network, which will play a central role in providing the space, creating the rules of engagement and allowing stakeholders to own and lead their communities. Thematic communities/centres of expertise will serve both primary and secondary project beneficiaries, they will be integrated into the organisational and operational structure of the Knowledge Network and they will contribute to strengthening the UCPM's decision-making, prevention, preparedness and response activities.

Once established, the thematic communities/centres of expertise should be able to link to each other and form a network of thematic communities/centres of expertise, whereby civil protection and disaster management actors come together and team up to exchange good practices, knowledge and expertise under more complex disaster and risk scenarios. Using scenarios the thematic communities/centres of expertise will generate test and share knowledge at individual, organisational and systemic levels against critical common risks and emerging ones as well as facilitate the transfer of research, evidence-based practices and innovation outcomes into civil protection and disaster management planning and operations. Through the design, development and implementation of capacity-development and science activities, the thematic communities/centres of expertise will be able to convene and leverage a wide, multi-sectoral and multi-disciplinary basis of knowledge and expertise.

In addition, the thematic communities/centres of expertise will enable the engagement and involvement of civil protection and disaster management stakeholders with focus and expertise across various themes and disciplines to encourage the establishment of agile, sustainable and scalable partnerships.

Περισσότερα:

<https://bit.ly/3uOOieD>



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4 Πρόγραμμα:	European Innovation Council
Τίτλος:	H2021 Call for Proposals: EIC Pathfinder Open 2021 (HORIZON-EIC-2021-PATHFINDEROPEN-01)
Κωδικός:	HORIZON-EIC-2021-PATHFINDEROPEN-01
Ερευνητικές Περιοχές:	Έρευνα & Ανάπτυξη
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	08/04/2021

Προθεσμία Υποβολής: **19/05/2021**

Περίληψη Πρόσκλησης:

Scope:

You should apply to this call if you are looking for support from EIC Pathfinder Open to realise an ambitious vision for radically new technology, with potential to create new markets and/or to address global challenges. EIC Pathfinder Open supports early stage development of such future technologies (e.g. various activities at low Technology Readiness Levels 1-4), based on high-risk/high-gain science-towards-technology breakthrough research (including 'deep-tech'). This research must provide the foundations of the technology you are envisioning.

EIC Pathfinder Open may support your work, especially if it is highly risky: you may set out to try things that will not work; you may be faced with questions that nobody knows the answer to yet; you may realise that there are many aspects of the problem that you do not master. On the contrary, if the path you want to follow is incremental by nature or known, EIC Pathfinder Open will not support you.

Before applying you should verify that your proposal meets all the following essential characteristics ('Gatekeepers'):

- Convincing long-term vision of a radically new technology that has the potential to have a transformative positive effect to our economy and society.
- Concrete, novel and ambitious science-towards-technology breakthrough, providing advancement towards the envisioned technology.
- High-risk/high-gain research approach and methodology, with concrete and plausible objectives.

For more details, see the EIC Work Programme 2021.

Περισσότερα: <https://bit.ly/3d59VRu>



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5 Πρόγραμμα:	European Innovation Council
Τίτλος:	H2021 Call for Proposals: FAIR and open data sharing in support to European preparedness for COVID-19 and other infectious diseases (HORIZON-INFRA-2021-EMERGENCY-01)
Κωδικός:	HORIZON-INFRA-2021-EMERGENCY-01
Ερευνητικές Περιοχές:	Υγεία, Έρευνα & Ανάπτυξη
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	09/04/2021

Προθεσμία Υποβολής: 06/05/2021

Περίληψη Πρόσκλησης:

Expected Outcome:

Project results are expected to contribute to all the following expected outcomes:

- European researchers and public health actors fighting the spread of infectious diseases, e.g. COVID-19 and emerging infectious diseases are able to store, share, access, analyse, process and cite research and clinical data and other research digital objects across disciplines and national borders and to collaborate with global partners;
- federation of viral and human infectious disease data from national and international centres enables pan-European and global sharing and combination of research and clinical data, thereby catalysing and accelerating research advances to combat the COVID-19 pandemic and prepare for future outbreaks;
- development of digital tools and data analytics for pandemic and outbreak preparedness, including tracking genomic variations of SARS-CoV-2, linking genomic and clinical data to support timely identification of variants of concern, and subsequent rapid characterisation of such strains to inform public health action;
- linking of FAIR data and metadata on SARS-CoV-2 and COVID-19, on other related viruses and diseases, and on socio-economic consequences, across research fields, from omics, clinical, and epidemiological research, to Social Sciences and Humanities accelerate infectious disease research, surveillance and outbreak investigation;
- contribute to the Horizon Europe European Open Science Cloud (EOSC) Partnership and to the development of the European Health Data Space (EHDS).

Scope:

This action responds to the need to enable researchers, health care professionals and society at large to share, access, analyse, link and process research data and other research digital objects across disciplines and national borders in response to the COVID-19 pandemic. As seen with other infectious disease outbreaks, such as haemorrhagic fevers, COVID-19 will likely remain a societal challenge beyond the immediate outbreak, considering its destructive and disruptive impact on healthcare



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systems and the economy. In addition to the ongoing health threat from SARS-CoV-2, the risk from other emerging pathogens also persists, which will also require similar concerted action to identify and characterise infections with pandemic potential, and enable rapid public health action to mitigate health and societal impact. Provision of comprehensive open data on infectious agents and diseases during outbreaks support evidence-based quality assessment - across scientific, medical, public health and policy domains and promotes reproducibility of research outcomes. Particular importance should be placed on mobilising raw viral sequences and identifying and monitoring the spread of SARS-CoV-2 variants. European readiness for future pandemics is of utmost importance and should be addressed to ensure the preparedness of infrastructure building on already existing frameworks for broader use such as the EOSC.

Proposals should facilitate and accelerate the access to, and the linking of data and metadata on SARS-CoV-2 and COVID-19, including through the European COVID-19 Data Portal[1], the Versatile Emerging infectious disease Observatory[2] (VEO) and other relevant initiatives, with the emphasis on identifying and tracking of new SARS-CoV-2 variants and creating appropriate links with serology and other host data. The scope of the initiative should further expand to other relevant infectious diseases, and incorporate epidemiological, clinical (including Real World Data), and socio-economic data, spanning from molecular biology to other disciplines, including Social Sciences and Humanities. A One-Health approach building on the latest technological advances, covering epidemics and epizootics is encouraged. Particular importance should be given to the need of federating data between national centres to effectively manage data protection.

To ensure the interoperability of the data, community best practices including the use of community-endorsed standards and community metadata schemas should be encouraged. Newly implemented domain specific research data solutions from the project should feed into the work of established international initiatives. Particular attention should be given to the harmonisation and management of meta-data and sample-identifiers to ensure interoperability of national and regional efforts into the EOSC and the long-term cataloguing of data resources within the EOSC.

A strong focus should be placed on exploiting and contributing to EOSC capabilities for data access and federation as well as relevant standards and policies for managing, sharing and reusing research data from different disciplines. As such, the proposals should demonstrate the value of sharing FAIR research data that is as open as possible through EOSC, help consolidating data-sharing and data management practices across the Member States, Associated Countries and beyond, and provide feedback to the EOSC Partnership for the future evolution of EOSC.

Proposals should build on the European COVID-19 Data Platform[1] and support, directly or in combination with financial support to third parties, the creation of national and regional structures to coordinate and promote in-country actions, such as to further enhance genomic surveillance and rapid-response capabilities.

Cooperation with the grant awarded under the Other action "Research infrastructure services for rapid research responses to COVID-19 and other infectious disease



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epidemics” should be developed from the outset to identify and better exploit related synergies, share results, avoid overlaps and ensure that data generated from access to infectious disease services can be available for re-use through the EOSC. To this extent, proposals should provide for dedicated activities and earmark appropriate resources. Proposals should consider already established national and European infrastructures and build on existing efforts, including actions stemming from Cohesion policy programmes. Proposals should seek to establish synergies with the European Health Data Space as well as relevant initiatives under Digital Europe.

To ensure complementarity of outcomes, alignment with EOSC policies, and a synergetic development of different thematic areas within EOSC, proposals are expected to cooperate and align with activities of the EOSC Partnership and to coordinate with relevant initiatives and projects contributing to the development of EOSC, particularly in the areas of data interoperability.

All software developed under this action should be open source, licensed under a CC0 public domain dedication or under an open source license as recommended by the Free Software Foundation and the Open Source Initiative.

This action seeks to address the challenges linked to the COVID-19 variants. As such, the granting authority hereby requests activation of the public emergency provisions, meaning that the beneficiaries must comply with the public emergency related provisions listed in the General Annexes concerning the project implementation under - Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5) for the duration of the pandemic; and under Communication, dissemination, open science and visibility (article 17 and Annex 5) during the entire duration of the action and for four years after the end of the action.

Expected Impact:

Proposals should set out a credible pathway to contributing to one or several of the following impacts:

- transforming the way researchers as well as relevant actors in the public and private sectors create, share and exploit research outputs (data, publications, protocols, methodologies, software, code, etc.) within and across research disciplines, and with the public health sector, leading to improved timeliness, better quality, more innovation, higher productivity of research and a better integration between research outputs and public health policy;
- seamless access to and management of increasing volumes of research data following FAIR principles (and that are as open as possible, as closed as necessary) and other research outputs stimulating the development and uptake of a wide range of new innovative and value-added services from public and commercial providers;
- improving trust in science through increased FAIRness, openness and quality of scientific research in Europe, supported by more meaningful monitoring and better facilitators for reproducibility, validation and re-use of research results, and by improving pathways for the communication of science to the public.

Περισσότερα:

<https://bit.ly/3d0PdCm>



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6 Πρόγραμμα:	Research Infrastructures
Τίτλος:	H2021 Call for Proposals: Research infrastructure services for rapid research responses to COVID-19 and other infectious disease epidemics (HORIZON-INFRA-2021-EMERGENCY-02)
Κωδικός:	HORIZON-INFRA-2021-EMERGENCY-02
Ερευνητικές Περιοχές:	Υγεία, Κατασκευές, Έρευνα & Ανάπτυξη
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	09/04/2021
Προθεσμία Υποβολής:	06/05/2021
Περίληψη Πρόσκλησης:	<p><u>ExpectedOutcome:</u> Project results are expected to contribute to all the following expected outcomes: - comprehensive catalogue of research infrastructure services relevant to tackle infectious diseases epidemics is available, including services supporting pertinent social sciences research; - fast assembly and provision of innovative, customised and efficient research infrastructure services to support research linked to detecting, assessing and combatting newly emerging SARS-CoV-2 variants; - challenge driven integration of research infrastructures to better support research addressing infectious diseases and face epidemics, including for use by epidemics risk assessment and risk management bodies (such as the European Centre for Disease prevention and Control (ECDC), the World Health Organisation (WHO), the World Organisation of Animal Health (OIE) and national epidemics management bodies); - rapid response to epidemics outbreaks through research infrastructure services underpinning and supporting research aiming to understand causes and development of the epidemic; - development of novel/adapted epidemics intervention tools and measures enabled by relevant research infrastructure (RI) services; - availability of research data emerging from access provision activities for re-use on common data platforms and registries, according to FAIR principles and compliant with legal provisions under the General Data Protection Regulation (GDPR).</p> <p><u>Scope:</u> Proposals under this action, will integrate research infrastructure services to form a comprehensive and inclusive portfolio to support research in response to infectious disease epidemics or underpinning respective forefront research in the field. As a first immediate challenge, the delivered services should support research targeting newly emerging SARS-Cov-2 variants and addressing the on-going COVID-19 pandemic. Proposals will support the provision of trans-national and/or virtual access to</p>



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researchers as well as training for using the infrastructures, and activities to improve, customise and integrate the services the infrastructures provide, so as to facilitate and integrate the access procedures and to further develop the remote or virtual provision of services.

Access to research infrastructure services will be provided to users to support their research projects targeting the development of new or adapted prevention and/or intervention tools and measures, such as new or adapted diagnostic procedures and therapies, drugs, vaccines, clinical disease management or disease vector control, or evidence-based public health, socio-behavioural and socio-economic measures. Priority should be given to supporting research projects targeting newly emerging virus variants, focusing on their detection, characterisation, surveillance and assessment (changes in transmissibility and disease manifestation) and on the adaptation of intervention and prevention measures (medication, vaccines, public health measures) which likely also requires additional regulatory and clinical trials support.

Following the One-Health concept, services supporting research on transmission of pathogens from animals to humans (or vice versa animals as host reservoir), including vector-borne transmission, should be covered. Research infrastructures dealing with social science should be involved to enable data acquisition enhancing understanding of individual and population perceptions and behaviours in an epidemic setting, including public response to intervention measures such as social distancing, vaccine campaigns, etc., over the course of an epidemic. Flexibility in the provision of services should be properly demonstrated to ensure fast re-orientation and expansion of the portfolio in response to unexpected epidemics situations, including emerging threats posed by new SARS-CoV-2 variants. Effective operational links to epidemics risk assessment and management bodies like ECDC, WHO, OIE, a possible future EU Health Emergency preparedness and Response Authority (EU-HERA) and national authorities are essential. Global standards, relevant data platforms and registries should be used to make user project results openly available and usable, thus enabling further research on pathogens, disease manifestation, behavioural research and other epidemics related social science research.

Appropriate links should be ensured with the European Open Science Cloud (EOSC), the European COVID-19 Data Platform and the newly established Population Health Information Research Infrastructure for COVID-19 (PHIRI). Data management (and related ethics issues) and interoperability should be addressed.

To identify and better exploit related synergies, share results and avoid overlaps, grants awarded under this action should cooperate with those awarded under the Other action "FAIR and open data sharing in support of European preparedness for COVID-19 and other infectious diseases". To this extent, proposals should provide for dedicated activities and earmark appropriate resources.

Pandemics are global challenges and collaboration with relevant international partners should be envisaged.

Proposals should adhere to the guidelines and principles of the European Charter for Access to Research Infrastructures[1].



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Proposals should make available to researchers the widest and most comprehensive portfolio of research infrastructures services which are relevant for the scope. To this extent, they should involve, as beneficiaries or as third parties, the necessary interdisciplinary set of research infrastructures of European interest[2] that provide such services. The inclusiveness of the proposal will be taken into account in the Excellence score.

Research infrastructures from third countries[3] may be involved when appropriate, in particular when they offer complementary or more advanced services, including data, than those available in Europe.

Proposals could consider, for their inclusion in the service portfolio, relevant services and expertise offered by the European Commission's Joint Research Centre (JRC) , and in particular by its Nanobiotechnology laboratories[4], on high-end characterisation of therapeutics against pandemics, including antibodies, viral antigens, vaccine nanocarriers, and, more in general, on characterisation of nanomaterials, nanomedicines and advanced materials.

Grants awarded under this action are expected to duly contribute to any future Partnership for Pandemic Preparedness that might be established under Horizon Europe.

Proposals should include an outreach plan to actively advertise its services to targeted research communities and, if applicable, to relevant industries, including SMEs.

Proposals are expected to exploit synergies and to ensure complementarity and coherence with other EU grants supporting access provision.

Proposals will include the list of services/installations[5] opened by research infrastructures for trans-national or virtual access and the amounts of units of access made available for users.

Further conditions and requirements relating to access provisions that applicants should fulfil when drafting a proposal are given in the "Specific features for Research Infrastructures" section of this Work Programme. Compliance with these provisions will be taken into account during evaluation.

Expected Impact:

Proposals should set out a credible pathway to contributing to several of the following impacts

- enhancement of EU capacity to identify, characterise and mitigate the effects of COVID-19 virus variants of concern, and future emerging pathogens of public health concern;
- reinforced research infrastructures capacity to provide at scale and across the EU services to support excellent research to address societal challenges, and Horizon Europe objectives;
- enhanced and increased society's long-term and consistent problem-solving capacity and evidence-based policy making in areas linked to health, including a better understanding of socio-economic implications, through the provision of innovative, customised and efficient RI services;
- new discoveries and knowledge breakthroughs enabled by access provision to the



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best and in some cases unique state-of-the-art RIs;
- a new generation of researchers trained to optimally exploit all the essential and advanced tools for their research.

Περισσότερα:

<https://bit.ly/2PSAWyR>



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7 Πρόγραμμα:	Health
Τίτλος:	H2021 Call for Proposals: COVID19 - HERA Incubator (HORIZON-HLTH-2021-CORONA-01)
Κωδικός:	HORIZON-HLTH-2021-CORONA-01
Ερευνητικές Περιοχές:	Υγεία
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	31/03/2021
Προθεσμία Υποβολής:	06/05/2021
Περίληψη Πρόσκλησης:	<u>Topics Called:</u> - Vaccines & therapeutic clinical trials to boost COVID-19 prevention and treatment, TOPIC ID: HORIZON-HLTH-2021-CORONA-01-01 - Cohorts united against COVID-19 variants of concern, TOPIC ID: HORIZON-HLTH-2021-CORONA-01-02
Περισσότερα:	https://bit.ly/3uzIPYO



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8 Πρόγραμμα:	European Innovation Council
Τίτλος:	H2021 Call for Proposals: EU Prize for Women Innovators (HORIZON-EIC-2021-WomenInnovatorsPrize)
Κωδικός:	HORIZON-EIC-2021-WomenInnovatorsPrize
Ερευνητικές Περιοχές:	Έρευνα & Ανάπτυξη
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	09/04/2021

Προθεσμία Υποβολής: 30/06/2021

Περίληψη Πρόσκλησης:

Objectives:

The EU Prize for Women Innovators celebrates the women entrepreneurs behind game-changing innovations. In doing so, the EU seeks to raise awareness of the need for more female innovators, and create role models for women and girls everywhere.

The Prize is awarded to up to four women innovators in total (including one young 'Rising Innovator') who have created the largest impact on the innovation ecosystem by transforming ideas into new and advanced products and/or services for the benefit and wealth of European citizens.

Actions:

If admissible and eligible, all eligible applications will be evaluated and ranked against the following award criteria:

- Breakthrough innovation – the company founded or co-founded by the applicant provides a truly innovative product or service. In presenting her innovation, the applicant will clearly demonstrate what makes this product or service innovative, describing its added value and viability, particularly in relation to other existing solutions.
- Impact – the product or service addresses a specific societal need or challenge, with significant benefits to citizens and to the economy. The applicant should describe the specific need addressed, and demonstrate the benefit of their product or service for society. She should demonstrate that the product or service contributes to the creation of jobs and growth in Europe. The applicant should also demonstrate her company's positive contribution to the broader innovation ecosystem. The applicant will support her reply with quantifiable information on the economic impact in particular, including countries where the product or service is commercialised, turnover (in EUR), jobs created, and any other direct or indirect impact. The applicant should also detail the medium- and long-term development strategy for the company.
- Inspiration – the applicant has shown active leadership and has played a pivotal



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role in the success of the company. The applicant is a strong role model who has the potential to inspire others within her company and beyond.

Περισσότερα:

<https://bit.ly/3g2ME4V>



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9 Πρόγραμμα:	European Innovation Council
Τίτλος:	H2021 Call for Proposals: The European Capital of Innovation Awards (iCapital) (HORIZON-EIC-2021-iCapitalPrize)
Κωδικός:	HORIZON-EIC-2021-iCapitalPrize
Ερευνητικές Περιοχές:	Τοπική ανάπτυξη, Περιβάλλον, Οικονομία, Κατασκευές, Έρευνα & Ανάπτυξη, Αστικός Σχεδιασμός
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	18/03/2021

Προθεσμία Υποβολής: **15/07/2021**

Περίληψη Πρόσκλησης:

Objectives:

Every year, the European Union recognises cities with inclusive innovation ecosystems by awarding the recognition prize European Capital of Innovation Awards. The awards identify urban ecosystems that connect citizens, the public sector, academia, and business, and successfully translate their results into improved wellbeing of their citizens, while boosting game-changing innovation. The award is part of the European Union's efforts to raise awareness about the benefits of urban innovation 'with' and 'for' citizens, supporting cities in addressing relevant societal challenges, and strengthening their urban resilience.

Actions:

If admissible and eligible, the applications will be evaluated and ranked against the following award criteria:

- award criterion 1: Experimenting – innovative concepts, processes, tools, and governance models proving the city's commitment to act as a test-bed for innovative practices, while ensuring the mainstreaming of these practices into the ordinary urban development process.
- award criterion 2: Escalating – accelerating the growth of highly innovative start-ups and SMEs by establishing an innovation friendly legal framework, creating an environment that stimulates growth, private and public investments, resources and talents; and driving innovation demand through efficient innovation public procurement. The city is expected to provide details on concrete results of the showcased initiatives.
- award criterion 3: Ecosystem building – unlocking the city's potential as local innovation ecosystem facilitators by fostering synergies among different innovation ecosystem players, from public, industry, civil society, citizens to academia, to contribute to the development of an innovation ecosystem within the city.
- award criterion 4: Expanding – acting as a role model for other cities by supporting the dissemination and replication of tested solutions that boost the local innovation



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ecosystem; by promoting mutual learning, knowledge transfer and capacity building; and by enhancing cooperation and synergies between cities that are front-runners in driving the local innovation ecosystem, and those that are still exploring and testing their role as innovation enablers.

- award criterion 5: City innovative vision – applicants should demonstrate their long-term strategic vision/plan, highlighting the innovative initiatives that have positively contributed to the transformation of the city and which will further support the development of a robust and sustainable innovation ecosystem.

Περισσότερα:

<https://bit.ly/3uOnJGI>



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10 Πρόγραμμα:	European Innovation Council
Τίτλος:	H2021 Call for Proposals: EIC Accelerator Challenges 2021 (HORIZON-EIC-2021-ACCELERATORCHALLENGES-01)
Κωδικός:	HORIZON-EIC-2021-ACCELERATORCHALLENGES-01
Ερευνητικές Περιοχές:	Υγεία, Τεχνολογίες Πληροφορικής & Επικοινωνιών, Περιβάλλον, Οικονομία - Επιχειρήσεις - Βιομηχανία - Τουρισμός, Έρευνα & Ανάπτυξη, Εκπαίδευση - Κατάρτιση
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	08/04/2021
Προθεσμία Υποβολής:	09/06/2021
Περίληψη Πρόσκλησης:	<p><u>Objectives:</u> The EIC Accelerator Challenges supports companies (principally start-ups and SMEs) to scale up high impact innovations with the potential to create new markets or disrupt existing ones in identified areas of strategic relevance. Like EIC Accelerator Open, the EIC Accelerator Challenges focus on innovations building on scientific discovery or technological breakthroughs ('deep tech') and where significant funding is needed over a long timeframe before returns can be generated ('patient capital').</p> <p>The EIC Accelerator Challenges is open to innovations in the specific fields of technology or application described by the specific challenges of the EIC Work Programme 2021. However, innovations that harm the environment or social welfare or that are designed primarily for military applications will not be supported.</p> <p><u>Actions:</u> This call covers the following topics: HORIZON-EIC-2021-ACCELERATORCHALLENGES-01-01: Strategic Digital and Health Technologies HORIZON-EIC-2021-ACCELERATORCHALLENGES-01-02: Green Deal innovations for the Economic Recovery</p>
Περισσότερα:	https://bit.ly/3mEG59K



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11 Πρόγραμμα:	European Innovation Council
Τίτλος:	H2021 Call for Proposals: EIC Accelerator Open 2021 (HORIZON-EIC-2021-ACCELERATOROPEN-01)
Κωδικός:	HORIZON-EIC-2021-ACCELERATOROPEN-01
Ερευνητικές Περιοχές:	Οικονομία - Επιχειρήσεις - Βιομηχανία - Τουρισμός, Έρευνα & Ανάπτυξη, Εκπαίδευση - Κατάρτιση
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION - DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
Ημερομηνία Δημοσίευσης:	04/04/2021
Προθεσμία Υποβολής:	09/06/2021
Περίληψη Πρόσκλησης:	<p><u>Objectives:</u> The EIC Accelerator supports companies (principally start-ups and SMEs) to scale up high impact innovations with the potential to create new markets or disrupt existing ones. The EIC Accelerator provides a unique combination of funding from EUR 0.5 to EUR 17.5 million and Business Acceleration Services.</p> <p>The EIC Accelerator focuses in particular on innovations building on scientific discovery or technological breakthroughs ('deep tech') and where significant funding is needed over a long timeframe before returns can be generated ('patient capital'). Such innovations often struggle to attract financing because the risks and time period involved are too high. Funding and support from the EIC Accelerator is designed to enable such innovators to attract the full investment amounts needed for scale up in a shorter timeframe.</p> <p>The EIC Accelerator is open to innovations in any field of technology or application. However, innovations that harm the environment or social welfare or that are designed primarily for military applications will not be supported.</p> <p>The EIC Accelerator supports the later stages of technology development as well as scale-up. The technology component of your innovation must therefore have been tested and validated in a laboratory or other relevant environment (e.g. at least Technology Readiness Level 5/6 or higher). The EIC Accelerator looks to support companies where the EIC support will act as a catalyst to crowd in other investors necessary for the scaleup of the innovation.</p> <p><u>Actions:</u> This call covers the following topics: HORIZON-EIC-2021-ACCELERATOROPEN-01: EIC Accelerator Open 2021</p>



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Περισσότερα:

<https://bit.ly/3wYWFpM>



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12 Πρόγραμμα:	Information and Communication Technologies
Τίτλος:	H2020 - Call for Proposals: Training and Education on High Performance Computing (H2020-JTI-EuroHPC-2020-03)
Κωδικός:	H2020-JTI-EuroHPC-2020-03
Ερευνητικές Περιοχές:	Τεχνολογίες Πληροφορικής & Επικοινωνιών, Έρευνα & Ανάπτυξη
Δικαιούχοι:	Νομικά Πρόσωπα
Φορέας Κοινοποίησης:	EUROPEAN COMMISSION-DIRECTORATE GENERAL FOR COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY
Ημερομηνία Δημοσίευσης:	17/03/2021
Προθεσμία Υποβολής:	01/07/2021
Περίληψη Πρόσκλησης:	<p><u>Specific Challenge:</u> Central objective of this call is to develop and implement the pilot(s) of the European Master of Science (MSc) programme(s) for High Performance Computing (HPC). The graduate education programme(s) will focus HPC and HPC-usage. They will demonstrate the added value of a pan-European education programme, committed to academic excellence, that offers students an outstanding career perspective in international companies and research institutes.</p> <p>HPC is a rapidly accelerating field of research and development with a strong potential for economic growth. HPC, data science, data analytics and the data-economy are becoming increasingly important for many industry and commercial sectors. While basic computer science and programming languages are included in many university curricula, existing education programmes do not meet the demands on modern education adapted to a rapidly developing HPC technology ecosystem. Increased HPC awareness and an HPC-proficient workforce are essential to develop a competitive HPC ecosystem in Europe in the next years. The availability of HPC experts to drive the European digital transformation, such as HPC administrators and architects, HPC proficient data scientists, HPC application developers and expert users, depends on the education of highly skilled and talented graduate students.</p> <p>The call aims at creating one or more pan-European pilots for the development of a modern HPC-centred education programme to reach scientific and industrial target groups and to serve key actors in the private and public sector.</p> <p><u>Scope:</u> European Master (MSc) programme in HPC Proposals under this action should detail a pilot programme that aims to develop a quality-controlled educational master programme for HPC and industrial applications in HPC of pan-European reach. The action should support the design and delivery of a master programme of pan-European reach for 50+ students per annual intake, equivalent to 120 ECTS and</p>



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targeting advanced skills development to widen the scientific and industrial use of HPC applications. Two cohorts of students should complete the pilot programme.

The proposed projects must fulfil the following objectives:

- Educate students able to contribute in areas such as the design, deployment, operation, and/or the use of current and future generation HPC and HPC-related technologies in Europe.
- Educate experts skilled in driving HPC adoption and knowledge transfer in industry and academia in different strategic domains, thereby linking HPC activities in industry and academia.

The proposed master programmes should address all of the following aspects:

- Design the framework and pilot of a two-year European joint master programme and its learning outcomes, and detail how excellence in academic content, teaching and talent development will be achieved and sustained among all partners in the consortium.
- Propose a general curriculum for a master programme on the design of HPC platforms, HPC adoption in industry, expertise in HPC environments and applications using HPC.
- Ensure a modular design of the curriculum, with clear identification of scientific disciplines, industrial applications and HPC usage profiles (designer, developer, administrator, user), that facilitates full or partial adoption of the modules into new or existing MSc programmes.
- Explain how students will be immersed in research activities and educated in European technology and applications throughout the curriculum and according to their specific interests.
- Provide information on the envisaged learning environment and opportunities for personal development and the development of a collaborative and inclusive student community.
- Describe the details of the awarded MSc degree, which academic institutions at pan-European level will award it and in what form (e.g. joint or multiple degrees).
- Define a transparent, effective and competitive selection process for the admission of students, addressing the requirements of European stakeholders.
- Explain how a balanced intake of students regarding geographical origin and underrepresented groups will be achieved.
- Explain which measures will be implemented to ensure that only students who are nationals of EU or Participating States may receive financial benefits by the programme.
- Educate students and provide room for creativity in using leading and emerging European HPC systems and technology as part of the MSc programme.
- Clearly elaborate the benefits of a pan-European MSc programme for students and stakeholders. Ensure excellence to attract talents and partners from the public and private sector.
- Develop and implement an action plan using existing links to industry, entrepreneurship centres, business incubators, academic partners and other European initiatives to support students after graduation in their careers in HPC.



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- Promote the programme across Europe and specifically in countries where HPC adoption is low to increase diversity, participation by underrepresented groups and to support a broad geographical coverage of applicants.
- Develop substantial content, teaching materials and online courses to complement on-site courses, which should also be provided to a broader community under an open license using a coherent structure and format to support the adoption by other education programmes.
- Explain the mechanisms to share expertise and resources among the consortium.
- Address the requirements and needs of relevant European industry players (supply and user industry). Expectations and commitment of industry partners, e. g. in mentorship programmes, should be described in detail and the added value clearly identified.
- Demonstrate how the requirements of SMEs will be taken into account in the education programme.

The proposed action should deliver a set of lessons learned for the implementation of a pan-European education programme in HPC inspired by the present pilot programme. Moreover, concrete recommendations including a roadmap to achieve a sustainable and successful MSc programme on the basis of the pilot should be provided by the end of the project.

The action should also facilitate mobility and internships for students as a part of HPC master programme.

- Student mobility between European universities, research centres and industry should be designed as a part of the study programme in synergy and coordination with other mobility programmes (Summer of HPC, HPC Europe, Erasmus+ etc.) to support awareness and collaboration across communities. Proposals should also explain how mobility will be achieved.

- For students pursuing an industry-focussed track of the MSc programme, student internships at industry or at research institutions will be a mandatory part of the study programme curricula. Expected duration of the internships is from 3 to 6 months during the second year of the study. The consortium should implement appropriate measures to ensure a high quality and comprehensive supervision of the students during the internship (clear work plan, personal supervisor, monitoring and on-site visits by coordinator, feedback loop etc.). Costs incurred by entities hosting students during internships are not eligible.

Requirements on consortium: The consortium should demonstrate a good mix of excellence in education, research and in HPC technologies and applications, with solid links to the HPC supply and user industry in Europe. Moreover, the participating institutions should demonstrate complementary and well-justified roles in the programme with an outstanding track record in their respective field. The consortium should support inclusivity in Europe and help in creating a level-playing field across Europe, and in particular for those countries currently developing their HPC infrastructure and ecosystem.

As consortium partners following types of institutions are eligible:

- Higher education institutions (HEI) that are able to deliver a curriculum equivalent



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to 120 ECTS credits and award a master degree diploma (coordinator and main partners)

- Supercomputing centers
- Research institutions focused on HPC
- Other entities eligible for participation in H2020, including private and for-profit companies, are eligible to participate in the action in exceptional and well-justified cases. Each HEI in the consortium should provide a letter of commitment from their respective legal representative.

The consortium as a whole should provide a clear plan how the availability of state-of-the-art computing resources and emerging technology will be ensured for the activities within the project.

An advisory board consisting of industry and academic representatives must be constituted for the project. Letters of commitment from potential members of the advisory board should be provided as a part of the project proposal.

Περισσότερα:

<https://bit.ly/3a1WsIv>