

PERIN

Portugal in Europe
Research and Innovation Network

HORIZON EUROPE

Joao Ribau (ANI)

HORIZON EUROPE



EU funding programmes

| EU-wide collective effort | | | | | National regional and local | | | Financial instrument |
|---------------------------|--|---|-------------------------|---|---|---|--|--|
| Horizon Europe | Digital Europe | CEF | Creative Europe | Health | Cohesion | Agriculture funds | RRF | InvestEU |
| Research Innovation | Strategic capacities: computing, data, testbeds, etc. Advanced digital skills EU-Wide deployment | Broadband and 5G roll out Connecting Communities | Cultural Heritage Media | Data Spaces for Health Telemedicine eHDSI | Digital connectivity in white and grey areas Support to enterprises in line with Smart specialisation Digital skills for all citizens | Making use of Big Data for CAP monitoring Broadband rollout in rural areas | Connect Scale-up Modernise Reskill and Upskill 20% digital | Leverage private capital for investments in SMEs, research, digital, infrastructure, skills... |



Infoweek
10-14 janeiro 2022



Infoday nacional
19 de janeiro 2022
[Digital Europe Programme \(DIGITAL\)](#)

Horizon Europe structure



Some of the European strategy & Initiatives



European Partnerships

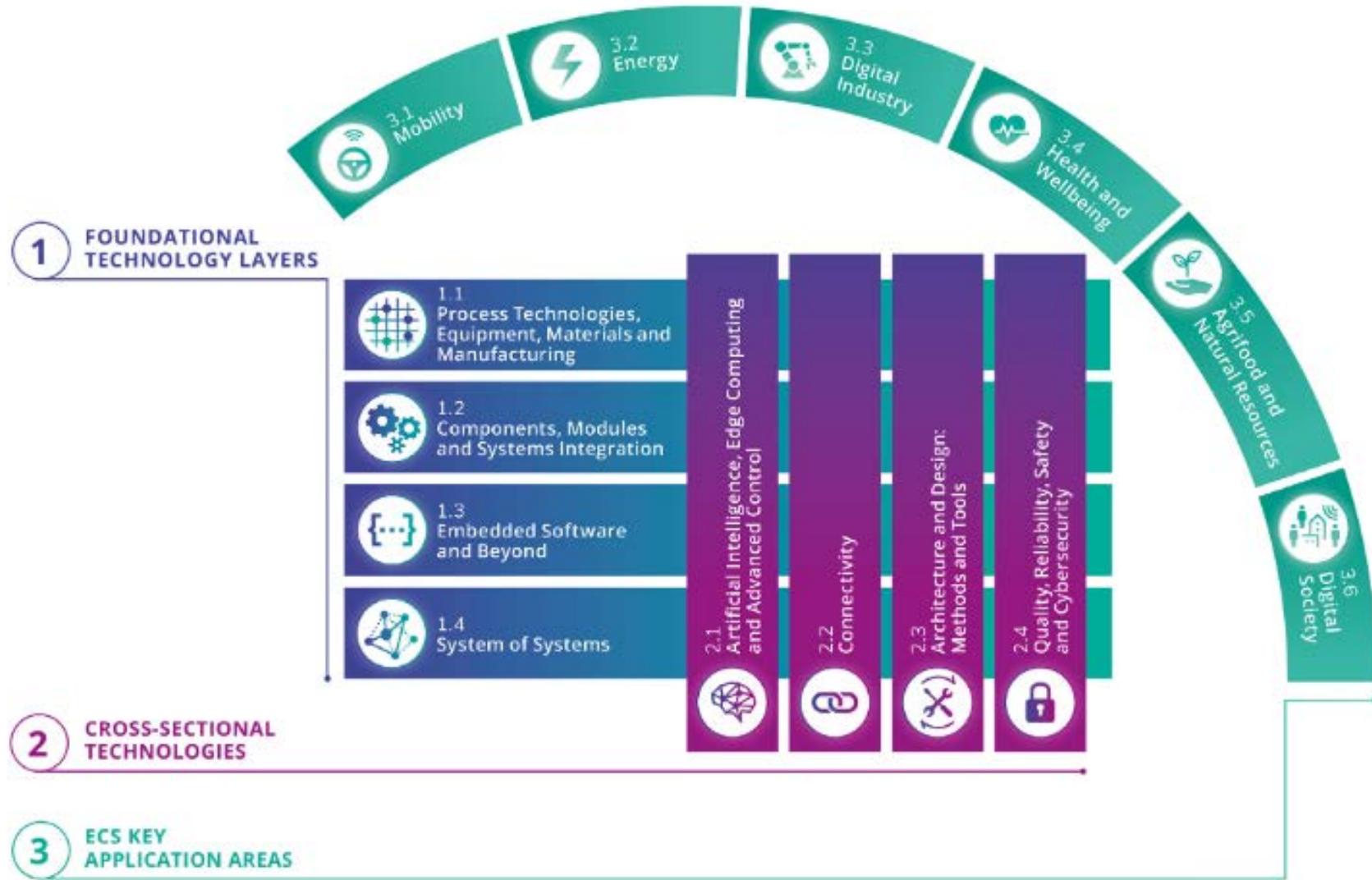
PILLAR II - Global challenges & European industrial competitiveness

| CLUSTER 1: Health | CLUSTER 4: Digital, Industry & Space | CLUSTER 5: Climate, Energy & Mobility | CLUSTER 6: Food, Bioeconomy, Agriculture, ... |
|---|--------------------------------------|---|--|
| Innovative Health Initiative | Key Digital Technologies | Clean Hydrogen | Circular Bio-based Europe |
| Global Health Partnership | Smart Networks & Services | Clean Aviation | Rescuing Biodiversity to Safeguard Life on Earth |
| Transformation of health systems | High Performance Computing | Single European Sky ATM Research 3 | Climate Neutral, Sustainable & Productive Blue Economy |
| Chemicals risk assessment | European Metrology (Art. 185) | Europe's Rail | Water4All |
| ERA for Health | AI-Data-Robotics | Connected and Automated Mobility (CCAM) | Animal Health & Welfare* |
| Rare diseases* | Photonics | Batteries | Accelerating Farming Systems Transitions* |
| One-Health Anti Microbial Resistance* | Made in Europe | Zero-emission waterborne transport | Agriculture of Data* |
| Personalised Medicine* | Clean steel – low-carbon steelmaking | Zero-emission road transport | Safe & Sustainable Food System* |
| Pandemic Preparedness* <i>Co-funded or co-programmed</i> | Processes4Planet | Built4People | |
| | Global competitive space systems** | Clean Energy Transition | |
| | | Driving Urban Transitions | |

Institutionalised Partnerships (Art 185/7)
 Institutionaised partnerships / EIT KICs
 Co-Programmed
 Co-Funded

* Calls with opening dates in 2023-24
** Calls with opening dates not before 2022

KDT action areas



FUNDING IN HORIZON EUROPE CLUSTERS (pilar II)



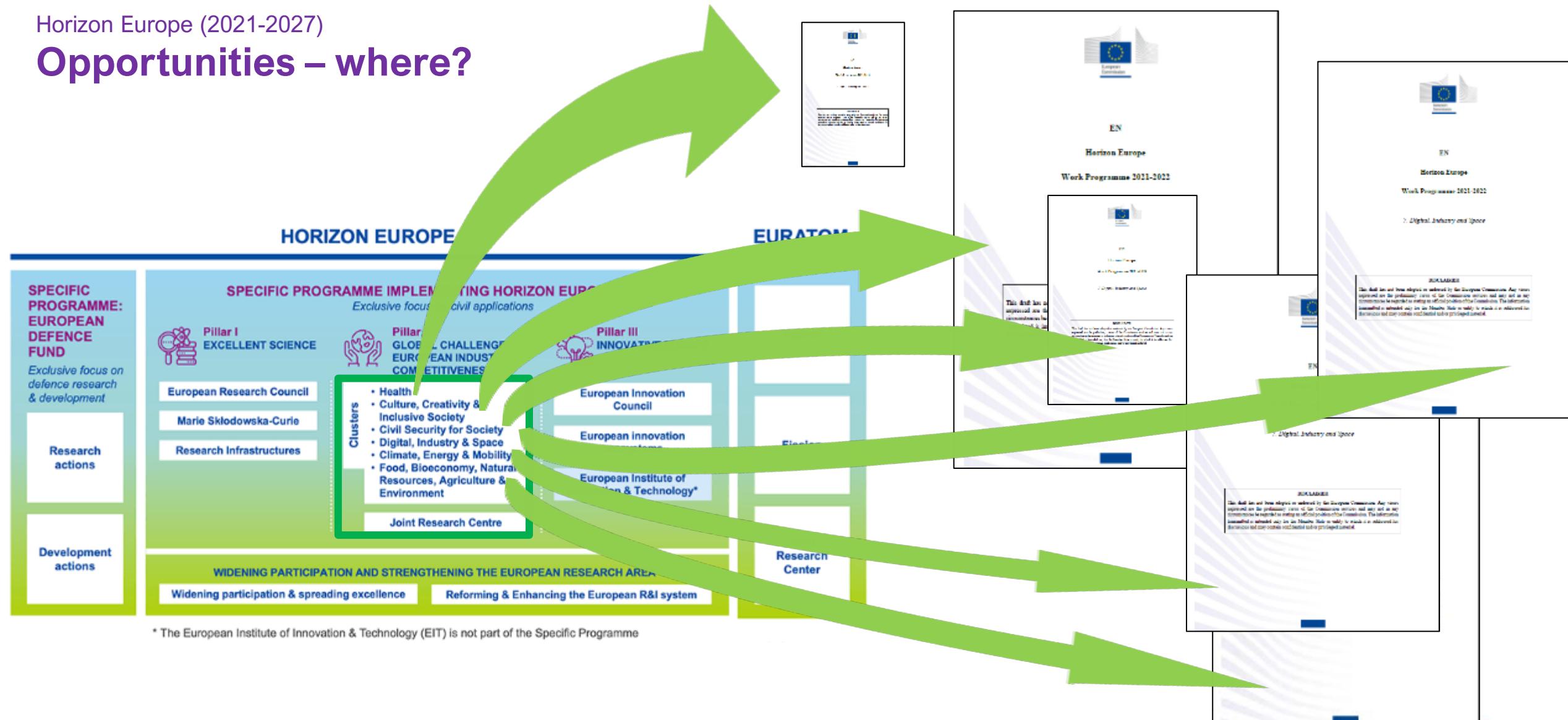
European
Commission



AGÊNCIA NACIONAL
DE INOVAÇÃO

Horizon Europe (2021-2027)

Opportunities – where?



Horizon Europe (2021-2027)

Opportunities – where?



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

Lets see
some specific
topic examples...

HORIZON-CL4-2022-DIGITAL-EMERGING-02-19: 2D materials-based devices and systems for biomedical applications (RIA)

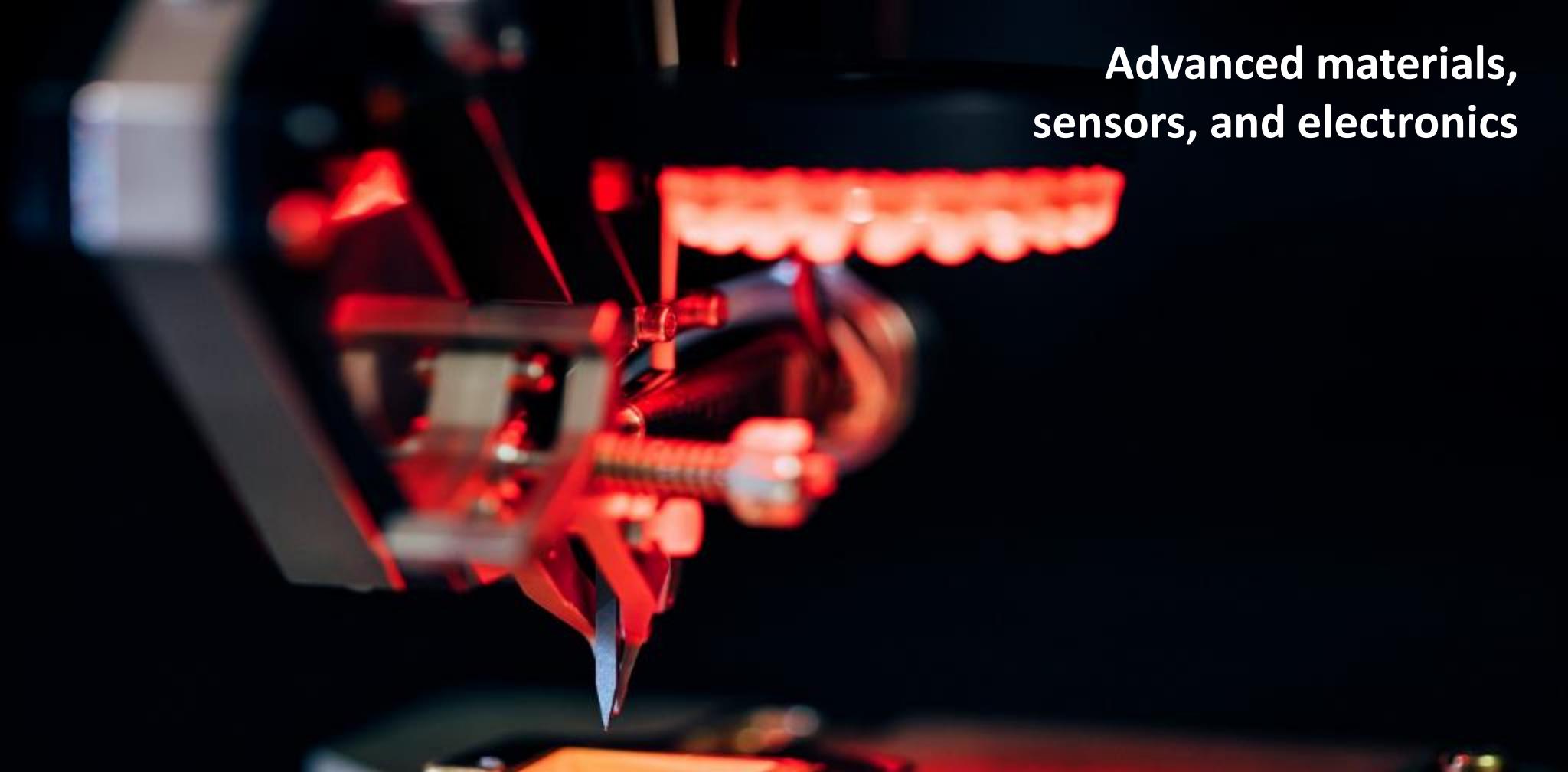
05 Apr 2022

HORIZON-HLTH-2022-IND-13-02: Scaling up multi-party computation, data anonymisation techniques, and synthetic data generation

21 Apr 2022

HORIZON-HLTH-2022-STAYHLTH-01-04-two-stage: Trustworthy artificial intelligence (AI) tools to predict the risk of chronic non-communicable diseases and/or their progression

HORIZON-HLTH-2022-DISEASE-06-04-two-stage: Development of new effective therapies for rare disease



Advanced materials, sensors, and electronics

HORIZON-CL4-2022-RESILIENCE-01-10: Innovative materials for advanced (nano)electronic components and systems (RIA)

30 Mar 2022

HORIZON-CL4-2022-DIGITAL-EMERGING-01-03: Advanced multi-sensing systems (Photonics Partnership) (RIA)

05 Apr 2022

HORIZON-CL4-2022-DIGITAL-EMERGING-01-30: European Enabling technologies for Beyond 5G/6G RAN disaggregated architectures (RIA)

05 Apr 2022

HORIZON-CL4-2022-DIGITAL-EMERGING-01-39: Ultra low energy and secure networks (RIA)

05 Apr 2022

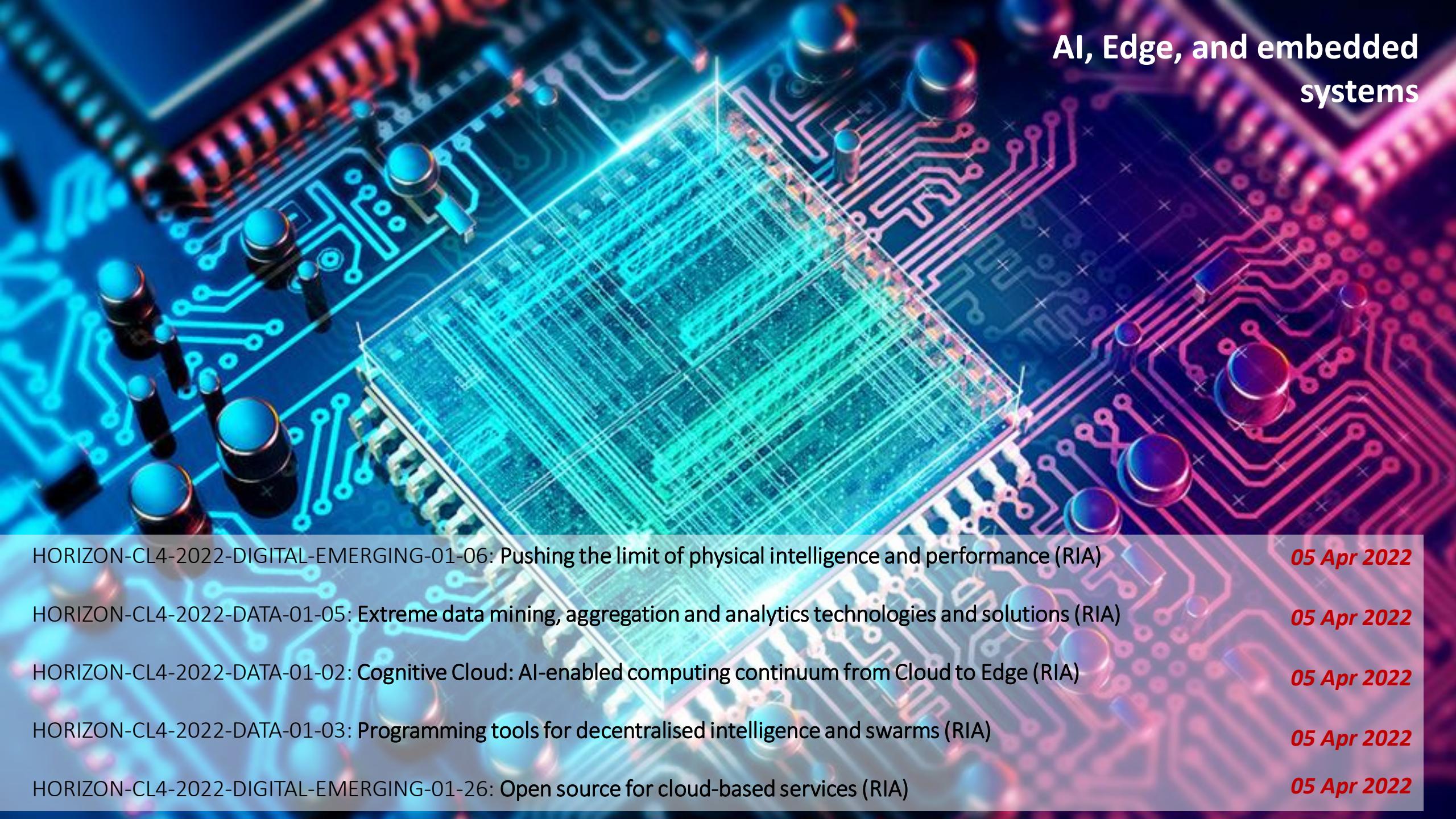
Industrial applications



HORIZON-CL4-2022-TWIN-TRANSITION-01-06: ICT Innovation for Manufacturing Sustainability in SMEs (I4MS2) (Made in Europe Partnership)

30 March 2022

HORIZON-CL4-2021-HUMAN-01-01: Verifiable robustness, energy efficiency and transparency for Trustworthy AI: Scientific excellence boosting industrial competitiveness (AI, Data and Robotics Partnership) (RIA)



AI, Edge, and embedded systems

HORIZON-CL4-2022-DIGITAL-EMERGING-01-06: Pushing the limit of physical intelligence and performance (RIA)

05 Apr 2022

HORIZON-CL4-2022-DATA-01-05: Extreme data mining, aggregation and analytics technologies and solutions (RIA)

05 Apr 2022

HORIZON-CL4-2022-DATA-01-02: Cognitive Cloud: AI-enabled computing continuum from Cloud to Edge (RIA)

05 Apr 2022

HORIZON-CL4-2022-DATA-01-03: Programming tools for decentralised intelligence and swarms (RIA)

05 Apr 2022

HORIZON-CL4-2022-DIGITAL-EMERGING-01-26: Open source for cloud-based services (RIA)

05 Apr 2022

HORIZON-CL4-2022-DIGITAL-EMERGING-02-18: 2D materials-based devices and systems for energy storage and/or harvesting (RIA) **05 Apr 2022**

HORIZON-CL5-2022-D3-01-14: Thermal energy storage solutions **26 Apr 2022**

HORIZON-CL5-2022-D5-01-09: Nextgen EV components: High efficiency and low cost electric motors for circularity and low use of rare resources **26 Apr 2022**

HORIZON-CL5-2022-D5-01-13: Digital aviation technologies for new aviation business models, services, emerging global threats and industrial competitiveness **26 Apr 2022**



HORIZON-CL3-2022-CS-01-02: Trustworthy methodologies, tools and data security “by design” for dynamic testing of potentially vulnerable, insecure hardware and software components

26 Apr 2022

HORIZON-CL3-2022-CS-01-03: Transition towards Quantum-Resistant Cryptography

26 Apr 2022

HORIZON-CL3-2021-CS-01-02: Improved security in open-source and open specification hardware for connected devices



KDT JU

Key Digital Technologies Joint Undertaking

Electronic and Photonic components and the software that defines how they work

6GSNS

5G and beyond

More
opportunities



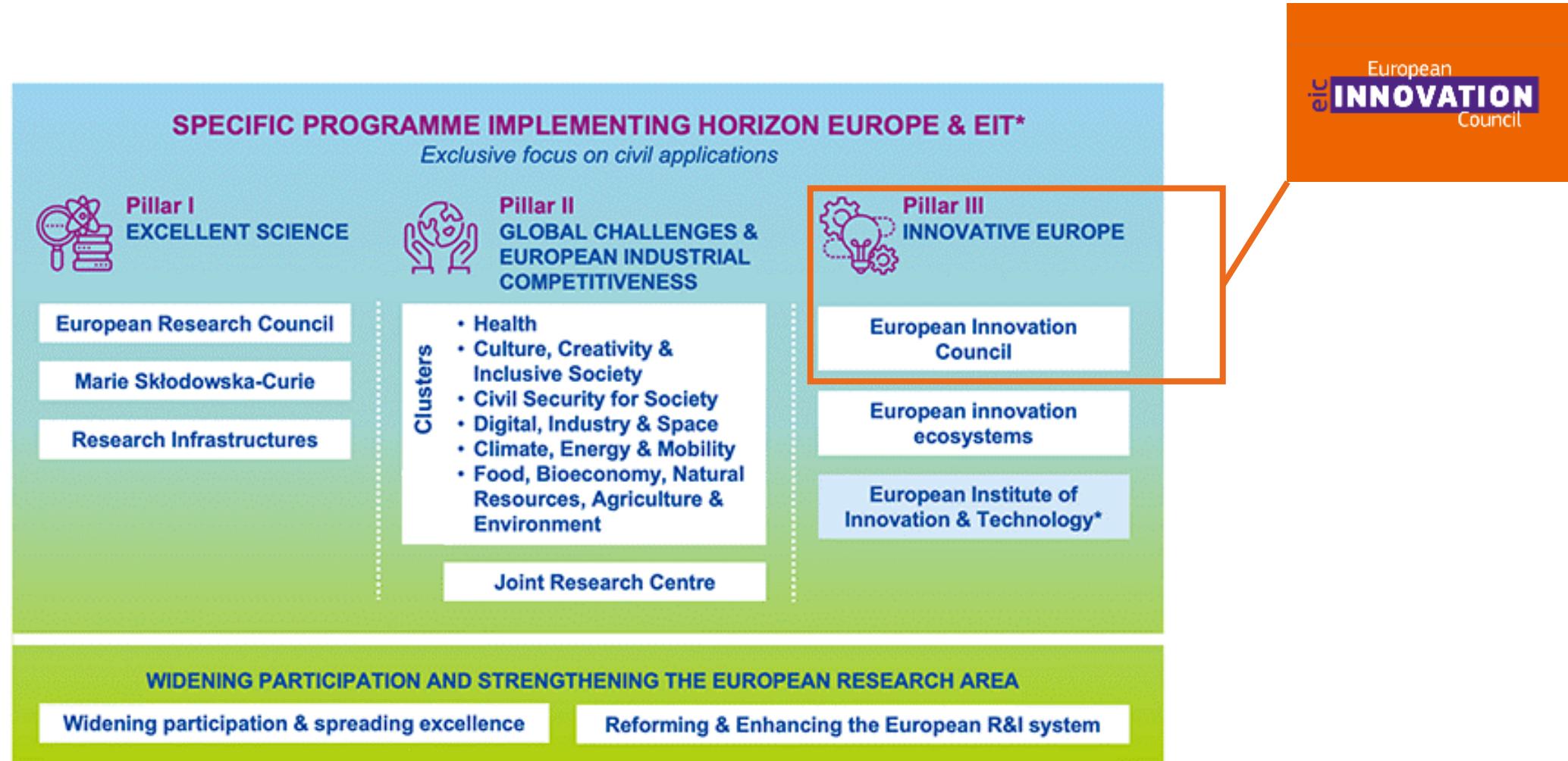
EuroHPC
Joint Undertaking

Enhance supercomputing capacity



Measurement tech and infrastructures

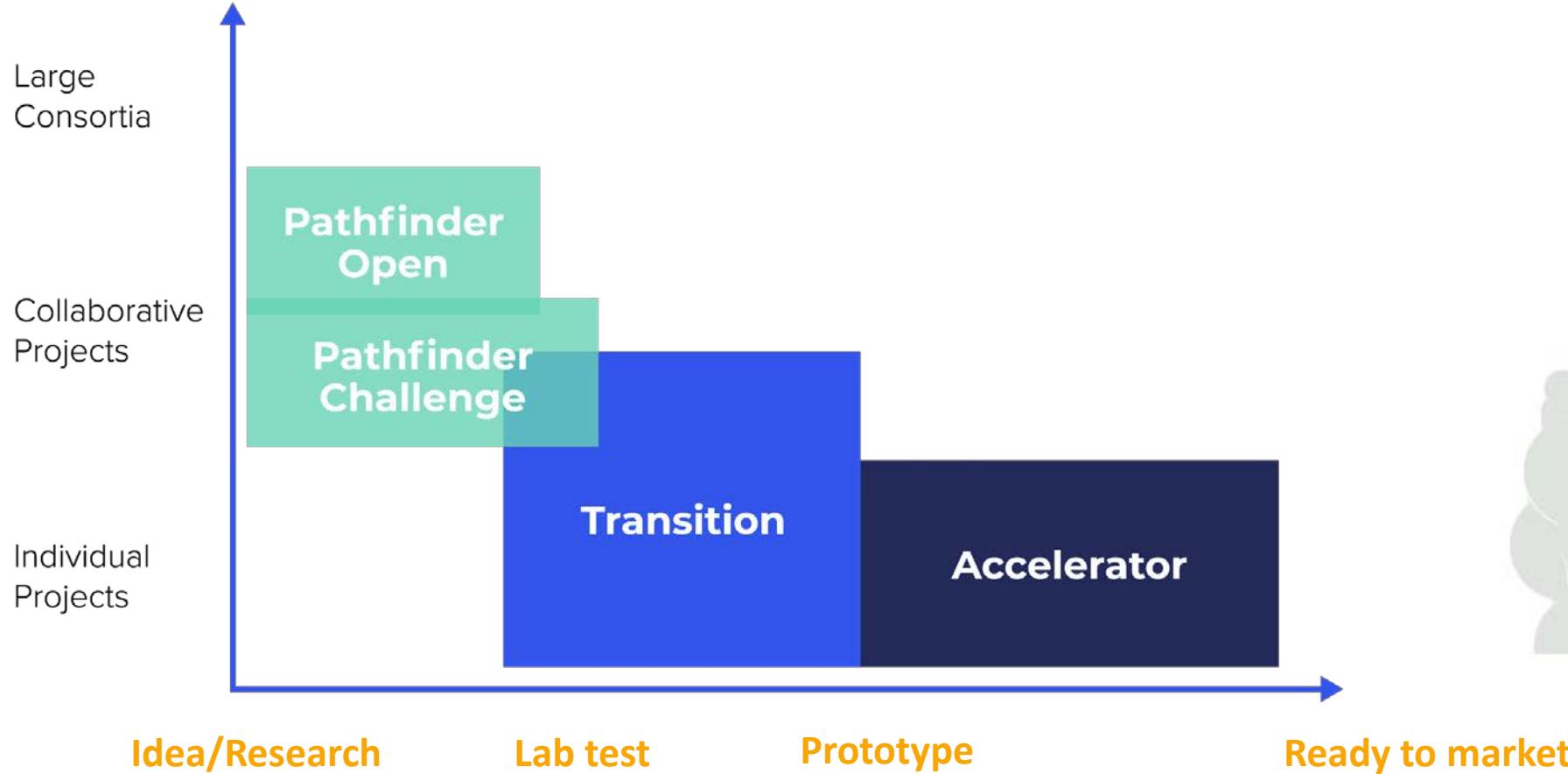
Horizon Europe structure



eic

FROM IDEA TO MARKET

EIC INSTRUMENTS



FROM IDEA TO MARKET

CHALLENGES



EIC Pathfinder: Cardiogenomics (e.g. bio-electronic devices)

EIC Pathfinder: DNA-based digital data storage (e.g. data-processing, in-vivo sensing or fingerprinting)

EIC Pathfinder: Alternative Quantum Information Processing, Communication, and Sensing

EIC Transition: Green digital devices for the future

EIC Accelerator: Technologies for Open Strategic Autonomy (e.g. edge, quantum, processing tech)

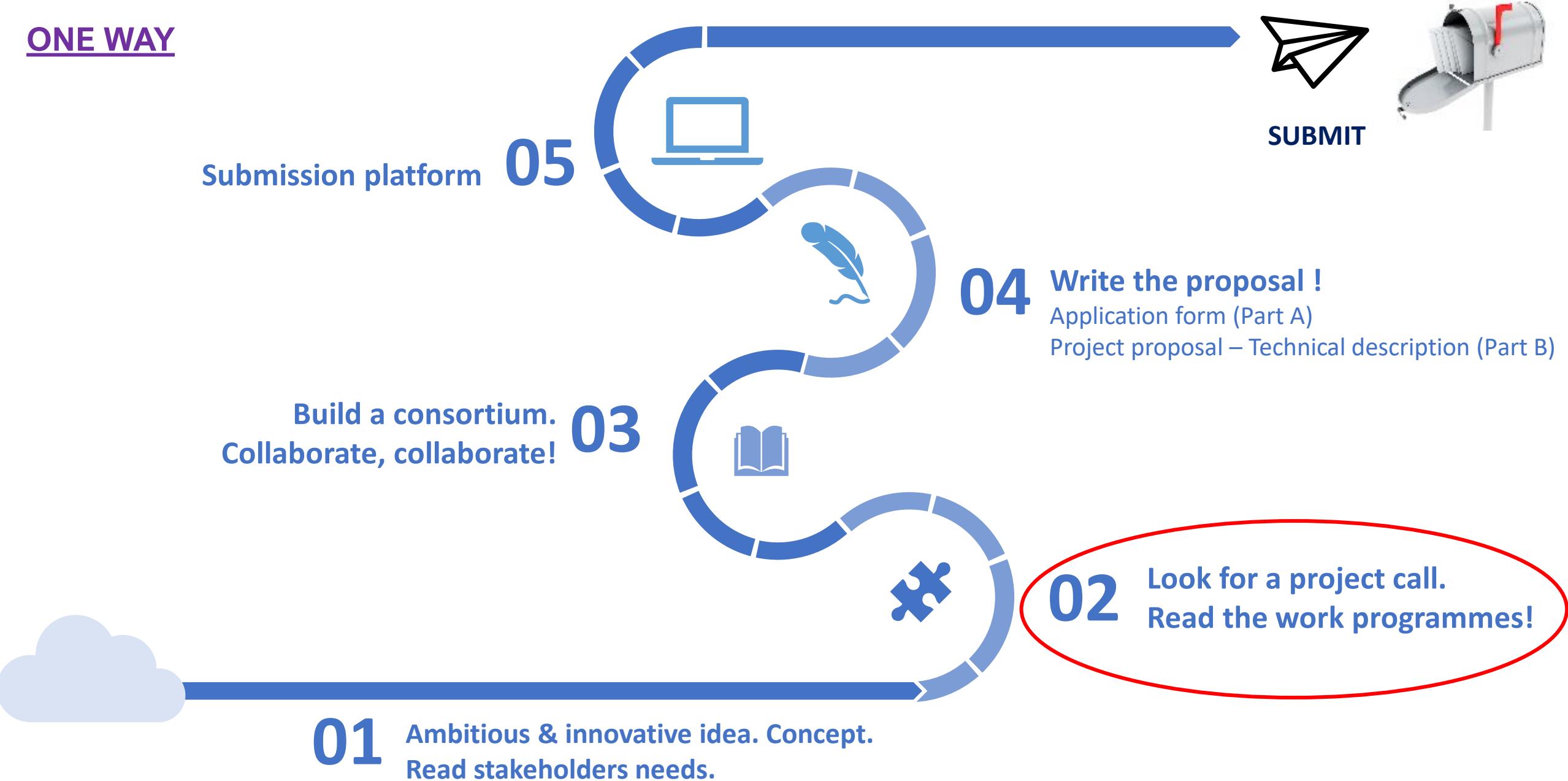
**OK.
I am convinced.
but...**



ONE WAY

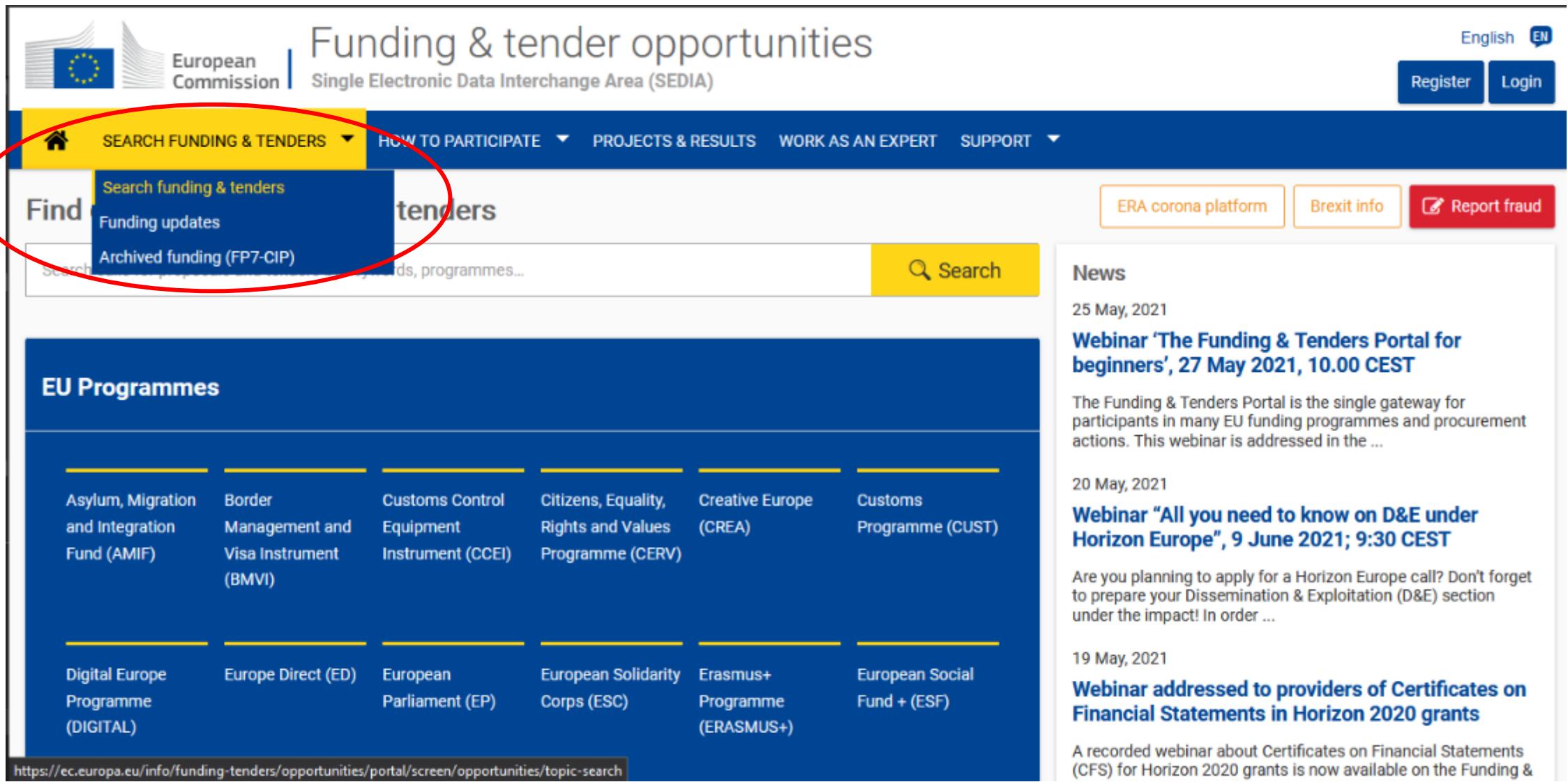


ONE WAY



Funding and tenders homepage

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



The screenshot shows the European Commission's Funding & tender opportunities portal. At the top, there is a navigation bar with links for English (EN), Register, and Login. Below the navigation bar, there is a search bar with a placeholder 'Search funding & tenders, programmes...' and a yellow 'Search' button. To the left of the search bar, there is a sidebar with options for 'Find funding & tenders', 'Funding updates', and 'Archived funding (FP7-CIP)'. The main content area features a section titled 'EU Programmes' with various program links. On the right side, there is a 'News' section with three recent articles. The footer contains a link to the topic search page.

Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

English EN

Register Login

SEARCH FUNDING & TENDERS ▾ HOW TO PARTICIPATE ▾ PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT ▾

Find funding & tenders

Funding updates

Archived funding (FP7-CIP)

Search funding & tenders, programmes... Search

ERA corona platform Brexit info Report fraud

News

25 May, 2021 **Webinar 'The Funding & Tenders Portal for beginners', 27 May 2021, 10.00 CEST**
The Funding & Tenders Portal is the single gateway for participants in many EU funding programmes and procurement actions. This webinar is addressed in the ...

20 May, 2021 **Webinar "All you need to know on D&E under Horizon Europe", 9 June 2021; 9:30 CEST**
Are you planning to apply for a Horizon Europe call? Don't forget to prepare your Dissemination & Exploitation (D&E) section under the impact! In order ...

19 May, 2021 **Webinar addressed to providers of Certificates on Financial Statements in Horizon 2020 grants**
A recorded webinar about Certificates on Financial Statements (CFS) for Horizon 2020 grants is now available on the Funding &

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search>

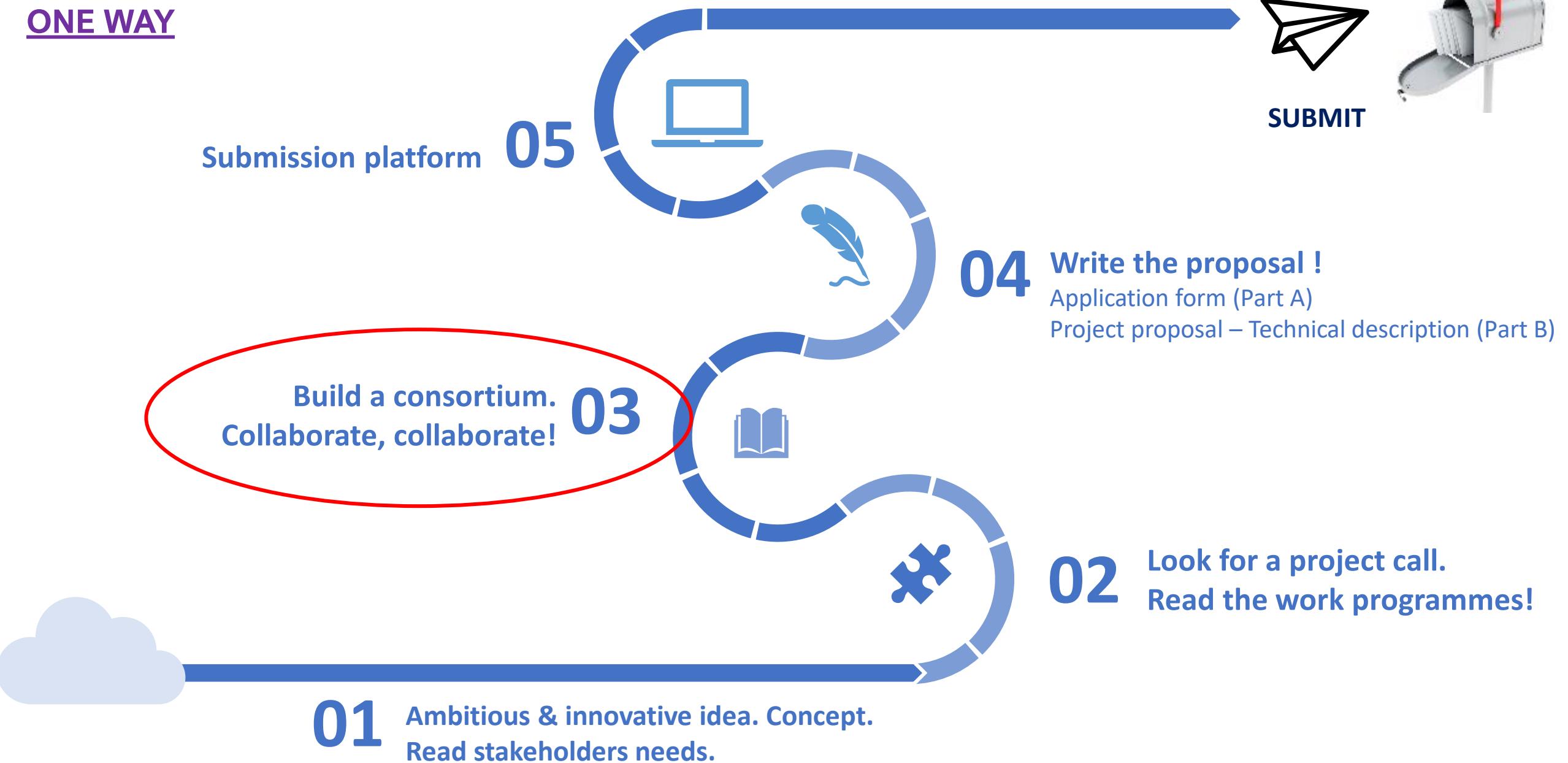
Funding and tenders homepage

[link: 2022 calls - Cluster 4: Digital, Industry and Space](#)

The screenshot shows the Horizon Europe (HORIZON) funding and tenders homepage. On the left, there is a sidebar with a search bar, filters for 'Match whole words only' (checked), 'GRANTS' (checked), and 'TENDERS'. Below these are sections for 'Submission status' (Forcoming 160, Open for submission, Closed), 'Programming period' (2021 - 2027 (160)), and 'Programme part' (Digital, Industry and Space). A red circle highlights the search bar and filters. Another red circle highlights the 'Programme part' dropdown menu. The main content area displays a list of 160 funding and tender opportunities. Each entry includes a 'Grant' or 'Tender' type, a title, programme details (Horizon Europe (HORIZON), ID, Type of action), and deadlines (Deadline model, Opening date, Deadline date). The first three entries are highlighted with red circles:

| Grant/Tender | Title | Programme | ID | Type of action | Deadline model | Opening date | Deadline date |
|--------------|---|--------------------------|---|--|----------------|--------------|--|
| Grant | Coordination of complementary actions for missions | Horizon Europe (HORIZON) | HORIZON-MISS-2021-COOR-01-01 | HORIZON Coordination and Support Actions | single-stage | 22 June 2021 | 14 September 2021 17:00:00 Brussels time |
| Grant | Better prepared regional and local authorities to adapt to climate change | Horizon Europe (HORIZON) | HORIZON-MISS-2021-CLIMA-01-01 | HORIZON Coordination and Support Actions | single-stage | 22 June 2021 | 14 September 2021 17:00:00 Brussels time |
| Grant | Advanced spintronics: Unleashing spin in the next generation ICs (RIA) | Horizon Europe (HORIZON) | HORIZON-CL4-2021-DIGITAL-EMERGING-01-14 | HORIZON Research and Innovation Actions | single-stage | 22 June 2021 | 21 October 2021 17:00:00 Brussels time |

ONE WAY



How to find project partners

Be proactive !
Engage communication!
Look on your network ! And outside !



Own network

- Known partners
- Clients



Partnering events

- Annual Information Day & Brokerage event in Brussels
- Brokerage events organised by the Enterprise Europe Network



Databases of previous and ongoing projects

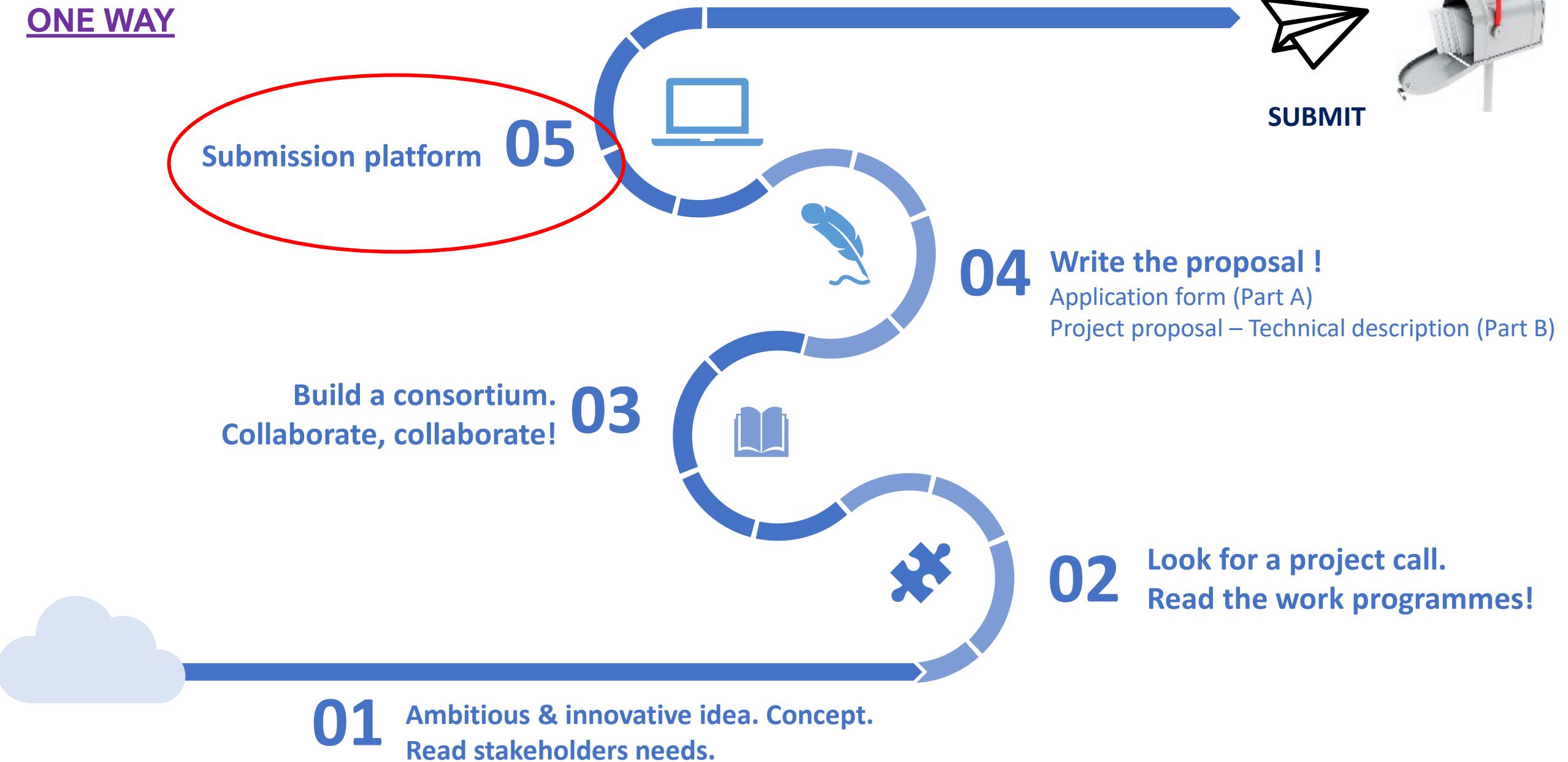
- CORDIS project database
- EIC hub
- Eco-innovation projects
- LIFE projects



Partner search tools

- CORDIS partner search platform
- Enterprise Europe Network cooperation opportunities database

ONE WAY



Friday 18 June 2021 between 22:00 and 22:00 & Saturday 19 June 2021 between 00:00 and 16:00 CET

All documents will be unavailable in the Grants and Audit Management Services, in the Participant Register Services and in "My Expert Area". Please refrain from launching any document-related process, since these will not work and will have to be restarted by the Service Desk. We apologize for any inconvenience this may cause.

The screenshot shows a search interface for funding and tenders. It includes a search bar, filters for 'Match what I've typed only' and 'Tenders', and sections for 'Funding' and 'Tenders'. The 'Funding' section displays three entries:

- Coordination of complementary actions for missions**: Programmes: Horizon Europe (HORIZON), ID: HORIZON-MIS-2021-COORD-01-01, Type of action: HORIZON Coordination and Support Actions. Deadlines: mode, Opening date, Deadline date.
- Better prepared regional and local authorities to adapt to climate change**: Programmes: Horizon Europe (HORIZON), ID: HORIZON-MIS-2021-COORD-01-01, Type of action: HORIZON Coordination and Support Actions. Deadlines: mode, Opening date, Deadline date.
- Advanced aeronautics: Unleashing open in the next generation ICs (HA)**: Programmes: Horizon Europe (HORIZON), ID: HORIZON-CLG-2021-DIGITAL-EMERGING-01-01, Type of action: HORIZON Research and Innovation Actions. Deadlines: mode, Opening date, Deadline date.

1. Select a call/topic
2. Read instruction
3. Access button to portal

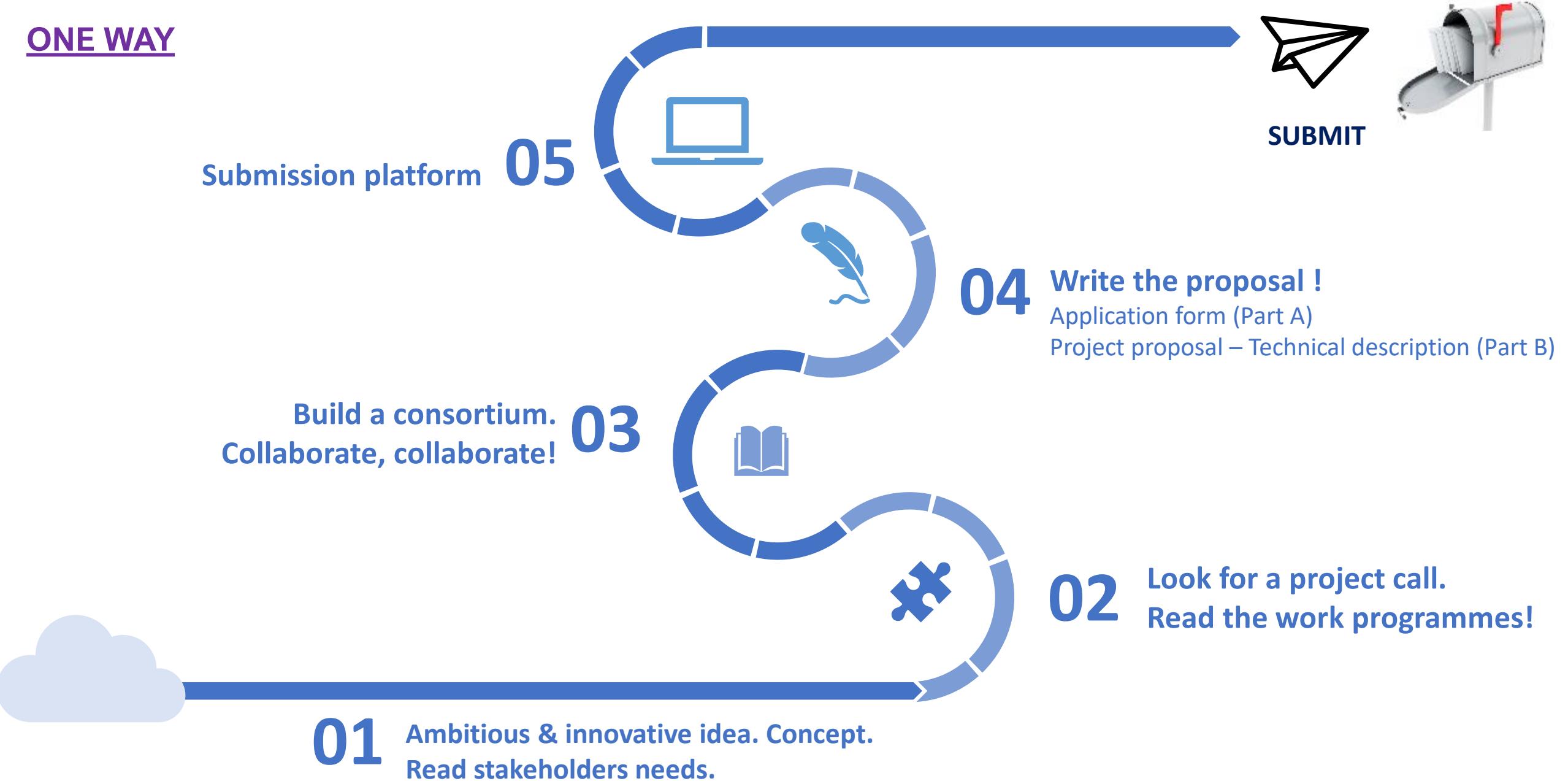
The screenshot shows the 'Create proposal' step of the submission service. It includes:

- Login**: Step 1 of 6.
- Topic selection**: Step 2 of 6.
- Create proposal**: Step 3 of 6 (current step).
- Participants**: Step 4 of 6.
- Proposal Preparation**: Step 5 of 6.
- Submit**: Step 6 of 6.

Create proposal details:

- Deadline**: 19 May 2021 17:00 Brussels Local Time
- Call data**: Call: HORIZON-EIC-2021-PATHFINDEROPEN-01, Topic: HORIZON-EIC-2021-PATHFINDEROPEN-01-01, Type of action: HORIZON-EIC, Type of MDA: HORIZON-AO
- Find your organisation**: Fields for PIC and Short name, and a 'Search for your organisation' button.
- Organisations you have been previously associated with**: A list with PIC: 699468860, WELDING AND QUALITY INSTITUTE INSTITUT DU Soudage ET QUALITE-ISO, TAGUSPARK AVENIDA PROFESSOR DR CARVALHO SILVA 35 TALAÍDE PORTO SALVADOR, VAT: PT500148022.
- Your role**: Indicate role in the proposal (Main contact or Contact person).
- Your proposal**: Fields for Acronym and Short Summary, and a 'SAVE AND GO TO NEXT STEP' button.

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CURIOS ?



GET involved and informed beforehand



AGÊNCIA NACIONAL
DE INOVAÇÃO

Get involved in the R&I priorities discussion

[Grupo Nacional de Discussão do Horizonte Europa
Pilar II & Pilar III](#)

Get informed of all the initiatives, calls and HE hot topics

[Contact List](#)



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