



# Cluster 4

## Digital, Industry and Space



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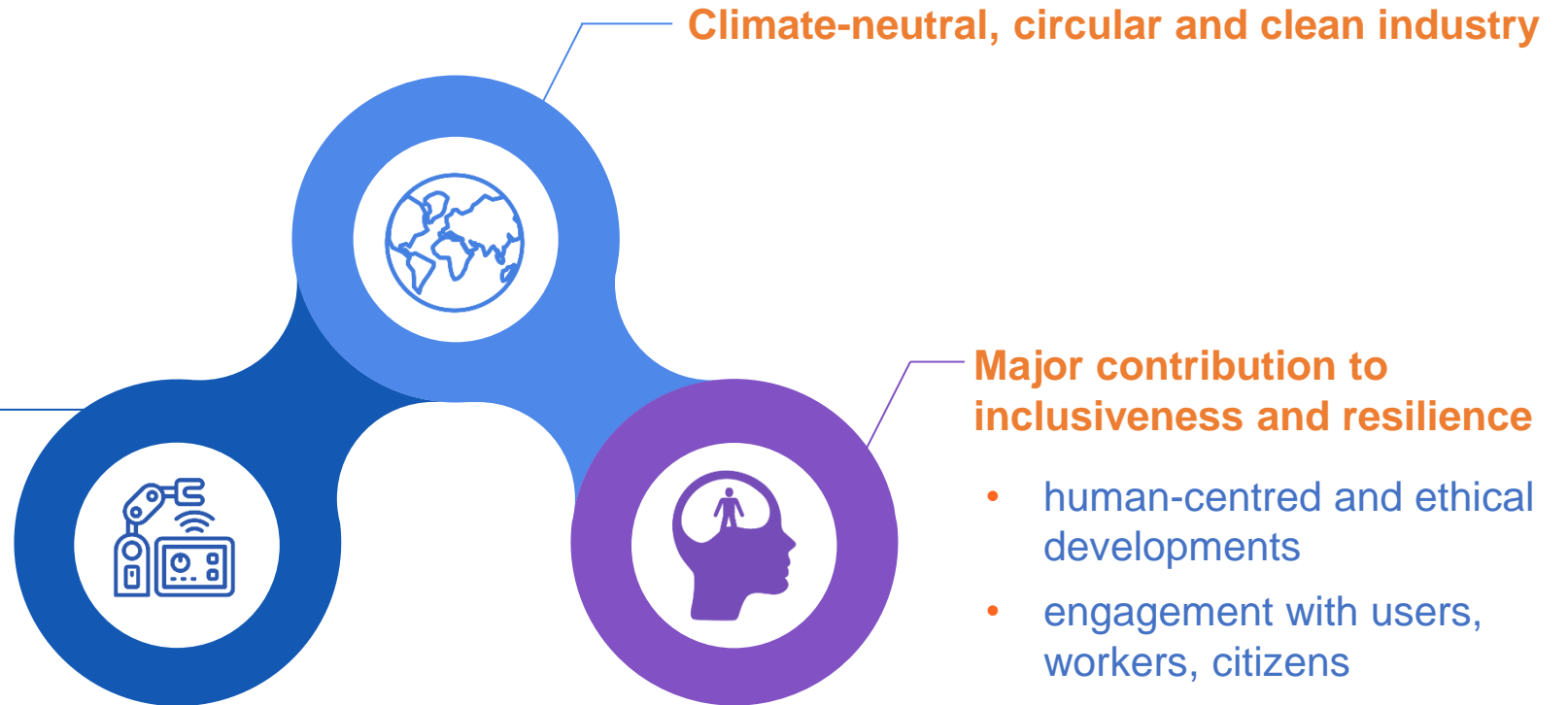
# Cluster 4 - Vision

*Competitive technologies respecting the boundaries of our planet,  
and reflecting human needs*

## Green and digital 'twin' transition

### Industrial and digital transformation

- mastering technologies
- deploying technologies and technology infrastructures
- securing autonomy in strategic value chains



### Major contribution to inclusiveness and resilience

- human-centred and ethical developments
- engagement with users, workers, citizens
- social innovation

# Cluster 4 'Digital, Industry and Space' – Political Priorities



[Action Plan on critical raw materials](#), [Chemical Strategy for Sustainability](#), [Circular Economy Action Plan – For a cleaner and more competitive Europe](#), [European Space Strategy](#)

[European data strategy | European Commission \(europa.eu\)](#)

[A European approach to artificial intelligence | Shaping Europe's digital future \(europa.eu\)](#)

[European Data Governance Act | Shaping Europe's digital future \(europa.eu\)](#)

[Data Act | Shaping Europe's digital future \(europa.eu\)](#)

[European Chips Act | European Commission \(europa.eu\)](#)

[Europe's Digital Decade: digital targets for 2030 | European Commission \(europa.eu\)](#)

# Cluster 4 – Strategic Priorities

## *From EU priorities to Work Programme Destinations*



Cluster 4 directly supports the following three Key Strategic Orientations outlined in the Strategic Plan 2021-2024 ([ec\\_rtd\\_horizon-europe-strategic-plan-2021-24.pdf \(europa.eu\)](#) )

- Promoting an open strategic autonomy by leading the development of key digital, and enabling and emerging technologies, sectors and value chains (A)
- Making Europe the first digitally enabled, circular, climate-neutral and sustainable economy (C)
- Creating a more resilient, inclusive and democratic European society (D)

# Cluster 4 structure– Six Destinations

**Destination 1: Climate neutral, circular, and digitised production**

**Destination 2: A digitised, resource-efficient and resilient industry**

Destination 3: World leading data and computing technologies

Destination 4: Digital and emerging technologies for competitiveness and fit for the green deal

Destination 5: Strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data

**Destination 6: A human-centred and ethical development and industrial technologies**

# HaDEA implements the Horizon Europe Cluster 4

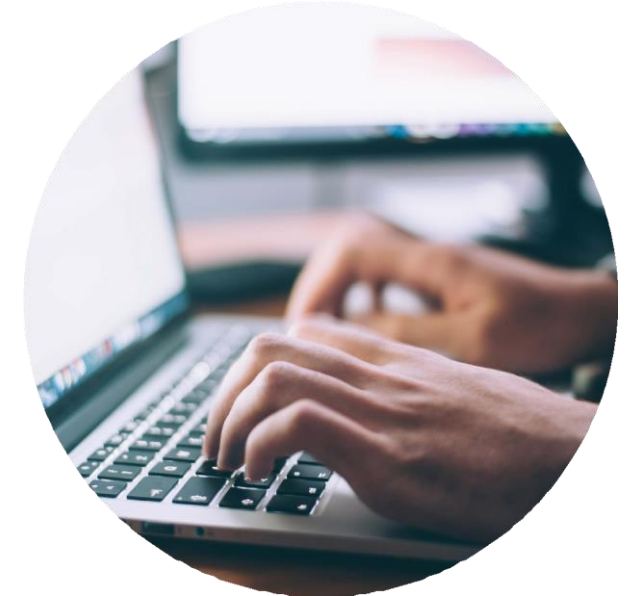


## Funds **projects**:

- Digital: 73 grants, €391,6 million
- Industry: 210 grants, €1,36 billion
- Space: 46 grants, €218,8 million



## Provides **Feedback to Policy**



## Manages the **Horizon 2020 legacy** programmes:

407 projects, €2,68 billion

# Directorates-General (DGs) and HaDEA (DEP B) programme budgets

DGs	<div><div>RTD Research &amp; Innovation</div><div>CNECT Communications Networks, Content &amp; Technology</div><div>GROW Internal market, Industry, entrepreneurship and SMEs</div><div>DEFIS</div></div>
Programmes	<div>Horizon Europe Digital, Industry, Space</div> <div>CEF2 Digital</div> <div>Digital Europe Programme</div>
HaDEA Budget	<div>€6.1 billion</div> <div>€1.7 billion</div> <div>€0.8 billion</div>

# Slovenia's participations in Cluster 4, 2021-22:



CALL (2021 and 2022 combined)	Selected Proposals	Funding	Participations	Coordinators	Beneficiary
INDUSTRY	41( out of 213)	€23.406.825	55 (out of 3008)	3	52
DIGITAL	4 (out of 75)	€ 1.655.452	8	0	8
SPACE	2 (out of 45)	€ 566350	2	0	2
TOTAL	46	€ 25.628.627	65	3	62





# Work Programme 2023-2024 funding opportunities



European  
Commission

# Open calls WP 2023-2024

HORIZON-CL4-2023-SPACE Deadline: 28/3/23	Open strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data
HORIZON-CL4-2023-DATA-01-04 Deadline: 29/3/23	World-leading data and computing technologies
HORIZON-CL4-2023-DIGITAL-EMERGING Deadline: 29/3/23	Digital & emerging technologies for competitiveness and fit for the green deal
HORIZON-CL4-2023-HUMAN Deadline: 29/3/23	A human-centred and ethical development of digital and industrial technologies
HORIZON-CL4-2023-TWIN-TRANSITION Deadline: 20/4/23	Climate neutral, circular and digitized production
HORIZON-CL4-2023-RESILIENCE Deadline: 20/4/23	Increased autonomy in key strategic value chains for resilient industry
HORIZON-CL4-2023-TWIN-TRANSITION-TWO STAGES Deadline: 7/3/23 Deadline: 5/10/2023	Climate neutral, circular and digitized production (two-stage)
HORIZON-CL4-2023-RESILIENCE –TWO STAGES Deadline: 7/3/23 Deadline 5/10/2023	Increased autonomy in key strategic value chains for resilient industry (two-stage)

# Topics on semi conductors (managed by DG CNECT)

## 2023:

- HORIZON-CL4-2023-DIGITAL-EMERGING-01-11 **Low TRL research in micro-electronics and integration technologies for industrial solutions (RIA)**
- HORIZON-CL4-2023-DIGITAL-EMERGING-01-43 **Framework Partnership Agreement for developing large-scale quantum Computing platform technologies (FPA)**
- HORIZON-CL4-2023-HUMAN-01-91 **International Hub for Digital Partnerships in the Indo-Pacific (CSA)**

## 2024:

**HORIZON-CL4-2024-DIGITAL-EMERGING-01-31 Pilot line(s) for 2D materials-based devices (RIA)**



# HOW TO APPLY?



# Funding & Tenders portal

- All participants applying for EU funding must register their organization in the [Participant Register](#) on the Funding & Tenders Portal.
- Application process

The diagram illustrates the application process flow for the Funding & Tenders portal. A large orange arrow at the top contains four sequential steps: 'Find a Call' (yellow button), 'Check conditions for funding' (green button), 'Find partners' (teal button), and 'Submit a proposal' (blue button). Below this, a screenshot of the portal interface shows the search and filter options on the left, the main list of funding opportunities in the center, and a sidebar with navigation links on the right. The 'Open for submission (70)' filter is highlighted with an orange box. The 'Horizon Europe (HORIZON)' option is selected in the programming period dropdown. The 'Conditions and documents' link in the sidebar is also highlighted with an orange box.

**Find a Call** **Check conditions for funding** **Find partners** **Submit a proposal**

**Funding and tenders (1151)**

**Rapid reconfigurable production process chains (Made in Europe Partnership) (IA)**  
HORIZON-CL4-2022-TWIN-TRANSITION-01-01

Programme	Horizon Europe (HORIZON)	Status	Closed
Type of action	HORIZON Innovation Actions	Deadline model	single-stage
Opening date	12 October 2021	Deadline date	30 March 2022 17:00:00 Brussels time

**Intelligent work piece handling in a full production line (Made in Europe Partnership) (RIA)**  
HORIZON-CL4-2022-TWIN-TRANSITION-01-04

Programme	Horizon Europe (HORIZON)	Status	Closed
Type of action	HORIZON Research and Innovation Actions	Deadline model	single-stage
Opening date	12 October 2021	Deadline date	30 March 2022 17:00:00 Brussels time

**Circular flows for solid waste in urban environment (Processes4Planet Partnership) (IA)**  
HORIZON-CL4-2022-TWIN-TRANSITION-01-10

Programme	Horizon Europe (HORIZON)	Status	Closed
Type of action	HORIZON Innovation Actions	Deadline model	single-stage
Opening date	12 October 2021	Deadline date	30 March 2022 17:00:00 Brussels time

**General information**

- Topic description
- Destination
- Conditions and documents**
- Submission service
- Topic related FAQ
- Get support
- Call updates**

**European Commission**



# Who is eligible for funding?



## ***EU COUNTRIES***

- Member States (MS) including their outermost regions.
- The Overseas Countries and Territories (OCTs) linked to the MS.



## **NON-EU COUNTRIES**

- Countries associated to Horizon Europe (AC).
- Low and middle income countries: See [HE Programme Guide](#).
- Other countries when announced in the call or exceptionally if their participation is essential.



## **SPECIFIC CASES**


- Affiliated entities established in countries eligible for funding.
- EU bodies
- International organisations (IO):
  - International European research organisations are eligible for funding.
  - Other IO are not eligible (only exceptionally if participation is essential)
  - IO in a MS or AC are eligible for funding for Training and mobility actions and when announced in the call conditions.

# Admissibility & Eligibility

## *Admissibility*

- Applications must be **complete** and contain all parts and mandatory annexes and supporting documents.
- Applications must be **readable, accessible and printable**.
- Applications must include a **plan for the exploitation and dissemination of results including communication activities** (n/a for applications at the first stage of two-stage procedures or unless otherwise provided in the specific call conditions).
- Specific **page limits** per type of action normally apply (specified in the topic conditions and controlled by IT tool).
- Blind Evaluation - **Disclosure of applicants' identity**

## *Eligibility*

- Eligible activities are the ones described in the call conditions.
- **Minimum number of partners** as set out in the call conditions (at least one independent legal entity established in a MS, and, at least two other independent legal entities established either in a MS or AC).
- For calls with deadlines in 2022 and onwards participants that are public bodies, research organisations or higher education establishments from Member States and Associated countries must have a gender equality plan (GEP) in place.
  -  The GEP is not part of the evaluation criteria.  
The existence of a GEP is checked if your proposal is invited to a grant agreement procedure.
- Other criteria may apply on a call-by-call basis as set out in the call conditions. In few cases, the call conditions in the topic can modify the interpretation of criteria.

# WP2023/2024: NOVELTIES!!!!

## LUMP SUMS:

- Template and guidance documents available in **GOFUND**
- Evaluation of proposals against standard evaluation criteria of HE . Cost estimation will be assessed under « **Implementation** » criteria
- Experts will ensure that:
  - cost estimation is reasonable and non excessive
  - That resources proposed and the split of lump sum allow completing the activities described in the proposal
  - Overestimation of costs leads to a decrease of score

**BLIND EVALUATION:** The 'blind evaluation' approach means that at stage one of the evaluation process the applicants' identity will not be revealed to the experts. The second stage, in which full proposals are submitted, will not be anonymised though.



# Submission and evaluation of lump sum proposals

- Use the **standard proposal template**
- Describe in detail the activities covered by each work package.
- To define and justify the lump sum, you need to provide detailed breakdown of cost estimations. The estimates must be an approximation of your actual costs and meet the basic eligibility criteria of Horizon Europe.
- You find the **MS Excel template to prepare your detailed costs estimations** in the submission tool.
- The cost estimations are used to **generate automatically a breakdown of lump sum shares per work package and per participant** (i.e., beneficiaries and affiliated entities, if any).

# Evaluation (award) criteria

## Three evaluation criteria – equally important!

‘**Excellence**’, ‘**Impact**’ and ‘**Quality and efficiency of the implementation**’.

(Only two evaluation criteria - first stage of two-stage calls)

- Evaluation criteria are **adapted** to each **type of action**, as specified in the WP;
- Each criterion includes the ‘**aspects to be taken into account**’. The same aspect is not included in different criteria, so it is not assessed twice;
  - ✓ Follow Application **Template Part B instructions** as well as the **topic requirements!**
  - ✓ See **General Annexes** section D - Award criteria!
- For **Innovation Actions**, the criterion **Impact** is given a **weight of 1.5** to determine the ranking.

## DO

- Read carefully the Work Programme & Frequent Asked Questions;
- Regularly check for topic updates on F&T portal;
- Pay attention to Call/Topic Conditions;
- Follow the templates provided in the Submission System;
- Read the evaluation criteria (HE General Annexes);
- Submit as many times you wish;

## DON'T

- Don't include activities not eligible for funding;
- Proposed activities should have an exclusive focus on civil applications;
- Don't forget to mark "resubmission" when relevant;
- Do not add information where it does not belong;
- Don't wait until the last minute;
- Blind evaluation – do not disclose applicants' identity;



# Remain connected

## HaDEA

 [hadea.ec.europa.eu](https://hadea.ec.europa.eu)

 [@EU\\_HaDEA](https://twitter.com/EU_HaDEA)

 [European Health and Digital  
Executive Agency](https://www.linkedin.com/company/european-health-and-digital-executive-agency)

## European Commission

 [ec.europa.eu](https://ec.europa.eu)

 [@EU\\_Commission](https://twitter.com/EU_Commission)

 [European Commission](https://www.linkedin.com/company/european-commission)

 [EuropeanCommission](https://www.medium.com/european-commission)

 [europeancommission](https://www.instagram.com/europeancommission)

 [EUTube](https://www.youtube.com/EUTube)

 [EuropeanCommission](https://www.facebook.com/EuropeanCommission)

 [EU Spotify](https://open.spotify.com/eu-spotify)



# Thank you!

## # HorizonEU

<http://ec.europa.eu/horizon-europe>



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