Inspiration för finansierings- och innovationsmöjligheter inom digitalisering i ett internationellt sammanhang

Photo by Nareeta Martin on Unsplash

Del 1: 9:00 – 9:55

- Välkomna
- Horisont Europa
  - Kluster 1 – Hälsa
  - Kluster 3 – Civil säkerhet för samhället
  - Kluster 4 – Digitala frågor, industri och rymden
  - Kluster 5 – Klimat, energi och mobilitet
  - Missions
- Inspirationssamtal
- Frågestund
- Bensträckare (9:55 – 10:00)

European Commission

Syfte: Att inspirera om finansierings- och innovationsmöjligheterna inom digitalisering i Horisont Europa

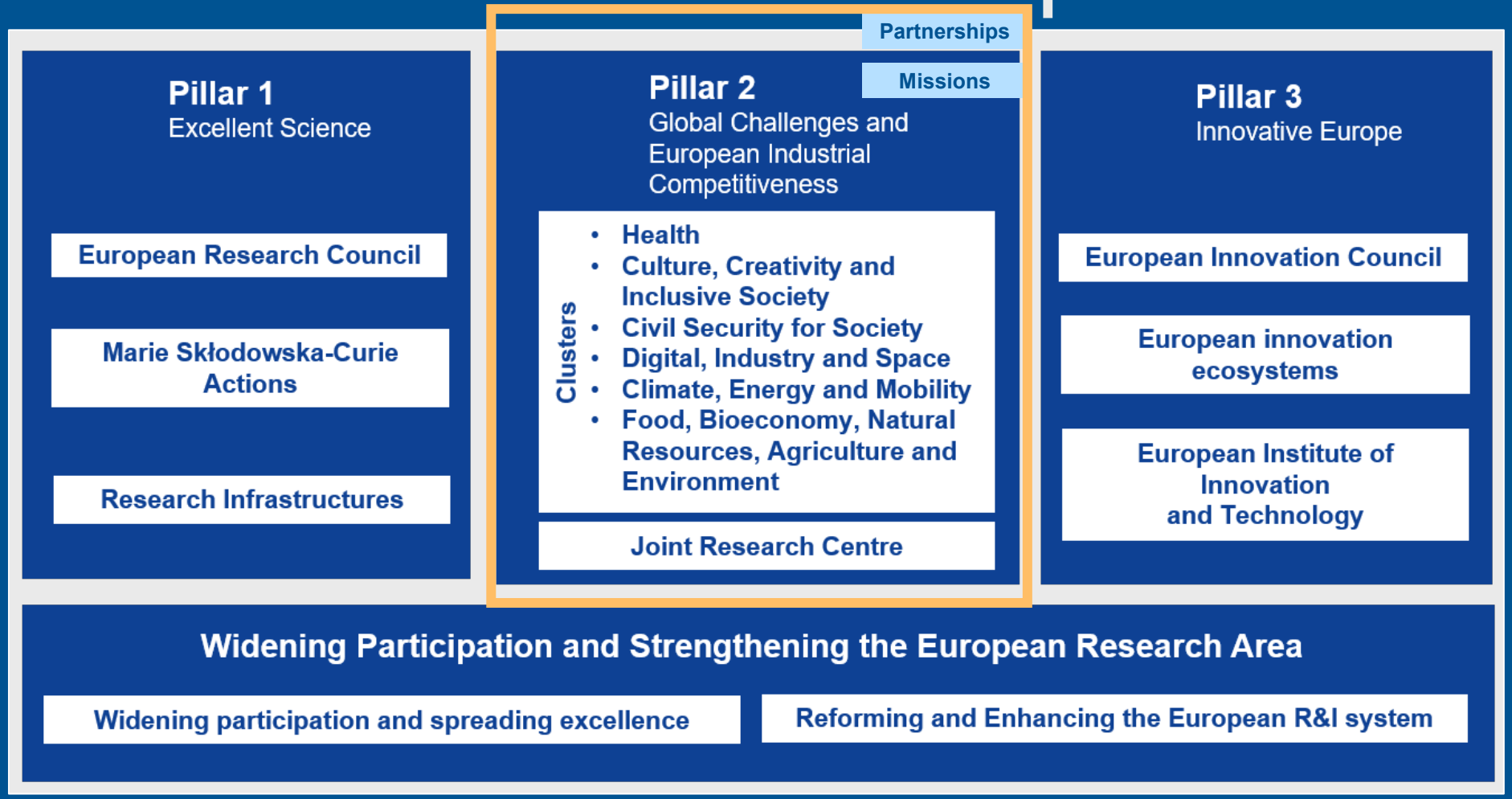
Del 2: 10:00 – 10:30

- Eureka
  - Tematiska kluster
  - Eurostars
- Vinnovas utpekade länder
- Frågestund
- Avslut

Syfte: Att inspirera om finansierings- och innovationsmöjligheterna inom digitalisering bortom ”Europas” gränserna

European Commission

Horizon Europe



~95 billion euro

European Commission

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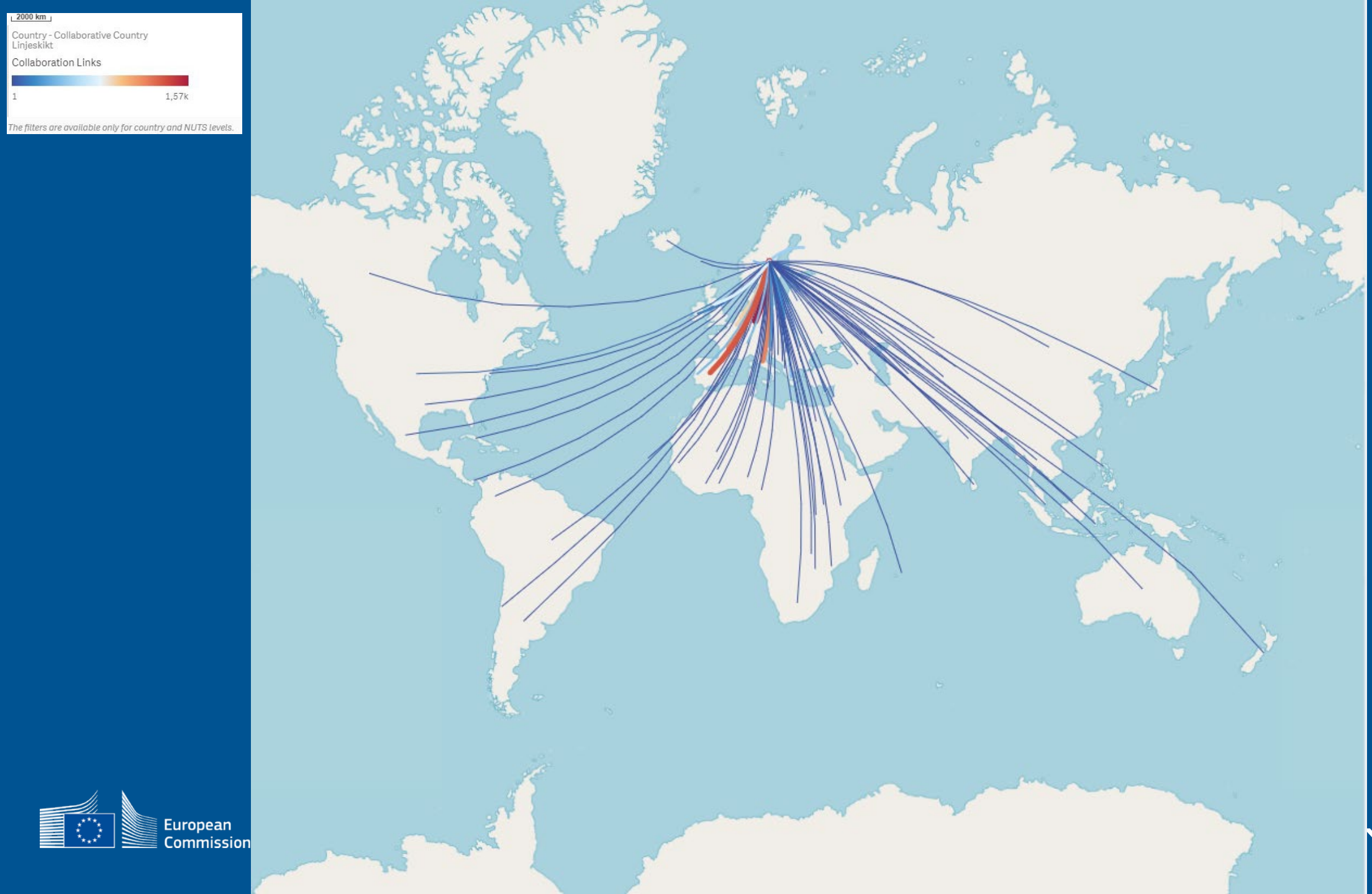
International cooperation in Horizon Europe Work Programme 2023-24

	Topics total	Topics (ex Other Actions)	International cooperation encouraged	International cooperation encouraged %
Cluster 1: Health	53	44	7	16%
Cluster 2: Culture, creativity and inclusive society	66	56	15	27%
Cluster 3: Civil Security for Society				
Cluster 4: Digital Industry and Space	159	130	22	17%
Cluster 5: Climate, Energy and Mobility	219	191	38	20%
Cluster 6: Food, Bioeconomy, Natural resources, agriculture, and environment	189	179	51	28%

European Commission

List of Participating Countries in Horizon Europe Complementary funding to third countries



European Commission

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European Commission

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The digital transformation of health and care

Aims

- High quality digital services for all
- help to increase the capacity of health care systems
- deliver more personalised and effective health and care
- less resource wasting

European Commission

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Topics- call examples

- Expanded **access to health data**, and innovative digital services for high-quality health and care across the EU.
- Innovations in the health sector **leverage new solutions** such as AI and big data
- European Health Record (EHR) stakeholders have at their disposal standards, guidelines, and toolsets for prioritised health information domains **to address interoperability, security and privacy**
- Data Users (researchers, innovators, regulators, policymakers, clinicians) are able to **identify the most relevant datasets** that meet their specific needs for digital solutions in a healthy society
- Researchers, innovators and healthcare professionals benefit from **better linkage of health data** from various sources and have **access to advanced digital tools**

Digital health calls cluster 1

Destination 1

HORIZON-HLTH-2024-STAYHLTH-01-05-two-stage: Personalised prevention of non-communicable diseases - addressing areas of unmet needs using multiple data sources

Destination 5

HORIZON-HLTH-2023-TOOL-05-04: Better integration and use of health-related real-world and research data, including genomics, for improved clinical outcomes

HORIZON-HLTH-2023-TOOL-05-09: Developing a Data Quality and Utility Label for the European Health Data Space

Destination 6

HORIZON-HLTH-2023-IND-06-02: Expanding the European Electronic Health Record exchange Format to improve interoperability within the European Health Data Space

The Digital Europe Programme (DIGITAL) – Includes also health topics

Horizon Europe

Cluster 3 - Civil Security for Society

"As an overarching priority, effective support will be provided to practitioners, law enforcement agencies, first responders and other public authorities or private entities which are ensuring the security of European citizens, infrastructures and assets in general."

Cluster 3 - Civil Security for Society

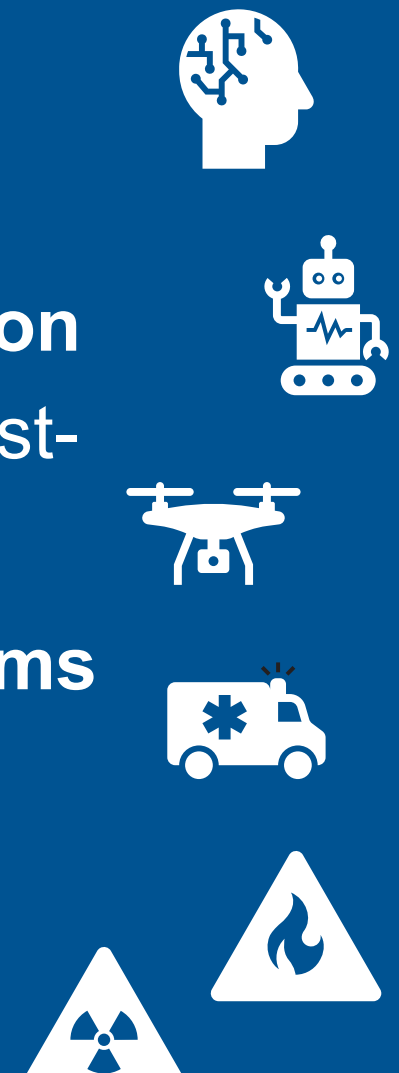
1. Better protect the EU and its citizens **against** **crime and terrorism**
2. Effective **management** of EU external **borders**
3. Resilient **infrastructure**
4. Increased **cybersecurity**
5. **Disaster-resilient** society for Europe

Topics – calls exampels

- **Processing of large, complex and unstructured datasets** resulting from criminal investigations, while reconciling big data analysis and data protection
- **Interoperability of systems and equipment** at tactical level; between equipment and databases; and/or between databases of threats and materials
- **Advanced real-time data analysis** used for infrastructure resilience
- **Secure Computing Continuum** (IoT, Edge, Cloud, Dataspaces)

Topics – calls exampels

- Security of **robust AI systems**
- Increased **technology solutions, institutional coordination and decision-support systems for first responders** of last-kilometer emergency service delivery
- Robotics: **Autonomous or semi-autonomous UGV systems** to supplement skills for use in hazardous environments



Access the Work programme 2023-2024 here

Global Challenges and European Industrial Competitiveness

Boosting key technologies and solutions, underpinning EU policies and Sustainable Development Goals

Health

Culture, Creativity and Inclusive Society

Civil Security for Society

Digital, Industry and Space

Climate, Energy and Mobility

Food, Bioeconomy, Natural Recources, Agriculture and Environment

Joint Research Centre

European Commission

VINNOVA

Global Challenges and European Industrial Competitiveness

Cluster 4

VINNOVA

Digitalisation is everywhere

Core and generic digital technologies -> Digital, Industry & space

Demonstrate viability somewhere, but don't loose sight of the generic usability

Being an enabling technology means that it is present in all clusters !!

1. Health – Medical technologies, patient data, AI for health, personalized health care …
2. Culture, creativity, Inclusive Society – eGoverment, access to cultural heritage, digitization of creative sector …
3. Civil security for society – cyber crime, critical infrastructure protection, digitization of rescue services, …
5. Climate, Energy, Mobility – Smart Energy Grids, Autonomous vehicles, climate observation technologies, …
6. Food, Bioeconomy, Natural Recources, Agriculture and Environment – Digitisation of agriculture …

Cluster 4 - Destinations

- **Destination 1**: Climate neutral, circular and digitised production
- **Destination 2**: Increased Autonomy in Key Strategic Value Chains for Resilient Industry
- **Destination 3**: World leading data and computing technologies
- **Destination 4**: Digital and emerging technologies for competitiveness and fit for green deal
- **Destination 5**: Strategic autonomy in developing, deploying and using global space-based infrastructure, services, applications and data
- **Destination 6**: A human-centered and ethical development and industrial technologies

Other funding programs …

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Start > Finansiering > Hitta finansiering

Energimyndigheten FORMAS FORTE Rymdstyrelsen Swedish National Space Agency VINNOVA Sveriges innovationsmyndighet Vetenskapsrådet

European Commission | Funding & tender opportunities

Single Electronic Data Interchange Area (SEDIA)

34 active programmes and counting …

TECH

European Union
European Regional Development Fund

Join the SMART SPECIALISATION PLATFORM

#EU4Health Programme
Our biggest-ever investment in public health

European Commission

Internal Security Fund

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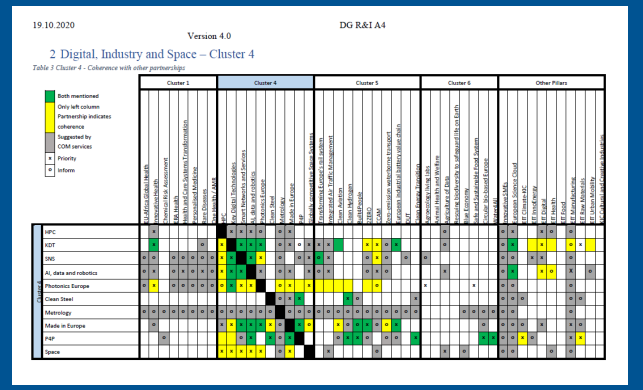
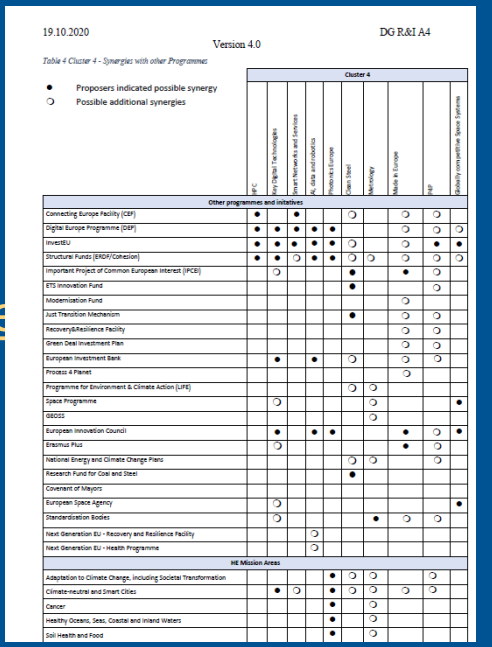
Matrix on opportunities

- Digital technologies vs Partnership programmes
  - Example:
    - Partnership program EU-Africa Global Health
    - Smart Network & Services and AI, data & robotics
- Digital technologies vs other EU-programmes
  - Example:
    - EU-programme Connect Europe Facility (CEF)
    - High Performance Computing, connecting HPC-sites
- Document on synergies on-line
  - https://research-and-innovation.ec.europa.eu/system/files/2020-10/ec_rtd_cohere synergies-of-ep-under-he_annex.pdf





European Commission

Cluster 5 Climate, Energy and Mobility

Accelerating green and digital transformation of economy, industry and society achieving climate neutrality in Europe by 2050

Destination 1
Climate sciences and responses

Destination 2
Cross-sectoral solutions for the climate transition

Destination 3
Sustainable, secure and competitive energy supply

Destination 4
Efficient, sustainable and inclusive energy use

Destination 5
Clean and competitive solutions for all transport modes

Destination 6
Safe Resilient Transport and Smart Mobility services for passengers and goods

Digitalisation and internationalisation in Cluster 5 Climate, Energy and Mobility

To find a topic of your interest in the work programme for 2023-2024:

- wp-8-climate-energy-and-mobility_horizon-2023-2024_en.pdf (europa.eu)

Make a search for e.g., digital, digitalisation, digital twin, international cooperation – or any key word that are of your interest.

Participants from international low- to middle-income countries are automatically eligible for funding in Horizon Europe: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

Also, the global initiative Mission Innovation catalyse actions to, among other things, make clean energy affordable. Mission Innovation – Catalysing Clean Energy Solutions for All (mission-innovation.net)

Contact information for Cluster 5

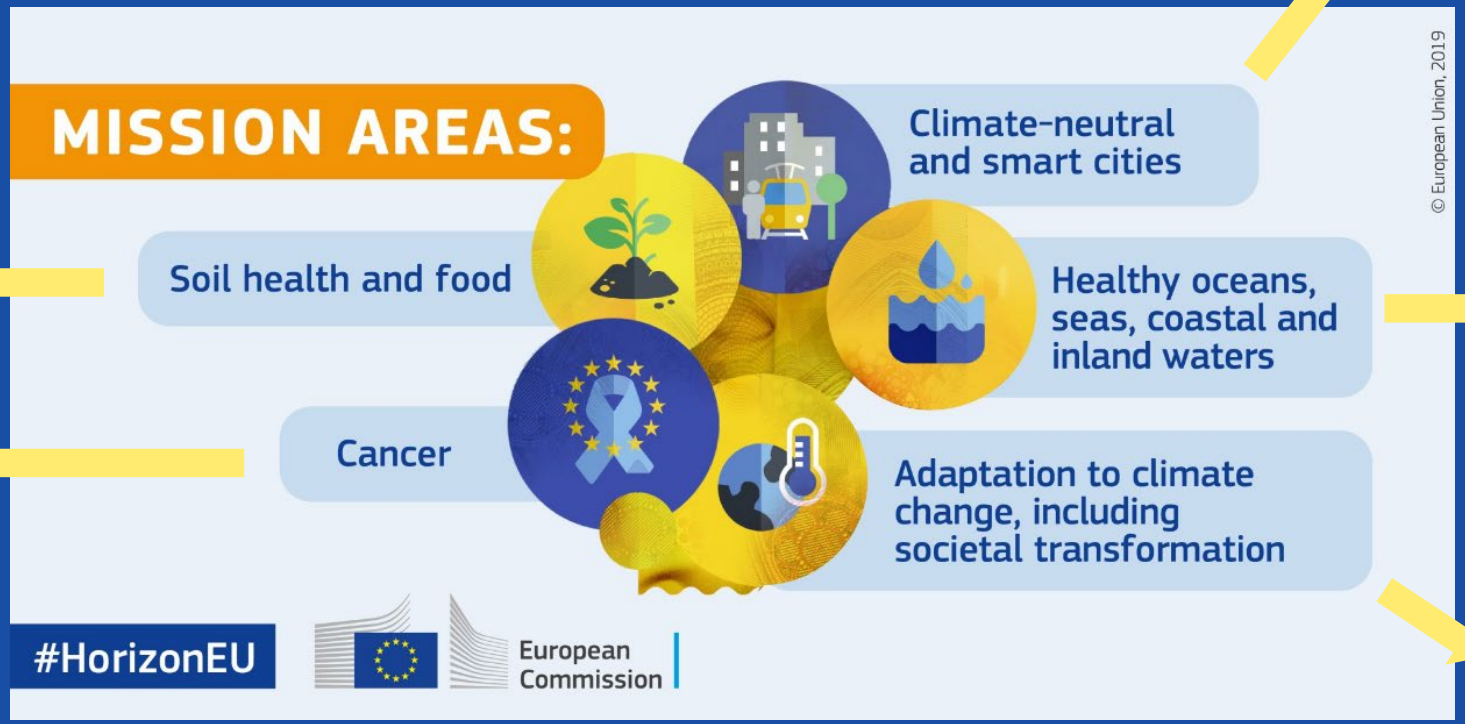
Cluster 5 area:	**National Contact Person, NCP:**
Main NCP and Mobility:	Annika Strömdahl (Vinnova) Annika.stromdahl@vinnova.se
Energy:	Alexandro Caruso (Energimyndigheten) Alexandro.caruso@energimyndigheten.se
Climate:	Sule Karamik (Formas) sule.karamik@formas.se

EU Missions

Tackling societal challenges with systemic solutions, leading to societal transformations and social impact.

Digital twins of Positive clean Energy Districts (PED)

Digital tools in primary production and food industries

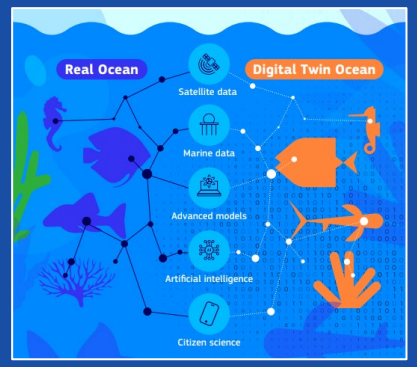


Digital twin ocean & local digital twins

Digital transformation of research, innovation and health systems

Digital monitoring solutions

VINNOVA



Digital twin Ocean

Digital knowledge system providing access to vast amounts of data, models, artificial intelligence and other tools, which will allow the replication of the properties and behaviours of marine systems, including ocean currents and waves, marine life and human activities, and their interactions, in and near the sea.

HORIZON-MISS-2023-OCEAN-01-08: Integration of socio-ecological models into the Digital Twin Ocean (RIA)

HORIZON-MISS-2023-OCEAN-01-09: Roadmap towards the integration of inland waters into the Digital Twin Ocean (CSA)

Deadline date 20 September 2023 17:00:00

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Eureka

“There’s a way to do it better. Find it.”

Thomas Edison

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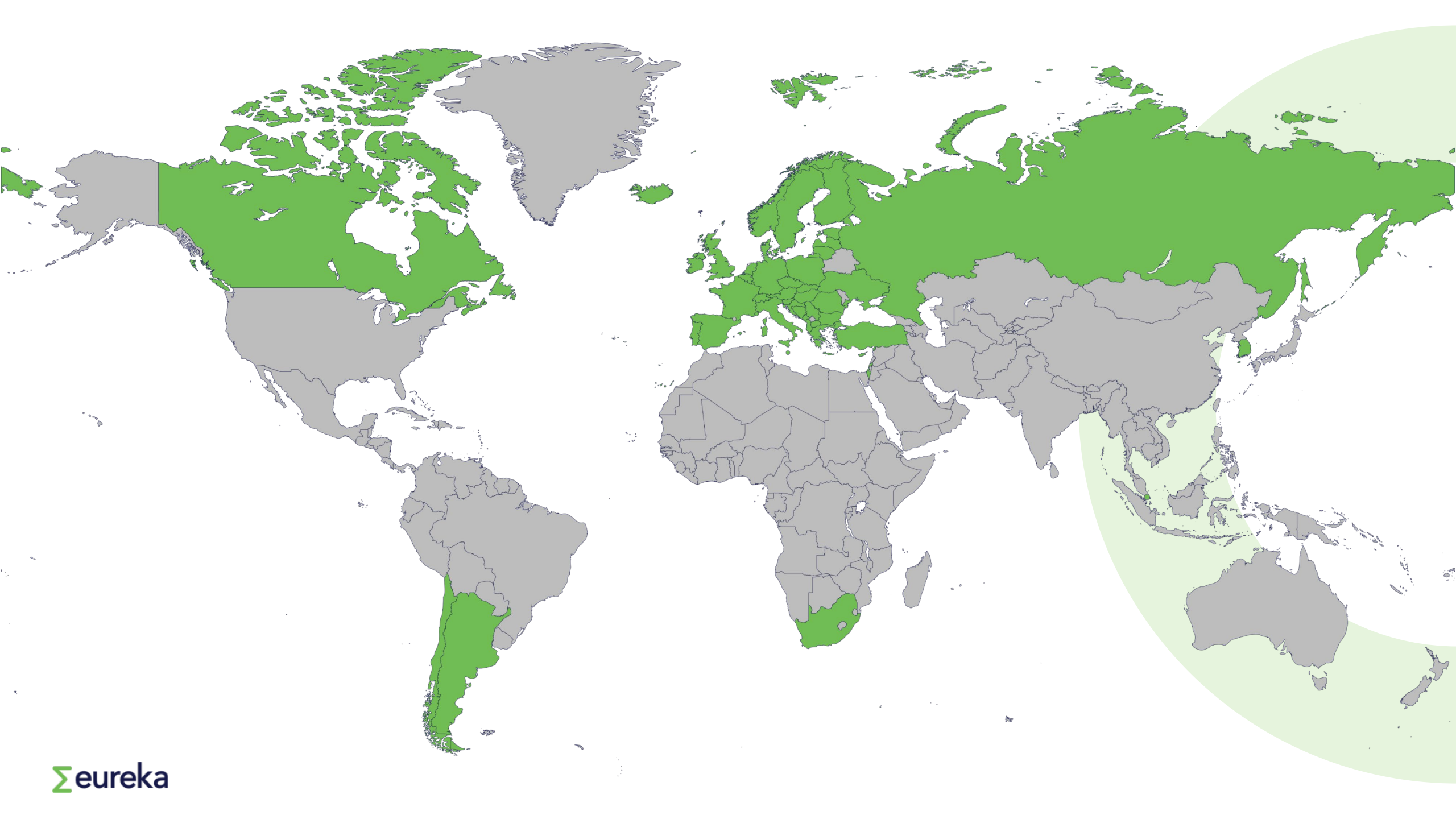
innovation beyond borders



Eureka

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SWEDEN

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Eureka in Sweden

COLLABORATION FOR INDUSTRIAL RESEARCH AND DEVELOPMENT

EUREKA is a programme aimed at strengthening the competitiveness of European industry on the world market and creating collaborations between companies and researchers in the participating countries. The programme finances market-oriented project for the development of new products, services and processes.

- Vinnova is the national contact authority for EUREKA in Sweden, finances and administers funding for Swedish actors.
- Vinnova offers information and the opportunity to apply for funding for Swedish participants in EUREKA projects.
- Vinnova allocates around 200 MSEK per year for the EUREKA collaboration, mostly in the programs Eureka clusters (100 MSEK) and Eurostars (100 MSEK).

EUREKA | Calls for projects (eurekanetwork.org)

EUREKA | Collaboration for industrial research and development | Vinnova

VINNOVA

Our funding programme

- Eurostars
- Clusters
- Globalstars
- Network Projects

Clusters

Thematic communities

Eureka clusters

CALL 2022-2023

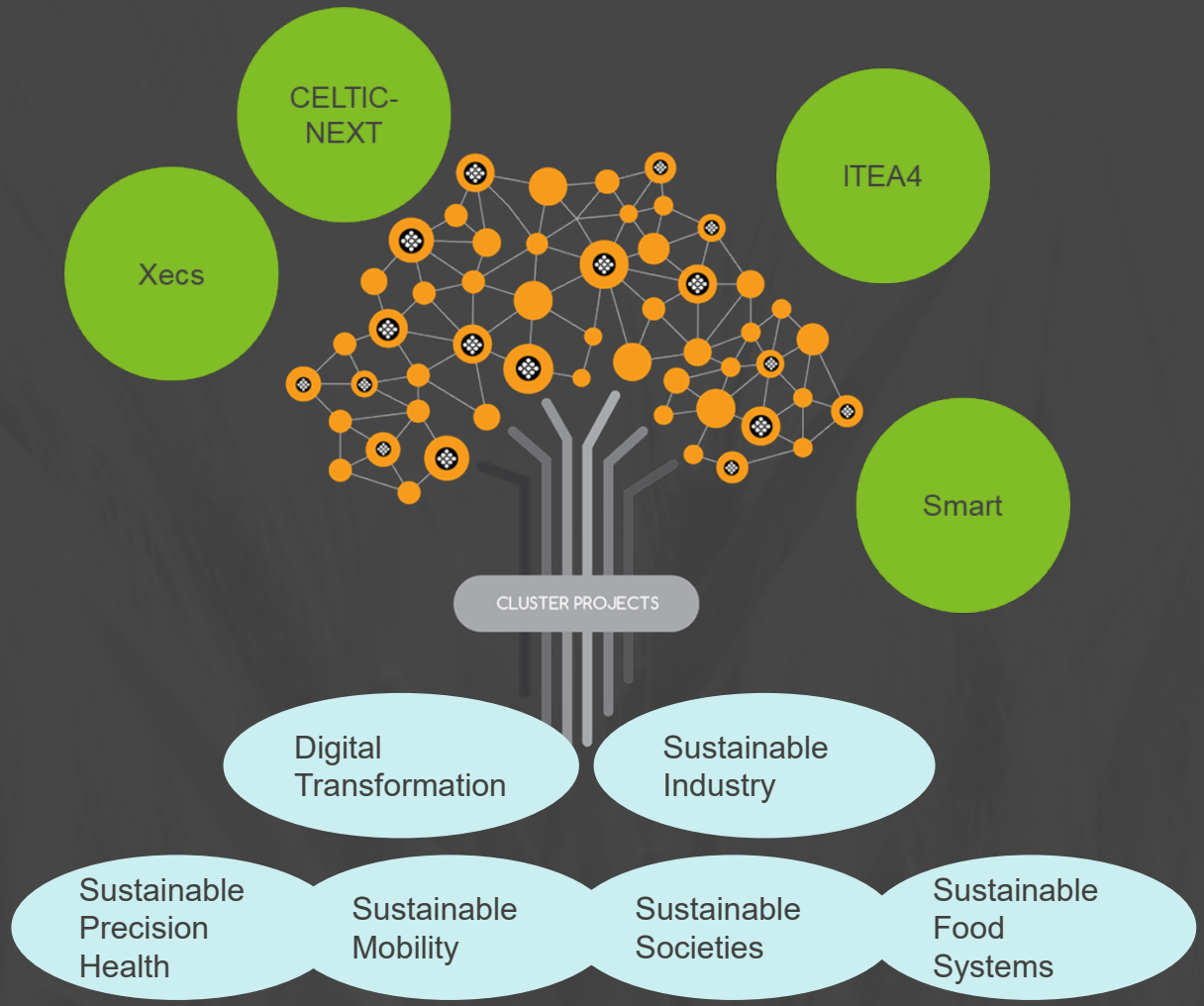
Who can apply?

- SMEs, Large companies and Universities and Research Institutes in Europe and beyond who share the same goals and have national funding available to organisations who apply through the cluster programmes.
- At least 2 project participants from 2 countries.

What can you apply for?

- Development of innovative products, services and processes in thematic areas the clusters focus on.
- Project duration up to 36 months.

[Eureka clusters fund international industrial cooperation | Vinnova]



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Eureka clusters

CALL 2022-2023

How much can you apply for?

- 5-15 MSEK per project from Vinnova to Swedish participants
- SMEs 50% of costs. Large companies 30%. Universities and Research Institutes 100%
- Max 50% of the entire Swedish consortium's eligible costs

Open calls:

- Celtic-Next: Opened 24 jan 2023
- Smart: Opened. Closes 03 may 2023
- Xecs: Opened. Closes 23 feb 2023

Closed calls:

- ITEA 4: Closed 15 nov 2022

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Eureka

“There’s a way to do it better. Find it.”

Thomas Edison

Eureka

“If you want to go fast, go alone. If you want to go far, go together.”

Who is Eurostars for?

- Startups and SMEs
- Research organisations
- Large companies
- Universities

What about the funding?

- Startups and SMEs
- Research organisations
- Large companies
- Universities

Flexible

eureka

Eurostars

For innovative SMEs

eureka

Benefits

- Access new markets
- Revenue growth
- Knowledge transfer
- Long-term business relationships

Eureka

Start here

- Eureka | Eligibility criteria (eurekanetwork.org)

Eureka

EUSME

- Funded by the Swedish Agency for Growth (Tillväxtverket), Vinnova and the Swedish Energy Agency (Energimyndigheten)
- Aims to increase the participation of Swedish SMEs in Horizon Europe and Eurostars
- Offers free expert advice
- Available all over Sweden, has broad industry expertise and extensive experience in both business coaching and EU applications
- You get a contact person.

eu SUPPORT sme

eureka innovation beyond borders

Eurostars

Helpdesk

Kontakta oss med din frågeställning så noggrant formulerad som möjligt.
Ange dina kontaktuppgifter med namn, företag, ort och telefonnummer.
Vi svarar dig inom 48 timmar.

www.eusme.se/kontakt/

VINNOVA

Pioneer the possible.

Vinnova

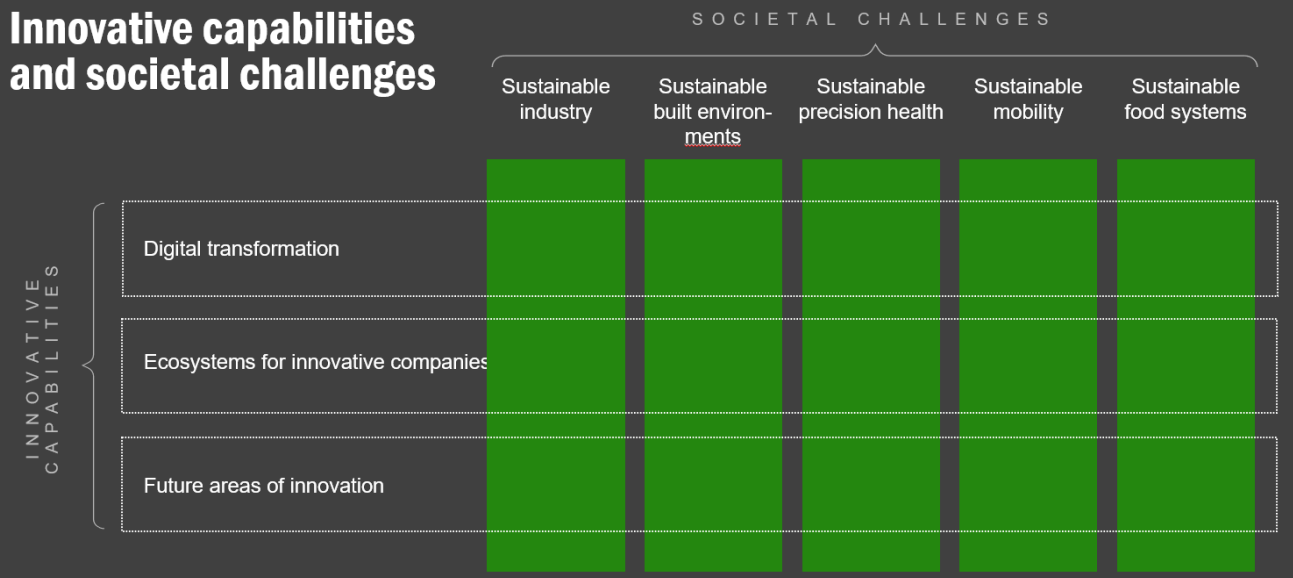
Vinnovas
International Work
VINNOVA

Vinnovas presence abroad

Vinnovas presence abroad

Vinnovas Strategic Countries
Canada
Germany
Switzerland
France
Israel
South Korea
China
Japan
USA
India
Brazil

11 countries meet 8 areas, how?



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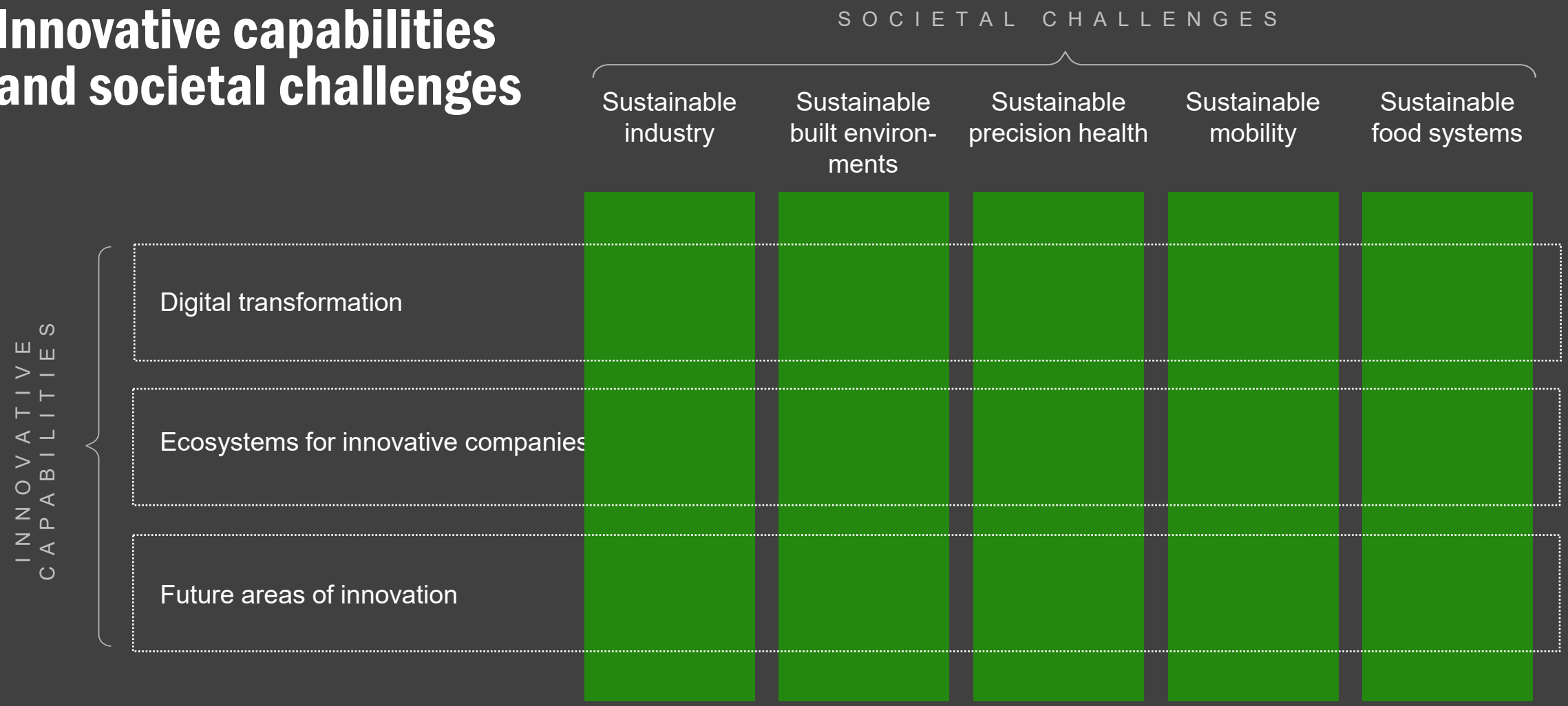
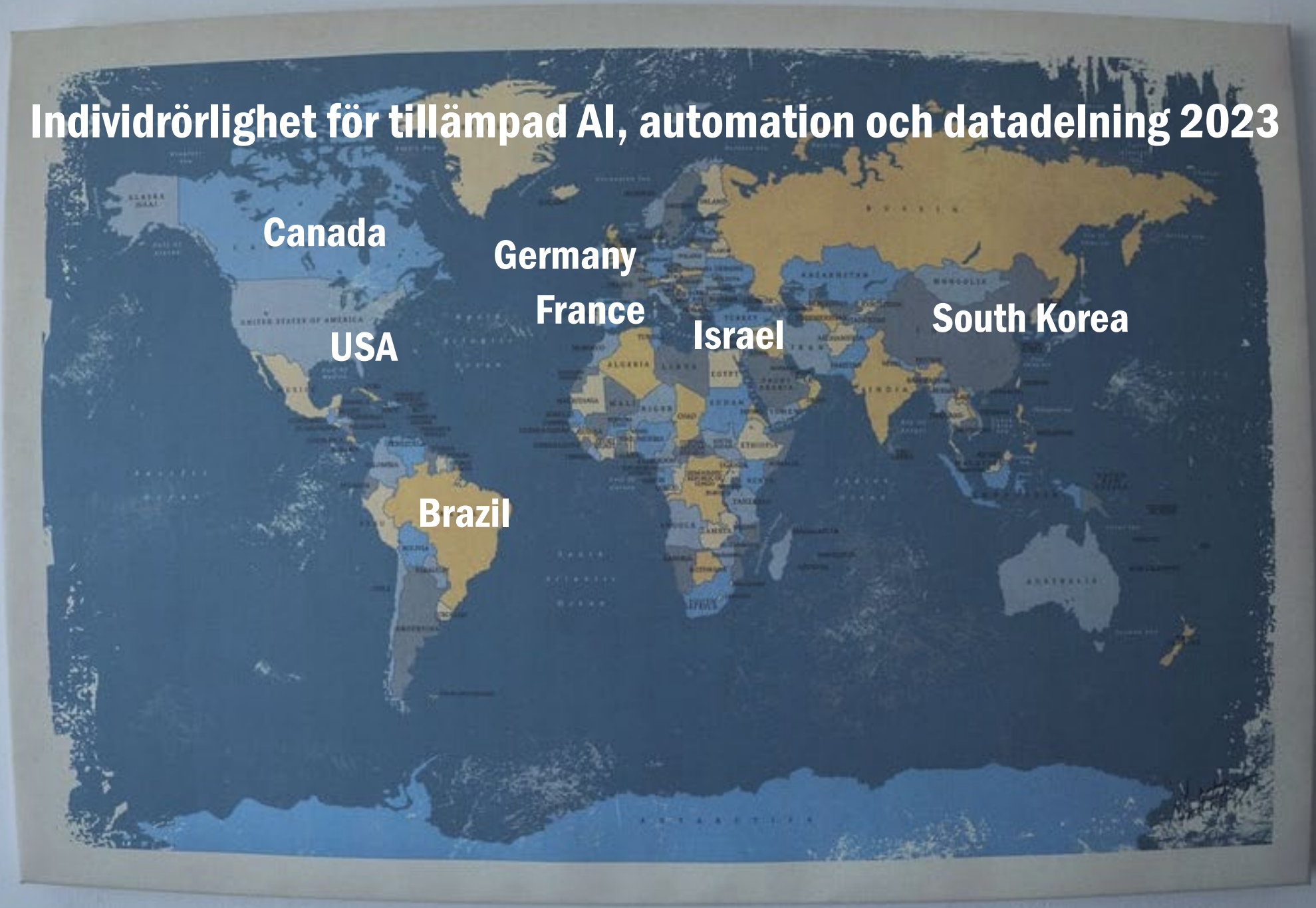
Innovative capabilities and societal challenges



Individrörlighet för tillämpad AI 2023

VINNOVA

Individrörlighet för tillämpad AI, automation och datadelning 2023



Våra kontaktuppgifter

Horisont Europa

Kluster 1 – Hälsa
Marie Vaadre
marie.vaadre@vinnova.se

Kluster 3 – Civil säkerhet för samhället
Åsa Fritzon
asa.fritzon@vinnova.se

Kluster 4 – Digitala frågor, industri och rymden
Jeannette Spühler
jeannette.spuhler@vinnova.se

Kluster 5 – Klimat, energi och mobilitet
Annika Strömdahl
annika.stromdahl@vinnova.se

Missions – Laura Plant
laura.plant@vinnova.se

Eureka

Eureka
Frédéric Pillot
frederic.pillot@vinnova.se

Eurostars och Vinnovas utpekade länder
Kim Silvasti
kim.silvasti@vinnova.se

European Commission

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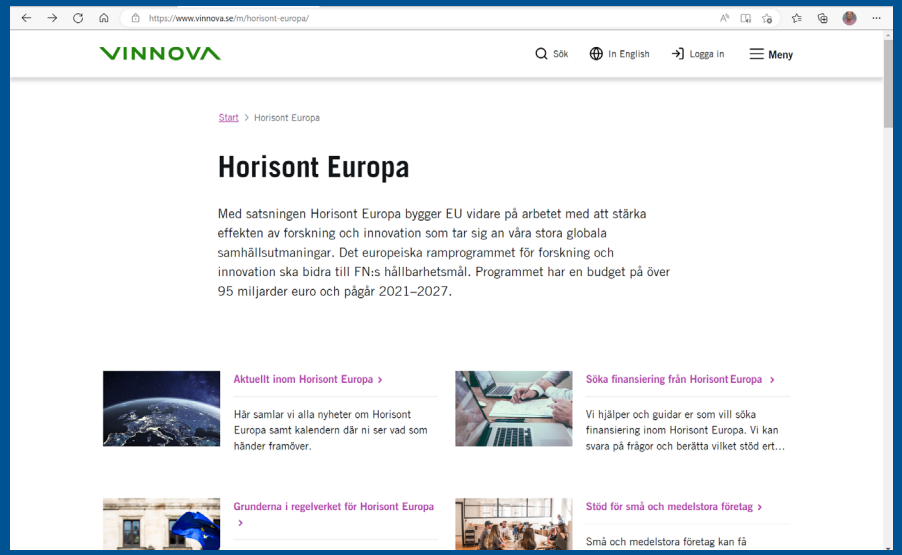

Mer information om Horisont Europa:
[Horisont Europa | Vinnova]

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http://www.eurekanetwork.org

enterprise europe network

Enterprise Europe Network

European Commission

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www.vinnova.se

Prenumerera på nyhetsbrevet om Horisont Europa

VINNOVA