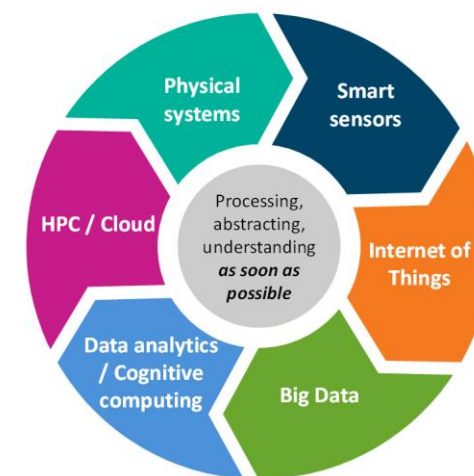


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Transcontinuum – Collaboration

- Strengthen R&I in Europe to support Digital Continuum - infrastructure
- Define set of research focus areas/topics requiring interdisciplinary actions
- Horizontal collaboration between 7 European Associations/Networks of scientists



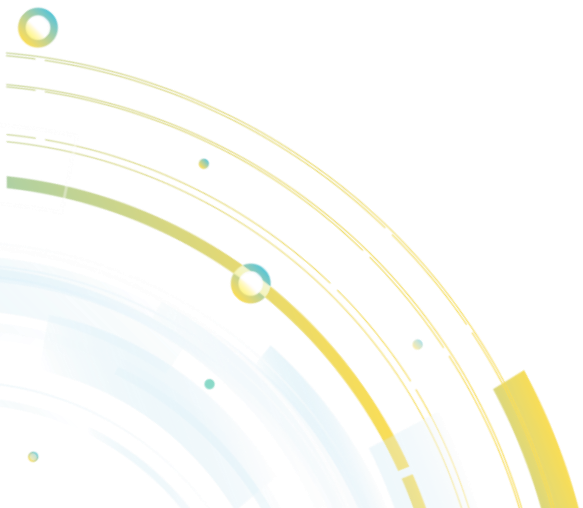
Scope and objectives of the Transcontinuum Initiative (“TCI”)



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- Identify priorities and recommendation for European R&I workprogrammes
- Interlock with European R&I funding agencies and R&D programmes (e.g. JUs, Missions)
- Generate and foster interdisciplinary network to prepare for EU project proposals
- Contribute to SR(I)As, webinars, events of TCI-collaboration partners





A

MFF 2021-2027(1279b)

Single market, Innovation and Digital (187b)

Digital Europe (9.2b)

Horizon Europe (100b)

..... Pillar 2 (52.7b)

Clusters

Missions



EuroHPC(2.7b)

Pillar 2
Global Challenges and Industrial Competitiveness

Clusters

- Health
- Inclusive and Secure Society
- Digital and Industry
- Climate, Energy and Mobility
- Food and natural resources

Joint Research Centre

15b Areas of intervention

- Manufacturing technologies
- Digital technologies
- Advanced materials
- Artificial intelligence and robotics
- Next generation internet
- High performance computing and Big Data
- Circular industries
- Low carbon and clean industry
- Space

Adaptation to climate change, including societal transformation

Mission areas

Healthy oceans, seas, coastal and inland waters

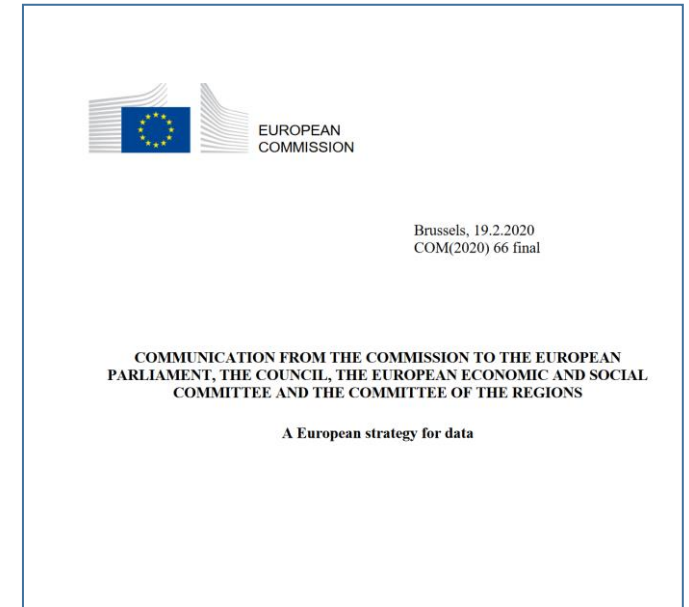
Cancer

Climate-neutral and smart cities

Soil health and food

European Commission

B



https://ec.europa.eu/info/sites/info/files/communication-european-strategy-data-19feb2020_en.pdf

C



<https://www.bmwi.de/Redaktion/EN/Dossier/gaia-x.html>

Next actions



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- Generate TCI vision 2-pager signed by participating 7 associations/projects (WG1)
- Start reaching out to EC-missions, Destination Earth and KDT-JU
- Create framework for digital continuum use case analyses (WG2)
- A “reference architecture” for continuum workflows (WG3)
- Analyse Digital Twin (DT) scientific and industrial use cases

