

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



@CDTIoficial



HORIZONTE

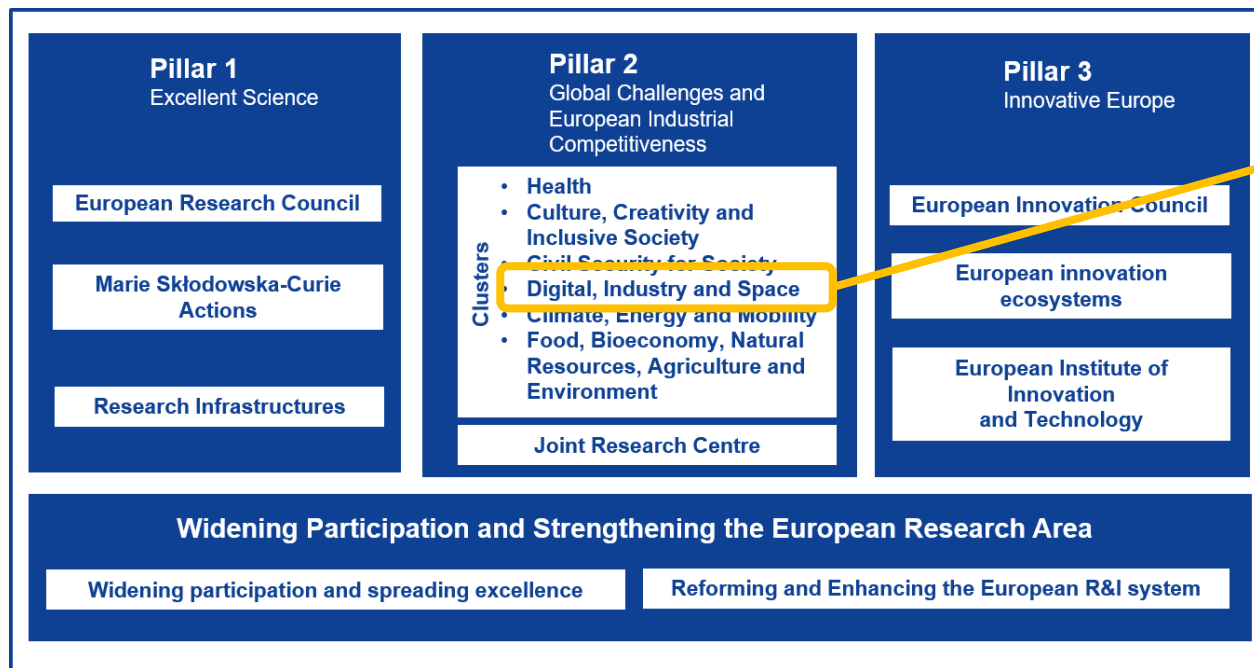
EUROPA
@HorizonteEuropa

Clúster 4 - Digital

Enrique Pelayo Campillos

PRELIMINARY

Context – Horizon Europe / cluster 4



Cluster 4 - Destinations



D1 – Climate neutral, circular and digitised production TWIN-TRANSITION



D2 – A digitised, resource-efficient and resilient industry



D3 – World leading data and computing technologies



D4 – Digital and emerging technologies for competitiveness and fit for the green deal



D5 – Strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data



D6 – A human-centred and ethical development of digital and industrial technologies

Cluster 4 - DIGITAL



D1 – Climate neutral, circular and digitised production TWIN-TRANSITION



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D3 – World leading data and computing technologies



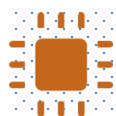
D4 – Digital and emerging technologies for competitiveness and fit for the green deal



D5 – Strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data



D6 – A human-centred and ethical development of digital and industrial technologies



C4 / Destination 3 - DATA



Sharing / analytics



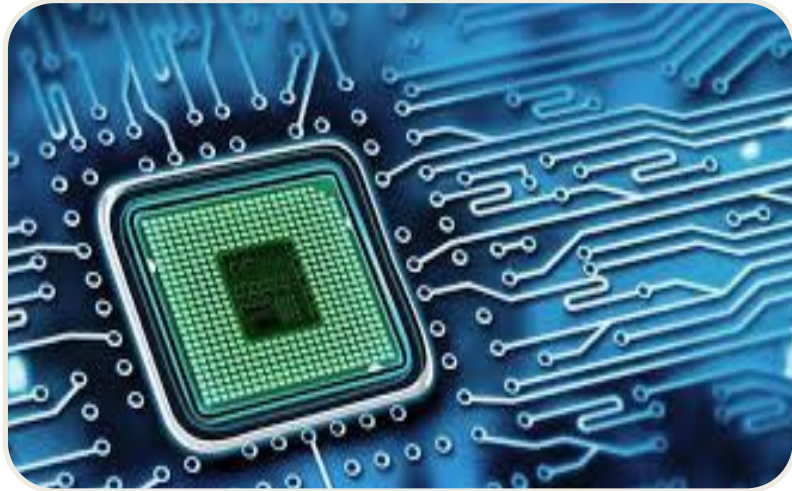
Cloud-Edge



EuroHPC-JU

Institutionalised

C4 / Destination 4 – EMERGING TECHS.



Electronics (KDT-JU) / Low power proc.



Photonics

Institutionalised



6G (SNS-JU)



AI/Data/Robotics

Co-programmed



Emerging



Quantum



Graphene

C4 / Destination 5 – HUMAN



AI based on trust



Internet of trust



eXtended Reality



Society & Industry

PRELIMINARY

C4 – DIGITAL: WP 2021-22

1400 M€

2021

2022



D3 - DATA



D4 - EMERGING



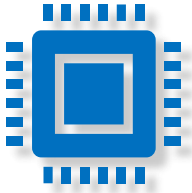
D6 - HUMAN

| | |
|--|------------------------------|
| | Sharing / analytics |
| | Cloud-Edge |
| | HPC |
| | Electronics /Low power proc. |
| | Photonics |
| | 6G |
| | AI/Data/Robotics |
| | Emerging |
| | Quantum |
| | Graphene |
| | AI based on trust |
| | Internet of trust |
| | eXtended Reality |
| | Society & Industry |

| |
|--|
| Privacy, Management, Xtreme |
| OS-Platform, [CSAs] |
| EuroHPC |
| ULP, Open Source HW, Functional elec. / KDT |
| Communication, PIC |
| [CSA] / SNS |
| Green AI, AI @Work, Robot Cognition, Excellence Centers |
| Spintronic, Biointelligent, [CSA] |
| [FPAs]: Computer, simulation, Comm, Pilot, sensing, Int-Canada, Emerging, Invest, [CSAs] |
| Trustworthy AI, Excellence Centers, biases, disinformation [CSA] |
| Data sovereignty, discovery, [CSAs-NGI] |
| Modelling, Haptics, Telepresence, Media, [CSA] |
| Local communities, Art-driven, Skills-I5.0, [CSAs] |

| |
|--|
| Trading, Understanding |
| Cloud, Tools |
| EuroHPC |
| Open Source Cloud / KDT |
| MultiSensing |
| SNS |
| AI @Industry, Robot Intelligence, Robot @sectors |
| Nano @environment |
| [SGAs]: Computer, simulation, internet, encryption, testing, production, SW, Basic Science |
| Sensors, Energy, Biomedical, Composites, [CSA] |
| Human empowerment, AI-lighthouse |
| Decentraliced, safer internet, NGI collab (USA, Canada) |
| XR Techs, Learning |

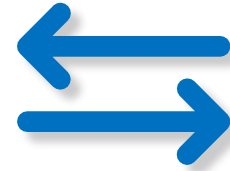
Conclusions



**Technology
Development**



Partnerships



Changes

National Contact Points - DIGITAL



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HORIZONTE EUROPA

+ info sobre programas y ayudas
para la
internacionalización de la I+D+I española



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