

#innovacion  
#ayudascdti  
#asesoramiento  
#internacionalizacion



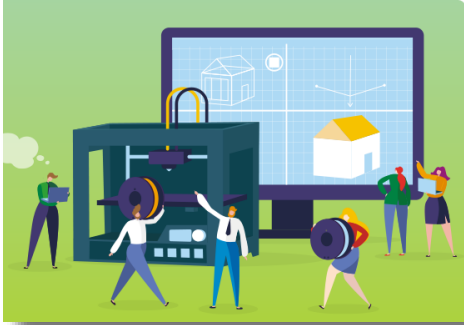
# Digital – e-mobility Programa de trabajo 2023

Enrique Pelayo Campillos

Febrero/2023



# Index



Horizon Europe



KDT-JU



Participation

#HorizonEU

# HORIZON EUROPE

THE EU RESEARCH &  
INNOVATION PROGRAMME

# Horizon Europe / Digital



CL4 / Digital

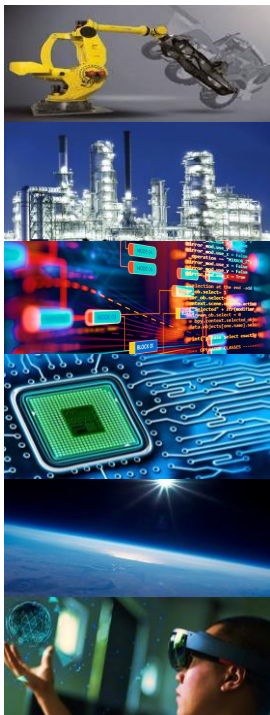
IOIO  
IOIO



Joint Technology Initiatives (JTIs)



# Cluster 4 - Destinations



CLIMATE NEUTRAL, CIRCULAR AND DIGITISED **PRODUCTION**

INCREASED AUTONOMY IN KEY STRATEGIC VALUE CHAINS FOR **RESILIENT** INDUSTRY

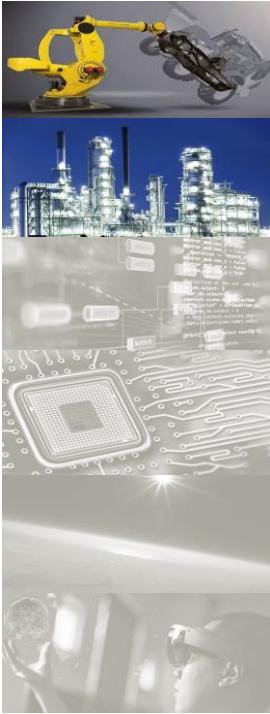
WORLD LEADING **DATA** AND COMPUTING TECHNOLOGIES

DIGITAL AND **EMERGING** TECHNOLOGIES FOR COMPETITIVENESS AND FIT FOR THE GREEN DEAL

OPEN STRATEGIC AUTONOMY IN DEVELOPING, DEPLOYING AND USING GLOBAL **SPACE-BASED** INFRASTRUCTURES, SERVICES, APPLICATIONS AND DATA

A **HUMAN-CENTRED** AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES

# Cluster 4 - Industry



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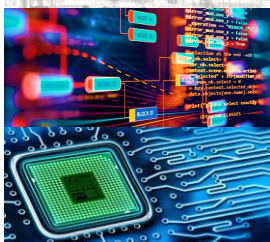
# Cluster 4 - Digital



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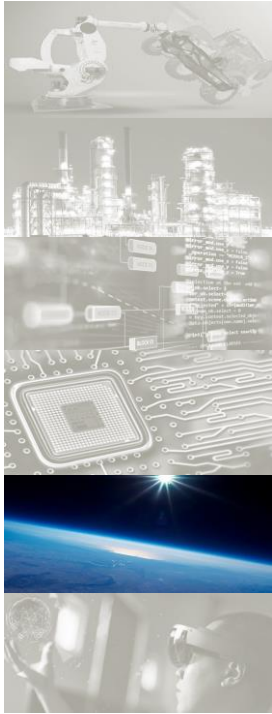


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# Cluster 4 - Space



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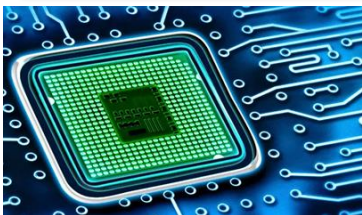
A **HUMAN-CENTRED** AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES



# HORIZON-CL4: mobility opportunities



**CL4-2024-DATA-01-03:** Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)



**CL4-2023-DIGITAL-EMERGING-01-57:** Advanced imaging and sensing technologies (IA)

**CL4-2023-DIGITAL-EMERGING-01-02:** Industrial leadership in AI, Data and Robotics – advanced human robot interaction (IA)



**CL4-2023-HUMAN-01-02:** Large Scale pilots on trustworthy AI data and robotics addressing key societal challenges (IA)

# Key Digital Technologies - JU



# Key Digital Technologies (KDT) – Joint Undertaking

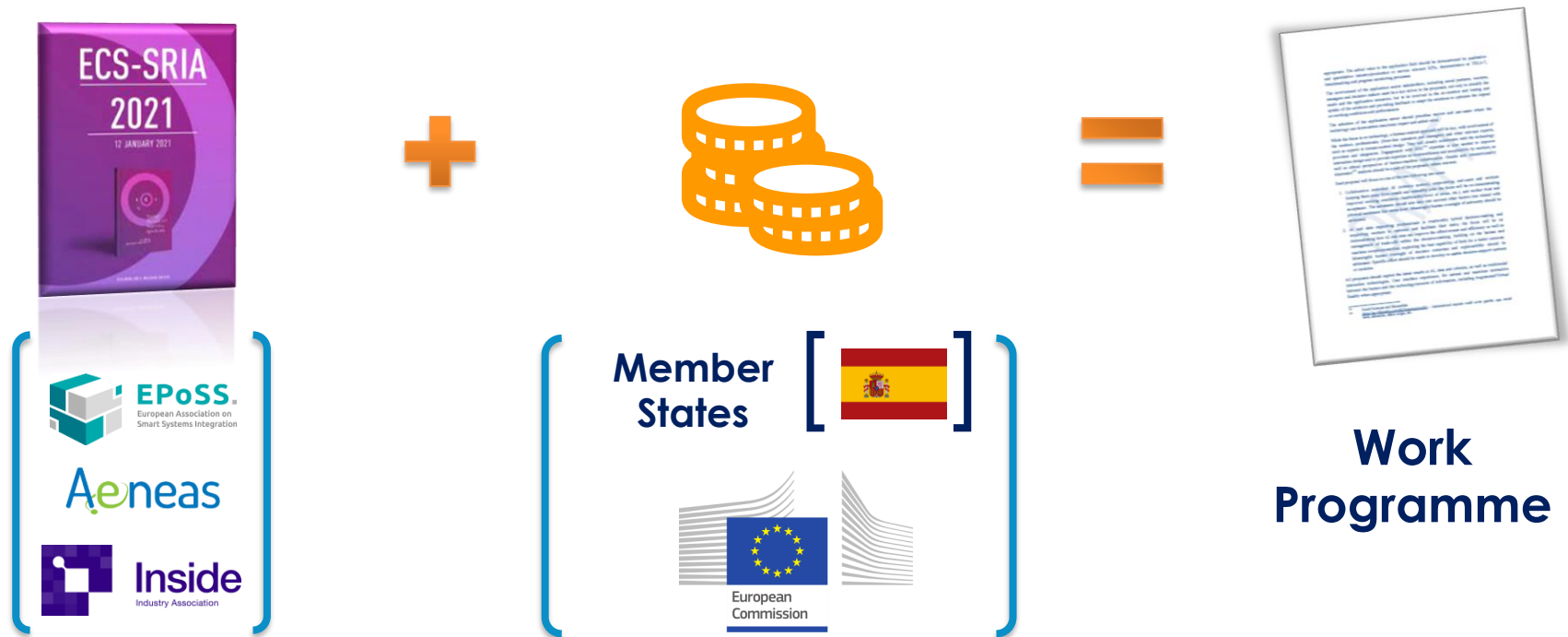
## Industry Associations



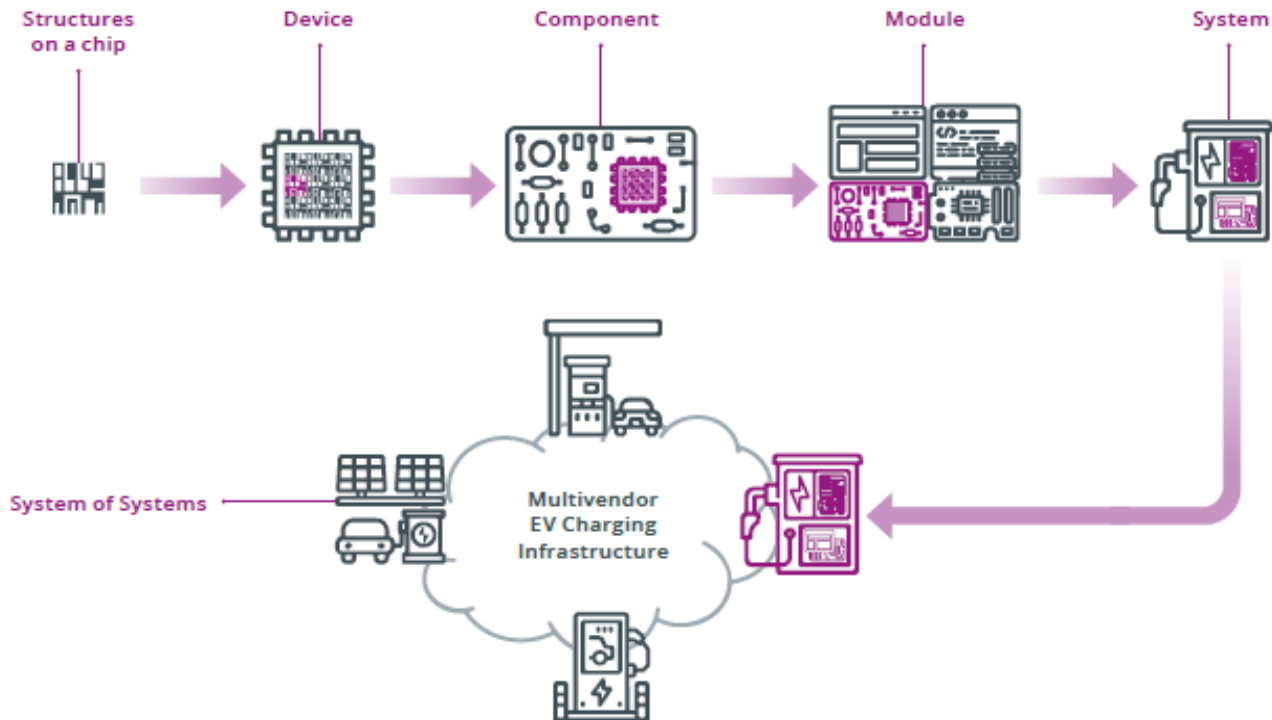
Member States [  ]



# Key Digital Technologies (KDT) – Member functions



# ECS-SRIA: Electronic Component & Systems



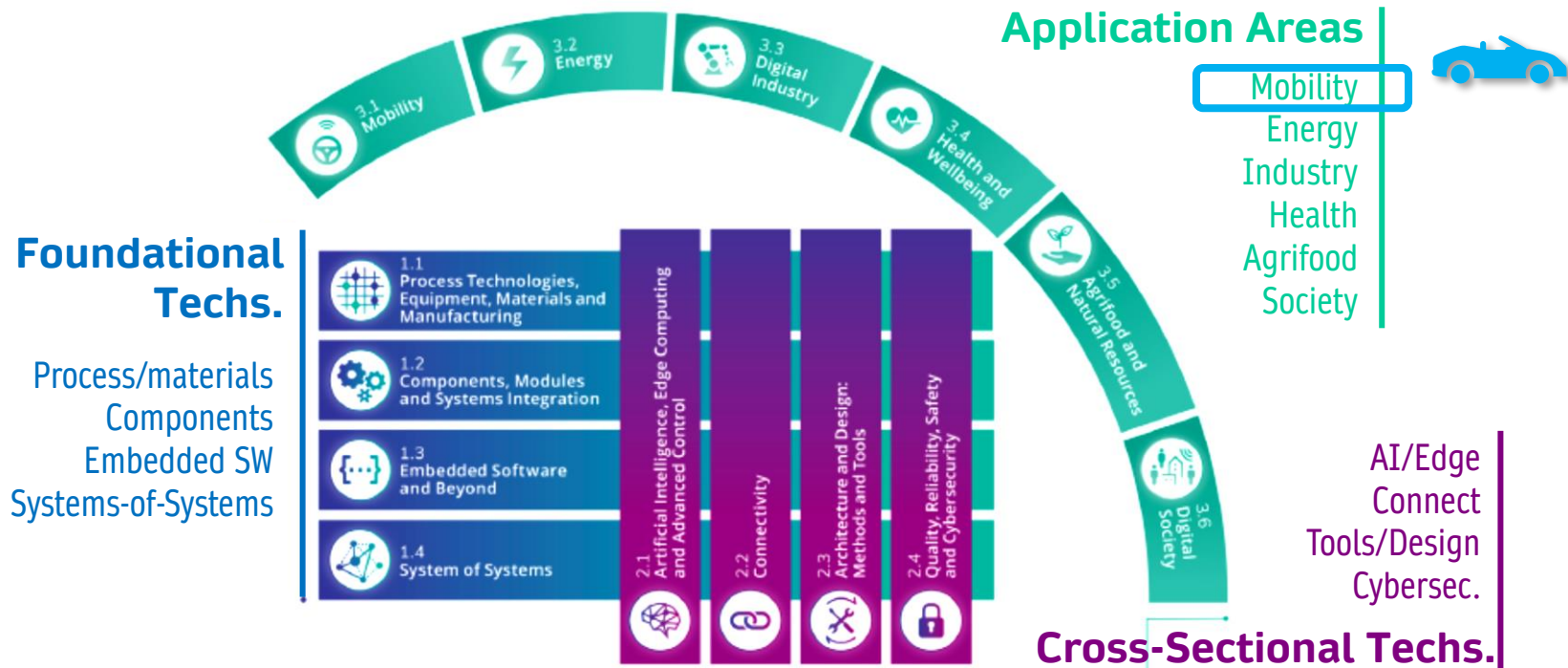
# WP2023 – Topics

P.O: 3 May 2023



Action	Topic	EU (M€)
Call 2023-1-IA T1	Global call according to SRIA 2023 (IA)	153.0
Call 2023-1-IA T2	Focus topic 6G Integrated Radio Front-End for TeraHertz Communications (IA)	20.0
Call 2023-1-IA T3	Focus topic on Integration of trustworthy Edge AI technologies in complex heterogeneous components and systems (IA)	20.0
Call 2023-1-RIA T4	Focus Topic on Electronic Control Systems (ECS) for management & control of decentralized energy supply & storage (IA)	20.0
Call 2023-2-RIA T1	Global call according to SRIA 2023 (RIA)	76.7
Call 2023-2-RIA T2	Focus Topic on Hardware abstraction layer for a European Vehicle Operating System (RIA)	20.0
Call 2023-3-IA T1	Improving the global demand supply forecast of the semiconductor supply chain (IA)	5.0
Call 2023-3-CSA T2	Pan-European network for Advanced Packaging made in Europe (CSA)	1.0
Call 2023-3-CSA T3	Coordination of the European softwaredefined vehicle platform (CSA)	2.0
<b>Total</b>		<b>317.7 M€</b>

# WP2023 – General Projects SRIA (IA & RIA)



# WP2023 – Focus topics: E-mobility



## 2023-2-RIA T2: Focus topic on Hardware abstraction layer for a European Vehicle Operating System (RIA)

- Concept, reference architecture and standardised **API for a hardware abstraction layer (HAL)** for software-defined vehicles.
- Common **software toolset** (software, debugging, CI/CD including automated testing)
- **Proof-of-concepts** and open source reference.



## 2023-3-CSA T3: Coordination of the European software defined vehicle platform (CSA)

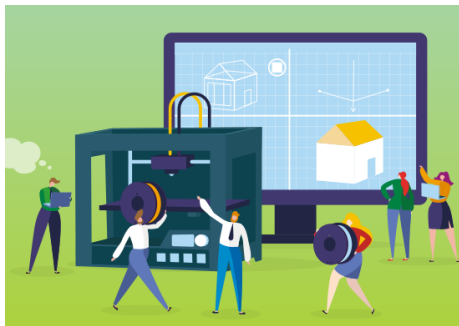
- Agreement on joint technical **roadmap**
- Agreement on an open reference **architecture**
- Development of a dynamic **ecosystem**
- Support the JU in **structuring, steering and coordinating** this Focus Area (SW Defined vehicle platf.)



# Participation



# National Contact Points - DIGITAL



Enrique Pelayo Campillos

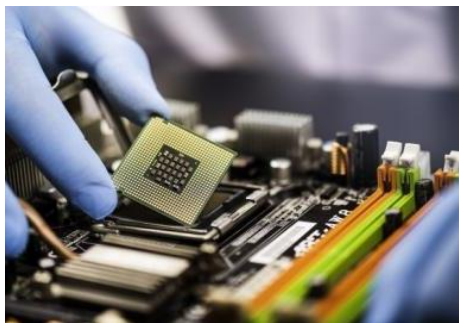
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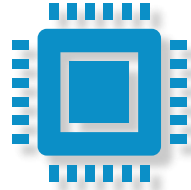
[enrique.pelayo@cdti.es](mailto:enrique.pelayo@cdti.es)

# Conclusions

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**CL4/Digital:**  
User cases



**KDT:**  
e-mobility



NCPs

+info sobre programas y ayudas CDTI  
para  
proyectos de I+D empresarial e innovación



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