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UFUK AVRUPA

ICTürkiye2025
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PRESENTER FULL NAME: Ana Paula Maia Gonçalves

ORGANIZATION: Data CoLAB - Collaborative Laboratory for Data-Driven Innovation Solutions

WORKSHOP NAME: Workshop #3 – Digital, Chips and 6G

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REPUBLIC OF TÜRKİYE
MINISTRY OF INDUSTRY
AND TECHNOLOGY | #NATIONAL TECHNOLOGY INITIATIVE

COMPETITIVE SECTORS PROGRAMME

TÜBİTAK

Description of the Organisation

SHARING COMPLIANCE · COLLECTION · INTELIGENCE INTERFACE · PUBLICATION

SECURITY

GENERATION · COMMUNICATION INTEROPERABILITY · ANALYTICS · RELEASE DISSEMINATION

Portuguese non-profit private association aiming to accelerate digital transformation.

Dedicated to bridging the gap between emerging knowledge and market needs by developing and implementing innovative data-oriented solutions across the entire data value chain.

Sectors of activity:
- Industry and maintenance
- Agriculture, forestry, and biodiversity
- Health and pharma
- Energy, oceans, and communities

Data CoLAB's Expertise

Data acquisition (IoT/ETL)

Data analytics (AI/ML)

Data traceability (Digital Product Passport)

Decision support systems

Interoperability

Capacitation and training

Research Fields

Traceability and Sustainable Innovation
- Digital Product Passport
- Tracking devices and software

NatureTech
- Environmental, social, and governance (ESG)
- Natural Value Performance

Federated Data Spaces
- Data quality
- Data sharing
- Interoperability

Data intelligence
- Open data
- Data observatories
- ML/DL
- Data engineering
- Gen AI

On-going Projects

Test bed

Textile of the Future

Plano de Recuperação e Resiliência
Start: 01/2023

Contributions:
o TRL evaluation
o Support SMEs and start-ups with the development and acceleration to market of new products (AI, VR/AR, robotics, IoT, big data and additive manufacturing.

SMART CARE

Data intelligence in healthcare: driving innovation and optimization in hospital management and clinical research

Funded by FCT: Foundation for Science and Technology

Start: 04/2025

Contributions:
o AI/LLM
o Decision support systems

AI-SMAB-PGNP

Artificial Intelligence Applied to Strategic Decision-Making for the Common Land of Peneda-Gerês National Park

Funded by FCT: Foundation for Science and Technology

Start: 03/2025

Contributions:
o AI/Digital twin
o Nature valorisation

Project Idea

Call Topic: HORIZON-CL4-INDUSTRY-2025-01-TWIN-TRANSITION-05 – Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry

Deadline Dates: 23/09/2025

❑ **Objectives:**
• Increased production capacity for clean technologies in the Member States and Associated Countries, diversifying supply sources, and ensuring high environmental standards.
• Contributions to reaching the targets set by the Net Zero Industry Act, in ensuring the reduction of strategic dependencies.

❑ **Expected Results:**
• Advanced and flexible automation approaches, for instance for large components, complex assembling or handling of hazardous materials;
• Digital twins and data mining for fast ramp-up, scale-up and real-time optimisation of production;

Project Idea

Call Topic: HORIZON-CL4-2025-03-HUMAN-18: GenAI4EU central Hub (AI/Data/Robotics Partnership)

Deadline Dates: 02/10/2025

❑ **Objectives:**

• Streamline efforts in developing high impact GenAI-based applications while fostering cooperation among various GenAI stakeholders, from startups, academia and large user industries, including large IT suppliers and integrators.

❑ **Expected Results:**

• Creation of the GenAI4EU HUB: developing a strong and visible GenAI4EU community, supporting the uptake of European GenAI solutions across strategic application sectors and the HE Clusters, through collaboration and knowledge exchange.

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PRESENTER CONTACT
DETAILS:

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COUNTRY:
Portugal