



This project is co-financed by the European Union
and the Republic of Türkiye



ICTürkiye2025
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PRESENTER FULL NAME: Alberto Mora, PhD

ORGANIZATION: Tree Technology

WORKSHOP NAME: Destinations - Living and working in a health-promoting environment &
Tackling diseases and reducing disease burden

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Description of the Organisation

*A spanish R&D-performing company providing information and communication technology solutions in **Big Data, Cybersecurity and Artificial Intelligence (SME)***

Experience in EU projects 30+ (4 ongoing projects)

Roles: WP leader/Coordinator

Your Teams'
Expertise



Big Data Technologies
Artificial Intelligence
Computer Vision
Cybersecurity



Agile Software Development
Project Coordination

Your Research Fields

Big Data

- Real-Time Data Processing
- Data Mining
- Deep Learning Applications
- Big Data Architectures



Computer Vision

- Security and Surveillance
- Inspection and Quality Control
- Guidance Systems
- Process Supervision



Artificial Intelligence

- Machine Learning
- Natural Language Processing
- Explainable AI
- Federated Learning



Cybersecurity

- Cryptography
- Risk Management
- Threat Analysis
- Secure Mechanisms



Your On-going Projects



CL3-2023-FCT-01-01 (ID: 101168309)
Ethical and Privacy-preserving Big Data
platform for Supporting criminal
investigations
[\(+info\)](#)



CL3-2023-CS-01-02 (ID: 101168467)
Enabling Trustworthy European Data
Spaces through Self-Sovereign Identity and
Privacy Preserving Technologies
[\(+info\)](#)



CL3-2023-FCT-01-06 (ID: 101168360)
ENhanced AI-baSEd cybercriMe-oriented
collaBorative investigation technologies
and capabiLitiEs
[\(+info\)](#)



HLTH-2024-STAYHLTH.01-05-two-stage
(ID: 101156210)
CARDIOVASCULAR Risk Assessment in
MENOPausAL women via multimodal data
analysis enabling personalized prevention
strategies
[\(+info\)](#)

Your relevant Projects



MISS-2022-CIT-01-01 (ID: 101104268)
Active Mobility Innovations for Green and safe city sO^lutionS

[\(+info\)](#)



TRUST
aWARE

SU-DS-03-2020 (ID: 101021377)
Enhancing Digital Security, Privacy and TRUST in software

[\(+info\)](#)



Impulse

DT-TRANSFORMATIONS-02-2020 (ID: 101004459)
Identity Management in PuBliC Services
A multidimensional analysis of disruptive technology approaches

[\(+info\)](#)



SU-BES-02-2020 (ID: 101021271)
Artificial Intelligence based Virtual Control Room for the Arctic

[\(+info\)](#)



NIGHTINGALE

SU-DRS-02-2020 (ID: 101021957)
Novel InteGrated toolkit for enhanced pre-Hospital life support and Triage IN challenGing And Large Emergencies

[\(+info\)](#)

Teamaware

SU-DRS-02-2020 (ID: 101019808)
Team Awareness Enhanced with Artificial Intelligence and Augmented Reality

[\(+info\)](#)



HLTH-2022-TOOL-12-01-two-stage (ID: 101080875)
Continuous stratification for improved prevention, treatment, and rehabilitation of stroke patients using digital twins and AI

[\(+info\)](#)

GLOMICAVE

BIOTEC-07-2020 (ID: 952908)
Global Omic Data Integration on Animal, Vegetal and Environment Sectors

[\(+info\)](#)



FoF-12-2019 (ID: 870142)
multipurpose robotics for mAniPulation of defoRmable matEriALs in manufacturing processes

[\(+info\)](#)



CL5-2021-D6-01 (ID: 101069538)
Holistic and adaptivE Interface Design for human-technology Interactions

[\(+info\)](#)



DT-GOVERNANCE-05-2020 (ID: 959201)
Innovating goverNment and ciTizen co-dEliveRy for the digital siNgle market

[\(+info\)](#)



DT-ICT-03-2020 (ID: 870142)
Value Of Joint EXperimentation in digital Technologies for manufacturing and construction

[\(+info\)](#)

Your relevant Projects



EeB-07-2020 (ID: 958345)

Prescient building Operations
utilizing Real Time data for ENergy
Dynamic Optimization

[\(+info\)](#)



DT-TDS-01-2019 (ID: 857159)

Smart and Healthy Ageing
through People Engaging in
Supportive Systems

[\(+info\)](#)



NGI Trust ICT-2019 (ID: 825618)

A Privacy pReservIng federated
MACHine Learning
implementation

[\(+info\)](#)



ICT-13-2018 (ID: 824988)

Machine learning to augment
shared knowledge in federated
privacy-preserving scenarios

[\(+info\)](#)



ICT-16-2018 (ID: 824231)

DEveloper COmpanion for
Documented and annotatEd
code Reference

[\(+info\)](#)



SU-INFRA-01-2019 (ID: 883532)

Data-based analysis for safety and
security protection for detection,
prevention, mitigation and response in
trans-modal metro and railway networks

[\(+info\)](#)



S2R-OC-IP2-01-2019 (ID: 881775)

Formal Methods and CSIRT for the
Railway Sector

[\(+info\)](#)



DEEPHEALTH

ICT-11-2018 (ID: 825111)

Deep-Learning and HPC to boost
biomedical applications for Health

[\(+info\)](#)



FoF-07-2017 (ID: 768710)

Efficient material hybridization by
unconventional layup and forming of
metals and composites for fabrication of
multifunctional structures

[\(+info\)](#)



PHC-25-2015 (ID: 689996)

Integrated Technology Systems
for ProACTIVE Patient Centred
Care

[\(+info\)](#)



BES-10-2015 (ID: 700510)

Integrated system for real-time
TRACKing and collective intelligence
in civilian humanitarian missions

[\(+info\)](#)



RAMSES

FCT-04-2015 (ID: 700326)

Internet forensic platform for
tracking the money flow of
financially-motivated malware

[\(+info\)](#)

Project Idea

Call Topic: HORIZON-HLTH-2025-01-DISEASE-02 Advancing innovative interventions for mental, behavioural and neurodevelopmental disorders (RIA) (single-stage)

Deadline Dates: 18th Sep 2025

- **Objectives:**
 - Development of Innovative Therapeutic Solutions
 - Integration of Complementary Approaches
 - Advancement of Clinical Research
 - Utilization of Advanced Technologies
 - Collaboration and Data Sharing
 - Stakeholder Engagement
- **Expected Results:** AI system specifically designed to interpret and analyse visual biometric signals

Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	Tree Technology Partner confirmed	SME	ES	Adaptive differential privacy AI-based conversational agents Cybersecurity
02	Partner confirmed			Ethics experts
03				
04				
05				

Consortium – required partners

No	Expertise	Type	Country	Role in the project
01				Patients and caregivers
02				Clinical partners (access to patients)
03				Speech and voice analysis expert
04				Policymakers
05				

Project Idea

Call Topic: HORIZON-HLTH-2025-03-DISEASE-04: Leveraging artificial intelligence for pandemic preparedness and response (RIA) (single-stage)

Deadline Dates: 18th Sep 2025

- **Objectives:**
 - Development of AI-Driven Tools
 - Integration of AI in Healthcare Systems
 - Enhancement of Data Utilization:
 - Promotion of Collaborative Research
- **Expected Results:** A trustworthy AI for Pandemic Preparedness, Early Warning, and Rapid Response Simulation

Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	Tree Technology Partners confirmed	SME	ES	AI modeling, XAI Cybersecurity
02	Partner confirmed			UX design experts
03	Partner confirmed			Healthcare providers
04	Partner confirmed			Ethics experts
05	Partner confirmed			SSH

Consortium – required partners

No	Expertise	Type	Country	Role in the project
01				Domain knowledge: organizations that manage epidemiological data
02				
03				
04				
05				

Project Idea

Call Topic: HORIZON-HLTH-2025-01-ENVHLTH-01 The impact of pollution on the development and progression of brain diseases and disorders (RIA) (single-stage)

Deadline Dates: 18th Sep 2025

- **Objectives:**
 - Understanding Pollution's Effects on Brain Health
 - Identification of Susceptible Populations
 - Development of Preventive Strategies
 - Promotion of Data Accessibility
 - Support for EU Environmental and Health Policies
- **Expected Results:**
 - AI powered multimodal data integration
 - AI-Based Real-Time Risk Monitoring and Alert System
 - AI-Based Causal Inference and Simulation Models

Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	Tree Technology	SME	ES	AI powered multimodal data integration IoT Zero Trust Architecture
02	Partner confirmed			Outdoor monitoring
03	Partner confirmed			Ethics experts
04				
05				

Consortium – required partners

No	Expertise	Type	Country	Role in the project
01				AI modeling experts
02				Patient organizations
03				Healthcare stakeholders
04				Clinical partners
05				Municipality



PRESENTER CONTACT: Alberto Mora,
PhD
DETAILS: Head of Digital Innovation
COUNTRY: Spain