



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



**ICTürkiye2025**  
10 April, İstanbul

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*



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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 sOlutionS

[\(+info\)](#)



**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

[\(+info\)](#)

**TeamWare**

**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

[\(+info\)](#)

**GLMICAVE**

**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

[\(+info\)](#)

**INTERLINK**

**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

[\(+info\)](#)



**ICT-16-2018** (ID: 824231)

DEveloper COmpanion for  
Documented and annotatEd  
code Reference

[\(+info\)](#)



**FoF-07-2017** (ID: 768710)

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

[\(+info\)](#)



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

Smart and Healthy Ageing  
through People Engaging in  
Supportive Systems

[\(+info\)](#)



**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

[\(+info\)](#)



**PHC-25-2015** (ID: 689996)

Integrated Technology Systems  
for ProACTIVE Patient Centred  
Care

[\(+info\)](#)



**NGI Trust ICT-2019** (ID: 825618)

A Privacy pReservIng federated  
MAchine Learning  
implementation

[\(+info\)](#)



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

Formal Methods and CSIRT for the  
Railway Sector

[\(+info\)](#)



**BES-10-2015** (ID: 700510)

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

[\(+info\)](#)



**ICT-13-2018** (ID: 824988)

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

[\(+info\)](#)



**DEEPHEALTH**

**ICT-11-2018** (ID: 825111)

Deep-Learning and HPC to boost  
biomedical applications for Health

[\(+info\)](#)



**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-ENVHLTH-01 The impact of pollution on the development and progression of brain diseases and disorders (RIA)

**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	Coordinator
02				
03				
04				
05				

**Consortium – required partners**

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



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DETAILS: Head of Digital Innovation  
COUNTRY: Spain