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

COMPETITIVE SECTORS PROGRAMME

TÜBİTAK

Description of the Organisation

*A spanish R&D-performing company providing infomation 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

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

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

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)

SU-DS-03-2020 (ID: 101021377)

Enhancing Digital Security, Privacy and TRUST in software

(+info)

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)

SU-DRS-02-2020 (ID: 101021957)

Novel InteGrated toolkit for enhanced pre-Hospital life support and Triage IN challenGing And Large Emergencies

(+info)

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)

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

PRELUDE

EeB-07-2020 (ID: 958345)

Prescient building Operations utilizing Real Time data for ENergy Dynamic Optimization

(+info)

SHAPES
Smart and Healthy Ageing Promoting Empowering Systems

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

Smart and Healthy Ageing through People Engaging in Supportive Systems

(+info)

PRIMAL

NGI Trust ICT-2019 (ID: 825618)

A Privacy pReservIng federated MAchine Learning implementation

(+info)

MUSKETEER

ICT-13-2018 (ID: 824988)

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

(+info)

DECODER

ICT-16-2018 (ID: 824231)

DEveloper COmpanion for Documented and annotatEd code Reference

(+info)

SAFETY4RAILS

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)

4SECURail

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)

LAY2FORM

FoF-07-2017 (ID: 768710)

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

(+info)

ProACT

PHC-25-2015 (ID: 689996)

Integrated Technology Systems for ProACTive Patient Centred Care

(+info)

iTRACK
Protection and safety of humanitarian missions

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)
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	SME	ES	Coordinator
02				
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				Ethics experts
05				Policymakers

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