



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



ICTürkiye2025
10 April, İstanbul

PRESENTER FULL NAME: Nuriye Ünlü

ORGANIZATION: TÜBİTAK BİLGEM Software Technologies Research Institute

WORKSHOP NAME: Digital and Smart Health

E-MAIL: nuriye.unlu@tubitak.gov.tr

Software Technologies Research Institute



- is a TÜBİTAK BİLGEM institute established in 2012
- develops digital strategies
- develops software solutions planned with digital transformation roadmaps, taking into account new technology and innovative approaches

Competencies



Software Development



Digital Strategy
Development



Digital Transformation



Data Science

Research Fields

Software Development

- Microservice Architecture
- Cloud Solution(PaaS, FaaS....)
- Agile Development
- High Maturity in Software
- CI/CD
- DevOps
- Serverless Architecture
- Change Data Capture

Open Source Technology

- Front End Technologies
- Back End Technologies
- Database Technologies
- Middleware Technologies

Digital Transformation

- Digital Transformation Planning
- Project Management
- Policy Monitoring and Assessment
- Enterprise Architecture

Data Science

- Ontology and Modeling
- Interoperability
- Business Intelligence and Data Warehouse
- Big Data
- Open Data

Digital Capacity Development

- Digital Culture
- Digital Participation
- Digital Capability Guidance
- Digital Maturity Assessment
- Digital Competency Assessment
- Technology Guidance

Digital Policy

- E-Government
- Smart City
- Privacy Protection



ICTürkiye2025
10 April, İstanbul

Projects

Product Management
Throughout the Life Cycle

Process Based Interoperable
Service Management Platform

Reusable Product Single
Tracking and Monitoring
Infrastructure



Public Financial
Management Electronic
Document Service
Infrastructure

Integrated National Social
Assistance System Based on
Data-Driven Modeling



CMMIDEV/5
Exp. 2020-03-03 / Approval #28339

Integrated Public Financial
Management Information System
Business Architecture



Electronic Collection
Infrastructure

Electronic Assurance
Infrastructure



ICT Türkiye 2025
10 April, İstanbul

Projects



In collaboration with the Turkish Medicines and Medical Devices Agency, a national and genuine Product Tracking and Monitoring Model was developed and an information management system compatible with the Model was developed for end-to-end tracking medical devices and cosmetic products and carrying out audit services and clinical engineering processes in a healthy and effective

~353 Thousand

Registered
Cosmetic Products

~104 Million

Usage
Notifications

~5 Million

Registered
Medical Devices

~625 Thousand

Total Downloads
of Mobile App

~835 Million

Movement
Notifications

~13 Thousand

Total Number of Market
Surveillance and Audit Files

~75 Thousand

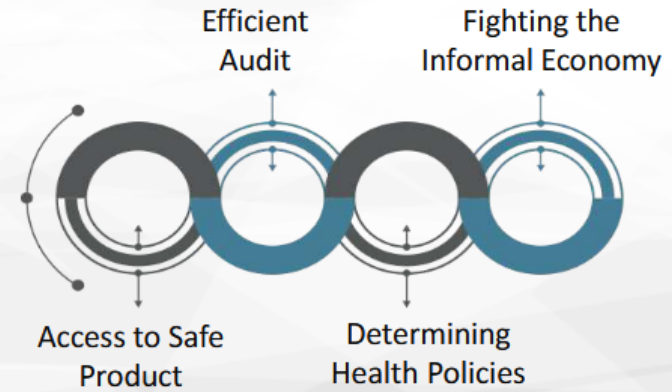
Active Medical
Device Firms

~268 Thousand

Registered Medical
Device Documents

~8 Thousand

Active Cosmetic
Product Firms



"It is the information system that has been put into practice for the first time in the world for individual tracking of all medical devices manufactured in Turkey or imported to Turkey."



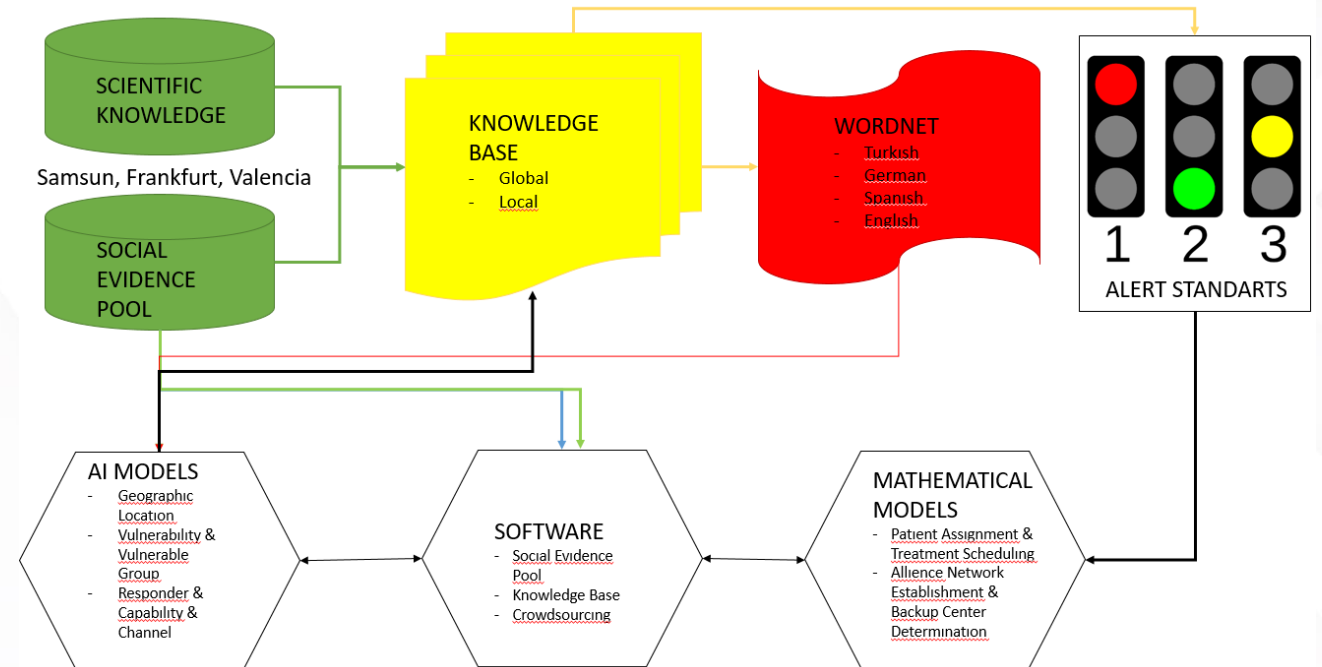
Project Idea DNA2ACT: Dialysis Center Network Alliance based on Actionable Crowdsourced Tacit Knowledge

Call Topic:

- **HORIZON-HLTH-2025-01-DISEASE-04: Leveraging artificial intelligence for pandemic preparedness and response**

Deadline Dates: 18 September

- ❑ **Objectives:** aims at translating knowledge into action in pandemics governance with an inclusive process
- ❑ **Expected Results:** improve the outcomes in terms of actual reduction of risk and response for those most vulnerable



Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
01	ÜRKİYE BİLİMSEL VE TEKNOLOJİK ARAŞTIRMA KURUMU,	Research Institute	Türkiye	Coordinator
02	OZYEGIN UNIVERSITESI	University	Türkiye	Partner
03	SAMSUN IL AFET VE ACIL DURUM MUDURLUGU	Public Agency	Türkiye	Partner
04	Samsun Provincial Health Directorate	Public Agency	Türkiye	Partner
05	UNIVERSITAT POLITECNICA DE CATALUNYA	University	Spain	Partner

Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
06	KOC UNIVERSITY	University	Türkiye	Partner
07	AYDIN ADNAN MENDERES UNIVERSITESI	University	Türkiye	Partner
08	AYUNTAMIENTO DE MISLATA	Local Government	Spain	Partner
09	UNIVERSITAT POLITECNICA DE VALENCIA	University	Spain	Partner
10	Scouting and Guiding Federation	NGO	Türkiye	Partner

Consortium - profile of known partners (if any)

No	Partner Name	Type	Country	Role in the Project
11	Türkiye Sağlıklı Kentler Birliği	Public Agency	Türkiye	Partner
11	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	University	Italy	Partner
12	AYUNTAMIENTO DE MISLATA	Local Government	Spain	Partner
13	Samsun Metropolitan Municipality	University	Türkiye	Partner

Consortium – required partners

- Coordinator
- Responsible Healthcare Organizations
 - Dialysis Centers
- Local Governments
- NGOs representing smart societies



PRESENTER CONTACT
DETAILS:
nuriye.unlu@tubitak.gov.tr
COUNTRY:Türkiye