

# **I**nteroperability between **E**merging **T**echnologies **A**gainst **C**ounterfeiting **(IOP-ETAC)**

**TUBITAK UEKAE**

**National Research Institute of Electronics and Cryptology**

Internet of Things and Enterprise Environments

Brussels, 18 February 2009

**CAGATAY KARABAT**  
**cagatay@uekae.tubitak.gov.tr**

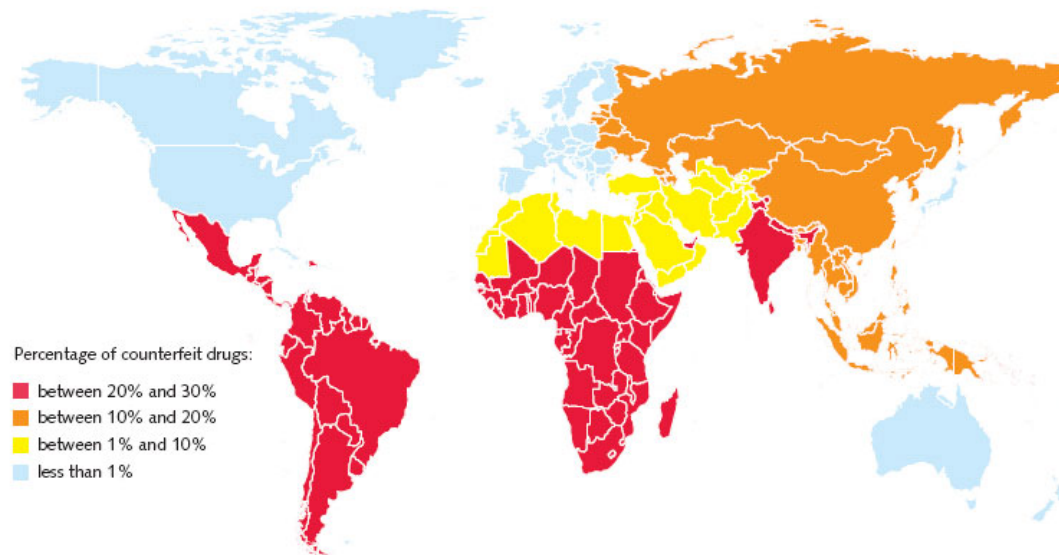


European Commission  
Information Society and Media



## Interoperability between Emerging Technologies Against Counterfeiting: IOP-ETAC

- ❖ Counterfeiting is one of the fastest growing economic threat worldwide.
- ❖ Counterfeit products account for between 5-7% of world trade.
- ❖ Counterfeiting, especially, threatens the pharmaceutical industry.
- ❖ Very dangerous for citizens not only in Europe but also in the World.
- ❖ The World Health Organization (WHO) estimates that counterfeits cost the pharmaceuticals industry US\$46 billion annually.
- ❖ This value is expected to increase to US\$75 billion by 2010.



[1] [http://ec.europa.eu/internal\\_market/indprop/docs/conf2008/wilfried\\_roge\\_en.pdf](http://ec.europa.eu/internal_market/indprop/docs/conf2008/wilfried_roge_en.pdf)

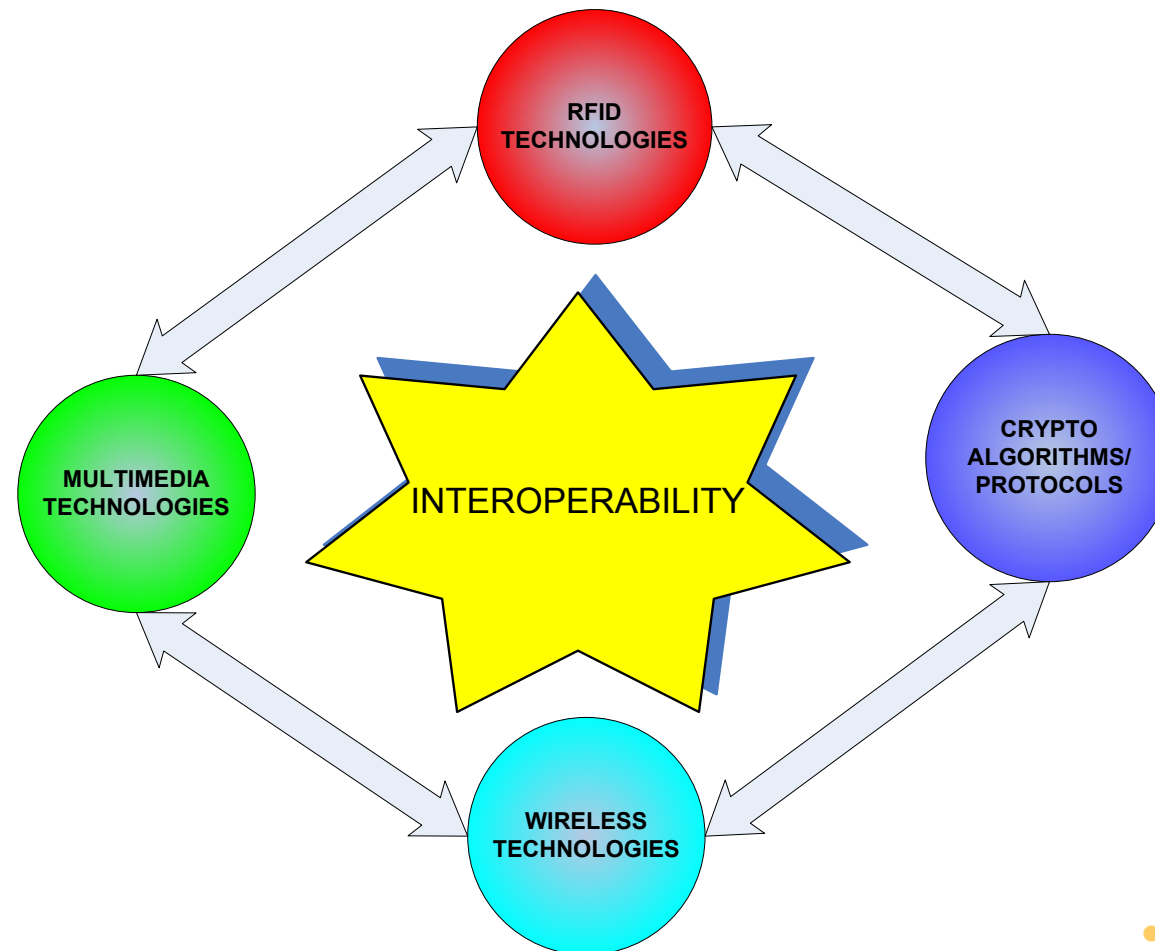
[2] WHO: <http://www.who.int>

[3] FDA: <http://www.fda.gov/>

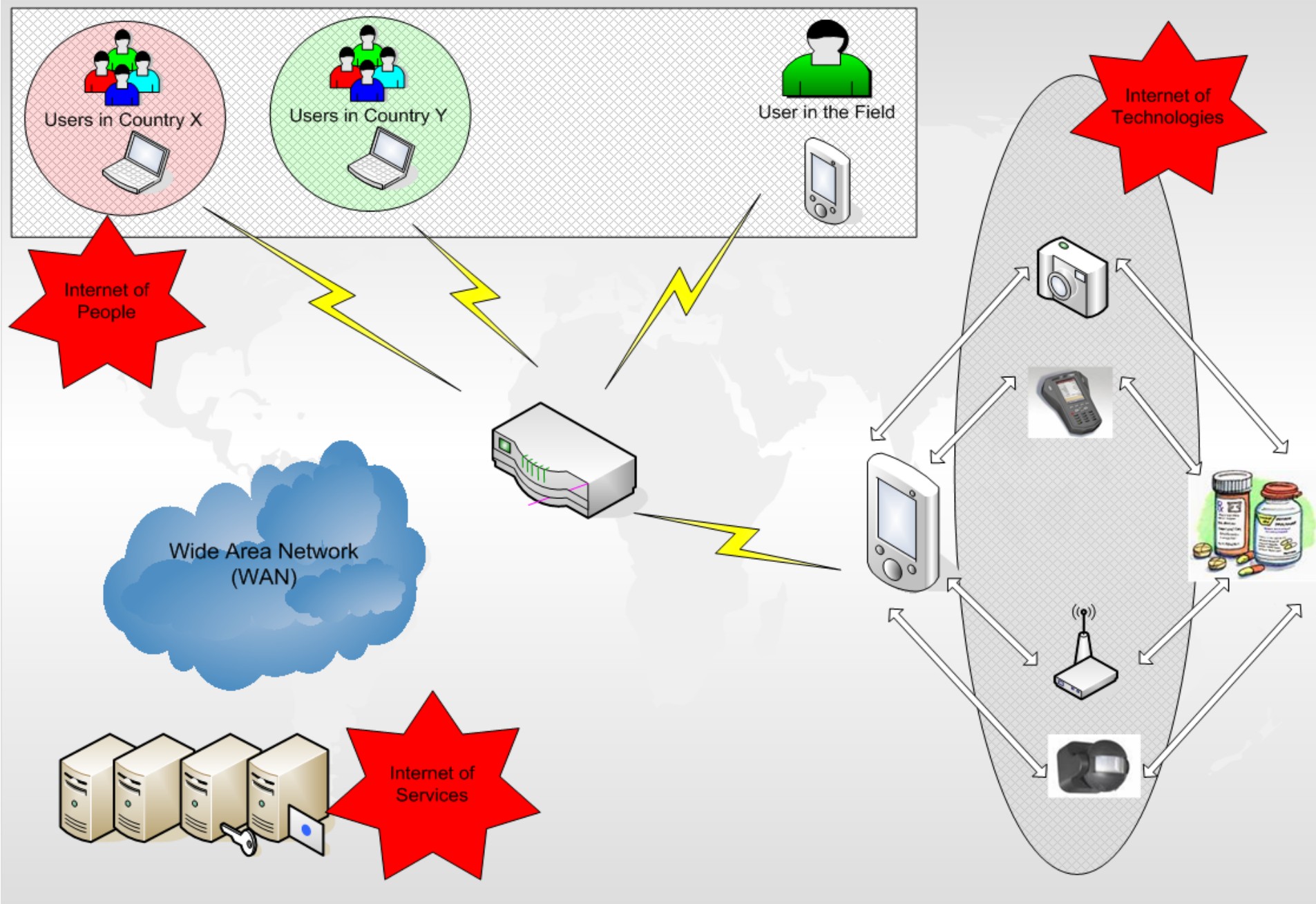


# Interoperability between Emerging Technologies Against Counterfeiting: IOP-ETAC

- ❖ The intended goal of the project is to device a novel and efficient weapon in the fight against thieves and counterfeiters for the medical drugs by achieveing **INTEROPERABILITY** between various emerging technologies.



# IOP-ETAC: Internet of Things...



## IOP-ETAC : General Information

- "Objective ICT-2009.1.3: Internet of Things and Enterprise Environments"
- Project Coordinator:
  - ✓ TUBITAK UEKAE
  - ✓ <http://www.uekae.tubitak.gov.tr/>
- Contact Person:
  - ✓ Cagatay Karabat: [cagatay@uekae.tubitak.gov.tr](mailto:cagatay@uekae.tubitak.gov.tr)
- Type of Proposal:
  - ✓ ICT CALL 5, IP/STREP, 36-48 Months
- Number of Partners:
  - ✓ 10-12 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.

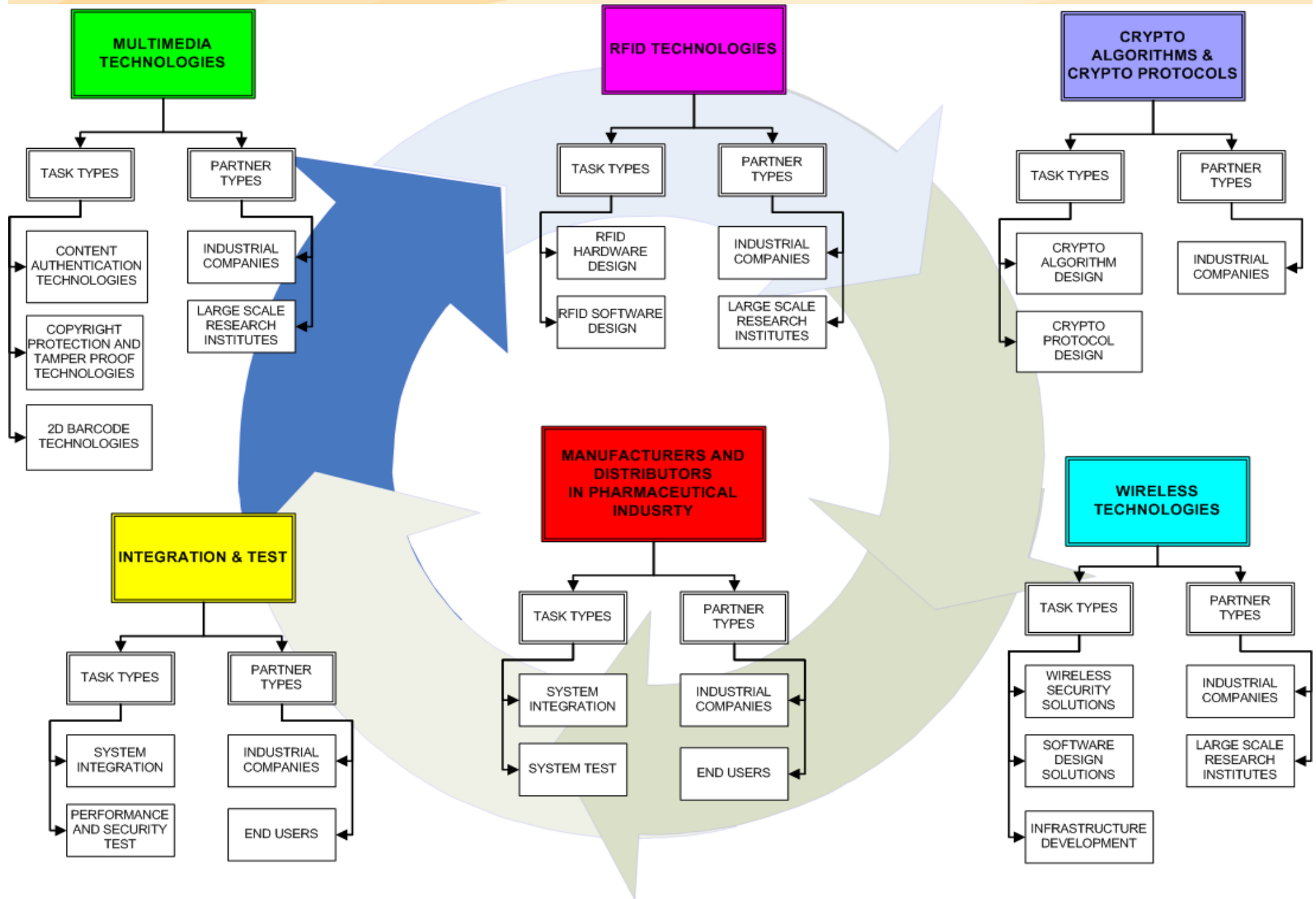
MS = Member States of the EU; AC = Associated Country.

# National Research Institute of Electronics and Cryptology (TUBITAK UEKAE)

- **Research Institute focusing on the following areas:**
  - ✓ ***Information Security***
  - ✓ ***Microelectronics***
  - ✓ ***Optoelectronics***
  - ✓ ***Electronic Warfare***
  - ✓ ***Security***
- **Capabilities & Services**
  - ✓ ***Cryptology Department***
  - ✓ ***EMI/EMC Test Center***
  - ✓ ***COMSEC & Common Criteria Test Center***
  - ✓ ***Product Development***
  - ✓ ***Optoelectronics Laboratory***
  - ✓ ***Microelectronic Design and Production Center***
- **Some of our EU Projects**
  - ✓ ***TOSSAD (FP6)***
  - ✓ ***SCARD (FP6)***
  - ✓ ***CADRES (FP6)***
  - ✓ ***OPEN\_TC (FP6)***
  - ✓ ***EURACE (FP6)***
  - ✓ ***ICE (FP7) → On-going RFID project***
  - ✓ ***MULTISAUND (FP7) → On-going Multimedia Technologies Project***



# IOP-ETAC IS LOOKING FOR PARTNERS...



# Interoperability between Emerging Technologies Against Counterfeiting: IOP-ETAC

## Thank You!

**For further questions, please do not hesitate to contact us !**

Contact Person:

*Cagatay Karabat, TUBITAK UEKAE*

*[cagatay@uekae.tubitak.gov.tr](mailto:cagatay@uekae.tubitak.gov.tr)*

*+90 262 648 1707*

