Scope & Orientations:

- Exploitation of (distributed) trusted AI/ML for 6G infrastructures

- Cooperative holistic E2E security and privacy solutions for 6G architectures

- Smart and trustworthy service frameworks

- Efficient security and privacy enablers

- Zero-touch integrated security deployment

- Integration of secured 6G communications via Quantum key distribution and post-quantum cryptography support

- Timing sensitive, and time responsive software and related hardware technologies for distributed, multi-stakeholder multi-system service provision

Expected outcome:

- AI technology applied to security and service deployment

- Beyond perimetric security strategies and disruptive security and reliability scenarios

- Increased levels of trustworthiness, resilience, openness, and dependability

- Secure, privacy preserving and trustworthy services

- Quantum key distribution and post-quantum cryptography support ensuring long term security for 6G networks

- Efficient run-time service development methodologies

- Service technologies for time-sensitive and computationally intensive applications

- Algorithms, software and hardware implementations as PoC and for later trials systems

- Dissemination of solutions for international consensus building

- Contributions to international standardisation

Project Number	Project Acronym	Project Duration	Project Total Costs	Project Requested EU Contribution
101191436	MARE	**36**	8,644,580.01	7,998,984.50
101192749	XTRUST-6G	**36**	8,480,395.23	7,998,595.00
	Total		17,124,975.24	15,997,579.50

Starting TRL: TRL 2-3
Ending TRL: TRL 4, and if/where relevant TRL 5 (mature 6G technologies and solutions for verticals).