

Nova ICT

European R&D & Innovation Programs



Developing impactful technologies.

Innovation defines Europe's digital competitiveness.

We translate advanced research into real-world impact through leadership in



Technical
Work
Packages



Pilot Deployment



Standardization
efforts

Nova ICT actively participates in



Horizon
Europe



Related research
frameworks



SNS-JU

We co-develop next-generation technologies like



5G/6G



Cybersecurity



AI & XR



Sustainable
digital
transformation

What we deliver



R&D consortia **leadership**
and **technical work packages**



Testbeds, pilots,
and **technology transfer**



Standards alignment
and **exploitation planning**



Policy-aware privacy, security,
and ethics by design



Dissemination, training,
and **community building**

How we deliver



Rigorous program management
and partner orchestration



Exploitable prototypes aligned
to **real deployments**



Ethics, privacy, and **security**
embedded by design



Dissemination that builds
communities and skills



Certified quality under
Nova ICT's ISO portfolio

1

Multi-channel biometrics combining acoustic and machine vision analysis of speech, lip movement and face (SpeechXRays)

CLIENT

European Commission (H2020)

SCOPE

Development of biometric authentication combining speech and facial analysis for secure, privacy-preserving identification.

2

Converging broadcast and user-generated content for interactive ultra-high-definition services (COGNITUS)

CLIENT

European Commission (H2020).

SCOPE

AI-driven system for UHD content production integrating professional and user media streams.

3

Safe Data Enabled Economic Development (Safe-DEED)

CLIENT

European Commission (H2020)

SCOPE

Privacy-enhancing technologies and business models supporting secure and ethical data-market ecosystems.

4

Trusted Secure Data Sharing Space (TRUSTS)

CLIENT

European Commission (H2020)

SCOPE

Creation of a federated European Data Marketplace compliant with GDPR and FAIR data standards.

5

Deep AR Law Enforcement Ecosystem (DARLENE)

CLIENT

European
Commission (H2020)

SCOPE

Augmented reality and AI technologies improving operational safety and situational awareness for law enforcement

6

Collaborative Platform for trAnsmedia storytelling and cross-channel distribution of EUROPEan sport events (COPA EUROPE)

CLIENT

European
Commission (H2020)

SCOPE

Cloud platform enabling interactive live broadcasting and AI-based fan engagement for European sports.

7

5G ExPerimentation Infrastructure hosting Cloud-native Netapps for public protection and disaster relief (5G-EPICENTRE)

CLIENT

European
Commission (H2020)

SCOPE

End-to-end 5G testbed for PPDR use cases, enabling rapid prototyping and validation of mission-critical applications.

8

5G Solutions for European Citizens (5G-SOLUTIONS)

CLIENT

European
Commission (H2020)

SCOPE

Validation of 5G performance and scalability through real-world pilots across multiple verticals including cities, ports, and media.

9

Privacy-First Situational Awareness Platform for Violent Terrorism and Crime Prediction, Counter Radicalisation and Citizen Protection (CounteR)

CLIENT

European Commission (H2020)

SCOPE

Platform for early detection of extremist activity using advanced NLP models while preserving citizen privacy.

10

5G experimentation environment for 3rd party media services (5GMediaHUB)

CLIENT

European Commission (H2020)

SCOPE

Cloud-based testbed allowing developers to deploy and test 5G-enabled media and XR applications.

11

Managing Resilient Nexus Systems Through Participatory Systems Dynamics Modeling (REXUS)

CLIENT

European Commission (H2020)

SCOPE

Systems modeling for sustainable management of interconnected food, energy, and water systems.

12

Data Process and Technological Bricks for expanding digital value creation in European Data Spaces (Databri-x)

CLIENT

European Commission (H2020)

SCOPE

Advanced data-processing framework enhancing energy efficiency and interoperability within EU Data Spaces.

13

Field Trials beyond 5G (FIDAL)

CLIENT

Smart Networks and Services Joint Undertaking (SNS-JU)

SCOPE

Deployment of testbeds supporting advanced 5G and pre-6G experiments for media, safety, and emergency use cases.

14

Automated zero-touch cross-layer provisioning framework for 5G and beyond vertical services (ACROSS)

CLIENT

Smart Networks and Services Joint Undertaking (SNS-JU) .

SCOPE

Intelligent network orchestration and monitoring platform enabling zero-touch operations in next-generation networks.

15

Distributed Artificial Intelligence-driven open and programmable architecture for 6G networks (Adroit-6G)

CLIENT

Smart Networks and Services Joint Undertaking (SNS-JU)

SCOPE

Development of AI-enabled, cloud-native 6G architecture validated through drone and industrial IoT trials.

16

Towards a sustainable and accepted 6G for Society (6g4Society)

CLIENT

Smart Networks and Services Joint Undertaking (SNS-JU)

SCOPE

Policy and technical framework ensuring environmental and social alignment of 6G technologies in Europe.

17

ENabling FLexibility provision by all Actors and sectors through markets and digital TEchnologies (Enflate)

CLIENT

European Commission (Horizon Europe)

SCOPE

Development of smart-energy markets and data platforms promoting carbon neutrality and energy efficiency.

18

Digital solutions for improving the sustainability performance and FLEXibility potential of HYDROpower assets (D-Hydroflex)

CLIENT

European Commission (Horizon Europe)

SCOPE

Use of digital twins and AI for optimizing hydropower operation and energy output.

19

Net-Zero self-adaptive activation of distributed self-resilient augmented services (NATWORK)

CLIENT

Smart Networks and Services Joint Undertaking (SNS-JU)

SCOPE

Self-healing and energy-efficient cybersecurity framework for 6G infrastructure resilience.

20

Transforming European Industrial Ecosystems through eXtended Reality enhanced with human-centric AI and secure, 5G-enabled IoT (INDUX-R)

CLIENT

European Commission (Horizon Europe)

SCOPE

Integration of XR, AI, and IoT for industrial innovation and immersive medical training.

21

Engineering Excellence for the Mobility Value Chain (EE4M)

CLIENT

European Commission / Erasmus+

SCOPE

European training initiative for engineers focused on sustainable industrial mobility and resource optimization.

22

Collaborative Open Platform for PILOting services across emerging smart IoT and edge computing environments (COP-PILOT)

CLIENT

European Commission (Horizon Europe)

SCOPE

Open testbed facilitating the deployment of edge-cloud services across multiple industrial domains.

23

Towards the development of a hydRogen valley demonstrating applications in an intEgRated EcoSystem in Greece (TRIERES)

CLIENT

European Commission (Horizon Europe)

SCOPE

Creation of the first Greek hydrogen valley for clean energy production, distribution, and export.

24

Open CloudEdgeIoT Platform Uptake in Large-Scale Cross-Domain Pilots (O-CEI)

CLIENT

European Commission (Horizon Europe)

SCOPE

Open cloud-edge framework for scalable data processing and cross-sectoral collaboration in energy and manufacturing.

25

Harnessing Robotics, XR/AR, and 5G for a New Era of Safe, Sustainable, and Smart Agriculture (AGRIBOT)

CLIENT

European Commission (Horizon Europe)

SCOPE

5G-powered robotic and augmented-reality systems increasing agricultural productivity and worker safety.

26

5G experimentation corridor for cross-border transport and logistics (5G-TRACKS)

CLIENT

European Commission

SCOPE

Establishment of a 5G transport corridor between Greece and Bulgaria for seamless logistics and mobility services.

27

5G-based Transformation of a Cancer Hospital to support patients' treatment in a "home-like" environment (5G-TRACE)

CLIENT

European Commission (Horizon Europe)

SCOPE

Private 5G and AI-enabled system connecting medical devices and patient monitoring to improve hospital care.

28

Greek National Satellite Space Program – Axis 2 (ESA)

CLIENT

Ministry of Digital Governance / European Space Agency

SCOPE

Development of Greece's satellite-data infrastructure for environmental and defense applications.

Let's build
the future
together!

NOVA\ICT

For governments, institutions &
organizations navigating critical
digital transformation, Nova ICT
brings Structure into Complexity.