



Disaster - Resilient Society

TeamAware - Team Awareness Enhanced with Artificial Intelligence and Augmented Reality (SIMAVI Coordinator).

PANTHEON - Community-Based Smart City Digital Twin Platform for Optimised DRM operations and Enhanced Community Disaster Resilience. www.pantheon-project.eu

Search and Rescue - Emerging technologies for the Early location of Entrapped victims under Collapsed Structures and Advanced Wearables for risk assessment and First Responders Safety in SAR operations. www.search-and-rescue.eu

EDF

FEDERATES - FEDerated Ecosystem of euRopean simulation Assets for Training and decision Support. www.federates.eu

eHealth & HealthCare

CVdLink – A federated paradigm of real-world data sources utilization for the empowerment of diagnosis, prognosis and risk assessment of cardiovascular conditions (SIMAVI coordinator). www.cvdlink-project.eu

iBeChange – Addressing psychosocial and lifestyle risk factors to promote primary cancer prevention: An integrated platform to promote behavioural change. www.ibechange.eu

ENACT - Environmental Effect on Health Care and Wellbeing and Active Interventions. www.enact-he.eu

CARING NATURE - ClimAte neutRal INitiatives for GrowiNg heAlth and care Unmet Requirements. www.caringnature.eu

STRATIF-AI - Continuous Stratification for Improved Prevention, Treatment, and Rehabilitation of Stroke Patients Using Digital Twins and AI. www.stratif-ai.eu

PAINLESS - Pain relief in palliative care of cancer using home-based neuromodulation and predictive biomarkers. www.palliativeprojects.eu/painless/

DeepHealth - Deep-Learning and HPC to Boost Biomedical Applications for Health.

Energy and Smart Buildings

EnergyShield - Integrated Cybersecurity Solution for the Vulnerability Assessment, Monitoring and Protection of Critical Energy Infrastructures (SIMAVI Coordinator). www.energy-shield.eu

INTERPED - INTERoperable cloud-based solution for cross-vector planning and management of Positive Energy Districts. www.interped.eu

CyberSEAS - Cyber Securing Energy dAta Services. www.cyberseas.eu

FLEXIGRID - Enabling flexibility in future power grids. www.flexigrid.org

Mobility and Smart Cities

iDriving - Intelligent & Digital Roadway Infrastructure for Vehicles Integrated with Next-Gen Technologies. www.idriving-project.eu

SpurUp - Sustainable Peri-Urban framework for Climate Neutral development. www.spurup.eu

TECHNOLOGIES

GenAI	AI/ML	IoT	Cloud computing
Integration & Inter-operability	Big Data Analytics	GIS	Digital Twins
Cyber-security	Federated Learning	AR/VR/XR	Serious Games
Mobile technologies	Virtual Assistants	Chatbots	AI-based DSS

About SIMAVI

Software Imagination & Vision (SIMAVI) is a Romanian ICT company with extensive expertise in: Cybersecurity & Security, Critical Infrastructures, eHealth, Energy, Mobility and Smart Cities, Industry 5.0, Circular Economy, Computing Technologies, eAgriculture & Food, Smart Communities and Water ecosystems, Green Deal & Environmental Monitoring, Cultural Heritage, XR, Training, ERP & BI, eCustoms, and eGovernment.

SIMAVI has strong experience in R&D projects, having been involved as coordinator, technological partner & integrator in over 90 Horizon Europe and Horizon 2020 projects.

R&D references:

<https://www.simavi.ro/en/rd-projects>

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HORIZON, ERASMUS+, ISF, EDF, DEP PROJECTS

CyberSecurity

PETs4DeFi - Privacy-Enhancing Technologies For Compliant Decentralised Finance

SECUR-EU - Enhancing Security of European SMEs in Response to Cybersecurity Threats (DEP). www.secur-eu.eu

ECHO - European network of Cybersecurity centres and competence Hub for innovation and Operations. www.echonetwork.eu

SPHINX – An Universal Cyber Security Toolkit for health-care industry. www.sphinx-project.eu

SECANT – SECurity And privacy protectionN in Internet of Things devices. www.secant-project.eu

Security for Critical Infrastructures

SAFARI - Semantic, AI-driven Federated Architecture for Resilience and Interoperability.

VIGIMARE - Vigilant Maritime Surveillance of Critical Submarine Infrastructure. www.vigimare.eu

IMPETUS - Intelligent Management of Processes, Ethics and Technology for Urban Safety. www.impetus-project.eu

ENSURESEC - End-to-end Security of the Digital Single Market's E-commerce and Delivery Service Ecosystem. www.ensuresec.eu

Technologies for prevention, investigation and mitigation

TRUTHAWARE - AI-Based System for the Detection of Viral Misinformation through Social Media Analysis. (SIMAVI Coordinator)

FORCET - Intelligent and multimodal new forensic concept analysis

LAW-GAME - An Interactive, Collaborative Digital Gamification Approach to Effective Experiential

Training and Prediction of Criminal Actions. www.lawgame-project.eu

RED-Alert - Real-time Early Detection and Alert System for Online Terrorist Content based on Natural Language Processing, Social Network Analysis, Artificial Intelligence and Complex Event Processing (SIMAVI Coordinator).

CREST - Fighting Crime and Terrorism with an IoT-Enabled Ecosystem of Advanced Intelligence, Operations, And Investigation Technologies. www.project-crest.eu

SPIRIT – Synergies to Protect places of worship and Religious gatherings (ISF). www.spirit-isf.eu

Border & Customs Security

MARITIME - Monitoring and Reporting of Illegal Trafficking and Maritime Enforcement (SIMAVI Coordinator)

MARCONNECT - Securing Europe's Maritime domain against threats through vessel-CONNECTed services (SIMAVI Coordinator). www.marconnect-project.eu

MARSEC - reinforcing EU Maritime security through the integration of Autonomous Real-time Surveillance platforms and Enhanced response and Coordination tools.

CustomAI - AI technologies for enhancing capabilities, greater efficiency and effectiveness for customs. www.customai-project.eu

ODYSSEUS - Unobtrusive Technologies for Secure and Seamless Border Crossing for Travel Facilitation (SIMAVI Coordinator). www.odysseusproject.eu

BorderUAS - Semi-autonomous border surveillance platform combining next generation unmanned aerial vehicles with ultra-high-resolution multi-sensor surveillance payload (SIMAVI Coordinator). www.borderuas.eu

CONNECTOR – Customs extended interoperable Common information sharing environment. www.connector-project.eu

METICOS - A Platform for Monitoring and Prediction of Social Impact and Acceptability of Modern Border Control Technology. www.meticos-project.eu

Industry 5.0, Circular Economy and Computing Technologies

ACCURATE - Achieving Resilience Through Manufacturing As A Service, Digital Twins And Ecosystems (SIMAVI Coordinator). www.accurateproject.eu

COMBO - Multilingual Compliance Assistance Powered by LDS

ECOPILOT - A Conversational PEF Copilot for Safe-and-Sustainable Furniture & Mattresses - From Data Gaps to Design Decisions. www.ecopilot-project.eu

HIVEMIND - Human-centred collaborative Multi-agent framework for accelerating software Development and maintenance. www.hive-mind-project.eu

MATCHMAKER - Open data and industry driven environment for multiphase and multiscale Materials Characterization and Modelling combining physics and data-based approaches. www.he-matchmaker.eu

eAgriculture & Food

AgriDataValue - Smart Farm and Agri-environmental Big Data Space. www.agridatavalue.eu

AGRARIAN - pAce-Air-Ground Last Mile Infrastructure & Dynamic Programmable Distributed Environment For Edge Farming. www.agrarian-project.eu

DEMETER - Building an Interoperable, Data-Driven, Innovative and Sustainable European Agri-Food Sector. www.h2020-demeter.eu

TRIBIOME - Advanced tools for integration and synergistic interconnection of microbiomes in resilient food systems. www.tribiome.eu

EUMINE - European Materials Informatics Network (COST Action). www.eumine-cost.eu

PREDICT-6G - Programmable AI-Enabled Deterministic Networking for 6G. www.predict-6g.eu

NEMO - Next Generation Meta Operating System. www.meta-os.eu

CircThread - Building the Digital Thread for Circular Economy Product, Resource & Service Management. www.circthread.com

KYKLOS 4.0 - An Advanced Circular and Agile Manufacturing Ecosystem based on rapid reconfigurable manufacturing process and individualized consumer preferences. www.kyklos40project.eu

Cultural heritage and Immersive technologies for Training

SHIFT - Metamorphosis of cultural Heritage Into augmented hypermedia assets For enhanced accessibility and inclusion (SIMAVI Coordinator). www.shift-europe.eu

XR4ED - eXtended Reality for Education. www.xr4ed.eu

HECOF - Higher Education Classroom Of the Future (ERAMUS+). www.hecof.eu

PALAEON - A holistic passenger ship evacuation and rescue ecosystem. www.palaemonproject.eu

Green Deal & Environmental Monitoring

GWPPathFinder - Projecting Fluorinated Gas Emission Pathways with GWP Insights for a Sustainable Future.

JUST-BIO-H2 - Promoting a JUST Hydrogen Transition in Africa exploiting bio-hydrogen potential.

SILVANUS - Integrated Technological and Information Platform for wildfire Management. www.silvanus-project.eu

TREEDS - A Holistic Fire Management Ecosystem for Prevention, Detection and Restoration of Environmental Disasters. www.treeds-project.eu

OptFor-EU - OPTimising FOREst management decisions for a low-carbon, climate resilient future in Europe. www.optforeu.eu

NEVERMORE - New Enabling Visions and tools for End-users and stakeholders thanks to a common Modeling framework towards a climate neutral and resilient society. www.nevermore-horizon.eu

Smart Communities and Water ecosystems

ITHACA - artificial Intelligence To enhance Civic participation. www.ithaca-project.eu

ACAB - Accessible Credit for All Businesses (EUROSTARS-3).

LIV-IN - Living Innovation - Co-creating smart futures with industry and citizens. www.living-innovation.net

NAIADES - A holistic water ecosystem for digitisation of urban water sector. www.naiades-project.eu

FLOOD-serv - Public FLOOD Emergency and Awareness Service (SIMAVI Coordinator). www.floodserv-project.eu