

SIMAVI

Software Imagination & Vision

European R&D Projects



+10
R&D
Directions

+ 60
H2020 &
Horizon Europe
projects

+1500
commercial clients
+500
successful projects in
Europe, Middle East,
North Africa,
CIS area

TECHNOLOGIES

Cloud
computing

Digital
Twins

Cybersecurity

AI/ML

Mobile
Technologies

Big Data
Analytics

eXtended
Reality

Serious
Games

IoT

GIS

Data
mining

SIMAVI Brief

Software Imagination & Vision (SIMAVI) is a Romanian ICT SME 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 60 Horizon Europe and Horizon 2020 projects.

R&D references:

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

HORIZON EUROPE HORIZON 2020 ERASMUS + ISF PROJECTS

CyberSecurity



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

SIMARGL - Secure Intelligent Methods for Advanced Recognition of malware and stegomalware. www.simarql.eu

SECANT - SEcurity And privacy protection in Internet of Things devices. www.secant-project.eu

CC-DRIVER - CyberCriminality Driver www.ccdriver-h2020.com

Border Security

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

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

ISOLA - Innovative & Integrated Security System on Board Covering the Life Cycle of a Passenger Ships Voyage. www.isola-project.eu

Technologies for prevention, investigation and mitigation

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). www.redalertproject.eu

PREVISION - PREdiction and Visual Intelligence for Security Information. www.prevision-h2020.eu

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

SpeechXrays - Multi-channel biometrics combining acoustic and machine vision analysis of speech, lip movement and face. www.speechxrays.eu

Security for Critical Infrastructures

IMPETUS - Intelligent Management of Processes, Ethics and Technology for Urban Safety H2020. www.impetus-project.eu

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



Disaster - Resilient Society

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

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

Energy, Mobility and Smart Cities

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

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

eHealth & HealthCare

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

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

MES-CoBraD - Multidisciplinary Expert System for the Assessment & Management of Complex Brain Disorders. www.mes-cobrad.eu

ProCare4Life - Personalized Integrated CARE Solution for Elderly facing several short or long term conditions & enabling a better quality of LIFE. www.procare4life.eu

InteropEHRate - Interoperable EHRs at user edge. www.interopehrate.eu

DeepHealth - Deep-Learning and HPC to Boost Biomedical Applications for Health. www.deephealth-project.eu

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

vCare - Virtual Coaching Activities for Rehabilitation in Elderly. www.vcare-project.eu

inteGRIDy - integrated Smart GRID Cross-Functional Solutions for Optimized Synergetic Energy Distribution, Utilization Storage Technologies. www.integridy.eu

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

Industry 5.0, Circular Economy and Computing Technologies

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

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

PREDICT-6G - PRogrammable AI-Enabled Deterministic neTworking for 6G. www.predict-6g.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

ZDMP - Zero Defects Manufacturing Platform. www.zdmp.eu

ReCiPSS - Resource-efficient Circular Product-Service Systems. www.recipss.eu

FACTLOG - Energy-aware Factory Analytics for Process Industries. www.factlog.eu

eAgriculture & Food

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



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

SILVANUS - Climate resilient forest management platform to prevent and suppress forest fire. www.silvanus-project.eu

TREEADS - A Holistic Fire Management Ecosystem for Prevention, Detection and Restoration of Environmental Disasters. www.treeads-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

EUNOMIA - User-oriented, secure, trustful & decentralised social media. www.eunomia.social

SUPER_MoRRI - Scientific Understanding and Provision of an Enhanced and Robust Monitoring system for RRI. www.super-morri.eu

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