

European R&D Projects

Horizon EUROPE

ERASMUS+

Digital EUROPE

ERA-Net

ISF

Horizon 2020

EUREKA

EDF

+ 80

EUROPEAN
R&D
projects

12

HE Projects as
Coordinator

TECHNOLOGIES

GenAI

AI/ML

IoT

Integration &
Interoperability

Big Data
Analytics

Cloud
computing

Cybersecurity

GIS

Digital
Twins

AI-based
DSS

Federated
Learning

AR/VR/XR

Virtual
Assistants

Mobile
Technologies

Serious
Games

Security

Energy

eCustoms

eGovernment

eTraining

eAgriculture

eHealth

Customized
Applications

Industry 4.0

eLearning

Enterprise Application Suite



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

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

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

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

Border & Customs Security

MARITIME - Monitoring and Reporting of Illegal Trafficking and Maritime Enforcement

MARCONNECT - Securing Europe's MARitime domain against threats through vessel- CONNECTed services (SIMAVI Coordinator).

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

CustomAI - AI technologies for enhancing capabilities, greater efficiency and effectiveness for customs.

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

TRUTHAWARE - AI-Based System for the Detection of Viral Misinformation through Social Media 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)

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



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

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

Security for Critical Infrastructures

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

VIGIMARE - Vigilant Maritime Surveillance of Critical Submarine Infrastructure. <https://vigimare.eu/>

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).

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 - FEDeratedEcosystem of euRopean simulation Assets for Training and decision Support. www.federates.eu

Industry 5.0, Circular Economy & Computing Technologies

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

www accuratoproject.eu

HIVEMIND - Human-centred collaborative Multi-ageNt framework for accelerating software Development and maintenance.

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

PREDICT-6G - PRogrammable AI-Enabled Deterministic networking for 6G. www.predict-6g.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-website.ecancer.org

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

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

ECOPILOT - A Conversational PEF Copilot for Safe-and-Sustainable Furniture & Mattresses - From Data Gaps to Design Decisions

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

ENACT - Environmental Effect on Health Care and Wellbeing and Active Interventions.

CARING NATURE - Climate neutral Initiatives for Growing Health and care Unmet Requirements. www.caringnature.eu

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

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



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

Cultural heritage & XR

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

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

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

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

iDriving - Intelligent & Digital Roadway Infrastructure for Vehicles Integrated with Next-Gen Technologies. <https://idriving-project.eu/>

CyberSEAS - Cyber Securing Energy dAta Services. www.cyberseas.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.flexigrid.org

DEM4PED - Data Exchange Model For Positive Energy Districts.

Smart Communities and Water ecosystems

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

ACAB - Accesible Credit for All Businesses.

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

Green Deal & Environmental Monitoring

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

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

About us

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 a coordinator, technological partner & integrator in over 70 Horizon Europe and Horizon 2020 projects.



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R&D references: <https://www.simavi.ro/en/rd-projects>