

Grant Agreement Register	
Call for proposals "Seal of Excellence under the Synergies program" - DIGIT.2.2.01	
Status:	Open
Allocation:	2.500.000,00 €



No	Reference number of Grant Agreement	Title of project	Date of signing Grant Agreement	Beneficiary	OIB	Type of project (MSCA PF, ERC PoC or EIC Pre-Accelerator)	Project description	Project duration (in months)	Total project amount	Total grant amount
1	DIGIT.2.2.01.001	Utopia as Educational Practice in Architecture: New Methods for Envisioning Transformational Change	8.7.2025.	University of Zagreb Faculty of Architecture	42061107444	MSCA PF	EDUTOPIA promotes experimental and interdisciplinary approaches in architectural education to tackle today's socio-spatial challenges. The project develops new design studio methods that foster transversal thinking and equip students to create meaningful spatial and societal change. Combining insights from architecture, planning, and critical theory, these methods will be tested in education and practice, including real-world planning projects. Results will be shared through an open-access platform to support reforms in architectural academia and promote a broader, more inclusive vision of spatial practice.	30	202.362,00 €	202.362,00 €
2	DIGIT.2.2.01.004	Mechanical performance evaluation and design optimisation of a novel composite support structure for large-capacity offshore wind turbines	16.9.2025.	University of Rijeka, Faculty of Civil Engineering	92037849504	MSCA PF	The project proposes a novel support structure for large-capacity offshore wind turbines: a tapered concrete-filled double-skin steel tube wrapped in carbon-fibre reinforced polymer. This composite aims to improve load-bearing capacity, buckling resistance, corrosion protection, and reduce self-weight compared to conventional monopiles. Mechanical performance and dynamic behaviour under marine conditions will be analysed, and methods for capacity evaluation, bond durability, and structural optimization will be developed, supporting Europe's renewable energy goals and advancing the researcher's expertise.	24	187.631,76 €	187.631,76 €
3	DIGIT.2.2.01.003	GlycoCardio 2023	13.2.2026.	Genos Ltd	17560201884	ERC PoC	The GlycoCardio project aims to translate research on IgG glycans into an innovative cardiovascular disease (CVD) risk prediction test. The project focuses on real-world validation, assessment of responsiveness to lifestyle interventions, and development of the GlycoCardio App for personalized CVD risk management. Key objectives include clarifying sex-specific glycan differences, validating the test in clinical settings, and enabling dynamic risk tracking. Target beneficiaries include individuals at risk of CVD, healthcare providers, researchers, and clinical laboratories. Expected outcomes include validation of IgG glycans as CVD biomarkers, a novel early-detection tool, personalized prevention strategies, and commercialization through GlycanAge Ltd, supporting future regulatory approval and clinical integration.	18	150.000,00 €	150.000,00 €
4	DIGIT.2.2.01.005	CRISPR/dCas9 toolbox for epigenome and genome editing	13.2.2026.	Genos Ltd	17560201884	ERC PoC	CRISPR/Cas9 and CRISPR/dCas9 technologies have transformed epigenetic research, but their wider use is limited by the lack of accessible and flexible toolboxes. A modular CRISPR/dCas9 toolbox was developed, enabling customizable combinations of gRNAs, promoters, effector domains, Cas9 orthologs, and regulatory elements. Expanded within the ERC Synergy project GlycanSwitch, the toolbox now supports manipulation of multiple histone modifications. The proposed PoC aims to create an online EpiGen-toolbox platform to ensure global accessibility, support collaborative development, and validate functionality through use-case experiments for research and pharmaceutical applications.	18	150.000,00 €	150.000,00 €

5	DIGIT.2.2.01.007	Dwelling at the Edge between Land and Sea: An isotope reading of breeding and fishing from the Po Delta to the Adriatic shores, 1st–16th c. CE	2.6.2026.	Institute for Anthropological Research	93710699926	MSCA PF	DELS – Dwelling at the Edge between Land and Sea is an interdisciplinary research project investigating animal management strategies and environmental adaptation in the Northern Adriatic basin from the Roman period to the Renaissance. The study area includes the Po Delta, Venetian Lagoon and Friuli—landscapes shaped by wetlands, river deltas, and lagoon systems. By integrating zooarchaeology, stable isotope analysis, ZooMS, and historical texts, DELS reconstructs long-term dynamics between animals, environments, and human societies in historically marginal but ecologically crucial areas. Through archaeological and documentary evidence, the project explores how past communities responded to environmental, climatic, and political shifts between the 1st and 16th centuries CE.	24	171.791,76 €	171.791,76 €
6	DIGIT.2.2.01.008	Absolutely Calibrated Diffuse Galactic Emission and Spectral Index Maps in the Radio between 400–800 MHz	30.4.2026.	Ruđer Bošković Institute	69715301002	MSCA PF	Project aims to transform our understanding of diffuse Galactic radio emission in the 400–800 MHz band. The Milky Way dominates the radio sky through synchrotron emission from cosmic-ray electrons, but current reference maps, particularly the Haslam 408 MHz survey, are over 40 years old and limited in angular resolution and frequency coverage. SIGMA-R will overcome these shortcomings by combining two state-of-the-art datasets: CHIME, a northern sky radio interferometer, and DRAGONS, a single-dish survey providing absolute calibration. The outcome will be the first absolutely calibrated, high-resolution northern sky maps of total intensity and synchrotron spectral index across this wide frequency range.	24	171.791,76 €	171.791,76 €
7	DIGIT.2.2.01.009	Aromaticity in Motion: Mapping the Fate of Excited States	30.4.2026.	Ruđer Bošković Institute	69715301002	MSCA PF	This project aims to unravel the role of aromaticity in governing molecular dynamics and photoreactivity in excited electronic states. Fundamentally, the research will provide detailed insights into how ultrafast laser pulses interact with molecules (electronic states) of aromatic or antiaromatic character; and for applications, these studies can be of significance for spintronics and advanced imaging technologies. Our approach integrates theoretical modeling of aromaticity, nonadiabatic dynamics simulations, and the computation of time-resolved spectroscopic signals, including photoionization, high-harmonic generation (HHG), and photoelectron circular dichroism, to directly link structural and electronic changes to experimentally observable phenomena. Two prototype systems will be studied in detail: ferrocene, where the interplay of metal-to-ligand charge transfer (MLCT), spin-orbit coupling, and induced ring currents will be explored; and cyclooctatetraene, which serves as a model for geometry-dependent aromatic stabilization.	24	171.791,76 €	171.791,76 €
8	DIGIT.2.2.01.010	Hybrid Synaptic Transistors for Non-volatile Visual Perception and Memory	29.4.2026.	Institute of Physics	77627408491	MSCA PF	The project aims to develop a single compact transistor that combines optical sensing with synaptic plasticity and non-volatile memory. It also involves investigating the synaptic functions and demonstrating visual pattern learning in device arrays. Moreover, the flexibility of InSe and the polymer facilitates their integration on flexible substrates for adaptable and wearable applications. This device can be advanced for in-sensing and in-memory computing systems, as it is scalable, energy-efficient, and easily integrated, paving the way for next-generation bio-inspired electronics.	24	187.631,76 €	187.631,76 €

9	DIGIT.2.2.01.012	BRIGHT	1.6.2026.	TINFE HTS d.o.o.	9637369967	EIC Pre-Accelerator	The BRIGHT project introduces a new generation of digital services for high-throughput fluorescence-based screening, enabling accurate, reproducible, and comparable results across laboratories and instrument platforms. It advances the TINFE dataprocessing technology from TRL 4 to TRL 5, establishing the first cloud-based, reader-agnostic software-as-a-service (SaaS) platform for quantitative fluorescence measurements in research, diagnostics, and industrial applications. Fluorescence assays are foundational across life sciences, analytical and industrial applications but remain constrained by nonlinear distortions, signal variability and inconsistent calibration. BRIGHT overcomes these limitations with a universal fluorescence-data correction layer that delivers reliable, quantitative optical results without additional hardware or manual adjustment.	24	499.537,99 €	349.676,59 €
10	DIGIT.2.2.01.013	VirusHunter (VH) - ONE TEST FOR ANY VIRUS	3.6.2026.	BioDetect Solutions j.d.o.o. for services	96127062103	EIC Pre-Accelerator	VirusHunter is a next generation diagnostic platform designed to detect all clinically relevant viruses in a single test, including novel and emerging pathogens. The main objective of this project is to advance VirusHunter from proof of concept (TRL 4) to a clinically validated prototype ready for further commercial development (TRL 5 to 6). VirusHunter uses membrane based baits that display human host cell receptors to capture viruses directly from patient samples, followed by identification with high resolution mass spectrometry. This enables unbiased, sequence independent detection and overcomes the limitations of current diagnostics that only target predefined viruses.	24	714.285,71 €	500.000,00 €
11	DIGIT.2.2.01.014	Energy AI - ENAI	1.6.2026.	Green Energy Pal d.o.o.	73177945676	EIC Pre-Accelerator	GEP is developing ENAI, an AI-driven energy assistant that enables fast energy information exchange and optimisation of energy consumption, generation and storage for households, SMEs and large enterprises. ENAI combines a conversational LLM interface with advanced RAG toolsets, big-data analytics and automated control options. By linking metering data, tariffs, weather forecasts and contextual user information, ENAI delivers accurate insights, reduces energy costs, automates customer-service workflows and supports operational decision-making for energy suppliers and energy equipment operators. Technology is currently at TRL-4, validated in a controlled lab environment using real operational datasets and simulated usage scenarios. Through this project, ENAI will advance through TRL-5 to TRL-6 by expanding data sources, developing intelligent control mechanisms, optimising backend and algorithm operations, and deploying pilots with households, SMEs, public buildings, and large energy companies. Target KPIs include 90% recommendation accuracy, 98% system uptime and 20% energy cost savings for end-users.	24	711.875,00 €	498.312,50 €

12	DIGIT.2.2.01.015	RouteShield-PNT — Route Integrity & Off-Route Prevention with Resilient PNT (Positioning, Navigation and Timing)	2.6.2026.	ELNAV.AI d.o.o	27049899818	EIC Pre-Accelerator	RouteShield-PNT improves maritime route integrity by detecting GNSS manipulation and preventing silent off-route drift on ship bridges. The project will mature a vendor-agnostic bridge-network module that checks whether GNSS position and time remain consistent with independent onboard evidence: automatic radar-to-ENC shoreline alignment, DR/INS innovation tests, echosounder depth compared with charted soundings, and independent time verification. The main target groups are ship operators and bridge-equipment stakeholders exposed to GNSS interference risk, especially harbour and coastal vessels such as ferries, tugs and feeders, deep-sea cargo ships and tankers during approaches, and offshore wind support vessels. The system will provide standard Bridge Alert Management alerts over IEC 61162-450/-460 so warnings can appear in existing bridge HMIs/CAMs without adding a separate operator interface. Within 24 months, the project aims to reach TRL 6 through bench validation and harbour/coastal pilots. The expected impact is safer navigation, stronger European PNT resilience, reduced risk of grounding or off-route incidents, lower bridge workload during interference events, and a practical path to market through retrofit sales and OEM licensing.	24	700.000,00 €	490.000,00 €
13	DIGIT.2.2.01.016	CONVIA - Multimodal Temporal Intelligence for Real-Time Knowledge Extraction from Audio-Visual Content Streams	2.6.2026.	3MI lab d.o.o.	HR49145205842	EIC Pre-Accelerator	CONVIA is a next-generation multimodal AI platform that transforms spoken, audio, and video content into domain-adaptive knowledge in real time - powered by advanced unsupervised and semi-supervised learning architectures. CONVIA addresses a critical inefficiency in how organizations extract intelligence from multimedia content. CONVIA is the first multimodal temporal intelligence platform that transforms spoken, audio, and video content into structured, verifiable knowledge graphs in real time. Unlike language models that process only text, or speech tools that merely transcribe, CONVIA simultaneously analyzes acoustic patterns, visual context, and linguistic content while tracking how knowledge and narratives evolve over time.	24	499.999,00 €	349.999,30 €
14	DIGIT.2.2.01.017	GRIDTWIN-TSO: DEEP-TECH DIGITAL TWIN FOR TSO TRANSFORMER BEHAVIOUR, OVERLOAD MANAGEMENT AND ASSET INTELLIGENCE	2.6.2026.	UniFive Energy d.o.o.	41574157495	EIC Pre-Accelerator	GRIDTWIN-TSO develops and validates a deep-tech digital twin solution that provides real-time, high-resolution insight into transformer behaviour in transmission networks with high renewable penetration and congestion. Transmission System Operators (TSOs), such as the Croatian TSO operating in Dalmatia, face significant operational and financial pressure due to transformer overloading, dynamic thermal stress, and increasingly volatile grid conditions. Today, these operators lack continuous asset-level observability and rely on coarse, slow or incomplete measurements, resulting in costly remedial actions and reduced ability to safely integrate renewable energy.	24	696.500,00 €	487.550,00 €

15	DIGIT.2.2.01.018	BRIDGE – Bidsale for Real estate Innovation and Decision-making Grounded in Equity	1.6.2026.	VendueTech j.d.o.o.	91547407253	EIC Pre-Accelerator	The BRIDGE project aims to advance its deep-tech platform from Technology Readiness Level (TRL) 4 to TRL 6. The specific objective is to democratize the fragmented European distressed property auction market by making it transparent, fair, and accessible to citizens and investors. The project seeks to integrate all core platform components and validate a system demonstrator in relevant, cross-border environments. The objectives will be achieved through a systems-engineering approach combining modular architecture and iterative prototyping.	24	709.250,00 €	496.475,00 €
16	DIGIT.2.2.01.019	IgG based Early and Precise Multimodal Diagnostics for ALS	2.6.2026.	dAlgnostics	58352432266	EIC Pre-Accelerator	NeuroFuse develops an early, precise and minimally invasive diagnostic platform for amyotrophic lateral sclerosis (ALS), based on the functional response of neural cells to patient-derived IgG antibodies. It builds on the dAlgnostics proof-of-concept, which showed that ALS patient IgGs induce measurable physiological changes in neural cells, and advances the technology from TRL 4 to an integrated TRL 6 prototype. The project will validate a multimodal workflow combining three ALS-relevant biomarkers: calcium signalling dynamics, reactive oxygen species generation and vesicular/lysosomal activity. Signals will be acquired using the NIMOCHIP™ microfluidic platform and analysed through dedicated AI pipelines. A Bayesian fusion engine will integrate the outputs into one probabilistic diagnostic score with uncertainty quantification and explainable logic. The target groups are ALS patients, neurologists, diagnostic laboratories, ALS centres, clinical researchers and pharmaceutical companies developing ALS therapies.	24	704.837,83 €	493.386,48 €
17	DIGIT.2.2.01.020	DEEPLIMA – DEEP TECH PLATFORM FOR AI-DRIVEN CLIMATE RISK INTELLIGENCE	2.6.2026.	ALTAcon d.o.o.	93017443977	EIC Pre-Accelerator	DEEPLIMA – Deep Tech Platform for AI-Driven Climate Risk Intelligence is a project developed by Altacon d.o.o. that aims to transform climate risk assessment through physics-informed AI and multi-hazard digital twin technology. The project advances the existing Climatig.com SaaS platform from TRL 4 to TRL 6 over 24 months. The project pursues two core objectives: building a next-generation AI platform that predicts and explains climate risks in real time, and validating a scalable business model for market entry. It integrates Physics-Informed Neural Networks (PINNs), Graph Neural Networks (GNNs), and spatio-temporal transformers to model cascading hazards — floods, heatwaves, droughts, and landslides — at sub-1 km resolution with full explainability. Target Groups and primary beneficiaries include financial institutions, insurers, infrastructure operators, and public authorities requiring regulatory-compliant climate risk analytics. In addition, citizens will be served through the public platform.	24	487.100,00 €	340.970,00 €
18	DIGIT.2.2.01.021	Next-generation AI agent for scalable cybersecurity	3.6.2026.	Secure Block d.o.o.	68170225840	EIC Pre-Accelerator	Secure Block d.o.o. proposes an AI-driven, fully automated penetration-testing agent as a standalone module or an add-on to our proprietary PentestPad platform. The agent functions as a virtual pentest specialist: it ingests contextual inputs (architecture, tech stack, imported scanner outputs), autonomously plans and executes internal security tests, confirms findings with reproducible proof-of-concepts, and generates compliance-grade remediation reports, all without requiring deep security expertise from the operator. The majority of European SMEs and many larger organisations lack in-house offensive security expertise, rely on expensive external consultants, and struggle to run regular, compliant security assessments (NIS2, DORA). This creates persistent exposure to preventable risks. Our agent combines structured security logic, dynamic test orchestration and orchestration of safe attack simulations, plus explainable AI reasoning to prioritize and validate findings.	12	430.625,00 €	301.437,50 €

19	DIGIT.2.2.01.022	GlycoDiaRisk	1.6.2026.	Glycanage d.o.o.	29562597844	EIC Pre-Accelerator	GlycanAge, founded in 2019, is pioneering the first clinical diagnostic solution for ultra-early risk detection and assessment of type 2 diabetes, based on advanced plasma glycans profiling. GlycanAge targets the €30B diabetes diagnostics market that still relies on late-stage biomarkers such as blood glucose and HbA1c, limiting prevention opportunities. Our mission is to facilitate widespread adoption of glycan-based diagnostics across healthcare systems, reducing the global burden of T2D and resulting in billions of euros in annual healthcare savings. With DIGIT support, we aim to develop a laboratory-developed test (LDT) prototype and validate its performance in a realistic hospital environment, achieving TRL6 and establishing the foundation for clinical validation and regulatory approval of the first-ever glycomics-based clinical diagnostic tool on the market.	24	712.650,33 €	498.855,23 €
								Total	8.259.661,66 €	6.199.663,40 €