



## **Portfolio of EU-funded Earth Observation Projects**

***This portfolio includes a selection of projects from the  
Horizon 2020 and Horizon Europe  
Research and Innovation Programmes***

Date: 23-04-2024

Research and  
Innovation

## Portfolio of EU-funded Earth Observation Projects

### Running projects (April 2024).

Acronym (incl. CORDIS link)	Title	Project website
<a href="#">OBSGESSION</a>	Observation Of Ecosystem Changes for Action	<a href="https://obsqession.eu/">https://obsqession.eu/</a>
<a href="#">AD4GD</a>	All Data 4 Green Deal - An Integrated, FAIR Approach for the Common European Data Space	<a href="https://ad4gd.eu/">https://ad4gd.eu/</a>
<a href="#">Arctic PASSION</a>	Pan-Arctic observing System of Systems: Implementing Observations for societal Needs	<a href="https://arcticpassion.eu/">https://arcticpassion.eu/</a>
<a href="#">B3</a>	Biodiversity Building Blocks for policy	<a href="https://www.b-cubed.eu/">https://www.b-cubed.eu/</a>
<a href="#">B-USEFUL</a>	User-oriented Solutions for Improved Monitoring and Management of Biodiversity and Ecosystem services in vulnerable European Seas	<a href="https://b-useful.eu/">https://b-useful.eu/</a>
<a href="#">CiROCCO</a>	Enhancing the In-situ Environmental Observations across Under-sampled Deserts	<a href="https://cirocco-project.eu/">https://cirocco-project.eu/</a>
<a href="#">CitiObs</a>	Enhancing Citizen Observatories for healthy, sustainable, resilient and inclusive cities	<a href="https://citiobs.eu/">https://citiobs.eu/</a>
<a href="#">CompAir</a>	Community Observation Measurement & Participation in AIR Science	<a href="https://wecompair.eu/">https://wecompair.eu/</a>
<a href="#">E4Warning</a>	Eco-Epidemiological Intelligence for early Warning and response to mosquito-borne disease risk in Endemic and Emergence settings	<a href="https://www.e4warning.eu/">https://www.e4warning.eu/</a>
<a href="#">EIFFEL</a>	Revealing the Role of GEOSS as The Default Digital Portal for Building Climate Change Adaptation & Mitigation Applications	<a href="https://www.eiffel4climate.eu/">https://www.eiffel4climate.eu/</a>
<a href="#">EO4EU</a>	AI-augmented ecosystem for Earth Observation data accessibility with Extended reality User Interfaces for Service and data exploitation.	<a href="https://eo4eu.eu/">https://eo4eu.eu/</a>
<a href="#">EULIAA</a>	European Lidar Array for Atmospheric Climate Monitoring	<a href="https://www.euliaa.eu/">https://www.euliaa.eu/</a>
<a href="#">EuroGEOsec</a>	Establishing the EuroGEO Secretariat to support the EuroGEO initiative	<a href="https://www.eurogeosec.eu/">https://www.eurogeosec.eu/</a>
<a href="#">FAIRiCUBE</a>	F.A.I.R. information cube	<a href="https://fairicube.eu">https://fairicube.eu</a>
<a href="#">GPP</a>	GEOSS Platform Plus	<a href="https://geosspatformplus.com/">https://geosspatformplus.com/</a>
<a href="#">GREENGAGE</a>	Engaging citizens - mobilizing technology - delivering the green deal	<a href="https://www.greengage-project.eu/">https://www.greengage-project.eu/</a>
<a href="#">GUARDEN</a>	safeGUARDing biodivErsity aNd critical ecosystem services across sectors and scales	<a href="https://guarden.org/">https://guarden.org/</a>
<a href="#">HARMONIA</a>	Development of a Support System for Improved Resilience and Sustainable Urban areas to cope with Climate Change and Extreme Events based on GEOSS and Advanced Modelling Tools	<a href="http://harmonia-project.eu/">http://harmonia-project.eu/</a>
<a href="#">LandSeaLot</a>	Land-Sea interface: Let's observe together!	

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<a href="#">MISO</a>	Autonomous Multi-Format In-Situ Observation Platform for Atmospheric Carbon Dioxide and Methane Monitoring in Permafrost & Wetlands	<a href="https://www.miso-he.eu/">https://www.miso-he.eu/</a>
<a href="#">MoRe4nature</a>	Empowering citizens in collaborative environmental compliance assurance via MONitoring, REporting and action	<a href="https://more4nature.eu/">https://more4nature.eu/</a>
<a href="#">OneAquaHealth</a>	Protecting urban aquatic ecosystems to promote One Health	<a href="https://www.oneaquahealth.eu/">https://www.oneaquahealth.eu/</a>
<a href="#">OEMC</a>	Open-Earth-Monitor Cyberinfrastructure	<a href="https://earthmonitor.org/">https://earthmonitor.org/</a>
<a href="#">PROTECT</a>	Preparing a Pre-Commercial Procurement for end-user services based on environmental observation in the area of climate change adaptation and mitigation	<a href="https://www.protect-pcp.eu/">https://www.protect-pcp.eu/</a>
<a href="#">RemoTrees</a>	A new technology of in-situ observation datasets to address climate change effects in hard-to-reach forest areas	<a href="https://www.remotrees.eu">https://www.remotrees.eu</a>
<a href="#">SOCIO-BEE</a>	Wearables and droneS fOr City Socio-Environmental Observations and BEhavioral ChangE	<a href="https://socio-bee.eu">https://socio-bee.eu</a>
<a href="#">SUSTUNTECH</a>	Sustainable tuna fisheries through advanced earth observation technologies	<a href="https://www.sustuntech.eu/">https://www.sustuntech.eu/</a>
<a href="#">SYLVA</a>	A SYstem for reaL-time obserVation of Aeroallergens	<a href="https://sylva.bioaerosol.eu/">https://sylva.bioaerosol.eu/</a>
<a href="#">TEMBO Africa</a>	Transformative Environmental Monitoring to Boost Observations in Africa	<a href="https://temboafrika.eu/">https://temboafrika.eu/</a>
<a href="#">UAWOS</a>	Unmanned Airborne Water Observing System	<a href="https://uawos.dtu.dk/">https://uawos.dtu.dk/</a>
<a href="#">Urban ReLeaf</a>	Citizen-powered data ecosystems for inclusive and green urban transitions	<a href="https://urbanreleaf.eu/">https://urbanreleaf.eu/</a>
<a href="#">USAGE</a>	Urban Data Spaces for Green dEal	<a href="https://www.usage-project.eu/">https://www.usage-project.eu/</a>
<a href="#">AI4PEX</a>	Artificial Intelligence and Machine Learning for Enhanced Representation of Processes and Extremes in Earth System Models	
<a href="#">CERTAINTY</a>	Cloud-aERosol inTeractions & their impActs IN The earth sYstem	<a href="https://certainty-aci.eu/">https://certainty-aci.eu/</a>
<a href="#">CHARTER</a>	Drivers and Feedbacks of Changes in Arctic Terrestrial Biodiversity	<a href="https://www.charter-arctic.org/">https://www.charter-arctic.org/</a>
<a href="#">CleanCloud</a>	Clouds and climate transitioning to post-fossil aerosol regime	<a href="https://projects.au.dk/cleancloud/cleancloud-project">https://projects.au.dk/cleancloud/cleancloud-project</a>
<a href="#">CRiceS</a>	Climate relevant interactions and feedbacks: the key role of sea ice and snow in the polar and global climate system	<a href="https://www.crices-h2020.eu/">https://www.crices-h2020.eu/</a>
<a href="#">EXPECT</a>	Towards an Integrated Capability to Explain and Predict Regional Climate Changes	
<a href="#">FOCI</a>	Non-CO2 Forcers and their Climate, Weather, Air Quality and Health Impacts	<a href="https://www.project-foci.eu/">https://www.project-foci.eu/</a>

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<a href="#">GreenFeedBack</a>	Greenhouse Gas Fluxes and Earth System Feedbacks	<a href="https://eu-greenfeedback.com/">https://eu-greenfeedback.com/</a>
<a href="#">LANDMARC</a>	LAND-use based MitigAtion for Resilient Climate pathways.	<a href="https://www.landmarc2020.eu/">https://www.landmarc2020.eu/</a>
<a href="#">NextGEMS</a>	Next Generation Earth Modelling Systems	<a href="https://nextgems-h2020.eu">https://nextgems-h2020.eu</a>
<a href="#">RESCUE</a>	Response of the Earth System to overshoot, Climate neUtrality and negative Emissions	<a href="https://www.rescue-climate.eu/">https://www.rescue-climate.eu/</a>
<a href="#">SCORE</a>	Smart Control of the Climate Resilience in European Coastal Cities	<a href="https://score-eu-project.eu/">https://score-eu-project.eu/</a>
<a href="#">ACCIBERG</a>	Arctic Cross-Copernicus forecast products for sea Ice and iceBERGs	<a href="https://acciberg.nersc.no/">https://acciberg.nersc.no/</a>
<a href="#">CAMAERA</a>	CAMS AERosol Advancement	
<a href="#">CAMEO</a>	CAMS EvOlution	<a href="https://www.cameo-project.eu/">https://www.cameo-project.eu/</a>
<a href="#">CATRINE</a>	Carbon Atmospheric Tracer Research to Improve Numerics and Evaluation	
<a href="#">CENTAUR</a>	Copernicus Enhanced Tools For Anticipative Response To Climate Change In The Emergency And Security Domain	<a href="https://centaur-horizon.eu/">https://centaur-horizon.eu/</a>
<a href="#">CERISE</a>	CopERnIcus climate change Service Evolution	<a href="https://www.cerise-project.eu/">https://www.cerise-project.eu/</a>
<a href="#">COMPASS</a>	COMPOund extremes Attribution of climate change: towards an operational Service	
<a href="#">CORSO</a>	CO2MVS Research on Supplementary Observations	<a href="https://www.corso-project.eu/">https://www.corso-project.eu/</a>
<a href="#">EVOLAND</a>	Evolution Of The Copernicus Land Service Portfolio Integrating Novel EO Data And Latest Machine Learning Algorithms to Continuously Monitor The Status, Dynamics And Biomass Of The Land Surface	<a href="https://www.evo-land.eu/">https://www.evo-land.eu/</a>
<a href="#">FOCCUS</a>	Forecasting and observing the open-to-coastal ocean for Copernicus users	
<a href="#">NECCTON</a>	New Copernicus capability for trophic ocean networks	<a href="https://www.neccton.eu/">https://www.neccton.eu/</a>
<a href="#">SDGs-EYES</a>	Sustainable Development Goals - Enhanced monitoring through the family of copErnicus Services	<a href="https://sdgs-eyes.eu/">https://sdgs-eyes.eu/</a>
<a href="#">SEED-FD</a>	Strengthening Extreme Events Detection for Flood and Drought	
<a href="#">BioEcoOcean</a>	Co-Creating Transformative Pathways to Biological and Ecosystem Ocean Observations	
<a href="#">EPOC</a>	Explaining and Predicting the Ocean Conveyor	<a href="https://epoc.blogs.uni-hamburg.de/">https://epoc.blogs.uni-hamburg.de/</a>
<a href="#">ObsSea4Clim</a>	Ocean observations and indicators for climate and assessments.	<a href="https://obssea4clim.eu/">https://obssea4clim.eu/</a>

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<a href="#">OCEAN ICE</a>	Ocean Cryosphere Exchanges in ANtarctica: Impacts on Climate and the Earth system	<a href="https://ocean-ice.eu/">https://ocean-ice.eu/</a>
<a href="#">OceanICU</a>	Ocean-ICU Improving Carbon Understanding	<a href="https://ocean-icu.eu/">https://ocean-icu.eu/</a>
<a href="#">POMP</a>	Polar Ocean Mitigation Potential	<a href="https://pomp-project.eu/">https://pomp-project.eu/</a>
<a href="#">SEA-Quester</a>	Blue Carbon production, export and sequestration in emerging polar ecosystems.	
<a href="#">SoilWise</a>	An open access knowledge and data repository to safeguard soils	<a href="https://soilwise-he.eu/">https://soilwise-he.eu/</a>
<a href="#">DiverSea</a>	Integrated Observation, Monitoring and Prediction Architecture for Functional Biodiversity of Coastal Seas	
<a href="#">EuropaBON</a>	Europa Biodiversity Observation Network: integrating data streams to support policy	<a href="https://europabon.org/">https://europabon.org/</a>
<a href="#">MARCO-BOLO</a>	MARine COastal BiODiversity Long-term Observations	<a href="https://marcobolo-project.eu/">https://marcobolo-project.eu/</a>
<a href="#">OBAMA-NEXT</a>	Observing And Mapping Marine Ecosystems – Next Generation Tools	<a href="https://obama-next.eu/">https://obama-next.eu/</a>
<a href="#">AtlantECO</a>	Atlantic ECOsystems assessment, forecasting & sustainability	<a href="https://www.atlanteco.eu/">https://www.atlanteco.eu/</a>
<a href="#">CERBERUS</a>	Multiplatform Field Surveillance for Integral Crop Health, Early Detection and Actuation	<a href="https://cerberusproject.eu/">https://cerberusproject.eu/</a>
<a href="#">DOORS</a>	Developing Optimal and Open Research Support for the Black Sea	<a href="http://www.doorsblacksea.eu">http://www.doorsblacksea.eu</a>
<a href="#">I-CHANGE</a>	Individual Change of HABits Needed for Green European transition.	<a href="https://ichange-project.eu/">https://ichange-project.eu/</a>
<a href="#">ILIAD</a>	Integrated Digital Framework for Comprehensive Maritime Data And Information Services	<a href="https://www.ocean-twin.eu/">https://www.ocean-twin.eu/</a>
<a href="#">STELLA</a>	Digital technologies for plant health, early detection, territory surveillance and phytosanitary measures	

**Recently closed projects**

Acronym (incl. CORDIS link)	Title
<a href="#">CoCO2</a>	Prototype system for a Copernicus CO2 service
<a href="#">ENVISION</a>	Monitoring of Environmental Practices for Sustainable Agriculture Supported by Earth Observation
<a href="#">NextLand</a>	Next Generation Land Management services for Agriculture and Forestry
<a href="#">SAFERS</a>	Structured Approaches for Forest fire Emergencies in Resilient Societies
<a href="#">AI4Copernicus</a>	Reinforcing the AI4EU Platform by Advancing Earth Observation Intelligence, Innovation and Adoption
<a href="#">Goldeneye</a>	Earth observation and Earth GNSS data acquisition and processing platform for safe, sustainable and cost-efficient mining operations
<a href="#">TRIATLAS</a>	Tropical and South Atlantic - climate-based marine ecosystem prediction for sustainable management
<a href="#">VITIGEOSS</a>	Vineyard Innovative Tool based on the InteGration of Earth Observation Services and in-field Sensors
<a href="#">AtlantOS</a>	Optimizing and Enhancing the Integrated Atlantic Ocean Observing System
<a href="#">CAPARDUS</a>	Capacity-building in Arctic standardisation development
<a href="#">ECOPOTENTIAL</a>	Ecopotential: Improving Future Ecosystem Benefits Through Earth Observations
<a href="#">EDGE</a>	European Direction in GEOSS Common Infrastructure Enhancements
<a href="#">ERA-PLANET</a>	The European network for observing our changing planet
<a href="#">e-shape</a>	EuroGEO Showcases: Applications Powered by Europe
<a href="#">FIRE</a>	An industry-led Forum for Innovation and Research in European Earth Observation
<a href="#">GEO-CRADLE</a>	Coordinating and integRating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East, and Balkans and Developing Links with GEO related initiatives towards GEOSS
<a href="#">Ground Truth 2.0</a>	Ground Truth 2.0 - Environmental knowledge discovery of human sensed data
<a href="#">GROW</a>	GROW Observatory
<a href="#">HYPERNETS</a>	A new hyperspectral radiometer integrated in automated networks of water and land bidirectional reflectance measurements for satellite validation
<a href="#">LANDSENSE</a>	A Citizen Observatory and Innovation Marketplace for Land Use and Land Cover Monitoring

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Acronym (incl. CORDIS link)	Title
<a href="#">MELOA</a>	Multi-purpose/Multi-sensor Extra Light Oceanography Apparatus
<a href="#">MONOCLE</a>	Multiscale Observation Networks for Optical monitoring of Coastal waters, Lakes and Estuaries
<a href="#">NextGEOSS</a>	Next Generation GEOSS for Innovation Business
<a href="#">SCENT</a>	Smart Toolbox for Engaging Citizens into a People-Centric Observation Web
<a href="#">TWIGA</a>	Transforming Weather Water data into value-added Information services for sustainable Growth in Africa
<a href="#">WeObserve</a>	An Ecosystem of Citizen Observatories for Environmental Monitoring
<a href="#">Blue-Action</a>	Arctic Impact on Weather and Climate
<a href="#">VERIFY</a>	Observation-based system for monitoring and verification of greenhouse gases
<a href="#">INTAROS</a>	Integrated Arctic observation system
<a href="#">APPLICATE</a>	Advanced Prediction in Polar regions and beyond: Modelling, observing system design and Linkages associated with Arctic Climate change