



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

## Research Projects – SDG13 (35P&10C)

Funding Source	Program	Year	UNIVAQ role	Title	Website /Contract Number	UNIVAQ Coordinator
European Research Funds	H2022	2023	PARTNER	<i>A Digital value chain Integration Traceability framework for process industries for Circularity and low Emissions by waste reduction and use of secondary raw materials (DigInTraCE)</i>	<a href="https://cordis.europa.eu/project/id/101091801">https://cordis.europa.eu/project/id/101091801</a>	D'INNOCENZO ALESSANDRO
European Research Funds	SPS G5936	2022	PARTNER	<i>Ultralight, wearable Solar Cells As Portable Electricity source (ESCAPE)</i>	<a href="https://www.hit.ac.il/en/news/news-and-stories/ESCAPE_grant">https://www.hit.ac.il/en/news/news-and-stories/ESCAPE_grant</a>	PASSACANTANDO MAURIZIO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>H2ICE: development of a hydrogen fueled hybrid powertrain for urban buses</i>	PRIN PE8_5	CIPOLLONE ROBERTO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>SnowMed - Apennine snow cover in the Mediterranean climate region: multi-sensor data, observations, modeling and trend analysis</i>	PRIN PE10_18	TUCCELLA PAOLO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Enhanced Energy-Saving Powertrains for Freight E-Transportation</i>	PRIN PE7_2	BUCCELLA CONCETTINA
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>"THE-METHER" – THERmometric Method Enhancement for building wall THERmal Resistance evaluation</i>	PRIN PE8_3	AMBROSINI DARIO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Research and development of polymeric materials endowed with thermally and electrical conductivity properties based on graphene/copper coating and foams for the implementation of innovative heat exchangers</i>	PRIN PE8_11	PAOLETTI ALFONSO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Multi-phase fault tolerant MW range generation systems for hybrid-electric aircrafts</i>	PRIN PE7_2	TURSINI MARCO



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Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Exploring Atmospheric Rivers in the Mediterranean and their connection with extreme hydrometeorological events over Italy: observation, modelling and impacts (ARME)</i>	PRIN PE10_2	VARDECCHIA MARCO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Witching from petro- to bio-based chemistry: deoxydehydration reaction as versatile tool for the production of olefins from natural polyols</i>	PRIN PE4_10	CRUCIANCELLI MARCELLO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Recycling of ferromagnets WEEE containing rare earths: transforming unproductive waste to high added value catalysts</i>	PRIN PE8_11	VEGLIÒ FRANCESCO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<b>CarbonCity</b> : a prototype observing system for the continuous measurement of city-scale carbon dioxide net emissions	PRIN PE10_3	CURCI GABRIELE
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Gases with nanoparticles as working fluid for CSP technologies (nanocSP)</i>	PRIN PE8_6	DI BATTISTA DAVIDE
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Geomatic techniques for monitoring climate change Territorial Effects and disaster risk Management – GEOTEM</i>	PRIN PE8_3	DOMINICI DONATELLA
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Smart Under-Ground Infra-Structures for Secure Communities and Post-Disaster Emergency Response: Eco-Friendly Seismic Protection Solutions</i>	PRIN PE8_3	FERRETTI MANUEL
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Production, characterization and testing of advanced biofuels from hydrothermal liquefaction (HTL) of manure and sludge anaerobic digestates: from the bench scale chemical reactor to the overall renewable energy community</i>	PRIN PE8_6	FATIGATI FABIO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<b>BAT-MEN</b> (BATtery Modeling, Experiments & Numerics) - Enhancing battery lifetime: mathematical modeling, numerical simulations and AI parameter estimation techniques for description and control of material localization processes	PRIN PE1_18	D'AMBROSIO RAFFAELE
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Nonlinear Operando Tools for Batteries Diagnostics (NOTBAD)</i>	PRIN PE3_9	MARINI ANDREA
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Organic Solar Cells: identification and removal of charge recombination pathways</i>	PRIN P5_2	ASCHI MASSIMILIANO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Some mathematical approaches to climate change and its impacts</i>	PRIN PE1_11	DONATELLI DONATELLA
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Engineered robust-composite photoelectrodes with enhanced durability and solar-to chemical energy conversion</i>	PRIN PE11_5	CANTALINI CARLO



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Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>PBLHsat-Machine learning-based improvement of planetary boundary layer height from atmospheric model simulations using CALIOP satellite and ACTRIS Earlinet ground-based lidar observations</i>	PRIN PE10_2	CURCI GABRIELE
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>SHEEP: Symmetry-broken HEterostructurEs for Photovoltaic applications</i>	PRIN PE3_4	BISTI FEDERICO
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>PROtotype of Marine natural hazard Early-warning sysTem based on Ensemble fOrecasting (PROMETEO)</i>	PRIN PE10_8	FERRETTI ROSSELLA
Italian Research Funds	MIUR - PRIN	2022/23	PARTNER	<i>Innovative nanomaterials as electrocatalysts for hydrogen evolution reaction - (IVANOHE)</i>	PRIN 17G22001230005	ANTONIO POLITANO
IT&EE Funds (Public)	ASI- INF	2022	PARTNER	<i>Comprehensive spAce wEather Studies for the ASPIS prototype Realization - CAESAR</i>	<a href="https://caesar.iaps.inaf.it/">https://caesar.iaps.inaf.it/</a> ASI-INAF n.2020-35-HH.0	PIETROPAOLO ERMANN0
IT&EE Funds (Public)	PON	2023	PARTNER	<i>Monitoraggio coltivazioni e zone marine costiere: Tecnologie satellitari di nuova generazione (OCEANOS)</i>	ARS01_00536	LOZZI LUCA
IT&EE Funds (Public)	ASI	2022	PARTNER	<i>PRIMARY: PRISma for Monitoring AiR quality</i>	Contract 819/2022/00	CURCI GABRIELE
IT&EE Funds (Public)	MISE-ENEA	2022/23	PARTNER	<i>Stima dei valori di campo elettromagnetico disperso associato a sistemi di trasferimento di energia/ricarica</i>	Contract 1249/2023/ 11/2023	CAMPI TOMMASO
IT&EE Funds (Public)	ASI	2022/23	PARTNER	<i>Ricerca e Sviluppo di soluzioni basate sull'integrazione sinergica di tecnologie Rail &amp; Road</i>	Convenzione 10666/2022/164/2022 del 01.02.2	COSTANZO MANES
IT&EE Funds (Public)	MASE	2022/23	PARTNER	<i>Programma sperimentale di interventi per l'adattamento ai cambiamenti climatici in ambito urbano</i>	Convenzione 902/2022/4/2022	CURCI GABRIELE
European Research Funds	H2020	2019	PARTNER	<i>Biomass Low cost Advanced Zero Emission small-to-medium scale integrated gasifier fuel cell combinedheat and power plant - BLAZE</i>	<a href="https://cordis.europa.eu/project/id/815284">https://cordis.europa.eu/project/id/815284</a>	ANDREA DI CARLO
European Research Funds	H2020	2019	PARTNER	<i>Next generation metamaterial-based SMART andFLEXible Optical Solar Reflectors - SMART-FLEX</i>	<a href="https://cordis.europa.eu/project/id/821932">https://cordis.europa.eu/project/id/821932</a>	LUCA LOZZI



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European Research funds	INTERREG Italy-Greece	2021	PARTNER	<i>BEST – Addressing joint Agro and Aqua Biodiversity pressures Enhancing SuSTainable Rural Development (Analisi della dinamica evolutiva del litorale nei tratti di costa dell'area dell'azione pilota 1 ed implementazione di sistemi di smart monitoring)</i>	<a href="https://interregbest.eu/en/">https://interregbest.eu/en/</a>	MARCELLO DI RISIO
European Research funds	INTERREG Italy-Croatia	2021	PARTNER	<i>MIMOSA - Maritime and Multimodal Sustainable Passenger Transport solutions and services</i>	<a href="https://www.italy-roatia.eu/web/mimosa">https://www.italy-roatia.eu/web/mimosa</a>	GINO D'OVIDIO
Italian Research Funds	ASI	2021	PARTNER	<i>SMIVIA - Snow-mantle Modeling, Inversion and Validation using multi-frequency multi-mission InSAR in central Apennine (Modellistica, Inversione e Validazione del manto Nevoso usando Interferometria SAR multi-frequenza multi-missione in Appennino centrale)</i>	<a href="https://www.asi.it/wp-content/uploads/2021/11/05_Deodato_Tape_t_e_SARMultifrequenza.pdf">https://www.asi.it/wp-content/uploads/2021/11/05_Deodato_Tape_t_e_SARMultifrequenza.pdf</a>	PAOLO TUCCELLA
Italian Research Funds	PRIN- MIUR	2017	PARTNER	<i>Redox-activity and Health-effects of Atmospheric Primary and Secondary aerosol - RHAPS</i>	<a href="https://www.isac.cnr.it/en/projects/prin-2017-redox-activity-and-health-effects-atmospheric-primary-and-secondary-aerosol">https://www.isac.cnr.it/en/projects/prin-2017-redox-activity-and-health-effects-atmospheric-primary-and-secondary-aerosol</a>	GABRIELE CURCI
IT&EE Funds (Public)	MIUR	2021	COORDINATOR	<i>Potenziamento della componente italiana della Infrastruttura di Ricerca Aerosol, Clouds and Trace Gases Research Infrastructure - PER-ACTRIS-IT</i>	<a href="https://www.isac.cnr.it/en/projects/cir0100015-actris-it-potenziamento-della-componente-italiana-della-infrastruttura-di">https://www.isac.cnr.it/en/projects/cir0100015-actris-it-potenziamento-della-componente-italiana-della-infrastruttura-di</a>	VINCENZO RIZI
IT&EE Funds (Public)	P.O. FESR Lazio	2020	PARTNER	<i>MICROCLIMART - MicroClimArt</i>	<a href="http://lazioeuropa.it/files/190906/dd_g112382_7_08_2019.pdf">http://lazioeuropa.it/files/190906/dd_g112382_7_08_2019.pdf</a>	GABRIELE CURCI
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Ottimizzazione del progetto di una macchina sincrona magneti permanenti superficiali</i>	Contract n. 367/12	MARCO VILLANI
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Ricerche per la definizione di nuove famiglie distatori avvolti</i>	Contract n. 3131/80	MARCO VILLANI
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Supporto scientifico e studi nell'ambito dei sistemi di propulsione per il Trasporto pubblico collettivo alimentati a Metano nelle sue varie forme e delle relative strutture di rifornimento</i>	Contract n. 44868	ANGELO DE VITA
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Attività di consulenza nell'ambito del Progetto SISAL GA 20255: Progettazione preliminare di un calcinatore a letto fluido per la rigenerazione di sorbenti per la cattura della CO2</i>	Contract n. 4401/96	ANDREA DI CARLO



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IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Sviluppo di un sistema di ricarica wireless per dispositivi mobili di media potenza</i>	Contract n.2806/74	TOMMASO CAMPI
IT&EE Funds (Private)	Contract	2021	COORDINATOR	<i>Valutazione dell'impatto ambientale della filiera di produzione delle materie plastiche di interesse, con particolare riferimento alla carbon footprint e, quindi, all'impatto relativo al riscaldamento globale</i>	Contract n. 869/26/2022	DAVIDE DI BATTISTA