

EIC Pathfinder Challenges - 2024 Call Results				
Acronym	Title	Legal Name	Country Coordinator	Proposal Duration
Challenge 1: "Solar-to-X" devices				
C5	Clever Combination of Synthetic Compartmentalization, Carbon Fixation and Compound Biomanufacturing	UNIVERSIDAD DE CORDOBA	ES	48
PHOTONIA	Photocatalytic Conversion of Nitrogen to Ammonia for On-Site Fertilizer Production	KATHOLIEKE UNIVERSITEIT LEUVEN	BE	48
PREDICT	Photoelectrochemical CO2 Reduction Enhanced by Device Integration and Computational Techniques	THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD	UK	48
SOLEAS	Standalone solar-to-X device for prosumer-oriented conversion of sunlight to Ethene and Ammonia	AEE - INSTITUT FUR NACHHALTIGE TECHNOLOGIEN	AT	48
SUN2CN	Fully-Integrated PV-EC Device for the Production of C-N Chemicals	LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY	LU	48
SUNPEROM	Solar-Driven Perovskite Tandem for Methanol Production	Iritaly Trading Company S.r.l.	IT	48
Challenge 2: Towards cement and concrete as a carbon sink				
CILANTRO	CARBON-NEGATIVE CEMENT: A TRIBOLOGICAL SOLUTION FOR LIMESTONE DECARBONATION, SILICATION AND CARBON UTILIZATION	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	ES	48
CONCERTO	CarbOn Negative CemEnt fRom ulTra-mafic rOcks	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR	48
C-SINC	Concrete products through sustainable and innovative carbon-storing binders	PAEBBL AB	SE	48
ECO-SLAG-CEM	ENVIRONMENTALLY COMPATIBLE OPTIMIZATION OF EAF SLAG FOR LOW-CARBON ADVANCED GREEN CEMENT	ECOCHEM MATERIALS LIMITED	IE	48
MOJITO	Decarbonized liMe PrOduction through enhanced JoInt dielectric heaTing and waste carbonaceous material additiOn	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA	IT	36
X-SecO2	Real-time X-ray diffraction and microstructure imaging: accelerating the transformation of cementitious materials into CO2 sinks	UNIVERSIDAD DE MALAGA	ES	48
Challenge 3: Nature inspired alternatives for food packaging and films for agriculture				
Bio2PEs	Development of Bio-based and biodegradable polyethylene and polyesters for food packaging and agricultural applications	Technological University of the Shannon: Midlands Midwest	IE	48
Bio4Pack	Biodegradable Bio-based Bioactive Packaging Technology for Supporting Food Safety	UNIWERSYTET LODZKI	PL	48

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BORN	BiObased theRmal-resistaNt food packaging	CONSIGLIO NAZIONALE DELLE RICERCHE	IT	36
CELLAGRI	CELLULOSE-BASED MULCH FILMS WITH NATURE-INSPIRED WATER-MANAGEMENT STRUCTURES FOR AGRICULTURAL APPLICATIONS	FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	DE	48
ECOSYSTEM	Emerging eco-active materials by sustainable tools from natural renewable residues	FUNDACION TECNOLOGICA ADVANTX	ES	48
SATISPHACTION	Upcycling PHAs to innovative materials for fully sustainable food packaging	AINIA	ES	48
Challenge 4: Nanoelectronics for energy-efficient smart edge devices				
2D-ADDICT	TWO-Dimensional materials for ADvanced Devices and low-power CompuTing	UNIVERSITA DI PISA	IT	36
2DFERROPLEX	Ferroelectric 2D materials heterostructures for optical neuromorphic device functionalities	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	FR	48
CERBERUS	Unlocking the Full Potential of Edge AI through In-memory Computing Based on 2D Materials with Extreme Energy Efficiency	UNIVERSITAT POLITECNICA DE CATALUNYA	ES	48
COOLBRAIN	Chiplet cOOLing solutions for Low-consumption emBelled pRocessing AI at Nanoscale	THALES	FR	48
SPARK-e	Solid-state PCMs for Advanced energy Recovery and Key thermal control in electronics	FUNDACION FUNDECYT - PARQUE CIENTIFICO Y TECNOLOGICO DE EXTREMADURA	ES	48
SpikeHERO	Spiking hybrid edge computing for robust optoelectronical signal processing	FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV	DE	48
Challenge 5: Strengthening the sustainability and resilience of EU space infrastructure				
ALBATOR	ecr-bAsed muLticharged ion Beam for Active debris removal and oTher remediatiOn stRategies	Osmos X	FR	42
AstrAware	An On-board Dynamic Vision Sensor Suite for Enhanced Satellite Self and Situational Awareness	POLITECNICO DI MILANO	IT	36
DEXTER	Debris EXtraction Tools for Extra-terrestrial Recycling	CRANFIELD UNIVERSITY	UK	48
gEICKo	GEcko based Innovative Capture Kit for uncooperative and unprepared Orbital assets	TECHNISCHE UNIVERSITAT BERLIN	DE	36
SPIDAR	Space Debris Mapping with Photonic Integrated Circuit Lidar	AALTO KORKEAKOULUSAATIO SR	FI	48

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STORM	Solar Weather Forecasting Mission	NEUTRONSTAR SYSTEMS UG	DE	30
STRATOLASER	STRATOSPHERIC BALLOON-BASED LASER ABLATION SYSTEM FOR SPACE DEBRIS REMOVAL	ASOCIACION DE LA INVESTIGACION Y COOPERACION INDUSTRIAL DE ANDALUCIA "F. DE PAULA ROJAS"	ES	36