

Horizonte Europa – Pilar II

”Desafíos Mundiales y Competitividad Industrial Europea”: Proyectos aprobados en 2022 y coordinados por una organización vasca

Euskadi, auzolana, bien común

EUSKO JAURLARITZA



GOBIERNO VASCO

Proyectos cluster Clima, Energía y Movilidad (i)

H. Europa: Pilar II – Desafíos Mundiales

Nº	Acrónimo	Título	Organización	Financiación UE* (euros)
1	SEAMLESS-PV	Development of advanced manufacturing equipment and processes aimed at the seamless integration of multifunctional PV solutions, enabling the deployment of IPV sectors	FUNDACION TECNALIA RESEARCH & INNOVATION	2.454.903
2	RHINOCEROS	Batteries reuse and direct production of high performances cathodic and anodic materials and other raw materials from batteries recycling using low cost and environmentally friendly technologies	FUNDACION TECNALIA RESEARCH & INNOVATION	1.798.273
3	LiCORNE	Lithium recovery and battery-grade materials production from European resources	FUNDACION TECNALIA RESEARCH & INNOVATION	1.735.302
4	HELENA	Halide solid state batteries for ELeCtric vEHicles aNd Aircrafts	CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS FUNDACION, CIC ENERGIGUNE FUNDAZIOA	1.202.813
5	INFINITE	Aerospace Composites digitally sensorised from manufacturing to end-of-life	IDEKO S COOP	1.107.875
6	CARBIOW	Carbon Negative Biofuels from Organic Waste	FUNDACION TECNALIA RESEARCH & INNOVATION	1.052.175
7	AWARE2ALL	Safety systems and human-machine interfaces oriented to diverse population towards future scenarios with increasing share of highly automated vehicles	FUNDACION CENTRO DE TECNOLOGIAS DE INTERACCION VISUAL Y COMUNICACIONES VICOMTECH	943.125
8	AEGIR	DigitAl and physical incrEmental renovation packaGes/systems enhancing environmental and energetic behaviour and use of Resources	FUNDACION TECNALIA RESEARCH & INNOVATION	935.625
9	PUSH2HEAT	Pushing forward the market potential and business models of waste heat valorisation by full-scale demonstration of next-gen heat upgrade technologies in various industrial contexts.	FUNDACION TECNALIA RESEARCH & INNOVATION	917.938

(*) Financiación de la UE asignada a la entidad coordinadora del proyecto y que puede incluir subcontrataciones a terceras partes

H. Europa: Pilar II – Desafíos Mundiales

Proyectos cluster Clima, Energía y Movilidad (ii)

Nº	Acrónimo	Título	Organización	Financiación UE (euros)
10	FEDECOM	FEDERated -system of systems- approach for flexible and interoperable energy COMMunities	GIROA SOCIEDAD ANONIMA	795.813
11	BeFlex	Boosting Engagement to increase FLEXibility	I-DE REDES ELECTRICAS INTELIGENTESSA	763.438
12	NATURSEA-PV	Novel eco-cementitious materials and components for durable, competitive, and bio-inspired offshore floating pv substructures	FUNDACION TECNALIA RESEARCH & INNOVATION	739.375
13	AdvanSiC	AdvanSiC - Advances in Cost-Effective HV SiC Power Devices for Europe's Medium Voltage Grids	IKERLAN S. COOP	659.775
14	HEFT	Novel concept of a low cost, high power density and highly efficient recyclable motor for next generation mass produced electric vehicles	MONDRAGON GOI ESKOLA POLITEKNIKOA JOSE MARIA ARIZMENDIARRIETA S COOP	656.126
15	MAIA	Maximising impact and accessibility of european climate research	ASOCIACION BC3 BASQUE CENTRE FOR CLIMATE CHANGE - KLIMA ALDAKETA IKERGAI	642.500
16	Althena	AI-based CCAM: Trustworthy, Explainable, and Accountable	FUNDACION CENTRO DE TECNOLOGIAS DE INTERACCION VISUAL Y COMUNICACIONES VICOMTECH	525.650
17	HYPOBATT	Hyper powered vessel battery charging system	IKERLAN S. COOP	416.000

Proyectos cluster Digital, Industria y Espacio (i)

Nº	Acrónimo	Título	Organización	Financiación UE (euros)
1	Green SME	Driving manufacturing SME transformation towards green, digital and social sustainability	FUNDACION TEKNIKER	3.410.625
2	ZDZW	Non-Destructive Inspection Services for Digitally Enhanced Zero Waste Manufacturing	IKERLAN S. COOP	1.070.494
3	MUSIC	Materials for Sustainable Sodium-Ion Capacitors	CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS FUNDACION, CIC ENERGIGUNE FUNDAZIOA	1.069.750
4	RELIANCE	Smart Response sELF-desInfected bioBAsed NanoCoatEd surfaces for healthier environments.	FUNDACION TEKNIKER	996.481
5	HARTU	Handling with AI-enhanced Robotic Technologies for flexible manufactUring	FUNDACION TEKNIKER	984.875
6	TORNADO	NEW ROUTES OF SAFE AND SUSTAINABLE BY DESIGN WATER AND OIL REPELLENT BIOBASED COATINGS	FUNDACION TECNALIA RESEARCH & INNOVATION	982.813
7	ORU-BOAS	ORU BASED ON BUILDING BLOCKS FOR ADVANCED ASSEMBLY OF SPACE SYSTEMS	SENER AEROESPACIAL SOCIEDAD ANONIMA	967.500
8	SMARTHANDLE	Resilient manufacturing lines based on smart handling systems	FUNDACION TECNALIA RESEARCH & INNOVATION	954.473
9	FORCE REPAIR	smart and multiFunctional 3D printable prO-Regenerative biologiCal matrix modulating mEchanotRansduction as advancEd theraPy to treAt sklN chRonic wounds	FUNDACION CIDETEC	868.750
10	SAFEST	Smart Avionics for Flight tErmination SysTems, SAFEST	SENER AEROESPACIAL SOCIEDAD ANONIMA	818.138

Proyectos cluster Digital, Industria y Espacio (ii)

Nº	Acrónimo	Título	Organización	Financiación UE (euros)
11	FLASH-COMP	Flawless and sustainable production of composite parts through a human centred digital approach	LORTEK S COOP	801.812
12	REFORM	Printed electronics for the circular economy	FUNDACION CIDETEC	796.500
13	drOp	Digitally enabled social district renovation processes for age-friendly environments driving social innovation and local economic development	AYUNTAMIENTO DE ERMUA	723.243
14	NimbleAI	Ultra-energy efficient and secure neuromorphic sensing and processing at the endpoint	IKERLAN S. COOP	722.500
15	SUINK	Sustainable self-charging power systems developed by inkjet printing	FUNDACION TEKNIKER	701.000
16	BILASURF	Bio-inspired laser functionalization of complex 3D industrial surfaces	ASOCIACION CENTRO TECNOLÓGICO CEIT	700.391
17	DARROW	Driving the future of water resource recovery facilities through data intelligence	ASOCIACION CENTRO TECNOLÓGICO CEIT	689.864
18	RE4DY	European data as a product value ecosystems for resilient factory 4.0 product and production continuity and sustainability	ASOCIACION DE EMPRESAS TECNOLÓGICAS INNOVALIA	680.000
19	AMBHER	Ammonia and MOF based hydrogen storage for europe	FUNDACION TECNALIA RESEARCH & INNOVATION	588.750
20	NICKEFFECT	Ni-based ferromagnetic coatings with enhanced efficiency to replace Pt in energy & digital storage applications	FUNDACION CIDETEC	529.250

Proyectos cluster Alimentación, Bioeconomía, Recursos Naturales, Agricultura y Medio Ambiente

H. Europa: Pilar II – Desafíos Mundiales

Nº	Acrónimo	Título	Organización	Financiación UE (euros)
1	GES4SEAS	Achieving Good Environmental Status for maintaining ecosystem Services, by ASsessing integrated impacts of cumulative pressures	FUNDACION AZTI - AZTI FUNDAZIOA	1.068.221
2	CoDiet	Combatting Diet related non-communicable disease through enhanced surveillance	FUNDACION AZTI - AZTI FUNDAZIOA	981.418
3	SYMBIOREM	Symbiotic, circular bioremediation systems and biotechnology solutions for improved environmental, economic and social sustainability in pollution control	UNIVERSIDAD DEL PAIS VASCO/ EUSKAL HERRIKO UNIBERTSITATEA	578.438

Proyectos cluster Salud

H. Europa: Pilar II – Desafíos Mundiales

Nº	Acrónimo	Título	Organización	Financiación UE (euros)
1	BlueAdapt	Reducing climate based health risks in blue environments: Adapting to the climate change impacts on coastal pathogens	ASOCIACION BC3 BASQUE CENTRE FOR CLIMATE CHANGE - KLIMA ALDAKETA IKERGAII	1.774.390
2	SINPAIN	A game changer for the treatment of osteoarthritis: a cost effective combined advanced therapy to treat knee osteoarthritis	FUNDACION CIDETEC	1.286.250

Proyectos cluster Cultura, Creatividad y Sociedad Inclusiva

H. Europa: Pilar II – Desafíos Mundiales

Nº	Acrónimo	Título	Organización	Financiación UE (euros)
1	RescueME	Achieving Good Environmental Status for maintaining ecosystem Services, by ASsessing integrated impacts of cumulative pressures	FUNDACION TECNALIA RESEARCH & INNOVATION	693.178
2	MEGASKILLS	Combatting Diet related non-communicable disease through enhanced surveillance	FUNDACION TECNALIA RESEARCH & INNOVATION	637.763
3	SCIREARLY	Symbiotic, circular bioremediation systems and biotechnology solutions for improved environmental, economic and social sustainability in pollution control	UNIVERSIDAD DE LA IGLESIA DE DEUSTO ENTIDAD RELIGIOSA	484.533

Proyectos cluster Seguridad Civil para la Sociedad

H. Europa: Pilar II – Desafíos Mundiales

Nº	Acrónimo	Título	Organización	Financiación UE (euros)
1	RescAI4CYBER	Trustworthy Artificial Intelligence for Cybersecurity Reinforcement and System Resilience	FUNDACION TECNALIA RESEARCH & INNOVATION	840.328
2	DYNABIC	Dynamic business continuity of critical infrastructures on top of adaptive multi-level cybersecurity	FUNDACION TECNALIA RESEARCH & INNOVATION	768.125



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Top 20 de organizaciones vascas participantes en el Pilar II de “Desafíos Mundiales y Competitividad Industrial Europea” de Horizonte Europa



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Top 20 participantes en el Pilar II (i)

H. Europa: Pilar II – Desafíos Mundiales

Nº	Organización	Financ. (M. €)	Nº Particip.	Nº Lider.
1	FUNDACION TECNALIA RESEARCH & INNOVATION	45,05	76	14
2	FUNDACION TEKNIKER	12,16	15	4
3	FUNDACION CIDETEC	10,55	18	4
4	IKERLAN S. COOP	8,52	17	4
5	ASOCIACION CENTRO TECNOLOGICO CEIT	7,85	13	2
6	FUNDACION CENTRO DE TECNOLOGIAS DE INTERACCION VISUAL Y COMUNICACIONES VICOMTECH	7,59	19	2
7	FUNDACION AZTI - AZTI FUNDAZIOA	6,56	10	2
8	CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS FUNDACION, CIC ENERGIGUNE FUNDAZIOA	6,42	11	2
9	ASOCIACION BC3 BASQUE CENTRE FOR CLIMATE CHANGE - KLIMA ALDAKETA IKERGAU	5,70	12	2
10	UNIVERSIDAD DE LA IGLESIA DE DEUSTO ENTIDAD RELIGIOSA	4,51	12	1

Top 20 participantes en el Pilar II (ii)

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Nº	Organización	Financ. (M. €)	Nº Particip.	Nº Lider.
11	FUNDACION GAIKER	4,08	9	0
12	FUNDACION CENTRO DE TECNOLOGIAS AERONAUTICAS	3,83	3	0
13	INDUSTRIA DE TURBO PROPULSORES S.A.U.	3,45	3	0
14	MONDRAGON ASSEMBLY SOCIEDAD COOPERATIVA	2,90	2	0
15	MONDRAGON GOI ESKOLA POLITEKNIKOA JOSE MARIA ARIZMENDIARRIETA S COOP	2,88	8	1
16	AERNNOVA ENGINEERING DIVISION SAU	2,69	5	0
17	CAF POWER & AUTOMATION SL	2,60	2	0
18	CONSTRUCCIONES Y AUXILIAR DE FERROCARRILES INVESTIGACION Y DESARROLLO SL	2,53	6	0
19	IDEKO S COOP	2,51	4	1
20	ASOCIACION DE EMPRESAS TECNOLOGICAS INNOVALIA	2,43	6	1



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