



ANNUAL REPORT 2025

ITACA
University
Research
Institute



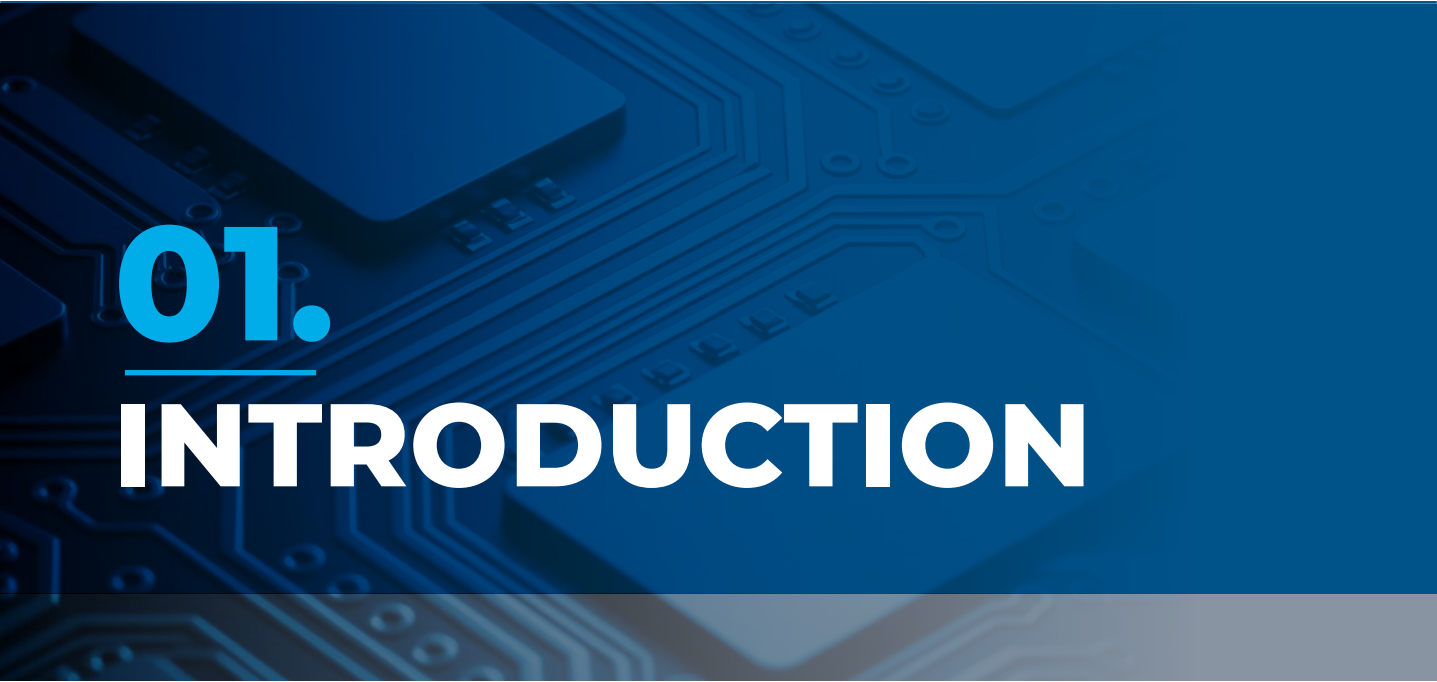
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Design and layout:
ITACA's management team

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Letter from the DIRECTOR



It is an honour to address you through these pages, which present the activities of the ITACA University Research Institute during 2025 and reflect the beginning of a new institutional period that started in March of that same year.

Taking on the leadership of an Institute with the trajectory, human capital and scientific potential of ITACA is undoubtedly a responsibility of the highest order. I face it with the conviction that the collective work carried out over recent years places us in a strong position to address the challenges ahead.

I would like to begin by expressing my recognition to the previous management team, led by Professor José Manuel Catalá and of which Professor Alberto Bonastre and I myself also formed part. Those were years of intense and shared work, and I treasure deeply enriching personal and professional memo-

ries from that period. Their way of understanding the Institute, their judgement and the dedication with which they exercised their responsibilities have left a deeply personal imprint on numerous aspects of ITACA's institutional culture; an imprint so present that, when a few months ago I took on the challenge of assuming the directorship, I found it difficult to picture a stage of ITACA without them. From those years I also carry with me lessons that today form part of my own way of understanding leadership. One of those for which I am most grateful is having learned, at their side, to always look out for ITACA as a whole, above the particular interests of its individual groups; an approach to which the new management team is committed to giving continuity.

The new management team is completed by Professors Antonio Martínez Millana and David de Andrés Martínez. I would like to state with absolute conviction that the Institute is very fortunate that both of them accepted the challenge of joining ITACA's management team. From the very first day, Antonio and David have been contributing a strategic vision that enriches every decision, together with an ability to deliver that translates

into tangible progress across all the initiatives now under way. They also make the day-to-day work stimulating and remarkably manageable. I count on them as two fundamental pillars of this project, and my gratitude towards both is difficult to express in just a few lines. I am enormously grateful to them for having joined this project.

One of the first actions of the new management team has been the development of a 2025-2031 Strategic Plan that will guide the Institute's activity over the coming years. The long-term vision, set on the 2035 horizon, pursues three goals: to position ITACA among the top three institutes of the Universitat Politècnica de València according to the Research Activity Assessment of the Team (VAIE), to consolidate it as a benchmark in the application of information and communication technologies to societal challenges, and to establish it as a reference institution for the companies and organisations of the Valencian Community that seek innovative technological solutions. To advance in this direction, the Plan articulates seven lines of action: an increase in research articles, financed projects and contracts; submissions of ERC applications; structured interactions with public and business stakeholders; incorporation of ITACA members in faculty positions; and an increased perceived satisfaction of ITACA members.

ITACA's research indicators for 2025 offer an overall positive outlook. Participation in research projects remains one of the Institute's defining strengths, reaffirming our sustained capacity to compete successfully for funding in an increasingly competitive environment. Alongside this positive overall performance, we wish to set as a priority area for improvement the production of research articles, whose figures do not adequately reflect the volume and quality of the research that the Institute carries out. This is a challenge that occupies a central place in the Strategic Plan and to which specific efforts will be devoted in the coming years.

Year 2025 also marks the launch of the UCIE ITACA-Forward, whose design phase is being developed during the current year and which will become fully operational in 2026. The UCIE represents a first-rate opportunity to bring out the full transfer potential of the research carried out at the Institute, and to strengthen its connection with the productive and social fabric of our environment.

The horizon opening up before ITACA is, ultimately, that of an Institute that aspires to have an ever greater impact on its environment. The research developed here is meaningful insofar as it contributes to addressing the challenges of our society, and our ambition for the coming years is precisely that: to continue making an impact, and to do so with greater reach, greater depth and greater transformative capacity.

I would not wish to conclude these lines without expressing my most sincere gratitude to all the people who make up ITACA. First, for having placed in me the trust of leading this Institute, a responsibility that I take on with the utmost dedication. And second, for the excellent reception they have given to the initiatives launched since the arrival of this new management team, a receptiveness that is proving fundamental for the Strategic Plan to advance at the expected pace. It is the work of the research, technical and administrative staff that makes possible everything contained in these pages, and I invite all of you to read them.

MARÍA GUILLEM SÁNCHEZ
Director of the ITACA University
Research Institute

ITACA

at a Glance

ITACA, the Institute of Information and Communication Technologies, is a research entity of the Universitat Politècnica de València (UPV) located within the Ciudad Politécnica de la Innovación (CPI), the science park that brings together the entire R&D&I ecosystem of the UPV.

Mission & Vision

/ Mission

ITACA's mission is to improve society through the transfer and application of the knowledge generated by research in the field of Information and Communication Technologies (ICT). With a global vision and a societal-challenges approach, ITACA carries out cutting-edge translational research, developing scientific advances with direct application in public and private entities.

/ Vision

ITACA aspires to be a benchmark institute in the application of ICT to social, industrial and environmental challenges, and a reference institution for companies and public bodies of the Comunitat Valenciana and beyond that seek innovative technological solutions. Our long-term ambition is to consolidate ITACA among the top institutes of the UPV in terms of research activity assessment, while strengthening our role as a transformative agent in our environment.

Three guiding principles define how we work:

- **Improve** — Transfer and apply ICT research to enhance our society.
- **Innovate** — Promote scientific and technological advances through an interdisciplinary approach.
- **Involve** — Foster an entrepreneurial and collaborative culture, building synergies with other research centres and with industry.

Research Areas

ITACA's research activity is structured around four major thematic areas, sustained by a broad portfolio of enabling technologies and addressed from an interdisciplinary perspective.

• Enabling Technologies

Cross-cutting technological capabilities that underpin all other research lines at the Institute: Data Science and Artificial Intelligence; Internet of Things; Process Mining; Systems Reliability and Cybersecurity; and Microwaves, Radiofrequency and Electronics.

• Health and Wellbeing

Application of ICT to medicine and healthcare, covering Cardiovascular Research, Connected Health, ICTs for Clinical Decision-Making, Medical Image Processing and Medical Instrumentation.

• Green Societies and Environment

Technologies addressing the climate and sustainability challenges: Green Energy and Intelligent Energy Networks; ICTs for Climate Change, Circular Economy and Bioeconomy; Smart Transport and Green Aviation; and Social Innovation and Co-creation.

• Factory of the Future (Industry 4.0)

ICT solutions for advanced manufacturing: Eco-efficient Microwave Processing, Electromagnetic Compatibility, Industrial Electronics and Networks, and Sensors and Sensor Networks.

Organisational Structure

ITACA is governed by the following bodies:

- **Institute Council (Consejo de Instituto)**
The highest governing body, composed of all permanent teaching staff and a representation of elected members (non-permanent staff, students, hired research staff and support staff).
- **Director**
Currently held by María Guillem Sánchez, who assumed the directorship in March 2025.
- **Deputy Director**
Antonio Martínez Millana.
- **Secretary**
David de Andrés Martínez.
- **Scientific-Technical Commission**
Composed of 21 ITACA members elected from the members of the Institute Council, advises the directorship on scientific and technical matters.

The Institute's research activity is structured around several research groups, which operate within the four thematic areas described above. ITACA is also developing the UCIE ITACA-Forward, its dedicated unit for innovation and technology transfer, in design throughout 2025 and entering full operation in 2026.

“
Transforming
cutting-edge
ICT research
into solutions
that improve
lives, strengthen
industries and drive
sustainable progress

Key Achievements



120 researchers

including 52% teaching staff, 43% hired research staff and 5% support staff.



A markedly interdisciplinary profile:

computer scientists, telecommunications engineers, industrial engineers, mathematicians, physicists, aerospace engineers, agricultural and forestry engineers, surveying engineers and lawyers.



156 ongoing projects and contracts.



€3.78M in external funding in 2025.



34 patents in the Institute’s portfolio.



62 research articles published in 2025.



5 spin-off companies created from ITACA research.



A consolidated relationship with the Ciudad Politécnica de la Innovación (CPI),

which hosts more than 3,700 researchers and 40 companies across more than 100,000 sqm.



An interdisciplinary community of researchers turning scientific knowledge into real-world impact across health, industry and the environment.





JOURNALS



62

Papers published in Journals

19 Q1

27 Q2

■ A DECLARATIVE APPROACH FOR INTERACTIVE PROCESS DISCOVERY IN THE CLINICAL DOMAIN

Fernández Llatas, Carlos; Martínez-Salvador, Begoña; Marcos, Mar, *Journal of Biomedical Informatics*, 2025

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■ A NEW ASSOCIATION APPROACH FOR MULTI-SENSOR AIR TRAFFIC SURVEILLANCE DATA BASED ON DEEP NEURAL NETWORKS

Vico-Navarro, Joaquin; Balbastre Tejedor, Juan Vicente; Vila Carbó, Juan Antonio, *Sensors*, 2025

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■ ADDITIVE MANUFACTURING OF VARIABLE DENSITY LENSES FOR RADIO FREQUENCY COMMUNICATIONS IN X-BAND

Voronov, Aleksandr; Bachiller Martin, Maria Carmen; Ferrer, Álvaro; Vico Bondía, Felipe; Sempere, Lluc; Penaranda-Foix, Felipe L.; Kronberger, Rainer, *Journal of Manufacturing and Materials Processing*, 2025

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■ AN END-TO-END SOLUTION FOR OUT-OF-HOSPITAL EMERGENCY MEDICAL DISPATCH TRIAGE BASED ON MULTIMODAL AND CONTINUAL DEEP LEARNING

Ferri-Borredà, Pablo; Sáez Silvestre, Carlos; Félix-De Castro, Antonio; Sánchez-Cuesta, Purificación; Garcia-Gomez, Juan M., *Artificial Intelligence in Medicine*, 2025

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■ ANATOMICAL PROGRESSION OF GENETIC FRONTOTEMPORAL LOBAR DEGENERATION ACROSS THE LIFESPAN

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■ ARE TREATMENT SERVICES READY FOR THE USE OF BIG DATA ANALYTICS AND AI IN MANAGING OPIOID USE DISORDER?

Amer, Matthew ; Gittins, Rosalind ; Martinez-Millana, Antonio; Scheibein, Florian ; Ferri, Marica ; Tofighi, Babak ; Sullivan, Frank ; Handley, Margaret ; Ghosh, Monty ; Baldacchino, Alexander ; Wee Teck, Joseph Tay, *JOURNAL OF MEDICAL INTERNET RESEARCH*, 2025

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■ ATRIAL FIBRILLATION TREATMENT STRATIFICATION BASED ON ARTIFICIAL INTELLIGENCE-DRIVEN ANALYSIS OF THE ELECTROPHYSIOLOGICAL COMPLEXITY

Sanchez-De la Nava, Ana María; Ros, Santiago; Carta-Bergaz, Alejandro; González-Torrecilla, Esteban; Gonzalez Mansilla, Ana; Bermejo, Javier; Arenal, Ángel; Climent, Andreu M.; Guillem Sánchez, María Salud; Atienza, Felipe, *Journal of Cardiovascular Electrophysiology*, 2025

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■ AUTOMATIC ETIOLOGICAL CLASSIFICATION OF STROKE THROMBUS DIGITAL PHOTOGRAPHS USING A DEEP LEARNING MODEL

Lucero-Garófano, Alvaro; Aliena-Valero, Alicia ; Vielba-Gómez, Isabel; Escudero-Martínez, Irene; Morales-Caba, Lluís; Aparici-Robles, Fernando; Tarruella Hernández, Diana L. ; Fortea, Gerardo; Tembl, José I. ; Salom, Juan B.; Manjón Herrera, José Vicente, *Frontiers in Neurology*, 2025

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■ BAYESIAN FRAMEWORK FOR ATRIAL LAT ESTIMATION IN ECGI

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■ COMPLEXITY AND RECURRENCE OF BODY SURFACE ELECTROCARDIOGRAMS CORRELATE WITH ESTIMATED REENTRANT ATRIAL ACTIVITY USING ELECTROCARDIOGRAPHIC IMAGING IN ATRIAL FIBRILLATION PATIENTS

Molero-Alabau, Rubén; Meste, Olivier; Peeters, Ralf; Karel, Joël; Bonizzi, Pietro; Guillem Sánchez, María Salud, BMC *Cardiovascular Disorders*, 2025

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■ CONSCIOUS ARCHITECTURE AND CIRCULAR ECONOMY FOR A TRANSITION IN BUILDING: THE IMIP PROJECT AS A CASE STUDY

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■ DEEP CONTINUAL MULTITASK OUT-OF-HOSPITAL INCIDENT SEVERITY ASSESSMENT FROM CHANGING CLINICAL FEATURES

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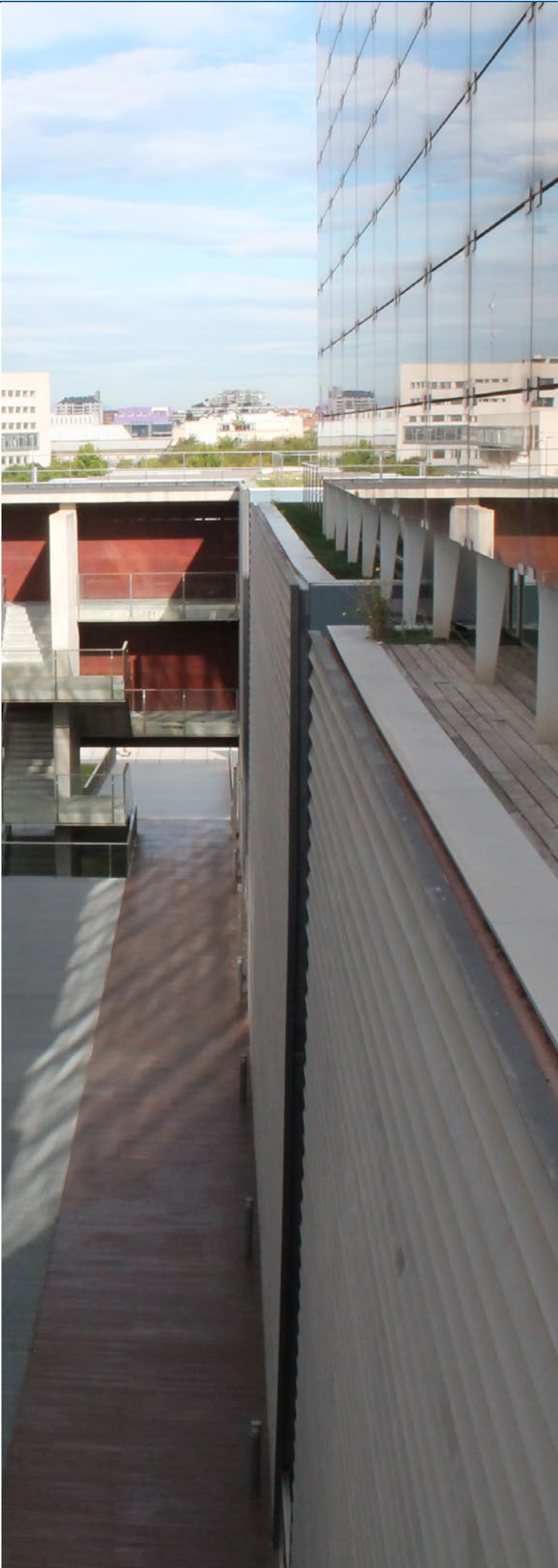
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■ DEEPCERES: A DEEP LEARNING METHOD FOR CEREBELLAR LOBULE SEGMENTATION USING ULTRA-HIGH RESOLUTION MULTIMODAL MRI

Morell-Ortega, Sergio; Ruiz-Perez, Marina; Gadea, Marien; Vivó, Roberto; Rubio Navarro, Gregorio; Aparici-Robles, Fernando; de la Iglesia-Vaya, Mariam ; Catheline, Gwenaëlle; Mansecal, Boris ; Coupé, Pierrick; Manjón Herrera, José Vicente, *NeuroImage*, 2025

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■ DEVELOPMENT OF A MULTI-OBJECTIVE DECISION SUPPORT SYSTEM FOR ECO-HYDROLOGICAL FOREST MANAGEMENT THAT QUANTIFIES AND OPTIMIZES ECOSYSTEM SERVICES RELATED TO CARBON, WATER, FIRE-RISK AND ECO-RESILIENCE (CAFE)

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■ DYNAMIC ROUTING WITH STATIC DELIVERY TIME WINDOWS IN URBAN LAST-MILE TRANSPORT LOGISTICS

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■ DYNAMO FRAMEWORK: ADVANCING NON-INVASIVE, RAPID CALIBRATION IN CARDIAC DIGITAL TWIN TECHNOLOGY

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■ EASY-TO-USE AND EASY-TO-INTERPRET QUALITY CONTROL OF 3D GRADIENT ECHO T1-WEIGHTED MR ACQUISITION SEQUENCES FOR IMPROVED TEST-RETEST STABILITY OF MRI-BASED HIPPOCAMPUS VOLUMETRY

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■ ELECTROCARDIOGRAPHIC IMAGING: A NEW TOOL TO ENSURE CARDIAC RESYNCHRONIZATION DURING LEFT BUNDLE BRANCH PACING IMPLANT

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■ ELECTRONIC HEALTH RECORDS AND DATA EXCHANGE IN THE WHO EUROPEAN REGION: A SUBREGIONAL ANALYSIS OF ACHIEVEMENTS, CHALLENGES, AND PROSPECTS

Tornero-Costa, Roberto; Adib, Keyrellous; Salama, Nagui; Davia, Stefania; Martinez-Millana, Antonio; Traver Salcedo, Vicente; Davtyan, Karapet, *International Journal of Medical Informatics*, 2025

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■ ENHANCING BIG DATA ANALYSIS IN IOT APPLICATIONS AND OPTIMIZING THE PERFORMANCE OF MACHINE LEARNING MODELS USING HYBRID DIMENSIONALITY OPTIMIZATION APPROACH

Nassra, Ihab; Capella Hernández, Juan Vicente, *Internet of Things (Online)*, 2025

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■ ENHANCING PREMATURE VENTRICULAR CONTRACTION LOCALIZATION THROUGH ELECTROCARDIOGRAPHIC IMAGING AND CARDIAC DIGITAL TWINS

Sánchez-Arciniegas, Jorge Patricio; Llorente-Lipe, Inés; Barrios Espinosa, Cristian ; Loewe, Axel ; Hernández-Romero, Ismael; Vicente, Jorge ; Ros, Santiago; Atienza, Felipe; Carta-Bergaz, Alejandro ; Climent, Andreu M.; Guillem Sánchez, María Salud, *Computers in Biology and Medicine*, 2025

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■ **EVALUATING THE IMPACT OF THE HEALTH NAVIGATOR MODEL ON HOUSING STATUS AMONG PEOPLE EXPERIENCING HOMELESSNESS IN FOUR EUROPEAN COUNTRIES**

Guzman-Benitez, Juan Esteban; Fragner, Tobias; Alhambra-Borras, Tamara; Doñate-Martínez, Ascensión; Blanes-Selva, Vicent; Garcia-Gomez, Juan M; Barbu, Simona; Gawronska, Julia; Moudatsou, Maria; Tabaki, Ioanna; Belogianni, Katerina; Karnaki, Pania; Varade, Miguel Rico; Gomez-Trenado, Rosa; Barrio-Cortes, Jaime, *Healthcare*, 2025

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■ **EVALUATION OF ADDITIVE MANUFACTURING TECHNIQUES TO INCREASE DRONE RADAR DETECTION RANGE**

Maya, Christian; Vico-Navarro, Joaquin; Balbastre Tejedor, Juan Vicente, *Drones*, 2025

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■ **EVALUATION OF TECHNICAL CONSTRAINTS MANAGEMENT IN A MICROGRID BASED ON THERMAL STORAGE APPLICATIONS BY MODELING WITH OPENDSS**

Oná-Ayécaba, Andrés Ondó; Alcázar-Ortega, Manuel; Urchueguía Schölzel, Javier Fermín; Badenes Badenes, Borja; Guilló-Sansano, Efrén; Martínez-Ponce, Álvaro, *Applied Sciences*, 2025

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■ **EVALUATION OF THE ACCESSIBILITY TO URBAN MOBILITY SERVICES WITH HIGH SPATIAL RESOLUTION-CASE STUDY: VALENCIA (SPAIN)**

Bosch Checa, Clara ; Lorenzo-Sáez, Edgar; Porres De La Haza, Maria Joaquina; Lerma Arce, Victoria; Coll-Aliaga, Eloína, *Applied Sciences*, 2025

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■ **EVALUATION OF URBAN ACCESSIBILITY THROUGH GEOMARKETING TECHNIQUES: CASE STUDY IN VALENCIA (SPAIN)**

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■ **FAST TRACK DESIGN USING PROCESS MINING: DOES IT IMPROVE SATURATION AND TIMES IN EMERGENCY DEPARTMENTS?**

Celda-Moret, Maria Angeles; Gema Ibanez-Sanchez; Garijo Gómez, Emilio Javier; Pop Llut, Mirela; Faus-Lluquet, Miriam; Fernández Llatas, Carlos, *Applied Sciences*, 2025

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■ **HIGH EFFECTIVENESS OF THE DIGITALIZATION OF THE GESIDA CLINICAL GUIDELINE FOR HIV PATIENT MANAGEMENT**

Montosa-Micó, Víctor; Tortajada, Cecilia ; Navarro Batet, Álvaro ; Alcalde Castillo, Raquel ; Camacho, Miguel ; Rosello Perez, David ; Sánchez-García, Daniel; Garcia-Gomez, Juan M, *BMC Health Services Research*, 2025

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■ **IMPACT OF COVID-19 NON-PHARMACEUTICAL INTERVENTIONS ON BACTERIAL INFECTIONS IN CHILDREN: AN INTERNATIONAL ELECTRONIC HEALTH RECORD-BASED STUDY**

Zachariasse, Joany M.; Gutierrez-Sacristan, Alba; Makwana, Simran; Li, Xiudi; Bhatnagar, Surbhi; Hanauer, David A.; Kainth, Mundeep K.; Morris, Michele; Rubio-Mayo, Paula; Sáez Silvestre, Carlos; Shah, Mohsin Ali; Aronow, Bruce J.; Badenes, Rafael; Cai, Tianxi; Garcia Barrio, Noelia, *BMJ Public Health*, 2025

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■ **IMPACTO DE LOS MEDICAMENTOS EN LA SEGURIDAD VIAL EN ESPAÑA Y SUS EFECTOS EN LA CONDUCCIÓN**

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■ **I-PALIA, AN ALGORITHM FOR DISCOVERING BPMN PROCESSES WITH DUPLICATED TASKS**

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■ **LIFESPAN TREE OF BRAIN ANATOMY: DIAGNOSTIC VALUES FOR MOTOR AND COGNITIVE NEURODEGENERATIVE DISEASES**

Coupé, Pierrick; Mansencal, Boris; Manjón Herrera, José Vicente; Péran, Patrice; Meissner, Wassilios G.; Tourdias, Thomas ; Planche, Vincent, *Human Brain Mapping*, 2025

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■ **LONGITUDINAL TRAJECTORIES UNRAVEL THE COMPLEX INTERPLAY OF MEDICATION, CARDIOVASCULAR EVENTS, CHRONIC KIDNEY DISEASE, AND MORTALITY**

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■ **MADERA O CARTÓN PARA TRANSPORTAR LOS ALIMENTOS FRESCOS: ¿QUÉ OPCIÓN CONTAMINA MENOS?**

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■ **METHODOLOGY DEVELOPMENT FOR HIGH-RESOLUTION MONITORING OF EMISSIONS IN URBAN ROAD TRAFFIC SYSTEMS**

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■ **MITIGATING PATIENT HARM RISKS: A PROPOSAL OF REQUIREMENTS FOR AI IN HEALTHCARE**

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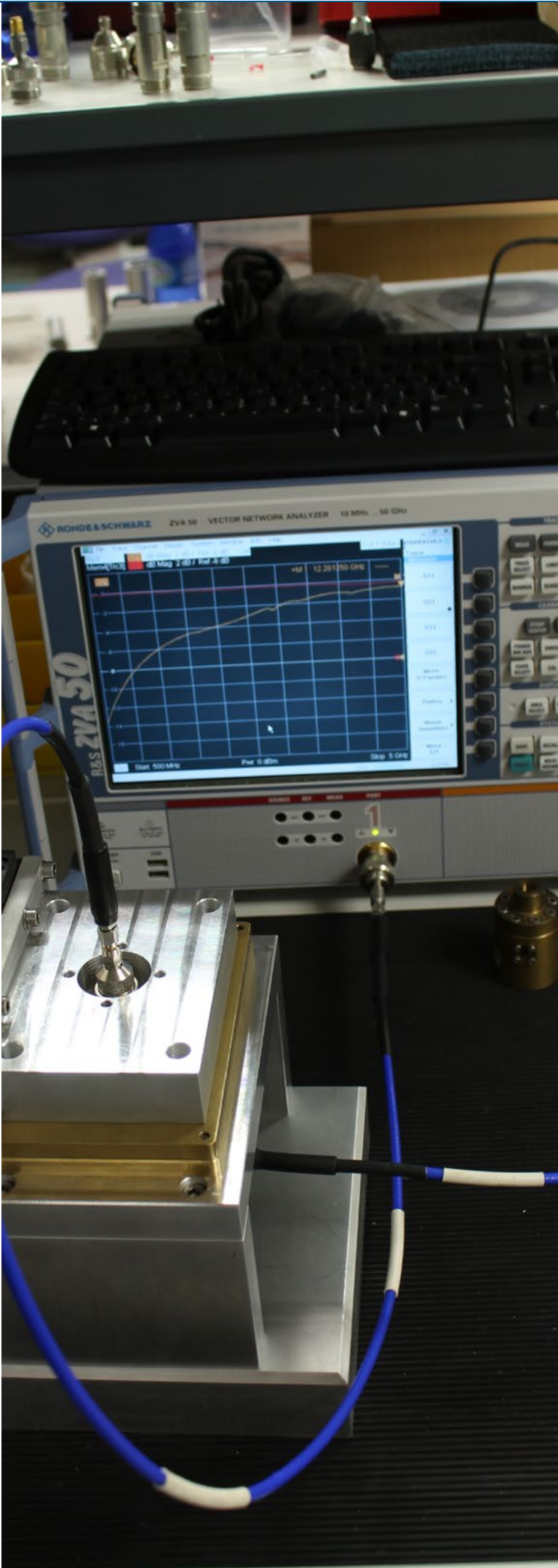
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Clara Herrero Martín, advisors: Andreu M. Climent; Hernández-Romero, Ismael, 18/12/2025

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2

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1

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22

Competitive collaborative R&D

8

Academic/ educational cooperation

1

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47

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9

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15

Consultancy, technical studies, and advisory services

1

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11

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3.783.961€

Total funding

3.160.863€

From Grants

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■ AYUDA ADICIONAL RAMON Y CAJAL

RYC2018-024346-I, **AGENCIA ESTATAL DE INVESTIGACION**, Herrero-Martín, Clara; Andreu M. Climent, 01/05/2020-31/01/2025

■ REFERENCIA: 203495677 COORDINATION OF A STUDY TO ASSESS FACTORS IMPACTING THE IMPLEMENTATION OF DIGITAL MENTAL HEALTH SERVICES IN THE WHO-EUROPEAN REGION. PURCHASE ORDER 203495677 UNIT REFERENCE MFH AT

WORLD HEALTH ORGANIZATION, Traver Salcedo, Vicente, 10/09/2024-07/02/2025

■ PERMITTIVITY CHARACTERIZATION OF SAMPLES. 1. RF CELL (2MHZ-500MHZ) - ROOM TEMPERATURE: 5 SAMPLES - TEMPERATURE-DEPENDENT MEASUREMENTS (UP TO 80°C): 2 SAMPLES 2. CAVITY METHOD (~2.45GHZ) - ROOM TEMPERATURE: 5 SAMPLES - TEMPERATURE-DEPENDENT MEASUREMENTS (UP TO 80°C): 2 SAMPLES

PINK RF B.V., Catalá Civera, José Manuel, 03/02/2025-26/02/2025

■ MEDIDA DE PROPIEDADES DIELECTRICAS Y DISEÑO DE UN APLICADOR MICROONDAS DE LABORATORIO PARA FUSIÓN DE RESIDUOS DE COMBUSTIÓN

INNCEINNMAT, S.L., Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel; Canós Marín, Antoni Josep, 08/12/2021-08/03/2025

■ ASESORAMIENTO TECNOLÓGICO EN LA APLICACIÓN DE SISTEMAS GENERATIVOS EN LA ANESTESIA.

TEMEL, S.A., Cebrián Ferriols, Antonio José, 10/09/2024-10/03/2025

■ HIGH-POWER VECTOR-REFLECTOMETER

MKS INSTRUMENTS ITALY S.R.L., Catalá Civera, José Manuel, 21/01/2025-31/03/2025

■ SUSTAINABLE APPROACHES TO LAND AND WATER MANAGEMENT IN MEDITERRANEAN DRYLANDS

PRIMA PROGRAMME S1, FUNDACION PRIMA, García-Ginés, Ariadna; Blanco-Cano, Laura; Arnal-Roig, Laura; MOLINA HERRERA, ANTONIO; Pérez-Romero, Javier; GONZÁLEZ-SANCHIS, MARÍA DEL CARMEN; Campo García, Antonio Dámaso Del; Lidón, Antonio; Lull, Cristina, 01/10/2022-31/03/2025

■ CHARACTERIZATION OF THE DIELECTRIC PROPERTIES OF 1 SAMPLE (3 REPETITIONS) UP TO 900°C IN MW-DETA

SAS SAIREM, Catalá Civera, José Manuel, 20/03/2025-04/04/2025

■ REFERENCIA: FM000006836 1-DESARROLLO DE UNA APLICACIÓN RESIDENTE PARA GESTIÓN DE USUARIOS DE WINDOWS PARA EL PROXY IECG/SACYL 2-DESARROLLO DE UNA APLICACIÓN WEB DE PROXY

DEXTROMEDICA, S.L., Martinez-Millana, Antonio, 29/10/2024-15/04/2025

■ SUBSYSTEM READINESS E

KRONES AG, Penaranda-Foix, Felipe L.; Balbastre Tejedor, Juan Vicente; Catalá Civera, José Manuel; Canós Marín, Antoni Josep, 19/04/2024-19/04/2025

■ UNLOCKING THE POTENTIAL OF RENEWABLE COOLING FOR A DECARBONISED COOLING SECTOR FIT FOR THE CLIMATE OF THE 21ST CENTURY CENTURY

LIFE21-CET-COOLING, COMISION DE LAS COMUNIDADES EUROPEA, Martínez-Ponce, Álvaro; Lorenzo-Sáez, Edgar; Marco-Chueca, Aroa Pilar; Soriano-Enguíanos, Óscar; Armengot-Carbó, B.; Ramos-Escudero, Adela; Mateo Pla, Miguel Ángel; Coll-Aliaga, Eloína; Lerma-Arce, Victoria; Badenes Badenes, Borja; Oliver Villanueva, José Vicente; Lemus Zúñiga, Lenin Guillermo; Urchueguía Schölzel, Javier Fermín, 04/11/2024-30/04/2025

■ AYUDA CONTRATO RAMON Y CAJAL- MARTINEZ CLIMENT

RYC2018-024346-I, **AGENCIA ESTATAL DE INVESTIGACION**, Guillem Sánchez, María Salud; Andreu M. Climent, 01/05/2020-01/05/2025

■ INVESTIGACIÓN DE NUEVAS TECNOLOGÍAS DE RECICLADO Y VALORIZACIÓN DE RESIDUOS PLÁSTICOS COMPLEJOS

TECNICAS REUNIDAS, S.A., Esparza-Becerra, Silvia Rocío; Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel; Canós Marín, Antoni Josep, 04/03/2022-04/05/2025

■ CHARACTERIZATION OF THE DIELECTRIC PROPERTIES OF 1 SAMPLE UP TO 900°C AT 915MHZ AND 2.45GHZ (3 REPETITIONS AT EACH FREQUENCY).

SAS SAIREM, Catalá Civera, José Manuel, 29/04/2025-27/05/2025

■ REFERENCIA: 2025-OF-0000056 PROTOTIPO: 1 U HIGH-POWER VECTOR REFLECTOMETER - HIPOM @2450 PROTOTIPO: 1 U HIGH-POWER VECTOR REFLECTOMETER - HIPOM @915

MKS INSTRUMENTS ITALY S.R.L., Catalá Civera, José Manuel, 21/01/2025-30/05/2025

■ INTEGRABLE MODULE ON SUPPORT FOR OUT-OF-HOSPITAL EMERGENCY AND EMERGENCY MEDICAL CALLS

CSAM PUBLIC SAFETY AB, García-Santos, Kevin; Asensio-Cuesta, Sabina; Garcia-Gomez, Juan M; Fuster García, Elies; Conejero, J. Alberto, 30/05/2023-30/05/2025

■ NUEVOS REACTORES DE MICROONDAS PARA INTENSIFICACION DE REACCIONES CATALITICAS

TED2021-132590B-C22, **AGENCIA ESTATAL DE INVESTIGACION**, Martín-Carmona, Antonio; Román-Sánchez, Sara; Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel; Canós Marín, Antoni Josep; Plaza González, Pedro José, 01/12/2022-31/05/2025

■ WIMOSA. SISTEMA WIRELESS DE MONITORIZACION CONTINUA PARA LA SALVAGUARDA DEL PATRIMONIO

PID2020-117713RB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Laborda-Macario, Jaime; Rodríguez-Ballester, Francisco; Mercado Romero, Ricardo; Pérez-Molina, Ana Isabel; Zalbidea Muñoz, Mª Antonia; Perles, Angel, 01/09/2021-31/05/2025

■ CONCIENCIA FORESTAL

FCT-22-18263, **FUNDACION ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGIA**, GONZÁLEZ-SANCHIS, MARÍA DEL CARMEN; Lull, Juan-José; Campo García, Antonio Dámaso Del; Lidón, Antonio; Lull, Cristina; Romero, Inmaculada, 24/06/2024-30/06/2025

■ MAPEO ELECTRO ANATOMICO CARDIACO NO-INVASIVO DE ALTA PRECISION BASADO EN INTELIGENCIA ARTIFICIAL

CNS2022-135512, **AGENCIA ESTATAL DE INVESTIGACION**, Carrasco-Villegas, Arancha; Fambuena-Santos, Carlos; Llorente-Lipe, Inés; Andreu M. Climent, 01/07/2023-30/06/2025



■ APPLICATION OF INCLUSIVE DESIGN THINKING IN THE TECHNICALLY-ORIENTED SUBJECTS

2022-1-SK01-KA220-HED-00087306, **COMISION DE LAS COMUNIDADES EUROPEA**, Sánchez-Marín, Juan Rafael; Cabedo Fabres, Marta; Ramos Peinado, Germán; Penaranda-Foix, Felipe L.; Bachiller Martin, Maria Carmen, 01/03/2024-06/07/2025

■ MODELO PARA LA EVALUACIÓN SOCIAL Y AMBIENTAL DE SISTEMAS ENERGÉTICOS HÍBRIDOS RENOVABLES EN CIUDADES SOSTENIBLES: APLICACIONES A COMUNIDADES ENERGÉTICAS LOCALES

PAID-11-23, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Pastor-Ferrando, Juan-Pascual; Fuentes Bagues, José Luis; Lo-lacono-Ferreira, Vanesa G.; Lerma-Arce, Victoria; Viñoles-Cebolla, Rosario; Aragonés-Beltrán, Pablo, 01/01/2024-15/07/2025

■ REFERENCIA: ADECCO CÁDIZ REALIZACIÓN DE TEST PARA SELECCIÓN DE PERSONAL: OFICIAL NIVEL B EN LA EXPLOTACIÓN DE SANEAMIENTO.

ADECCO TT, S.A. EMPRESA DE TRABAJO TEMPORAL, Turegano Pastor, José Vicente, 10/07/2025-28/07/2025

■ REFERENCIA: 18354 2 UNIT HIPOM 915MHZ IMDEDANCE ANALYZER TO PERFORM REAL-TIME MEASUREMENTS OF INCIDENT / REFLECTED AND ABSORBED POWER

PÜSCHNER GMBH + CO KG, Catalá Civera, José Manuel, 11/04/2025-30/07/2025

■ REFERENCIA: POR2500578 DESARROLLO, MONTAJE MANUAL Y VERIFICACIÓN DE 2 PROTOTIPOS + MONTAJE Y VERIFICACIÓN DE 20 PROTOTIPOS

POLYMER CHARACTERIZATION S.A., Cebrián Ferriols, Antonio José, 03/06/2025-31/07/2025



■ BASES DE L'ESTRATÈGIA DE REGENERACIÓ INTEGRAL DELS ESPAIS RÚSTICS AFECTATS PER LES RIUADES DE 2024 EN L'ÀREA METROPOLITANA DE VALÈNCIA

GENERALITAT VALENCIANA, Rojas Briaies, Eduardo, 02/06/2025-31/07/2025

■ SPACE-BASED COMPOSITE ADS-B AND MULTILATERARION SYSTEM VALIDATION THROUGH SCALABLE SIMULATIONS

101164313, **SESAR 3 JOINT UNDERTAKING (SESAR 3 JU)**, Balbastre Tejedor, Juan Vicente; Vera-Sánchez, Javier; Herranz Herruzo, José Ignacio; Ferrando-Rocher, Miguel; Ferrando Bataller, Miguel, 01/06/2025-31/07/2025

■ EVALUACIÓN MULTIPARAMÉTRICA DE LA PROGRESIÓN DE LOS TUMORES CEREBRALES BASADA EN LA IA

PID2021-127110OA-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Gil-Terrón-Rodríguez, Francisco Javier; López-Mateu, Carles; Gómez-Mahiques, María; Montosa-Micó, Víctor; Sáez Silvestre, Carlos; Fuster García, Elíes; Ferri-Borredà, Pablo, 01/12/2024-31/08/2025

■ PLAY TO GREEN: SERIOUS GAMING FOR UNIVERSAL ACCESS

2022-1-HR01-KA220-HED-00088675, **COMISION DE LAS COMUNIDADES EUROPEA**, García-Baños, Beatriz; Penaranda-Foix, Felipe L.; Bachiller Martin, Maria Carmen; Hernandez Franco, Carlos Alberto, 24/05/2024-31/08/2025

■ ADAPTIVE MANAGEMENT OF MEDITERRANEAN PINUS HALEPENSIS FORESTS IN THE FACE OF CLIMATE CHANGE

LIFE20 CCA/ES/001809, **COMISION DE LAS COMUNIDADES EUROPEA**, García-Ginés, Ariadna; Arnal-Roig, Laura; MOLINA HERRERA, ANTONIO; Pérez-Romero, Javier; GONZÁLEZ-SANCHIS, MARÍA DEL CARMEN; Blanco-Cano, Laura; Campo García, Antonio Dámaso Del; Lidón, Antonio; Lull, Cristina, 01/10/2022-31/08/2025

■ ACELERADORES BASADOS EN FPGAS PARA REDES NEURONALES PROFUNDAS SUFICIENTEMENTE CONFIABLES PARA SISTEMAS DE AUTOMOCION

PID2020-120271RB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Ruiz, Juan Carlos; de-Andrés-Martínez, David; Gracia-Morán, Joaquín; Baraza-Calvo, Juan-Carlos; Saiz-Adalid, Luis-J.; Gil Tomás, Daniel Antonio; Gil, Pedro, 01/09/2021-31/08/2025

■ ASESORAMIENTO TECNOLÓGICO EN LA CREACIÓN DE PROMPTS PARA SISTEMAS GENERATIVOS EN ANESTESIA.

TEMEL, S.A., Cebrián Ferriols, Antonio José, 21/03/2025-09/09/2025

■ REFERENCIA: 18468 2 STK./ PIECE HIPOM 915MHZ IMDEDANCE ANALYZER TO PERFORM REAL-TIME MEASUREMENTS OF INCIDENT / REFLECTED AND ABSORBED POWER

PÜSCHNER GMBH + CO KG, Catalá Civera, José Manuel, 11/04/2025-15/09/2025

■ UN AÑO CONTANDO CIENCIA: PLAN ANUAL DE LA UCC+I DE UNIVERSITAT POLITECNICA DE VALENCIA

FCT-23-19387, **FUNDACION ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGIA**, Muñoz-Pérez, Francisco Misael; Cerdá Hernández, M^a Rosa; Pérez Gómez, Antonio; García-Segovia, Purificación; ROBLES CEPERO, DANIEL; Arroyo-López, María Rosa; Zurano Conches, Luis; Monsoriu Serra, Juan Antonio; Alcalá-González, Julián; Cabrera, Marga; Saiz Mauleón, María Begoña; Fortich Giner, Amparo Isabel; Monserrat del Río, Jose Francisco; Cuesta, Salomé; Hernandez Franco, Carlos Alberto; Argilés Herrero, Angela, 16/09/2024-15/09/2025

■ DESARROLLO DE MODELOS DEEP LEARNING PARA EL ANÁLISIS MACROSCÓPICO DE TROMBOS EN PACIENTES DE ICTUS: APLICACIÓN EN DIAGNÓSTICO ETIOLÓGICO Y PRONÓSTICO FUNCIONAL

PI2023-12, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Manjón Herrera, José Vicente, 01/10/2023-30/09/2025

■ DISEÑO DE UNA ESTRATEGIA DE GEMELOS DIGITALES PARA EL DESARROLLO SOSTENIBLE DE AREAS NATURALES PROTEGIDAS INTELIGENTES

TED2021-130890B-C22, **AGENCIA ESTATAL DE INVESTIGACION**, Giner-Pérez de Lucía, José; Fernández-Bueno, Héctor; Bernal-López, Elena; Casino-Sánchez, Virginia; Arratia-Uribe, Benjamín Andrés; Tavares De Araujo Cesariny Calafate, Carlos Miguel; Manzoni, Pietro; Mercado Romero, Ricardo; Cecilia-Canales, José María; Cano, Juan-Carlos; Martín Furones, Ángel Esteban; Hernández-Orallo, Enrique; Perles, Angel; Posadas-Yagüe, Juan-Luis; Poza-Lujan, Jose-Luis; Blanc Clavero, Sara, 01/12/2022-30/09/2025

■ OPTIMIZACIÓN MEDIANTE INTELIGENCIA ARTIFICIAL DE UNA HERRAMIENTA ITERATIVA DE MAPEO ELECTROFISIOLÓGICO NO INVASIVO DE ARRITMIAS CARDIACAS

CIAPOS/2021/238, **GENERALITAT VALENCIANA**, Hernández-Romero, Ismael; Guillem Sánchez, María Salud, 01/10/2022-30/09/2025

■ APLICACIÓN DE LA INTELIGENCIA ARTIFICIAL AL GUIADO DE LA ABLACIÓN DE ARRITMIAS CARDIACAS MEDIANTE MAPEO GLOBAL

ACIF/2021/205, **GENERALITAT VALENCIANA**, Herrero-Martín, Clara; Andreu M. Climent, 01/10/2021-30/09/2025

■ PERMITTIVITY CHARACTERIZATION OF SAMPLES. - 2 MATERIALS (1 LIQUID AND 1 POWDER-PASTE) - 3 REPETITIONS EACH MATERIAL. - AT ROOM TEMPERATURE - AT 27MHZ (RF CELL) AND ~2.45GHZ (MW-DETA)

PINK RF B.V., Catalá Civera, José Manuel, 08/09/2025-03/10/2025

■ U-SPACE EUROPEAN COMMON DEPLOYMENT

INEA/CEF/ICT/A2020/2381931, **COMISION DE LAS COMUNIDADES EUROPEA**, Cervera-Tortajada, Joan; Jordi Vidal Ull; Martínez-Lores, Juan Alberto; Gallego Salguero, Aurea Cecilia; Yuste Pérez, Pedro; Guillem Picó, Santiago; Berné Valero, José Luis; Quintanilla García, Israel, 01/04/2023-31/10/2025

■ CARE-ECGI - TERAPIA DE RESINCRONIZACIÓN CARDIACA BASADA EN IMAGEN ELECTROCARDIOGRÁFICA

CPP2021-008562, **AGENCIA ESTATAL DE INVESTIGACION**, Ortigosa-Calatayud, Carla; Sanz-Berbegal, Míriam; Monllor-Parres, Raquel; Carrasco-Villegas, Arancha; Strazzeri-Muñiz, Sabrina; Fambuena-Santos, Carlos; Moreno-López, Raúl; Correas-García, María; Molero-Alabau, Rubén; Guillem Sánchez, María Salud, 01/11/2022-31/10/2025

■ ANESTECH. ESTRATIFICACIÓN DEL RIESGO PREANESTÉSICO A TRAVÉS DE LA VALORACIÓN REMOTA DE PACIENTES UTILIZANDO HERRAMIENTAS BASADAS EN IA CIBERSEGURAS.

INNEST/2025/436, **AGENCIA VALENCIANA DE LA INNOVACION**, Traver Salcedo, Vicente, 01/11/2025-01/11/2025

■ GESTION EVENTO 5 DICON CONGRESO INGENIERIA GEOMATICA

UNIVERSIDAD POLITECNICA DE VALENCIA, Lerma, José Luis; Martín Furones, Ángel Esteban; Anquela Julián, Ana Belén; Padin Devesa, Jorge; Martinez-Llario, Jose; Baselga Moreno, Sergio; Pardo Pascual, Josep Eliseu, 07/10/2024-03/11/2025

■ ASISTENCIA TÉCNICA ESPECIALIZADA PARA LA CUANTIFICACIÓN DE LA OFERTA EXISTENTE EN LOS SISTEMAS VERDES DE LAS ENTIDADES LOCALES DE LA COMUNITAT VALENCIANA COMO SUMIDEROS DE CO₂ Y CREACIÓN DE UN BANCO DE PARCELAS A NIVEL MUNICIPAL QUE ESTÉ AL SERVICIO DE ENTIDADES COMPENSADORAS DE CO₂

ASOC DE MUNICIPIOS FORESTALES DE LA COMUNIDAD VALENCIANA, Lerma-Arce, Victoria, 31/07/2025-17/11/2025

■ ACTIVIDADES DE INVESTIGACION EN EL MARCO DE LA CATEDRA DEXTROMEDICA

DEXTROMEDICA, S.L., Martinez-Millana, Antonio; Cebrián Ferriols, Antonio José; Traver Salcedo, Vicente, 11/09/2025-22/11/2025

■ SERVICIOS PARA LA REDACCIÓN DE UN PROYECTO INDUSTRIAL, INTEGRANDO ASERRADERO CONVENCIONAL Y PLANTA INDUSTRIAL DE CLT DE PINO

FUNDACION ESPAÑOLA DE RENATURALIZACION, Oliver Villanueva, José Vicente; Urchueguía Schölzel, Javier Fermín, 09/09/2025-30/11/2025

■ HIGH PERFORMANCE AND COST-EFFECTIVE MICROWAVE PROCESSING OF METAL PARTS WITH ULTRA HIGH ISOSTATIC PRESSING (HIPPERWAVES)

CPP2021-008845, **AGENCIA ESTATAL DE INVESTIGACION**, Román-Sánchez, Sara; Sánchez-Marín, Juan Rafael; Miró-Sanz, Adrián; Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel; Canós Marín, Antoni Josep, 01/04/2023-30/11/2025

■ PROJECT AGROPYRON 1 UD IMPEDANCE ANALYZER PROTOTYPE - HIPOM 915MHZ

INNCEINNMAT, S.L., Catalá Civera, José Manuel, 01/07/2025-05/12/2025

■ PROJECT CABLE 1 UD PROTOTYPE: IMPEDANCE ANALYZER PROTOTYPE - HIPOM 2.45GHZ

INNCEINNMAT, S.L., Catalá Civera, José Manuel, 01/07/2025-05/12/2025

■ PROJECT ALMEN: 1 UD IMPEDANCE ANALYZER PROTOTYPE - HIPOM 915MHZ

INNCEINNMAT, S.L., Catalá Civera, José Manuel, 02/06/2025-05/12/2025

■ IMPEDANCE ANALYZER PROTOTYPE - HIPOM 915MHZ

INNCEINNMAT, S.L., Catalá Civera, José Manuel, 02/05/2025-09/12/2025

■ ASESORAMIENTO TÉCNICO SOBRE DIVERSAS ACTIVIDADES DE LA EMPRESA: DISEÑO DE INSTALACIONES DE RIEGO, DISEÑO DE INSTALACIONES FOTOVOLTAICAS, ESTUDIOS AGRONÓMICOS.

MASQUEINGENIEROS ENGINEERING & CONSULTING SLU, Turegano Pastor, José Vicente, 01/09/2025-15/12/2025

■ REFERENCIA: B98539349 INFORME TÉCNICO DE VALIDACIÓN, MEJORA Y AMPLIACIÓN DE ACTUACIONES DE MINIMIZACIÓN DE GASES DE EFECTO INVERNADERO (GEI) Y LUCHA CONTRA EL CAMBIO CLIMÁTICO.

INGENIEROS PROYECTISTAS IMAP CONSULTING, S.L., Lorenzo-Sáez, Edgar, 22/12/2025-30/12/2025

■ HIDRÓGENO VERDE MEDIANTE TECNOLOGÍA MICROONDAS VÍA MATERIALES AVANZADOS

MFA/2022/044, **GENERALITAT VALENCIANA**, Cortés-Serrano, Cristina; Martín-Carmona, Antonio; Pulgar-Soriano, Daniel; Bacete-Barchín, Lucía; Penaranda-Foix, Felipe L.; Bonastre Pina, Alberto Miguel; Catalá Civera, José Manuel, 01/01/2021-30/12/2025

■ CLINICAL UTILIZATION AND EVIDENCE GENERATION FOR REAL-TIME ECGI IN ATRIAL FIBRILLATION

EIT HEALTH E.V., Llorente-Lipe, Inés; Bonastre Pina, Alberto Miguel; Guillem Sánchez, María Salud; Martínez Alzamora, M^a Nieves, 01/03/2025-31/12/2025

■ APOYO A LA IMPLANTACIÓN DEL CENTER FOR DIGITAL TECHNOLOGY AND MANAGEMENT EN VALÈNCIA

S1396, **GENERALITAT VALENCIANA**, Latorre-Carrascosa, Teresa; Pedro; Durán-González, Alicia; Coll, Salvador, 01/01/2025-31/12/2025

■ PARCELAS TRATAMIENTOS SELVÍCOLAS

GENERALITAT VALENCIANA, Rojas Brialess, Eduardo, 01/01/2025-31/12/2025





■ FOMENTO DEL EMPLEO VERDE Y BIOECONOMÍA FORESTAL DE LA REGIÓN DE MURCIA, PARA UNA TRANSFORMACIÓN A SISTEMAS RESILIENTES Y UNA ECONOMÍA BAJA EN EMISIONES DE CARBONO

BF279, **FUNDACION BIODIVERSIDAD**, Pérez-Romero, Javier; Blanco-Cano, Laura; García-Ginés, Ariadna; Arnal-Roig, Laura; Lerma-Arce, Victoria; Campo García, Antonio Dámaso Del; Lidón, Antonio, 23/12/2024-31/12/2025

■ BOOSTING GEOTHERMAL HEAT PUMPS TO MAINSTREAM COST-EFFECTIVE AND EFFICIENT RENEWABLE HEATING AND COOLING IN BUILDINGS

LIFE21-CET-POLICY, **COMISION DE LAS COMUNIDADES EUROPEA**, Van Den Berg-Sesma, Helena Carmen; Montuori, Lina; Martínez-Ponce, Álvaro; Lorenzo-Sáez, Edgar; Javadi, Hossein; Marco-Chueca, Aroa Pilar; Coll-Aliaga, Eloína; Mateo Pla, Miguel Ángel; Lerma-Arce, Victoria; Badenes Badenes, Borja; Oliver Villanueva, José Vicente; Lemus Zúñiga, Lenin Guillermo; Urchueguía Schölzel, Javier Fermín, 04/11/2024-31/12/2025

■ PREVENCIÓN DE INCENDIOS A TRAVÉS DE LA VALORIZACIÓN DE LOS PRODUCTOS FORESTALES EN LAS MANCOMUNIDAD INTERIOR TIERRA DEL VINO Y LA MANCOMUNIDAD CAMP DE TURIA (VALENCIA)

BF080, **FUNDACION BIODIVERSIDAD**, OLMO GILABERT, BEATRIZ; GONZÁLEZ-SANCHIS, MARÍA DEL CARMEN; Ortiz Miranda, Dionisio; Campo García, Antonio Dámaso Del, 09/02/2024-31/12/2025

■ INTELLIGENT NEONATAL MONITORING

PI2023-11, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Martinez-Millana, Antonio; Traver Salcedo, Vicente, 01/10/2023-31/12/2025

■ MONITORIZACION DE LA CALIDAD DE VIDA RELACIONADA CON LA SALUD (CVRS) DE PACIENTES CON GLIOBLASTOMA MEDIANTE SMARTPHONES PARA APOYAR LA TOMA DE DECISIONES EN EL TRATAMIENTO

CIAICO/2022/064, **GENERALITAT VALENCIANA**, Durá-Hernández, Marta; Blanes-Selva, Vicent; Sánchez-García, Daniel; Asensio-Cuesta, Sabina; Sáez Silvestre, Carlos; Garcia-Gomez, Juan M; Fuster García, Elies, 01/01/2023-31/12/2025

■ ESTIMACION NO INVASIVA DE LA FIBROSIS CARDIACA

CIAICO/2022/020, **GENERALITAT VALENCIANA**, Strazzeri-Muñiz, Sabrina; Sánchez-Arciniegas, Jorge Patricio; Herrero-Martín, Clara; Guillem Sánchez, María Salud; Andreu M. Climent, 01/01/2023-31/12/2025

■ DESARROLLO DE UN CONCEPTO DE OPERACIONES PARA LA RESOLUCION DE CONFLICTOS ESTRATEGICOS Y TACTICOS EN ESPACIOS AEREOS USPACE

CIAICO/2022/044, **GENERALITAT VALENCIANA**, Fraiz-Freire, Brando; Sanchis-Marín, Álex; Esparza-Becerra, Silvia Rocío; Quintanilla García, Israel; Balbastre Tejedor, Juan Vicente; Vico-Navarro, Joaquin; Yuste Pérez, Pedro; Vila Carbó, Juan Antonio, 01/01/2023-31/12/2025

■ MEDIDAS DE DOS MUESTRAS DE MATERIAL HASTA 1000°C

UNIVERSITAT DE VALENCIA, Catalá Civera, José Manuel, 21/11/2025-13/02/2026

■ YES4EARNING. TOOLS AND STRATEGIES FOR SUPPORTING THE ADAPTATION TO ELEARNING IN HE SECTOR

2023-1-LT01-KA220-HED-166708, **COMISION DE LAS COMUNIDADES EUROPEA**, Coll-Aliaga, Eloína; Lerma-Arce, Victoria; Martín Furones, Ángel Esteban; Anquela Julián, Ana Belén; Porres De La Haza, Maria Joaquina, 01/10/2023-28/02/2026

■ DESARROLLO DE HERRAMIENTAS DE MAPEO PANORÁMICO PARA LA CARACTERIZACIÓN ELECTRO-ESTRUCTURAL DEL SUSTRATO Y GUIADO DE ABLACIÓN DURANTE FIBRILACIÓN AURICULAR

PAID-10-21, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Guillem Sánchez, María Salud; Hernández-Romero, Ismael, 01/03/2022-28/02/2026

■ REFERENCIA: POR2501147 PREPARACIÓN, MONTAJE Y VERIFICACIÓN DE 25 PROTOTIPOS IR6PAD

POLYMER CHARACTERIZATION S.A., Cebrián Ferriols, Antonio José, 22/12/2025-02/03/2026

■ PRECISE CONTROL OF SINGULAR MICROWAVE FIELD DISTRIBUTIONS THROUGH AI-CALIBRATED SIMULATIONS FOR AVANCED PROCESSING IN METALLURGY

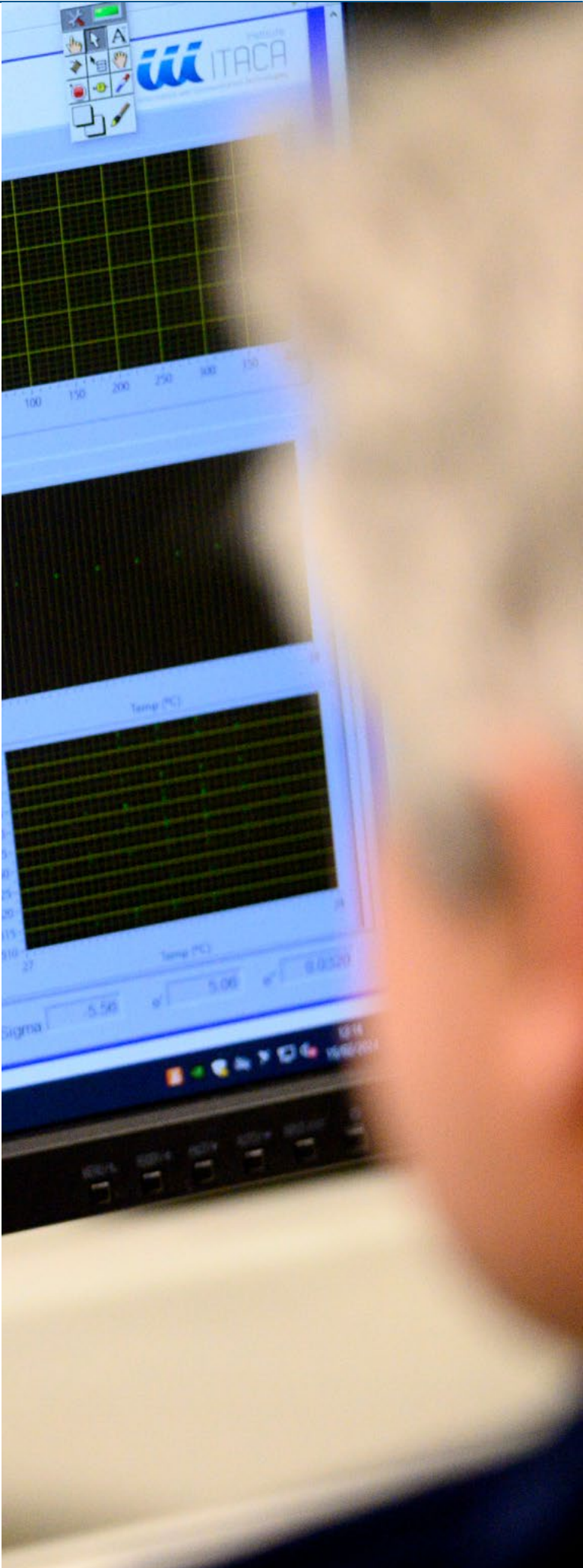
CPP2023-010792, **AGENCIA ESTATAL DE INVESTIGACION**, Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel; Canós Marín, Antoni Josep, 01/10/2024-02/03/2026

■ ASESORAMIENTO TECNOLÓGICO EN LA CREACIÓN DE PROMPTS PARA SISTEMAS GENERATIVOS EN ANESTESIA.

TEMEL, S.A., Cebrián Ferriols, Antonio José, 10/09/2025-10/03/2026

■ APROVECHAMIENTO TÉRMICO DE LAS REDES DE AGUA EN ENTORNOS URBANOS

INNEST/2023/412, **AGENCIA VALENCIANA DE LA INNOVACION**, Van Den Berg-Sesma, Helena Carmen; Javadi, Hossein; Burgos-Muñoz, Daniel; Badenes Badenes, Borja; Martínez-Ponce, Álvaro; Armengot-Carbó, B.; Coll-Aliaga, Eloína; Mateo Pla, Miguel Ángel; Lerma-Arce, Victoria; Oliver Villanueva, José Vicente; García-Serra García, Jorge; Soriano Olivares, Javier; Urchueguía Schölzel, Javier Fermín; Porres De La Haza, Maria Joaquina, 20/04/2023-17/03/2026





■ HIGH PERFORMANCE, SAFE, SECURE, OPEN-SOURCE LEVER-AGED RISC-V DOMAIN-SPECIFIC ECOSYSTEMS

PCI2023-143358, **AGENCIA ESTATAL DE INVESTIGACION**, Del Campo-Calvo, Francisco Javier; Fernández-Andonegui, Iker; Navarro-López, Emilio; Domínguez-Lacal, Juan; Boñal-Bravo, Alberto; Rocher-González, José Manuel; Tuzov, Ilya; Tornero-Gavilá, Rafael; Ruiz, Juan Carlos; de-Andrés-Martínez, David; Hernández Luz, Carles; Flich Cardo, José, 01/05/2023-30/04/2026

■ REFERENCIA: AMADEUS S.A.S. TECHNICAL CONSULTING AND COLLABORATION RELATED TO NUMAX LOUDSPEAKER SYSTEM.

SAS AMADEUS, Castells, Francisco, 30/05/2025-30/05/2026

■ DISEÑO DE UN ESPACIO DE DATOS DE MOVILIDAD SOSTENIBLE PARA LA ALBUFERA DE VALENCIA

INREED/2024/1, **GENERALITAT VALENCIANA**, Mateo-Bolos, Nuria; Bernal-López, Elena; Rosas-Olivos, Erika Susana; Tavares De Araujo Cesariny Calafate, Carlos Miguel; Manzoni, Pietro; Cecilia-Canales, José María; Cano, Juan-Carlos; Martín Furones, Ángel Esteban; Hernández-Orallo, Enrique; Perles, Angel; Posadas-Yagüe, Juan-Luis; Poza-Lujan, Jose-Luis; Blanc Clavero, Sara, 01/02/2025-31/05/2026

■ CANCER PREVENTION AMONG INDIVIDUALS WITH MENTAL ILL-HEALTH: CO-ADAPTING AND IMPLEMENTING PATIENT NAVIGATION FOR PRIMARY CANCER PREVENTION

101104784, **COMISION DE LAS COMUNIDADES EUROPEA**, Cardona-Cubells, María José; García-Santos, Kevin; Asensio-Cuesta, Sabina; Doñate-Martínez, Ascensión; Sánchez-García, Ángel; Blasco-Calafat, Antonio; Blanes-Selva, Vicent; Durá-Hernández, Marta; Sáez Silvestre, Carlos; Garcia-Gomez, Juan M; Fuster García, Elíes, 01/07/2024-31/05/2026

■ EUROPEAN PLATFORM FOR VET EXCELLENCE IN HEALTH CARE

101056415, **COMISION DE LAS COMUNIDADES EUROPEA, SEGURA SEGURA**, MARÍA; García-Montaner, Andrea; Igual García, Jorge; Aparici-Tortajada, Lucía; Ibanez-Sanchez, Gema; Navarro-Martínez, Olga; Fides Valero, Álvaro; Dema Pérez, Carlos Manuel; Fernández Llatas, Carlos; Bayo-Monton, Jose Luis; Lull, Juan-José; Traver Salcedo, Manuel; Traver Salcedo, Vicente, 01/04/2023-31/05/2026

■ PRE-COMMERCIAL PROCUREMENT OF R&D (RESEARCH AND DEVELOPMENT) SERVICES TO DEVELOP AND ICT ENABLED COMPREHENSIVE TREATMENT OF CHRONIC PATIENTS IN RURAL AREAS

TELEVES, S.A., Martinez-Millana, Antonio; Lull, Juan-José; Traver Salcedo, Vicente; Millet Roig, José, 20/01/2023-31/05/2026

■ CONTROL DE PATINETES PARA REDUCIR LA SINIESTRALIDAD Y MEJORAR EL TRÁFICO

SPI2024-078, **AYUNTAMIENTO DE VALENCIA**, Italiano, Raffaele; Tedesco, Alfonso; Martinez-Millana, Antonio; Cebrián Ferriols, Antonio José; Ballester Merelo, Francisco José, 23/12/2024-19/06/2026

■ REFERENCIA: G-AGUA ASISTENCIA TÉCNICA EN APLICACIÓN DE INDICADORES DE SOSTENIBILIDAD PARA SERVICIOS DE BIOCLIMATIZACIÓN.

TECNOLOGIA DE LA GESTION DEL AGUA SLNE, Lorenzo-Sáez, Edgar, 06/11/2025-30/06/2026

■ SCIENCE-BASED INTEGRATED FOREST MITIGATION MANAGEMENT MADE OPERATIONAL FOR EUROPE

101060309, **COMISION DE LAS COMUNIDADES EUROPEA**, Martínez-Ponce, Álvaro; Armengot-Carbó, B.; Van Den Berg-Sesma, Helena Carmen; Turegano Pastor, José Vicente; Gómez Moya, Luís; Lorenzo-Sáez, Edgar; Vinué-Visús, David; Marco-Chueca, Aroa Pilar; Lerma-Arce, Victoria; Urchueguía Schölzel, Javier Fermín; ESTEVE-NAVARRO, MARTA ; Yagüe-Hurtado, Celia; Badenes Badenes, Borja; Coll-Aliaga, Eloína; Oliver Villanueva, José Vicente; Rojas Briales, Eduardo, 01/06/2025-30/06/2026

■ SISTEMA DE APOYO A LA DECISIÓN EN MEDICIÓN CONTINUA DE GLUCOSA BASADO EN INGENIERÍA DE DATOS E INTELIGENCIA ARTIFICIAL

POLISABIO2024_AP11, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Fides Valero, Álvaro; Valero Ramon, Zoe; Martinez-Millana, Antonio, 01/01/2025-30/06/2026

■ DISEÑO Y DESARROLLO DE UNA APLICACIÓN PARA LA CONEXIÓN EN RED DE PERSONAS CUIDADORAS NO PROFESIONALES Y VOLUNTARIAS PARA EL APOYO TEMPORAL

POLISABIO2024_AP20, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Ibanez-Sanchez, Gema; Traver Salcedo, Vicente, 01/01/2025-30/06/2026

■ CRAQUEO NO OXIDATIVO DE METANO INDUCIDO POR MICROONDAS PARA LA PRODUCCIÓN DE HIDRÓGENO

PAID-06-24, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Gutiérrez Cano, José Daniel; Bacete-Barchín, Lucía; Serra Alfaro, José Manuel, 01/01/2025-30/06/2026

■ CUANTIFICACIÓN DE LOS REQUERIMIENTOS ENERGÉTICOS EN PROCESADO DE MATERIALES CON TECNOLOGÍA DE MICROONDAS

PAID-06-24, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Sánchez-Marín, Juan Rafael; Penaranda-Foix, Felipe L.; Román-Sánchez, Sara, 01/01/2025-30/06/2026

■ QUALITY, UTILITY AND MATURITY MEASURED; DEVELOPING A DATA QUALITY AND UTILITY LABEL FOR HEALTHDATA@EU

101137057, **COMISION DE LAS COMUNIDADES EUROPEA**, Durá-Hernández, Marta; Cardona-Cubells, María José; García-Santos, Kevin; Doñate-Martínez, Ascensión; Blanes-Selva, Vicent; Sánchez-García, Ángel; Asensio-Cuesta, Sabina; Sáez Silvestre, Carlos; Garcia-Gomez, Juan M; Fuster García, Elíes, 01/12/2024-30/06/2026

■ INTEGRATED, INNOVATIVE AND PARTICIPATORY MANAGEMENT FOR THE MARINE NATURA 2000 NETWORK IN SPAIN

LIFE15 IPE ES 012, **COMISION DE LAS COMUNIDADES EUROPEA**, Giner-Tarazona, Pablo; C.A.-Quiroz-Rangel; Escrivá, Julia; Garófano-Gómez, Virginia; Busquets Mataix, David Jeronimo; Dizin, Alexis Alban; Pérez-Torralba, Guillermo; Lloret-Gaona, Álvaro; Javier Busquets; Sabater-Estellés, Francisco José; Basterrechea-Chertudi, Daniel Andoni; Muñoz-Benavent, Pau; Andreu García, Gabriela; Miralles Ricós, Ramón; Gosálbez Castillo, Jorge; Bosch Roig, Ignacio; Lloret, Jaime; Valiente González, José Miguel; Busquets Mataix, José Vicente; Belda, Eduardo-Jorge ; Sogorb Devesa, Tomás; Martínez Mora, Juan Antonio; Sendra, Sandra; Ardid, Miguel; Pelegri-Sebastia, Jose; Atienza-Vanacloig, Vicente; Pérez Arjona, Isabel; Espinosa Roselló, Víctor, 01/01/2021-30/06/2026

■ CUANTIFICACION DEL SUSTRATO ARRITMOGENICO EN MAPAS DE ACTIVACION LOCAL DE ALTA DENSIDAD

FPU22/01180, **MINISTERIO DE CIENCIA E INNOVACION**, Ruiperez-Campillo, Samuel; Millet Roig, José, 15/01/2024-31/07/2026



■ SENSING USING QUANTUM OCT WITH AI

101070062, **COMISION DE LAS COMUNIDADES EUROPEA**, Carretero-Juchnowicz, Ilán Francisco; Meseguer, Pablo; Golfe-San Martín, Alejandro; Mirabet-Herranz, Nélida; Morales, Sandra; del Amor, Rocío; Pastor-Naranjo, Francisco; Colomer, Adrián; Poves-Carrasco, Pablo; Alonso-Jordá, Pedro; Paya-Bosch, Elena; Cantero-Ramis, Jesús Ángel; Penaranda-Foix, Felipe L.; Piñero, Gema; Candelas Valiente, Pilar; Llinares Millán, María Del Carmen; Fuster Escuder, José Miguel; Diego-Mas, Jose Antonio; Contero, Manuel; Naranjo Ornedo, Valeriana, 01/11/2022-31/07/2026

■ EXPLORING MICROWAVE ENHANCED CATALYTIC PROCESSES

BASF AKTIENGESSELLSCHAFT, Catalá Civera, José Manuel, 09/12/2025-31/08/2026

■ MODELIZACION DE LA CINEMATICA DE LA INFORMACION PARA UNA INTELIGENCIA ARTIFICIAL MEDICA RESISTENTE A LOS CAMBIOS

PID2022-138636OA-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Ferri-Borredà, Pablo; Sánchez-García, Ángel; Fernandez-Narro, David; Sáez Silvestre, Carlos; Giménez Pérez, Alicia; Sanchis Sabater, Antonio; Garcia-Gomez, Juan M; García-Santos, Kevin, 01/12/2024-31/08/2026

■ U-SPACE SEPARATION MANAGEMENT

101114674, **SESAR 3 JOINT UNDERTAKING (SESAR 3 JU)**, Amarillo-Vañó, Sandra; Sanchis-Marín, Álex; González-Rodríguez, Manuel; Alegría-Palenzuela, Raúl; Fraiz-Freire, Brando; Monzonís Melero, Víctor; Esparza-Becerra, Silvia Rocío; Balbastre Tejedor, Juan Vicente; Yuste Pérez, Pedro; Rodas Jordá, Ángel; Vila Carbó, Juan Antonio, 01/09/2023-31/08/2026

■ NUEVAS PERSPECTIVAS Y HERRAMIENTAS PARA IDENTIFICAR REGIONES FUNCIONALES CRITICAS DE TEJIDO ARRITMOGENICO MEDIANTE PROCESADO ARRAY DE MAPAS LOCALES EN CATHETER MULTIELECTRODO

PID2022-142514OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Raúl; Elisa; Pérez Sánchez, José Antonio; Castells, Francisco; Tormos Ferrando, Álvaro; Guill Ibáñez, Antonio; Cebrián Ferriols, Antonio José; Llinares Llopis, Raúl; Millet Roig, José; Ruiperez-Campillo, Samuel, 01/09/2023-31/08/2026

■ DESARROLLO DE UNA HERRAMIENTA DE MAPEO PANORAMICO PARA LA EVALUACION DE SUSTRATOS ELECTRO-ESTRUCTURALES PARA GUIAR LA ABLACION DE LA FIBRILACION AURICULAR UTILIZANDO AI

PRE2021-097902, **AGENCIA ESTATAL DE INVESTIGACION**, Macarulla-Rodríguez, María; Guillem Sánchez, María Salud, 01/09/2022-31/08/2026

■ LA CIENCIA CUENTA: PLAN ANUAL DE LA UCC+I DE UNIVERSITAT POLITÈCNICA DE VALÈNCIA

FCT-24-21470, **FUNDACION ESPAÑOLA PARA LA CIENCIA Y LA TECNOLOGIA**, Monsoriu Serra, Juan Antonio; Saiz Mauleón, María Begoña; Monserrat del Río, Jose Francisco, 16/09/2025-15/09/2026

■ HIGH PERFORMANCE, SAFE, SECURE, OPEN-SOURCE LEVERAGED RISC-V DOMAIN-SPECIFIC ECOSYSTEMS

101112274, **KEY DIGITAL TECHNOLOGIES JOINT UNDERTAKING (KDT JU)**, Del Campo-Calvo, Francisco Javier; Fernández-Andonegui, Iker; Navarro-López, Emilio; Domínguez-Lacal, Juan; Rocher-González, José Manuel; López Rodríguez, Pedro Juan; Tornero-Gavilá, Rafael; Tuzov, Ilya; Zaera Sanz, Manuel; Ruiz, Juan Carlos; de-Andrés-Martínez, David; Hernández Luz, Carles; Flich Cardo, José, 01/05/2023-31/10/2026

■ DESARROLLO PARA LA GENERACIÓN DE HIDRÓGENO VERDE MEDIANTE LA REDUCCIÓN DIRECTA DE UN MATERIAL POR MICORRONDAS Y OPCIÓN DE LICENCIA DE LA PATENTE ES 2726028 Y SUS EXTENSIONES A OTROS PAISES

SENER, INGENIERIA Y SISTEMAS, S.A., ROS CUITAVI, ARANZAZU; Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel; Canós Marín, Antoni Josep, 25/01/2023-12/11/2026

■ UPGRADING OF LOW-QUALITY IRON ORES AND MILL SCALE WITH LOW CARBON TECHNOLOGIES

101091960, **COMISION DE LAS COMUNIDADES EUROPEA**, Bonastre Pina, Alberto Miguel; Gomis-Gómez, Óscar; ROS CUITAVI, ARANZAZU; Penaranda-Foix, Felipe L.; Balbastre Tejedor, Juan Vicente; Catalá Civera, José Manuel; Canós Marín, Antoni Josep; García-Baños, Beatriz, 01/01/2025-30/11/2026

■ HEALTH OUTCOMES FROM RAISED URBAN SETTINGS

101136516, **COMISION DE LAS COMUNIDADES EUROPEA**, Sánchez-García, Daniel; Ferri-Borredà, Pablo; López-Mateu, Carles; Cardona-Cubells, María José; Durá-Hernández, Marta; García-Santos, Kevin; Sáez Silvestre, Carlos; Fuster García, Elies; Doñate-Martínez, Ascensión; Blanes-Selva, Vicent; Sánchez-García, Ángel; Asensio-Cuesta, Sabina; Garcia-Gomez, Juan M, 01/07/2024-30/11/2026

■ PROPUESTA METODOLÓGICA PARA DESARROLLO DE PROYECTOS DE RIEGO PARA GARANTIZAR LA SEGURIDAD ALIMENTARIA Y LA MEJORA DE LAS CONDICIONES SOCIO-ECONÓMICAS BÁSICAS EN MADAGASCAR. ESTUDIO PILOTO POBLADO MINERO

AD2410, **UNIVERSIDAD POLITECNICA DE VALENCIA**, González-Pavón, César; Palau C.V.; Saiz Mauleón, María Begoña; Balbastre Peralta, Iban; Manzano Juarez, Juan; Pascual-Seva, Nuria; Sanchis Ibor, Carles, 01/01/2025-31/12/2026





■ ANÁLISIS CURRICULAR ENSEÑANZA FÍSICA EXPERIMENTAL EN LAS CARRERAS DE INGENIERÍA DE LA UNIVERSIDAD ESTATAL AMAZÓNICA DE ECUADOR Y DESARROLLO DE INNOVACIONES DE BAJO COSTE BASADAS EN LOS SENSORES DE LOS TELÉFONOS INTELIGENTES

AD2410, **UNIVERSIDAD POLITÉCNICA DE VALENCIA**, Pérez-Hernández, Arlen Beatriz; Muñoz-Pérez, Francisco Misael; Seiz Ortiz, Rafael; Garmendía-Martínez, Adrián; Ferrando, Vicente; Sánchez-Ortiga, Emilio; Sans-Tresserras, Juan Ángel; Monsoriu Serra, Juan Antonio; Cuenca-Gotor, Vanesa-Paula; Castro-Palacio, Juan Carlos; Saiz Mauleón, María Begoña; Fernández de Córdoba, Pedro; Gimenez Valentin, Marcos Herminio, 01/01/2025-31/12/2026

■ ADAPTACIÓN DE UNA IMPRESORA 3D CON MICROONDAS PARA FUSIÓN SELECTIVA DE REGOLITOS LUNARES

PAID-06-24, **UNIVERSIDAD POLITÉCNICA DE VALENCIA**, Catalá Civera, José Manuel; García-Baños, Beatriz; Miró-Sanz, Adrián, 01/01/2025-31/12/2026

■ BENVERD - ANÁLISIS MULTIBENEFICIO DE ZONAS VERDES Y ARBOLADO URBANO COMO ESTRATEGIA DE ADAPTACIÓN AL CAMBIO CLIMÁTICO Y DESCARBONIZACIÓN EN CIUDADES.

UNIVERSIDAD POLITÉCNICA DE VALENCIA, Quintanilla García, Israel; Montuori, Lina; Coll-Aliaga, Eloína; Gómez-Parada, Nicolás; Alfonso-Solar, David; Galiana, Francisco; Vallés-Planells, María; De la Poza, Elena; Lidón, Antonio, 01/01/2025-31/12/2026

■ SERVICIO DE ASESORAMIENTO EN TECNOLOGÍAS DE LA INFORMACIÓN E INGENIERÍA DE PROCESOS ASISTENCIALES E INNOVACIÓN SANITARIA BASADA EN VALOR CON EL OBJETO DE DESARROLLAR UN ESPACIO DE PRUEBA DE SOLUCIONES (SANDBOX)

FUNDACION INVESTIGACION HOSPITAL CLINICO CV, Valero Ramon, Zoe; Fernández Llatas, Carlos; Ibanez-Sanchez, Gema; Traver Salcedo, Vicente, 02/12/2024-31/12/2026

■ DESARROLLO DE UN SISTEMA BASADO EN TICS AVANZADAS PARA LA PREDICCIÓN Y ALERTAS SANITARIAS POR CONTAMINACIÓN ATMOSFÉRICA EN AL COMUNIDAD VALENCIANA

INNEST/2024/50, **AGENCIA VALENCIANA DE LA INNOVACION**, Martínez-Ponce, Álvaro; Valero Ramon, Zoe; Lorenzo-Sáez, Edgar; Fuente-Herraiz, David; ESTEVE-NAVARRO, MARTA ; Armengot-Carbó, B.; Javadi, Hossein; Van Den Berg-Sesma, Helena Carmen; Coll-Aliaga, Eloína; Lerma-Arce, Victoria; Martinez-Millana, Antonio; Oliver Villanueva, José Vicente; Traver Salcedo, Vicente; Urchueguía Schölzel, Javier Fermín; Porres De La Haza, Maria Joaquina, 30/11/2024-31/12/2026

■ EFFICIENT COMPACT MODULAR THERMAL ENERGY STORAGE SYSTEM

101096368, **COMISION DE LAS COMUNIDADES EUROPEA**, Yagüe-Hurtado, Celia; Armengot-Carbó, B.; Javadi, Hossein; Montuori, Lina; Oná-Ayéca, Andrés Ondó; Martínez-Ponce, Álvaro; Lorenzo-Sáez, Edgar; Fuente-Herraiz, David; Marco-Chueca, Aroa Pilar; Zotovic Stanisic, Ranko; Van Den Berg-Sesma, Helena Carmen; Coll-Aliaga, Eloína; Mateo Pla, Miguel Ángel; Alcázar-Ortega, Manuel; Badenes Badenes, Borja; Oliver Villanueva, José Vicente; Urchueguía Schölzel, Javier Fermín; Porres De La Haza, Maria Joaquina, 04/11/2024-31/12/2026

■ APLICACIONES DE SISTEMAS AERIS NO TRIPULATS (DRONS) PER A LA INNOVACIÓ REGIONAL EN ÀMBITS U-SPACE

INNEST/2024/512, **AGENCIA VALENCIANA DE LA INNOVACION**, Martínez-Lores, Juan Alberto; Jordi Vidal Ull; Cervera-Tortajada, Joan; Quintanilla García, Israel; Gallego Salguero, Aurea Cecilia; Yuste Pérez, Pedro, 01/10/2024-31/12/2026

■ LUCHA INTEGRAL CONTRA EL IMPACTO DEL CAMBIO CLIMÁTICO EN ÁREAS FORESTALES DEL ESPACIO SUDOE

S1/2.4/E0079, **COMISION DE LAS COMUNIDADES EUROPEA**, Blanco-Cano, Laura; García-Ginés, Ariadna; Lerma-Arce, Victoria; Arnal-Roig, Laura; Pérez-Romero, Javier; Campo García, Antonio Dámaso Del, 16/09/2024-31/12/2026

■ SPACE-BASED COMPOSITE ADS-B AND MULTILATERARION SYSTEM VALIDATION THROUGH SCALABLE SIMULATIONS

101164313, **SESAR 3 JOINT UNDERTAKING (SESAR 3 JU)**, Sanchez-Riera, Sebastian; Esparza-Becerra, Silvia Rocío; Rubio Arjona, Lorenzo; Rodrigo Peñarrocha, Vicent Miquel; Reig, Juan; Monzonís Melero, Víctor; Balbastre Tejedor, Juan Vicente, 01/07/2024-31/12/2026

■ SERVICIOS AVANZADOS DE CAPTACIÓN DE FINANCIACIÓN INTERNACIONAL DE LA I+D+I PARA REFORZAR CAPACIDADES DE TRANSFERENCIA AL TEJIDO EMPRESARIAL VALENCIANO Y DESARROLLO DE NUEVOS SECTORES INDUSTRIALES BASADOS EN TECNOLOGÍAS EMERGENTES

INNACC/2024/22, **AGENCIA VALENCIANA DE LA INNOVACION**, Arroyo-Vázquez, Mónica; Capella Hernández, Juan Vicente; Tomás Dolado, Eduardo, 01/01/2024-31/12/2026

■ UNLEASHING THE POTENTIAL OF PUBLIC TRANSPORT IN EUROPE

101095904, **COMISION DE LAS COMUNIDADES EUROPEA**, Yagüe-Hurtado, Celia; Martínez-Ponce, Álvaro; Van Den Berg-Sesma, Helena Carmen; Javadi, Hossein; Armengot-Carbó, B.; Marco-Chueca, Aroa Pilar; Lorenzo-Sáez, Edgar; Coll-Aliaga, Eloína; Lerma-Arce, Victoria; Badenes Badenes, Borja; Oliver Villanueva, José Vicente; Urchueguía Schölzel, Javier Fermín; Porres De La Haza, Maria Joaquina, 06/07/2023-31/12/2026

■ IMPRESORA 3D DE ALIMENTOS CON MICROONDAS: HACIA UNA DISRUPCIÓN EN ALIMENTACIÓN PERSONALIZADA Y SOSTENIBLE

INNVA1/2024/38, **AGENCIA VALENCIANA DE LA INNOVACION**, Miró-Sanz, Adrián; Martín-Carmona, Antonio; López-López, Rebeca; ROS CUITAVI, ARANZAZU; Penaranda-Foix, Felipe L.; Martínez-Monzó, Javier; Catalá Civera, José Manuel; García-Segovia, Purificación; Canós Marín, Antoni Josep; García-Baños, Beatriz; Igual Ramo, Marta, 01/01/2024-01/01/2027

■ U-SPACE AIR AND GROUND RISK MODELS ENHANCEMENT

101167187, **SESAR 3 JOINT UNDERTAKING (SESAR 3 JU)**, Fraiz-Freire, Brando; Sanchis-Marín, Álex; Amarillo-Vañó, Sandra; Sanchez-Riera, Sebastian; Alegría-Palenzuela, Raúl; Rodas Jordá, Ángel; Esparza-Becerra, Silvia Rocío; Balbastre Tejedor, Juan Vicente; Vila Carbó, Juan Antonio, 01/09/2024-28/02/2027

■ DEFINICION Y VALIDACION DE LOS REQUISITOS DE SEGURIDAD, RENDIMIENTO E INTEROPERABILIDAD PARA EL FUTURO MARCO DE COMUNICACIONES Y VIGILANCIA DEL U-SPACE

PID2022-141829OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Fraiz-Freire, Brando; Amarillo-Vañó, Sandra; Migualema-Quimbita, Denis Andrés; Balbastre Tejedor, Juan Vicente; Yuste Pérez, Pedro; Gomez-Barquero, David; Vila Carbó, Juan Antonio; Vico-Navarro, Joaquin, 01/09/2023-28/02/2027

■ PROCESOS SOSTENIBLES ENERGETICAMENTE EN LA INDUSTRIA QUIMICA: CAPTURA Y USO DE CO2 ASISTIDOS POR CALENTAMIENTO MICROONDAS

PID2022-138336OB-C22, **AGENCIA ESTATAL DE INVESTIGACION**, Bacete-Barchín, Lucía; Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel; Canós Marín, Antoni Josep; Plaza González, Pedro José, 01/09/2023-28/02/2027

■ APLICACIÓN DE MICROONDAS DURANTE EL PROCESADO DE ALIMENTOS POR IMPRESIÓN 3D

PAID-01-22, **UNIVERSIDAD POLITÉCNICA DE VALENCIA**, Vicente-Jurado, Diana; Catalá Civera, José Manuel, 01/03/2023-28/02/2027

■ PERSONAL TÉCNICO DE APOYO- ANDREA GARCÍA

PTA2022-022398-I A, **AGENCIA ESTATAL DE INVESTIGACION**, García-Montaner, Andrea; Traver Salcedo, Vicente, 01/04/2024-31/03/2027



■ **TECNOLOGÍAS PARA EMERGENCIAS Y RESILIENCIA AMBIENTAL CON DRONES**

SPI2025-110, **AYUNTAMIENTO DE VALENCIA**, Quintanilla García, Israel; Gallego Salguero, Aurea Cecilia; Yuste Pérez, Pedro; Berné Valero, José Luis, 03/11/2025-02/05/2027

■ **APLICACIÓN DE MICROONDAS DURANTE EL PROCESADO DE ALIMENTOS POR IMPRESIÓN 3D**

CIACIF/2022/308, **GENERALITAT VALENCIANA**, Catalá Civera, José Manuel; García-Segovia, Purificación; Vicente-Jurado, Diana, 16/11/2023-31/05/2027

■ **NON-INVASIVE VASCULAR PRESSURE MONITOR**

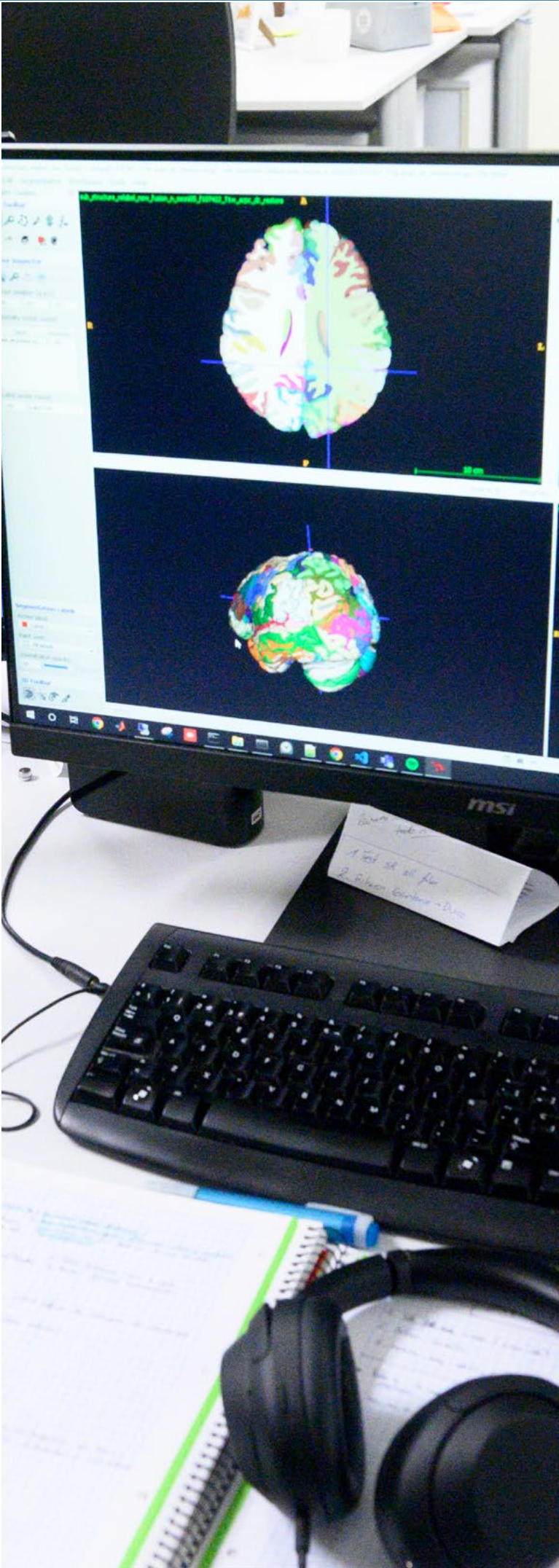
PI2025-09, **UNIVERSIDAD POLITECNICA DE VALENCIA**, García Narbón, José Vicente; Martínez-Millana, Antonio; Jiménez Jiménez, Yolanda; ROCHA GASO, MARÍA ISABEL, 01/09/2025-31/08/2027

■ **INTERCULTURALITY CONCEPTS ANALYSED AND RENEWED FOR EDUCATION AND TRAINING**

2024-1-FR01-KA220-HED-00248429, **COMISION DE LAS COMUNIDADES EUROPEA**, Penaranda-Foix, Felipe L.; Gutiérrez Cano, José Daniel; Bachiller Martin, Maria Carmen; García-Baños, Beatriz, 01/09/2024-31/08/2027

■ **EXPLORANDO LA FUSION DE TECNOLOGIAS: IMPRESION 3D Y MICROONDAS EN LA PRODUCCION DE ALIMENTOS**

CIAICO/2023/173, **GENERALITAT VALENCIANA**, Molina-Montero, María del Carmen; Matas-Gil, Adrián; Arnal-Salinas, Milagros; Igual Ramo, Marta; Penaranda-Foix, Felipe L.; Martínez-Monzó, Javier; Catalá Civera, José Manuel; García-Segovia, Purificación; Pagán Moreno, Mª Jesús, 01/09/2024-31/08/2027



■ **TRAINING PROGRAM FOR ENHANCING THE MANAGEMENT AND ANALYSIS OF GEOGRAPHY**

2025-1-ES01-KA220-VET-363836, **COMISION DE LAS COMUNIDADES EUROPEA**, Fernández-Sarría, Alfonso; Coll-Aliaga, Eloína; Lorenzo-Sáez, Edgar; Lerma-Arce, Victoria; Recio Recio, Jorge Abel; Porres De La Haza, Maria Joaquina, 01/11/2025-31/10/2027

■ **TECNOLOGÍA APOLO PARA EL MAPEO DE PRECISIÓN DE LAS ARRITMIAS CARDIACAS Y LA PREVENCIÓN Y TRATAMIENTO DE LA MUERTE SÚBITA CARDIACA**

CPP2023-010504, **AGENCIA ESTATAL DE INVESTIGACION**, Monllor-Parres, Raquel; Strazzeri-Muñiz, Sabrina; Herrero-Martín, Clara; Ortigosa-Calatayud, Carla; Carrasco-Villegas, Arancha; Correas-García, María; Guillem Sánchez, María Salud, 01/11/2024-31/10/2027

■ **ANESTECH. ESTRATIFICACIÓN DEL RIESGO PREANESTÉSICO A TRAVÉS DE LA VALORACIÓN REMOTA DE PACIENTES UTILIZANDO HERRAMIENTAS BASADAS EN IA CIBERSEGURAS.**

INNEST/2025/436, **AGENCIA VALENCIANA DE LA INNOVACION**, Fides Valero, Álvaro; SEGURA SEGURA, MARÍA; Traver Salcedo, Manuel; Gómez-Noé, Alejandro; Bayo-Monton, Jose Luis; Ibanez-Sanchez, Gema; Fernández Llatas, Carlos; Traver Salcedo, Vicente, 01/12/2025-31/12/2027

■ **PROCESADOR DE INTELIGENCIA ARTIFICIAL NEUROMÓRFICA PARA VISIÓN ARTIFICIAL EN APLICACIONES AEROSPAZIALES (NEUROAI4SPACE)**

INNEST/2025/339, **AGENCIA VALENCIANA DE LA INNOVACION**, Ferreres-Expósito, Joan; Ruiz, Juan Carlos; de-Andrés-Martínez, David; Gracia-Morán, Joaquín; Baraza-Calvo, Juan-Carlos; Saiz-Adalid, Luis-J.; Gil Tomás, Daniel Antonio; Gil, Pedro, 07/07/2025-31/12/2027

■ **ITACA FORWARD: UCIE DEL INSTITUTO ITACA**

INNVA2/2025/17, **AGENCIA VALENCIANA DE LA INNOVACION**, Besó-Puchades, Carlos; Poveda-Poveda, Mercedes; Catalá Civera, José Manuel; Guillem Sánchez, María Salud; de-Andrés-Martínez, David; Martinez-Millana, Antonio; Oliver Villanueva, José Vicente; Millet Roig, José, 01/01/2025-31/12/2027

■ **DESARROLLO DE UN SOFTWARE DE ANÁLISIS DE IMAGEN DE RM CEREBRAL MULTIMODAL DE ULTRA-ALTA RESOLUCIÓN PARA SU APLICACIÓN A ENTORNOS CLÍNICOS**

PID2023-152127OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Ivars-Grimalt, Jaume; Gonzalez-Cebrian, Angela; Morell-Ortega, Sergio; Ruiz-Perez, Marina; Rubio Navarro, Gregorio; Manjón Herrera, José Vicente; Vivó, Roberto, 01/09/2024-31/12/2027

■ **MONITORIZACIÓN DE LA CALIDAD DE VIDA DE PACIENTES CON CÁNCER DE PULMÓN EN TRATAMIENTO CON SENSORES MÓVILES Y AUTOINFORMES PARA AYUDAR**

PID2023-149558OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Montosa-Micó, Víctor; Sánchez-García, Ángel; Asensio-Cuesta, Sabina; Garcia-Gomez, Juan M, 01/09/2024-31/12/2027

■ **IMAGEN ELECTROCARDIOGRÁFICA DE PRECISIÓN. MAPEO MÁS ALLÁ DEL EPICARDIO**

PID2023-149812OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Fambuena-Santos, Carlos; Moreno-López, Raúl; Gemma; Macarulla-Rodríguez, María; Herrero-Martín, Clara; Guillem Sánchez, María Salud; Martínez Alzamora, Mª Nieves; Andreu M. Climent, 01/09/2024-31/12/2027

■ **PREVENCIÓN DEL DESARROLLO DE LESIÓN PULMONAR INDUCIDA POR VENTILACIÓN MECÁNICA EN PACIENTE NEONATAL Y PEDIÁTRICO.**

PID2023-150762OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Ferrón-Vivó, María; Rupérez Moreno, María José; Martinez-Sanchis, Sandra; Martinez-Millana, Antonio; Pedrosa, Ana M., 01/09/2024-31/12/2027



■ INNOVACIÓN EN LA IMPRESIÓN 3D DE ALIMENTOS CON PROCESAMIENTO SIMULTÁNEO POR MICROONDAS EXTREMAS

PID2023-149275OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, Igual Ramo, Marta; Barrios-Rodríguez, Yeison Fernando; Sánchez-Marín, Juan Rafael; Molina-Montero, María del Carmen; Gutiérrez Cano, José Daniel; Martínez-Monzó, Javier; Catalá Civera, José Manuel; García-Segovia, Purificación; Matas-Gil, Adrián; Pagán Moreno, M^a Jesús; Vicente-Jurado, Diana; García-Baños, Beatriz; Plaza González, Pedro José; Doménech, Tania, 01/09/2024-31/12/2027

■ NUEVAS METRICAS PARA LA CARACTERIZACION DEL GRADO DE FIBROSIS A PARTIR DEL ANALISIS AVANZADO DE CARTOGRAFIA ENDOCARDICA ELECTRICA OBTENIDA MEDIANTE CATETERES DE ALTA DENSIDAD EN CONFIGURACION ARRAY

FPU22/02462, **MINISTERIO DE CIENCIA E INNOVACION**, Castells, Francisco; Elisa, 15/01/2024-14/01/2028

■ NUEVAS PERSPECTIVAS Y HERRAMIENTAS PARA IDENTIFICAR REGIONES FUNCIONALES CRITICAS DE TEJIDO ARRITMOGENICO MEDIANTE PROCESADO ARRAY DE MAPAS LOCALES EN CATHETER MULTIELECTRODO

PREP2022-000297, **AGENCIA ESTATAL DE INVESTIGACION**, Raúl; Castells, Francisco; Millet Roig, José, 01/12/2023-31/01/2028

■ DEFINICION Y VALIDACION DE LOS REQUISITOS DE SEGURIDAD, RENDIMIENTO E INTEROPERABILIDAD PARA EL FUTURO MARCO DE COMUNICACIONES Y VIGILANCIA DEL U-SPACE

PREP2022-000306, **AGENCIA ESTATAL DE INVESTIGACION**, Maigualema-Quimbita, Denis Andrés; Balbastre Tejedor, Juan Vicente, 01/12/2023-29/02/2028

■ AI-ASSISTED SOLUTIONS FOR ENHANCING THE INDEPENDENT LIVING OF PERSONS WITH INTELLECTUAL DISABILITIES

COMISION DE LAS COMUNIDADES EUROPEA, Valero Ramon, Zoe; Gómez-Noé, Alejandro; SEGURA SEGURA, MARÍA; Ibanez-Sanchez, Gema; Lull, Juan-José; Fernández Llatas, Carlos; Igual García, Jorge; Traver Salcedo, Vicente, 31/12/2025-30/06/2028

■ FLEXIBLE HYBRID ELECTRICAL SYSTEMS FOR SUSTAINABLE PROCESS INTENSIFICATION ON-DEMAND AND WHERE REQUIRED

101192990, **COMISION DE LAS COMUNIDADES EUROPEA**, Martín-Carmona, Antonio; ROS CUITAVI, ARANZAZU; Ruiz-Rocamora, Alexia; Bonastre Pina, Alberto Miguel; Canós Marín, Antoni Josep; Gomis-Gómez, Óscar; García-Baños, Beatriz; Gallego-Baladé, Miguel Angel; Penaranda-Foix, Felipe L.; Catalá Civera, José Manuel, 01/06/2025-30/06/2028

■ COMPRENDIENDO LAS REGIONES PERITUMORALES EN TUMORES CEREBRALES AGRESIVOS: AVANCES BASADOS EN IA PARA MEJORAR LA PLANIFICACIÓN DEL TRATAMIENTO

PID2024-156848OB-I00, **AGENCIA ESTATAL DE INVESTIGACION**, López-Mateu, Carles; Uris Martínez, Antonio; González Altozano, Pablo; Gasque Albalate, Maria; Gil-Terrón-Rodríguez, Francisco Javier; Giménez Pérez, Alicia; Sanchis Sabater, Antonio; Hernández Fenollosa, María De Los Ángeles; Fuster García, Elíes; Gómez-Mahiques, María, 01/09/2025-31/08/2028

■ PROSPECTIVA Y ANÁLISIS DE FUTUROS DE LOS PRODUCTOS AGRÍCOLAS DE LA HUERTA DE LA COMUNIDAD VALENCIANA / FORESIGHT AND FUTURES ANALYSIS OF AGRICULTURAL PRODUCTS FROM THE HUERTA OF THE VALENCIA REGION

CIPROM/2023/32, **GENERALITAT VALENCIANA**, Sánchez-Del Toro, María Isabel; CARCEL MAS, MARIA CARMEN; Arnau, Roger; Sanchez-Arnau, Claudia; Guerra-Carmenate, José; Ferrer Sapena, Antonia; Sánchez Pérez, Juan Vicente; Coll-Aliaga, Eloína; Ortigosa, Nuria; Calabuig, J. M.; Fernández de Córdoba, Pedro; Sánchez Pérez, Enrique Alfonso, 01/09/2024-31/08/2028

■ STRUCTURE OF PAINTINGS: ARTISTS, MATERIALS, ENVIRONMENT AND FAILURE MECHANISMS

CIPROM/2023/9, **GENERALITAT VALENCIANA**, Osete Cortina, Laura; Fuster-López, Laura; Perles, Angel, 01/09/2024-31/08/2028

■ INGENIERÍA AVANZADA DE RADIOFRECUENCIA Y TELEMETRÍA PARA LA INTEGRACIÓN MULTIMODAL EN EL MAPEO DE ARRITMIAS ESTRUCTURALES

CPP2024-011368, **AGENCIA ESTATAL DE INVESTIGACION**, Guillem Sánchez, María Salud, 03/11/2025-02/11/2028

■ LICENCIA ERGONAUTAS

DIGITAL RIVER GMBH, Asensio-Cuesta, Sabina; Diego-Mas, Jose Antonio, 03/12/2008-03/12/2028

■ BOOSTING RESILIENCE, INNOVATION AND GROWTH IN THE HEALTH INDUSTRY THROUGH SKILLS DEVELOPMENT

101187080, **COMISION DE LAS COMUNIDADES EUROPEA**, Valero Ramon, Zoe; Bayo-Monton, Jose Luis; García-Montaner, Andrea; SEGURA SEGURA, MARÍA; Fides Valero, Álvaro; Martínez-Monzó, Javier; García-Segovia, Purificación; Ibanez-Sanchez, Gema; Martinez-Millana, Antonio; Lull, Juan-José; Igual García, Jorge; Pagán Moreno, M^a Jesús; Traver Salcedo, Manuel; Traver Salcedo, Vicente; Llinares Llopis, Raúl; Camacho-García, Andrés, 01/01/2025-31/12/2028

■ PREVENCION DEL DESARROLLO DE LESION PULMONAR INDUCIDA POR VENTILACION MECANICA EN PACIENTE NEONATAL Y PEDIATRICO.

PREP2023-001625, **AGENCIA ESTATAL DE INVESTIGACION**, Ferrón-Vivó, María; Rupérez Moreno, María José; Martinez-Millana, Antonio, 01/12/2024-31/12/2028

■ DESARROLLO DE UN SISTEMA DE SOPORTE A LA DECISION CLINICA BASADO EN MODELOS DE MACHINE LEARNING Y DEEP LEARNING ENFOCADOS EN LA MEDICINA PERSONALIZADA EN PACIENTES CON GLIOMAS DE ALTO GR

FPU23/02431, **MINISTERIO DE CIENCIA E INNOVACION**, Fuster García, Elíes; Gómez-Mahiques, María, 16/01/2025-15/01/2029

■ DESARROLLO DE UN SISTEMA DE ANALISIS DE IMAGENES DE RESONANCIA MAGNETICA (RM) CEREBRAL DE ULTRA ALTA RESOLUCION

FPU23/01879, **MINISTERIO DE CIENCIA E INNOVACION**, Morell-Ortega, Sergio; Manjón Herrera, José Vicente, 16/01/2025-15/01/2029

■ DESARROLLO DE MODELOS LONGITUDINALES DE SEGMENTACIÓN AUTOMÁTICA DE GLIOMAS E INTEGRACIÓN EN ANOTADORES SEMÁNTICOS DE IMAGEN MÉDICA

CIACIF/2024/531, **GENERALITAT VALENCIANA**, Gil-Terrón-Rodríguez, Francisco Javier; Garcia-Gomez, Juan M, 24/11/2025-28/02/2029

■ DESARROLLO DE MODELOS LONGITUDINALES DE SEGMENTACIÓN AUTOMÁTICA DE GLIOMAS E INTEGRACIÓN EN ANOTADORES SEMÁNTICOS DE IMAGEN MÉDICA

PAID-01-24, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Garcia-Gomez, Juan M; Gil-Terrón-Rodríguez, Francisco Javier, 01/03/2025-28/02/2029

■ ESTUDIO DE LA INTERACCIÓN MICROONDAS CON MATERIALES IÓNICOS DE ESTADO SÓLIDO (SSIM) PARA APLICACIONES ENERGÉTICAS

PAID-10-22, **UNIVERSIDAD POLITECNICA DE VALENCIA**, Catalá Civera, José Manuel; Gutiérrez Cano, José Daniel, 01/03/2023-28/02/2029

■ MULTI-FUNCTIONAL HYDROGELS FOR PROMOTING BONE FRACTURE HEALING THROUGH LOCAL INDUCED RELEASE OF PHARMACEUTICAL AGENTS AND GRADUAL MATRIX REPLACEMENT BY THE REGENERATING BONE

101178398, *COMISION DE LAS COMUNIDADES EUROPEA*, Sánchez-García, Daniel; Ferri-Borredà, Pablo; Durá-Hernández, Marta; Sánchez-García, Ángel; Asensio-Cuesta, Sabina; Garcia-Gomez, Juan M, 01/06/2025-31/05/2029

■ IMAGEN ELECTROCARDIOGRAFICA DE PRECISION. MAPEO MAS ALLA DEL EPICARDIO (EPICA+)

PREP2023-001906, *AGENCIA ESTATAL DE INVESTIGACION*, Guillem Sánchez, María Salud; Andreu M. Climent, 01/12/2024-31/05/2029

■ HIGH-RESOLUTION CARDIAC MAPPING FOR THE CHARACTERIZATION OF ARRHYTHMOGENIC SUBSTRATES: IDENTIFYING FUNCTIONAL REGIONS IN COMPLEX ARRHYTHMIAS

PAID-01-22, *UNIVERSIDAD POLITECNICA DE VALENCIA*, Chandrasekaran, Deepthi Priya; Millet Roig, José, 01/09/2025-31/08/2029

■ EVALUACIÓN DE LA EFICIENCIA ENERGÉTICA EN PROCESOS DE ELECTRIFICACIÓN CON TECNOLOGÍA MICROONDAS

PAID-10-23, *UNIVERSIDAD POLITECNICA DE VALENCIA*, Penaranda-Foix, Felipe L.; Sánchez-Marín, Juan Rafael, 01/03/2024-28/02/2030

■ LICENCIA DE KNOWHOW K-018-2020

CROCODELINE SOFTWARE DEVELOPMENT, S.L., Lemus Zúñiga, Lenin Guillermo, 02/12/2020-02/12/2030

■ US61/535,720

THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING, Manjón Herrera, José Vicente, 12/12/2017-12/09/2032

■ LICENCIA PATENTES

CORIFY CARE SL, Guillem Sánchez, María Salud; Andreu M. Climent, 04/04/2019-30/10/2034

“
From scientific discovery to societal transformation: connecting research, innovation and technology transfer to create lasting value.



03. DISSEMINATION

NEWS

 **66**
News published



■ IDENTIFYING PATTERNS IN CHRONIC DISEASES

Carlos Fernández Llatas, researcher from the SABIEN group, has participated in a study published in the journal Scientific Reports of the Nature group

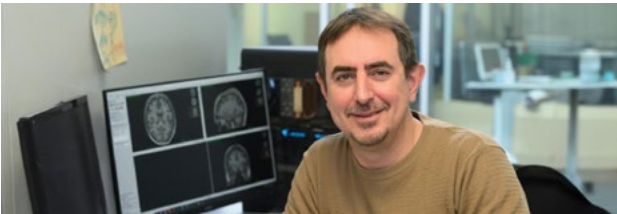
07 January 2025



■ PREDICTION AND ISSUANCE OF HEALTH ALERTS DURING HIGH AIR POLLUTION EPISODES

The ITACA Institute coordinates the PREDATICS project that will develop a digital system based on data from satellites, ground stations and predictive modelling using AI and remote sensing.

09 January 2025



■ STANFORD RANKING

José Vicente Manjón, ITACA-UPV researcher, has been included among the top 2% most influential scientists in the world.

14 January 2025



■ KNOWLEDGE TRANSFER AWARD

José Manuel Catalá and Beatriz García, from the DIMAS Group, in collaboration with Jose M. Serra from ITQ-CSIC, have been recognized with an award in the category of 'Engineering and Technology' during the third edition of the 'UPV Research Awards'

16 January 2025



■ TO IMPROVE PRIMARY CARE

A study by the ITACA-UPV and UV highlights the potential of telehealth and underlines the need to improve the training and digital literacy of patients and professionals.

21 January 2025



■ COMMITMENT TO INNOVATION AND EXCELLENCE

In 2024, ITACA researchers participated in over 130 projects, approximately 50% of which were developed in collaboration with private entities.

30 January 2025



THE CHALLENGES OF CLIMATE CHANGE AND POLLUTION

ITACA researchers are leading a study, part of the ClimaTIC scientific collection, which analyses traffic and pollution in the Valencian Community.

05 February 2025



INTERNATIONAL DAY OF WOMEN AND GIRLS IN SCIENCE

Breaking barriers in cardiac research: Celebrating “Women in Science”

11 February 2025



MARÍA GUILLEM, NEW DIRECTOR OF THE ITACA INSTITUTE

She will be joined on the management team by Antonio Martínez Millana as deputy director and David de Andrés Martínez as administration manager

13 February 2025



A PROJECT TO MEASURE THE REAL-TIME SPEED OF ELECTRIC SCOOTERS AND BICYCLES IN VALENCIA

The ARGOS project, led by Antonio Martínez Millana and funded by Valencia Innovation Capital, aims to develop a pre-commercial solution based on technology patented by the Universitat Politècnica de València (UPV).

19 February 2025



MARÍA GUILLEM PRESENTS HER RESEARCH ON CARDIAC ARRHYTHMIA

The Gordon Research Conference, held in Lucca (Italy), brought together leaders in cardiac electrophysiology to discuss scientific and clinical advances

28 February 2025



FEWER LANES, FEWER EMISSIONS

The widening of lanes on Colón Street is once again increasing polluting emissions.

03 March 2025



SYNERGIES BETWEEN IOT TECHNOLOGIES AND KNOWLEDGE IN PREVENTIVE CONSERVATION

The WiMOSA project reinforces the preventive conservation of the artistic heritage of the Royal Monastery of Santa María de El Paular in Madrid.

20 March 2025



DEEPCERES

ITACA-UPV and French CNRS researchers develop the world’s most advanced software to study the cerebellum

24 March 2025



ARTIFICIAL INTELLIGENCE TO PREDICT AIR POLLUTION AND REDUCE RESPIRATORY DISEASES

PREDATICS project, coordinated by ITACA, is funded by Ivace+i Innovación through the FEDER Comunitat Valenciana 2021-2027 Programme

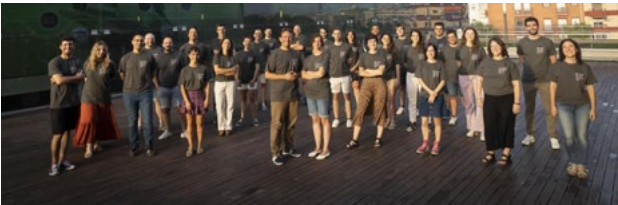
27 March 2025



WHAT ´S THE POTENTIAL OF ARTIFICIAL INTELLIGENCE TO ENHANCE DIABETES MANAGEMENT AND TREATMENT IN PRIMARY CARE?

Antonio Martínez, Deputy Director of ITACA-UPV and researcher from the ITACA-SABIEN group, concluded the 12th National Diabetes Conference of SEMERGEN, held on 14 and 15 March in Murcia.

28 March 2025



■ DIGITAL TWIN OF THE HEART

Developed by the COR-ITACA group, it helps to improve the diagnosis and treatment of cardiac arrhythmias.

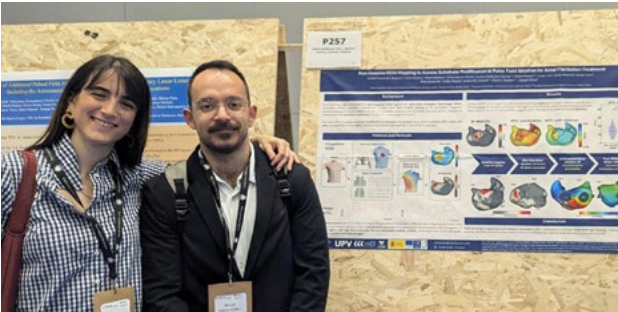
01 April 2025



■ EXCELLENT RESEARCH

The SAVE-COR and iRaise projects, awarded by the EIT Health Spain Foundation for their impact on innovation and health education

04 April 2025



■ THE POTENTIAL OF ECGI TECHNOLOGY AT EHRA CONGRESS 2025

ITACA COR researchers presented this technology that enables non-invasive visualization of the heart's electrical activity, eliminating the need for catheter insertion or complex invasive procedures.

08 April 2025



■ MARÍA GUILLEM TAKES OFFICE AS THE NEW DIRECTOR OF ITACA

The institutional ceremony was held on 7 April in the Paraninfo of the UPV.

10 April 2025



■ SNA-ITACA RESEARCHERS HIGHLIGHT AT ICNS 2025 CONFERENCE

Sandra Amarillo and Álex Sanchis Marín received "Best Paper" awards in their respective technical sessions, in recognition of the scientific quality and innovation of their proposals

15 April 2025



■ ITACA AT EUROPEAN DEPENDABLE COMPUTING CONFERENCE

Researchers from the Fault-Tolerant Systems Group participated in the last congress, where Luis José Saiz was awarded one of the three "Distinguished Poster Awards"

22 April 2025



■ STUDY ON THE VULNERABILITY AND ANXIETY IN ELDERLY CANCER PATIENTS

The research, conducted by the SABIEN-ITACA group, confirms that irregular sleep patterns are associated with an increased risk of anxiety and depression, and that low physical activity correlates directly with functional impairment.

29 April 2025



■ ENNOVA HEALTH AWARDS 2024

The project "Interactive Dashboards for Diabetes Management", where ITACA-SABIEN participated, was recognised with the award in the "Big Data and Artificial Intelligence" category for its innovation in diabetes care through data analysis and unsupervised learning.

08 May 2025



■ HEART RHYTHM SOCIETY CONGRESS 2025

COR-ITACA group contributed to 10 scientific presentations at the HRS 2025 in San Diego (USA), held from 24 to 27 April, one of the world's leading events in cardiac electrophysiology.

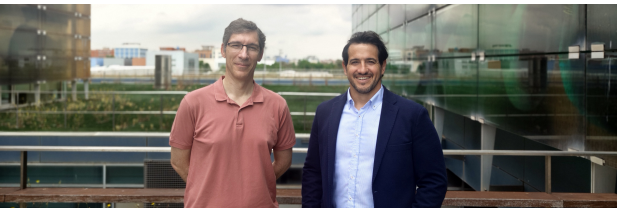
12 May 2025



■ ITACA WIICT-2025

This edition, which will be held on July 10, has a submission deadline of June 15 for articles and posters.

19 May 2025



■ "FACILITATING RESEARCH WORK AND IMPROVING STAFF STABILITY ARE OUR PRIORITIES"

Interview with Antonio Martínez, new Deputy Director for Research, and David de Andrés, new Administration Manager.

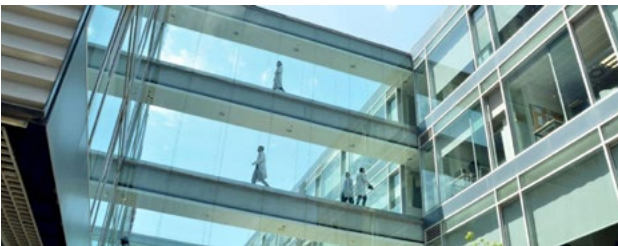
21 May 2025



■ SNA-ITACA GROUP HOSTS EUROCAE PLENARY MEETING

Juan Vicente Balbastre coordinates the working subgroup WG-105 SG-3, focused on drone traffic management systems. EUROCAE is the leading European organisation dedicated to the standardisation of aeronautical systems.

26 May 2025



■ GEOTHERMAL ENERGY IS A SOLUTION FOR DECARBONISING THE SECTOR

ITACA researchers have developed an innovative system that improves the efficiency of geothermal heat exchangers

02 June 2025



■ THE GEO-RIN CONFERENCE ADDRESSES THE FUTURE OF GEOTHERMAL ENERGY IN SPAIN

Javier Urchueguía delivered the keynote lecture and moderated one of the discussion panels, while Borja Badenes was part of the organizing committee and presented the research group's progress in the European project GeoBOOST.

13 June 2025



■ THE COR GROUP ACTIVELY PARTICIPATES IN THE ECGI SUMMIT 2025 IN KRAKOW

María Guillem co-organised a key session in the scientific programme and three researchers from the ITACA Institute presented cutting-edge advances in the diagnosis and treatment of cardiac diseases.

16 June 2025



■ ITACA INSTITUTE CELEBRATES WIICT 2025: A DAY TO DISCOVER HOW TECHNOLOGY IS TRANSFORMING OUR SOCIETY

The event will take place on Thursday, 10 July, and will feature talks by Carmina G. Almudéver and Jordi Linares, leading experts in quantum computing architectures and artificial intelligence, respectively.

25 June 2025



■ THE EUROPEAN INFORMA FORESTS MOVES TOWARDS FOREST MANAGEMENT ADAPTED TO CLIMATE CHANGE

The project, coordinated by the ICTs against Climate Change Research Group at the ITACA Institute, seeks to provide scientific and technological tools to improve forestry practices in the context of a changing climate.

30 June 2025



■ ITACA-UPV RESEARCHERS RECEIVE “BEST PAPER AWARD” AT THE “PROCESS MINING IN HEALTHCARE” CONFERENCE

The research was developed by Carlos Fernández, Gema Ibáñez and Zoe Valero, SABIEN group, in collaboration with researchers at the Gemelli Hospital in Rome

01 July 2025



■ ITACA RESEARCHERS DEVELOP A PIONEERING RADAR ANTENNA TO PREVENT COLLISIONS BETWEEN DRONES

The work of Javier Ruiz Alapont and Juan Vicente Balbastre (SNA-ITACA), together with Miguel Ferrando-Bataller (ITEAM), has been published in the scientific journal Applied Sciences.

03 July 2025



■ THE “FAULT TOLERANT SYSTEMS” GROUP PRESENTS ITS ADVANCES AT THE SARTECO CONFERENCE

Researchers Joaquín Gracia Morán, Luis-J. Saiz Adalid and Juan Carlos Ruiz delivered several oral presentations on the development of more reliable, robust and adaptable neural networks for critical environments.

08 July 2025



■ ITACA HOSTS THE 12TH EDITION OF WIICT, HIGHLIGHTING ITS LEADERSHIP IN APPLIED RESEARCH AND KNOWLEDGE TRANSFER

ITACA is currently the leading center at UPV in terms of collaborative projects with private companies.

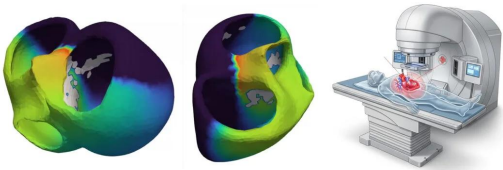
11 July 2025



ITACA-UPV AND CSIC RESEARCHERS DEVELOP A SYSTEM TO ACCURATELY MEASURE TRAFFIC EMISSIONS IN CITIES

The research indicates that the most polluted areas are the northern (Avinguda de Catalunya, Avinguda dels Germans Machado) and western (Avinguda del Cid, entrance via Tres Forques) access points to the city.

14 July 2025



COR-ITACA IMPROVES THE NON-INVASIVE CARDIAC THERAPIES WITH AI AND ADVANCED IMAGING

The Proton-ECGI project has been led by Dr. Andreu Climent and it consolidates a new line of research within the COR group, focused on the intersection of cardiac electrophysiology, non-invasive imaging, and radiotherapy technologies

16 July 2025



PALLIATIVE CARE FOR PATIENTS

A study, with the participation of researchers from ITACA, highlights the potential of process mining to improve care protocols

21 July 2025



ELENA DOALLO, AWARD FOR BEST POSTER AT THE LATEST EDITION OF WIICT

The award recognized her work on the development of DIGICOR, an interactive platform to improve personalized ablation planning for patients with Atrial Fibrillation (AF), one of the most common and complex cardiac arrhythmias.

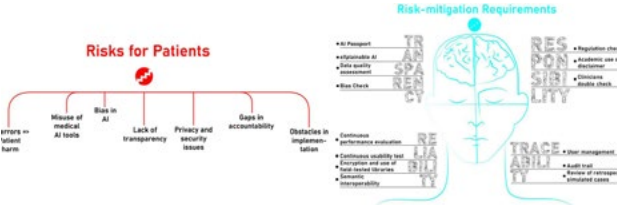
23 July 2025



NEW TRAFFIC ALERT SYSTEM BASED ON ARTIFICIAL INTELLIGENCE TO ANTICIPATE HIGH POLLUTION EPISODES IN VALENCIA

The alert system developed by ITACA-UPV and CSIC provides 30 minutes' notice if a street segment is expected to experience heavy traffic.

01 September 2025



ARTIFICIAL INTELLIGENCE IN HEALTHCARE

BDSLlab researchers lead an international study to minimise the risks that AI-based clinical solutions may pose to patients

08 September 2025



A STUDY LED BY ITACA RESEARCHERS HELPS IMPROVE THE INTERPRETATION OF CLINICAL DATA AND PATIENT CARE

Carlos Fernández-Llatas, a researcher at SABIEN-ITACA, is leading this study, which was validated through a use case focused on the treatment of prostate cancer patients.

15 September 2025



FREE ONLINE COURSE ON GEOTHERMAL ENERGY

The course, offered through the edX.org platform over six weeks, covers the key concepts of geothermal energy and features contributions from international experts in each module.

18 September 2025



SAFER AIR TRAFFIC

SNA-ITACA researchers lead a European project to enhance aviation safety using satellites.

24 September 2025



JOSÉ MANUEL CATALÁ, ITACA-UPV RESEARCHER, AWARDED THE AMPERE MEDAL 2025

This distinction recognises the scientific excellence, innovation, and knowledge transfer demonstrated by the UPV researcher throughout his career.

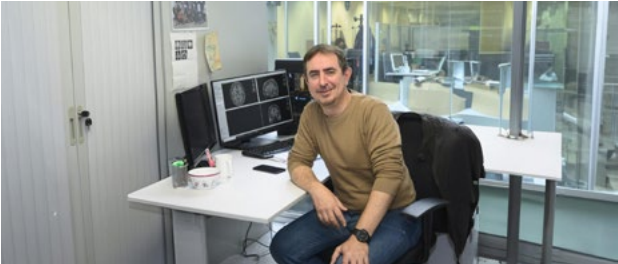
25 September 2025



WORLD HEART DAY

Researchers from the COR-ITACA group have developed a new technique that improves the diagnosis of cardiac arrhythmias and reduces detection errors by up to 80%.

29 September 2025



■ STANFORD RANKING

José Vicente Manjón, ITACA-UPV researcher, has been included for the sixth consecutive year in the prestigious Ranking

13 October 2025



■ ITACA RESEARCHERS RECEIVE THE BEST PAPER AWARD AT AN INTERNATIONAL CONFERENCE ON PROCESS MINING IN HEALTHCARE

The study was developed by Carlos Fernández-Llatas and Alejandro Gómez-Noé (SABIEN-ITACA), in collaboration with Begoña Martínez-Salvador and Mar Marcos from the Universitat Jaume I.

21 October 2025



■ AIR QUALITY REPORT FOR THE CITY OF VALÈNCIA

The report, based on passive dosimetry campaigns of NO₂ carried out between 2023 and 2025, highlights the need to strengthen prevention and emission control policies, particularly those linked to urban traffic. The study identifies a direct relationship between road traffic and NO₂ concentrations.

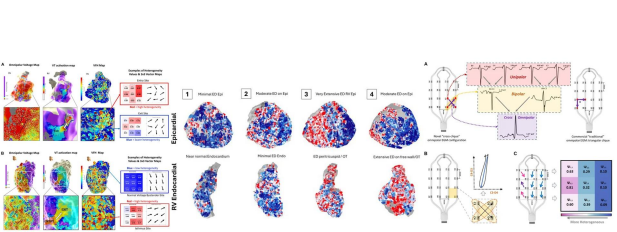
22 October 2025



■ COR-ITACA PRESENTS ITS LATEST ADVANCES IN THE DIAGNOSIS AND TREATMENT OF CARDIAC ARRHYTHMIAS AT INTERNATIONAL FORUMS

The group showcases innovative solutions based on artificial intelligence and bioelectromagnetism in Brazil and Brussels to advance the detection and treatment of cardiac arrhythmias.

29 October 2025



■ NEW RESEARCH TO DETECT HIDDEN HEART PROBLEMS AND IMPROVE THEIR LOCALISATION

The technique, developed by EP Analytics Lab, has demonstrated its ability to detect electrical abnormalities that go unnoticed with conventional methods.

03 November 2025



■ 4TH UPV RESEARCH AWARDS

María Guillem received the Knowledge Transfer Award for the impact of ACORYS, the non-invasive cardiac mapping technology. Eduardo Rojas, ICT vs CC group, received a special mention for his scientific work on DANA.

05 November 2025



■ CONFERENCE ON GEOTHERMAL ENERGY AND SUSTAINABLE BUILDINGS

The event will take place on 4 December, from 9 a.m. to 2.30 p.m., at the UPV.

06 November 2025



■ BDSLAB GROUP, AWARDED FOR DEVELOPING TOOLS TO SUPPORT BRAIN TUMOUR TREATMENT PLANNING

The work, presented by María Gómez, has been recognised with the Best Oral Presentation Award at the XVII Symposium of the Grupo Español de Investigación en Neurooncología (GEINO).

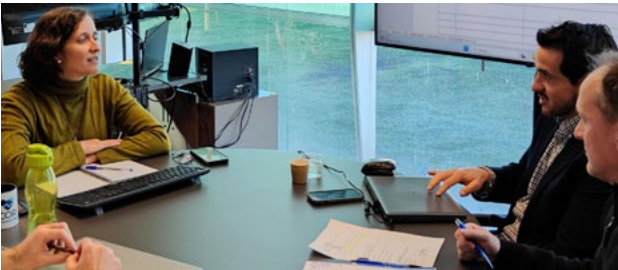
12 November 2025



■ LALABY-LUNG

Lalaby-Lung, an app developed by BDSLab-ITACA, lead by Sabina Asensio, helps monitor in real time the quality of life of people with lung cancer

17 November 2025



■ ITACA FORWARD: COMMITMENT TO INNOVATION AND TECHNOLOGY TRANSFER

ITACA has obtained funding to consolidate “ITACA Forward,” a new Scientific Business Innovation Unit designed to promote synergies between science and business.

19 November 2025



■ DOCTORAL THESIS DEFENSE ACT

Defense made by Clara Herrero Martín
01 December 2025



■ NEW TOOL TO IMPROVE THE HEALTH OF HOMELESSNESS PEOPLE

The model based on artificial intelligence has been created by the BDSLab-ITACA group. It predicts how factors such as quality of life or access to healthcare influence healthcare, helping to design more effective cancer prevention strategies.

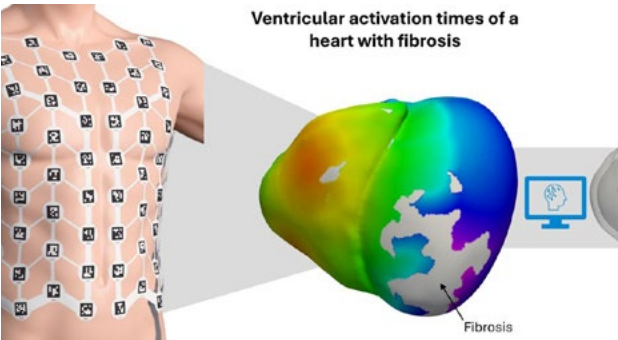
24 November 2025



■ ITACA RESEARCHERS ADRESS THE CHALLENGES OF THE FORESTRY SECTOR

The session, entitled “Lessons Learned from Wildfires”, was moderated by José Vicente Oliver, ITACA researcher and coordinator of the Horizon Europe INFORMA project, and featured the participation of Eduardo Rojas.

04 December 2025



■ NEW NON-INVASIVE TECHNOLOGY TO IMPROVE CARDIAC CARE

In the EFICACIA project, led by Dr María S. Guillem from the COR group at ITACA, has been developed a non-invasive tool capable of estimating whether a patient’s heart shows signs of fibrosis (damaged tissue) or abnormal electrical activity

25 November 2025



■ THE POTENTIAL OF GEOTHERMAL ENERGY IN MUNICIPAL ENERGY PLANNING

The UPV brought together representatives from European institutions, local administrations, companies and research staff to discuss how geothermal energy can support the transition towards more efficient and climate-neutral cities.

12 December 2025



■ PIONEERING TECHNOLOGY TO ANALYSE AIR POLLUTION IN VALÈNCIA WITHOUT MONITORING STATIONS

The PREDATICS project, now in its second year, will soon launch a public consultation website featuring an interactive viewer, with future updates including high-resolution pollution maps and forecasts

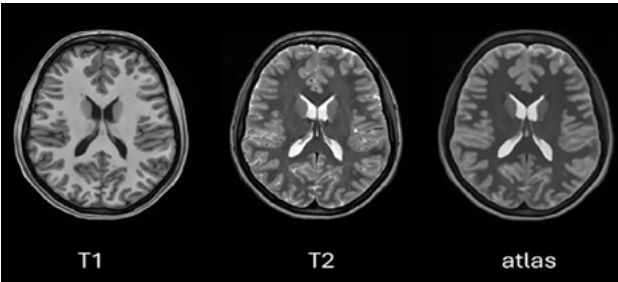
28 November 2025



■ EDUARDO ROJAS, NEW CHAIR OF THE CIHEAM ADVISORY BOARD

The ICT VS CC group researcher succeeds Chadi Abdallah, research director at the Lebanese National Council for Scientific Research and the Remote Sensing Centre.

16 December 2025



■ A NEW AI METHOD ENHANCES RADIOLOGICAL IMAGING FOR NEUROLOGICAL DISEASES

Led by researchers from MIA LAB-ITACA, this new method will enable brain MRI scans to be carried out more easily, more quickly and with higher quality.

30 November 2025



WIICT 2025: We research at ITACA, we transform the world



90

Participants

8

Research
groups
represented

9

Posters
in the
competition

Science that inspires, technology that transforms



The Workshop on Innovation in Information and Communication Technologies (WIICT 2025) was one of the main meeting points for the ITACA Institute

during the year, bringing together researchers, technical staff, students, and collaborators to share knowledge, strengthen relationships between groups, and reflect on the impact that the institute's research has on society.

Held on **July 10, 2025**, the event brought together 90 participants under the slogan **"We research at ITACA, we transform the world"**, an invitation to recognise the value of the institute's internal talent and its contribution to the major social, technological, and environmental challenges of our time. The day was opened by Salvador Coll Arnau, Vice-Rector for Innovation and Transfer at the Universitat Politècnica de València, who highlighted the role of university institutes as drivers of knowledge generation and transfer to society.

Key Sessions and Highlights



As the opening keynote, Professor Carmina G. Almudéver, a national benchmark in quantum computing and co-founder of QSpain, delivered the lecture *"A Systematic View of Quantum Computing,"* introducing attendees to the opportunities and challenges this technology presents for the coming years.

One of the central moments of the event was the **"Results from ITACA"** session, conceived as a space for internal visibility where eight of the institute's research groups shared some of their most relevant initiatives and success stories. Representatives from ITACA research groups participated, covering areas as diverse as:

- Artificial intelligence applied to health
- Digital health
- Microwaves and electromagnetic sensors
- Air navigation systems and drones
- Advanced biomedical signal analysis
- Neuroimaging
- Non-invasive electrocardiography
- Data science applied to real-world problems

The scientific session was complemented by a **poster competition**, in which nine research works presented by the institute's researchers competed for the award for best scientific work. The selected authors also participated in the **"Golden Minute"** activity, where they had a short time slot to present and defend the value of their research to all attendees.

The event concluded with the lecture *"The AI that Transforms the World,"* given by Jordi Linares, a leading researcher in artificial intelligence, human-computer interaction, and immersive technologies. He reflected on the role of artificial intelligence as a transformative technology in fields as diverse as healthcare, education, industry, and public services.

Beyond the scientific activity, WIICT 2025 reaffirmed its role as a gathering space for the ITACA community, fostering collaboration between groups, the exchange of ideas, and a sense of belonging to an organisation that works to turn research into solutions with a real impact.

WIICT 2025 once again demonstrated that the knowledge generated at ITACA transcends laboratories and research projects, becoming a driver of innovation capable of contributing to digital transformation, sustainability, and the well-being of society.





PEOPLE



120

Members of ITACA

- Alós Maldonado, Raúl
 - Amarillo Vañó, Sandra
 - Andrés Martínez, David De
 - Armengot Carbó, Bruno
 - Asensio Cuesta, Sabina
 - Bacete Barchín, Lucía
 - Badenes Badenes, Borja
- Balbastre Tejedor, Juan Vicente
 - Baraza Calvo, Juan Carlos
 - Bayo Montón, José Luis
 - Blanes Selva, Vicent
 - Blasco Calafat, Antonio
 - Bonastre Pina, Alberto Miguel
 - Busquets Mataix, José Vicente

- Campelo Rivadulla, José Carlos
 - Canós Marín, Antoni Josep
 - Capella Hernández, Juan Vicente
 - Cardona Cubells, María José
 - Carrasco Villegas, Arancha
 - Castells Ramón, Francisco Sales
 - Catalá Civera, José Manuel
 - Cebrián Ferriols, Antonio José
 - Chillarón Martínez, Amparo
 - Coll Aliaga, Peregrina Eloína
 - Correas García, María
 - Cortés Serrano, Cristina
 - Dahoui Obon, José Mariano
 - Dema Pérez, Carlos Manuel
 - Doñate Martínez, Ascensión
 - Durá Hernández, Marta
 - Esparza Becerra, Silvia Rocío
 - Esteve Navarro, Marta
 - Fambuena Santos, Carlos
 - Fernández Llatas, Carlos
 - Fernández Narro, David
 - Ferri Borredà, Pablo
 - Fides Valero, Álvaro
 - Fuente Herraiz, David
 - Fuster i Garcia, Elies
 - Gallego Baladé, Miguel Angel
 - García Baños, Beatriz
 - García Gómez, Juan Miguel
 - García Montaner, Andrea
 - García Santos, Kevin
 - Gil-Terrón Rodríguez, Francisco Javier
- Gil Tomás, Daniel Antonio
 - Gil Vicente, Pedro Joaquín
 - Gómez Mahiques, María
 - Gómez Noé, Alejandro
 - Gomis Gómez, Óscar
 - Gonzalez Cebrian, Angela
 - González Sanchis, María del Carmen
 - Gracia Morán, Joaquín
 - Guill Ibáñez, Antonio
 - Guillem Sánchez, María De La Salud
 - Gutiérrez Cano, José Daniel
 - Herrero Martín, Clara
 - Ibañez Sánchez, Gema
 - Italiano, Raffaele
 - Javadi, Hossein
 - Lemus Zúñiga, Lenin Guillermo
 - Lerma Arce, Victoria
 - Llorente Lipe, Inés
 - López Mateu, Carlos
 - Lorenzo Sáez, Edgar
 - Lucas Salido, Gemma
 - Macarulla Rodríguez, María
 - Magraner Benedicto, María Teresa
 - Maigualema Quimbita, Denis Andrés
 - Manjón Herrera, José Vicente
 - Marco Chueca, Aroa Pilar
 - Martí Campoy, Antonio
 - Martín Carmona, Antonio
 - Martínez Climent, Batiste Andreu
 - Martínez Llario, José Carlos
 - Martínez Millana, Antonio



- Martínez Ponce, Álvaro
- Mateo Pla, Miguel Ángel
- Mercado Romero, Ricardo
- Millet Roig, José
- Miró Sanz, Adrián
- Monllor Parres, Raquel
- Montosa Micó, Víctor
- Monzonís Melero, Víctor
- Morell Ortega, Sergio
- Moreno López, Raúl
- Oliver Villanueva, José Vicente
- Ors Carot, Rafael
- Peñaranda Foix, Felipe Laureano
- Pérez Sánchez, José Antonio
- Perles Ivars, Ángel Francisco
- Plaza González, Pedro José
- Ramírez Candela, Elisa
- Rodríguez Ballester, Francisco
- Rojas Briaes, Eduardo
- Ros Cuitavi, Aránzazu
- Rubio Moreno, Alicia
- Ruiz García, Juan Carlos
- Sáez Martínez, Pedro
- Sáez Silvestre, Carlos
- Saiz Adalid, Luis José
- Saiz Mauleón, María Begoña
- Sala Soriano, Mª Pilar
- Sánchez García, Ángel
- Sánchez García, Daniel
- Sánchez Marín, Juan Rafael
- Sanchis Marín, Álex
- Segura Segura, María

“
120 minds, diverse disciplines and a shared commitment to transforming knowledge into solutions for society

- Strazzeri Muñiz, Sabrina
- Tedesco, Alfonso
- Tormos Ferrando, Álvaro
- Traver Salcedo, Manuel
- Traver Salcedo, Vicente
- Turégano Pastor, José Vicente
- Urchueguía Schölzel, Javier Fermín
- Valero Ramon, Zoe
- Van Den Berg Sesma, Helena Carmen
- Vicente Jurado, Diana
- Yagüe Hurtado, Celia
- Yuste Pérez, Pedro





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