



INSTITUTE FOR
Sustainability Science
AND TECHNOLOGY



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

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1. PRESENTATION

The Research Institute for Sustainability and Technology of UPC – BarcelonaTech is the responsible unit for promoting, coordinating, and carrying out academic activities in the fields of sustainability science and sustainable technologies.

The Institute's mission is to generate technical and conceptual tools to create a more sustainable production and development model and to collaborate in the UPC's endeavor to provide scientific and technical support for human, social, cultural, and economic progress.

The ISST is active in higher education, research and innovation, technology transfer and promotion of sustainable culture.

Its main objectives are as follows:

- Opening sustainability research to UPC groups and researchers, by coordinating and promoting multi and trans-disciplinary research projects.
- Organizing and promoting specific postgraduate courses and degrees (Master's degrees, PhD programmes and other specialized teaching activities) directly linked with the UPC research in the fields of sustainability science and sustainable technologies, as well as embedding sustainability in other UPC educational programmes.
- Disseminating the results of the research carried out at the ISST, both to the university community and to the society as a whole and sparking discussion about it.
- Encouraging the commitment and interaction of the UPC within society and encouraging UPC's support of civic demands for promoting progress towards more sustainable development models.

Letter from the Director

The Institute for Sustainability Science and Technology (ISST.UPC) is a catalyst for excellent interdisciplinary and transdisciplinary research across Universitat Politècnica de Catalunya that is working for global sustainability.

Today, our institute assembles more than 200 professionals, including staff scientists, postdocs, PhD students, technicians, general research support staff and administrators, devoted to the well-functioning of ISST.UPC.

This Annual Report covers the activities of ISST.UPC of the academic year 2022-2023. During this period, main efforts have focused on consolidating an interdisciplinary academic space within the UPC community to face the challenges of sustainable human development through science progress and technology innovation. The integration of economic, environmental, and social aspects of technology, architecture, and engineering, as well as the reference points of closing of cycles and systemic thinking, are some of the distinctive characteristics of the Institute research focus. Academic excellence, strategic international and local networking, and a trans-disciplinary approach to knowledge creation and dissemination are other key characteristics of the Institute.

The ISST.UPC has its own Master degree in Sustainability Science and Technology (2 years – 120 ECTS) and the PhD programme in Sustainability (89 PhD students).

Finally, I would like to highlight the national and international recognition that our institute is achieving in sustainability science, with many of the research groups that constitute an outstanding international reference in their areas of expertise.

I would like to express my profound gratitude to the whole of the ISST.UPC personnel, at every professional level for their dedication, motivation, and enthusiasm!

Elisabet Roca, directora

2. ORGANIZATION STRUCTURE

2.1 ORGANIZATION CHART



2.2 INSTITUTE BODIES

Single-member bodies

ROCA BOSCH, ELISABET

Director

VILLARES JUNYENT, MÍRIAM

Secretary

ALCARAZ SENDRA, OLGA

Deputy Director

2.3 COLLEGIATE BODIES OF GOVERNMENT AND REPRESENTATION

Institute Board

ROCA BOSCH, ELISABET	<i>Director</i>
VILLARES JUNYENT, MÍRIAM	<i>Secretary</i>
ALCARAZ SENDRA, OLGA	<i>Deputy Director</i>
ÀLVAR GAROLA CRESPO	<i>International mobility and double degrees</i>
SUREDA CARBONELL, BÁRBARA	<i>Master's final Thesis</i>
ROSAS CASALS, MARTÍ	<i>Quality and action plan tutorial</i>
GAROLA CRESPO, ÀLVAR	<i>Collaboration agreements</i>
ALVAREZ DEL CASTILLO, JAVIER	<i>Associated research staff</i>
CLIMENT VILARO, JUAN	<i>Associated research staff</i>
CUCHI BURGOS, ALBERTO	<i>Associated research staff</i>
GIBERT OLIVERAS, KARINA	<i>Associated research staff</i>
MARGINYA TORNER, FRANCESC	<i>Associated research staff</i>
MARTIN ESCOFET, CARME	<i>Associated research staff</i>
MORATO FARRERAS, JORDI	<i>Associated research staff</i>
DE PABLO RIBAS, JOAN	<i>Associated research staff</i>
RIBA ROMEVA, CARLES	<i>Associated research staff</i>
CLARET ROCA ROSELL, ANTONI-MARIA	<i>Associated research staff</i>
SANCHEZ CARRACEDO, FERMIN	<i>Associated research staff</i>
TRULLOLS FARRENY, ENRIC	<i>Associated research staff</i>
VIDAL LOPEZ, EVA	<i>Associated research staff</i>
LAZZARINI, BORIS	<i>Research support staff</i>
TEJEDOR PAPELL, GEMMA	<i>Research support staff</i>
CIFUENTES, MARISON	<i>Research support staff</i>

Institute Council

ROCA BOSCH, ELISABET	<i>Director</i>
VILLARES JUNYENT, MÍRIAM	<i>Secretary</i>
ALCARAZ SENDRA, OLGA	<i>Deputy Director</i>
ÀLVAR GAROLA CRESPO	<i>International mobility and double degrees</i>
SUREDA CARBONELL, BÀRBARA	<i>Master's final Thesis</i>
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CUCHI BURGOS, ALBERTO	<i>Associated research staff</i>
GIBERT OLIVERAS, KARINA	<i>Associated research staff</i>
MARGINYA TORNER, FRANCESC	<i>Associated research staff</i>
MARTIN ESCOFET, CARMÉ	<i>Associated research staff</i>
MORATO FARRERAS, JORDI	<i>Associated research staff</i>
DE PABLO RIBAS, JOAN	<i>Associated research staff</i>
RIBA ROMEVA, CARLES	<i>Associated research staff</i>
CLARET ROCA ROSELL, ANTONI-MARIA	<i>Associated research staff</i>
SANCHEZ CARRACEDO, FERMIN	<i>Associated research staff</i>
TRULLOLS FARRENY, ENRIC	<i>Associated research staff</i>
VIDAL LOPEZ, EVA	<i>Associated research staff</i>
LAZZARINI, BORIS	<i>Research support staff</i>
TEJEDOR PAPELL, GEMMA	<i>Research support staff</i>
CIFUENTES, MARISON	<i>Research support staff</i>
ASUA BERASALUCE, JOANA	<i>Scholarship INIREC</i>
GARCIA GALOFRE, VICTOR	<i>Scholarship INIREC</i>
OLIVER MARÍN, ANDREA	<i>Scholarship for apprenticeships</i>
BLASCO LADERO, PABLO	<i>Scholarship for apprenticeships</i>

2.4 COLLEGIATE BODIES FOR CONSULTATION

Academic Committee of the Master's in Sustainability Science and Technology

ALCARAZ SENDRA, OLGA	<i>Co-coordinator</i>
VILLARES JUNYENT, MÍRIAM	<i>Co-coordinator</i>
GAROLA CRESPO, ÀLVAR	<i>International mobility and double degrees</i>
ALCARAZ SANDRA, OLGA	<i>Master's final Thesis</i>
ROSAS CASALS, MARTÍ	<i>Quality and action plan tutorial</i>
GAROLA CRESPO, ÀLVAR	<i>University-Companies Collaboration Agreements/Employment opportunities</i>

Academic Committee of the PhD programme in Sustainability

GIL ROIG, JOSE MARÍA	<i>Coordinator</i>
ROSAS CASALS, MARTÍ	<i>Secretary</i>
DE LA FUENTE ANTEQUERA, ALBERT	
ROCA ROSELL, ANTONI	
VILLARES JUNYENT, MÍRIAM	

2.5 FACULTY AND STUDENTS' PARTICIPATION

2.5.1 MEMBERS OF THE INSTITUTE

Academic Staff

ROCA BOSCH, ELISABET
VILLARES JUNYENT, MÍRIAM
ALCARAZ SENDRA, OLGA
SUREDA CARBONELL, BÁRBARA
ROSAS CASALS, MARTÍ
GAROLA CRESPO, ÀLVAR
ALVAREZ DEL CASTILLO, JAVIER
CLIMENT VILARO, JUAN
CUCHI BURGOS, ALBERTO
GIBERT OLIVERAS, KARINA
MARGINYA TORNER, FRANCESC
MARTIN ESCOFET, CARMÉ
MORATO FARRERAS, JORDI
DE PABLO RIBAS, JOAN
RIBA ROMEVA, CARLES
CLARET ROCA ROSELL, ANTONI-MARIA
SANCHEZ CARRACEDO, FERMIN
TRULLOLS FARRENY, ENRIC
VIDAL LOPEZ, EVA

Support for Research Staff

LAZZARINI, BORIS
TEJEDOR PAPELL, GEMMA
CIFUENTES, MARISON

2.5.2 MASTER IN SUSTAINABILITY SCIENCE AND TECHNOLOGY

Faculty responsible for the organization and planning of master's subjects:

ALCARAZ SENDRA, OLGA	ROSAS CASALS, MARTÍ
ALIER FORMENT, MARC	SÀNCHEZ VILA, XAVIER
ANGERRI TORREDEFLOT, XAVIER	SANCHEZ-MARRÈ, MIQUEL
BAIRAN, JESUS	SEGALÀS CORAL, JORDI
BOSCH TOUS, RICARD	SUREDA CARBONELL, BÁRBARA
CARNICERO DEL RÍO, MARCOS	TEJEDOR, GEMMA
DE LA HOZ CASAS, JORDI	VIDAL LÓPEZ, EVA MARÍA
DE PABLO RIBAS, JOAN	VILLARES JUNYET, MÍRIAM
ETXEBERRIA LARRANAGA, MIREN	
FOLCH SANCHO, ALBERT	
GAROLA CRESPO, ÀLVAR	
GASSÓ DOMINGO, SANTIAGO	
GIBERT OLIVERAS, KARINA	
GIL ROIG, JOSE MARÍA	
GONÇALVES AGEITOS, MARÍA	
KALLAS, ZEIN	
LÓPEZ LÓPEZ, JOSÉ	
LÓPEZ GRIMAU, VÍCTOR	
MARGINYA TORNER, FRANCESC	
MARTÍN CAÑADAS, MARÍA HELENA	
MERCADÉ ALOY, JOSEP	
MORATÓ FARRERAS, JORDI	
PRADA, ALEX	
ROCA BOSCH, ELISABET	
RODRÍGUEZ ESCALES, PAULA	

DOCTORATE IN SUSTAINABILITY

UPC researchers responsible for the mentoring of doctoral theses:

AGUADO DE CEA, ANTONIO	MARTIN CAÑADAS, MARIA ELENA
ALCARAZ SENDRA, OLGA	MASPOCH RULDUJA, MARIA LUÏSA
ALIER FORMENT, MARC	MAYORGA CARDENAS, MIGUEL YURI
ALVAREZ DEL CASTILLO, JAVIER	MONGUET FIERRO, JOSEP MARÍA
ALVAREZ DEL CASTILLO, M. DOLORES	MONTSERRAT JORDA, JOSEP
ALIMANTE GARCIA, BEATRIZ	MORATO FARRERAS, JORDI
BAIRAN GARCIA, JESUS MIGUEL	NAVARRO MOLDES, LEANDRO
BARCELLO GARCIA, MIQUEL	OLMEDO TORRE, NOELIA
BOSCH TOUS, RICARD	ORTEGO MARTÍNEZ, MARIBEL
CADAFALCH RABASA, JORDI	PABLO RIBAS, JOAN DE
CARRILLO NAVARRETE, FERNANDO	PARDO BOSCH, FRANCESC
CONSUL SERRACANTA, RICARD	PEÑA CARRERA, MARTA
CREMANDES OLIVER, LÁZARO V.	PEREZ FOGUET, AGUSTÍ
CUCHI BURGOS, ALBERTO	PUJADAS ALVAREZ, PABLO
DARBRA ROMAN, ROSA MARÍA	QUERA MIRO, MANUEL
DE LA FUENTE ANTEQUERA, ALBERT	RAHMANI MEDDOUR, DJAMEL
DE LA HOZ CASAS, JORDI	RIBA ROMEVA, CARLES
DOMENECH LEGA, BRUNO	ROCA BOSCH, ELISABET
ESCRIBANO RODRIGUEZ DE ROBLES, BEATRIZ	ROCA ROSELL, ANTONI
FELIPE BLANCH, JOSE JUAN DE	RODRIGUEZ CANTALAPIEDRA, INMACULADA
FERRER MARTI, LAIA	ROSAS CASALS, MARTÍ
FONSECA CASAS, PAU	RUIZ MANSILLA, RAFAEL
FUERTES PEREZ, PERE	SABATER PRUNA, ASSUMPTA
GANGOLELLS SOLANELLAS, MARTA	SALAN BALLESTEROS, M. NÚRIA
GARCIA ALMIÑANA, JORDI	SEGALAS CORAL, JORDI
GARCIA CARRILLO, AGUEDA	TORRES LÓPEZ, ANTONIO LUIS

GARRIDO SORIANO, NURIA

GIL ROIG, JOSE MARÍA

HAURIE IBARRA, LAIA

KALLAS CALOT, ZEIN

LOPEZ ALBAREZ, DAVID

TRULLOLS FARRENY, ENRIC

VALDERRAMA ANGEL, CESAR ALBERTO

VELO GARCÍA, ENRIQUE

VIDAL LÓPEZ, EVA

VILLARES JUNYENT, MÍRIAM

2.5.3 STUDENTS

Number of students:

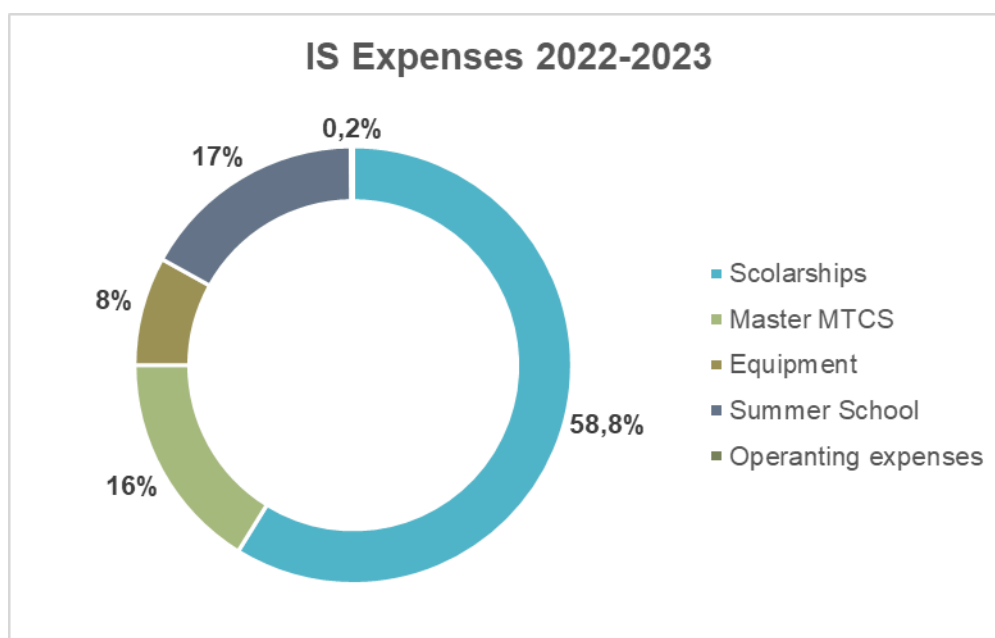
Academic year 2022 - 2023

Master in Sustainability Science and Technology	43
PhD in Sustainability	98

3. FINANCIAL INFORMATION

A description of IS.UPC internal operational account and its distribution for the course 2022 - 2023, related just to UPC financing, is summarized below.

	INCOME	EXPENSES
UPC	20.279,99 €	
Academic Unit	5.197,17 €	
Scholarships		14.863,20 €
Master MTCS		4.088,13 €
Equipment		2.035,55 €
Summer School		4.232,47 €
Operanting expenses		47,86 €
TOTAL	25.477,16 €	25.267,21 €



Section 4 'Research and Projects' details the external income related to ongoing projects, which has been used to carry on the respective projects.

RESEARCH AND PROJECTS

This section details research projects, agreements and collaborations undertaken by ISST.UPC researchers.

3.1 ONGOING PROJECTS

Participation in a competitive R&D project

Canvi Climàtic i equitat: mapeig de les emissions en funció del nivell de renda.

Scientific coordinator: Alcaraz, O.

Participants: Sureda, B.; Lazzarini, B.; Roca, E.; Cervantes, G.; Gemma Tejedor; Cunill-Solà, J.; Gibergans-Báguena, J.; Segalas, J.; Grau, M.D.; Sànchez-Marrè, M.; Villares, M.; Garrido, N.; Buenestado, P.; Busquets, P.; Garola, A..

Date: 01/06/2023-31/05/2024. **Duration:** 01.00.00.

Entity where it is developed: Universitat Politècnica de Catalunya.

Funding entities: Centre per a la Cooperació al Desenvolupament; <https://ccd.upc.edu/monccd/>

Arquitectura, Energia i Medi Ambient (AiEM).

Scientific coordinator: Coch, H.

Participants: Isalgue, A.; Crespo, I.; Cuchi, A.; Pages-Ramon, A.; Pardal, C.; Lopez-Besora, J.; Garcia-Nevaldo, E.; Salvati, A.; Roig, O.; Roca, M.; Alonso-Montolio, C.; Lopez, C..

Date: 01/01/2022-31/12/2024. **Duration:** 03.00.00.

Funding: 60000.0€.

Scope: Regional.

Entity where it is developed: TECNOLOGIA DE L'ARQUITECTURA.

Funding entities: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca

Integración de tecnologías de procesamiento para garantizar una cadena de valor de baterías segura, circular y sostenible a través de la minería urbana e industrial.

Scientific coordinator: Cortina, J.

Participants: Hoffmann, C.; Yaroshchuk, A.; Fernandez de Labastida, M.; Lopez, J.; Reig, M.; Vallès, V.; Leon, T.; Aguilar, M.; Farran, A.; Vinardell, S.; De Pablo, J.; Oliva, J.; Martí, V.; Darbra, R.M..

Date: 01/12/2022-30/11/2024. **Duration:** 02.00.00.

Funding: 299000.0€.

Scope: National.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION

Esfuerzo conjunto entre Biología y Tecnología para monitorear y recuperar especies y ecosistemas impactados por la pesca: plataformas.

Scientific coordinator: Del Rio, J.; Aguzzi, J.

Participants: Olive, J.; Trullols, E.; Massana, I.; Carbonell, M.; Antonijuan, J.; Miquel, J.; Prat, J.; Sitjar, R.; Bouvet, P.; Toma, D.M.; Marini, S.; Thomsen, L.; Nogueras, M.; Artero, C.; Carandell, M.; Batet, G.; Sarria, D..

Date: 01/09/2021-31/08/2025. **Duration:** 04.00.00.

Funding: 227480.0€.

Scope: National.

Entity where it is developed: SARTI - Technological Development Center for Remote Acquisition and Data Processing System.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

Grup de recerca en Ciència Intel·ligent de Dades i Intel·ligència Artificial.

Scientific coordinator: Gibert, Karina.

Participants: Ageno, A.; Cortes, U.; Sànchez-Marrè, M.; Vazquez-Salceda, J.; Martin, M.; Bejar, J.; Sangüesa, R.; Barrue, C.; Angerri Torredelot, Xavier; Domingo, J.; Solé-Pareta, J.; Careglio, D.; Cruellas, J.; Barlet, P.; Albert Cabellos-Aparicio; Perello, J.; Germán Santos-Boada; Romero, E.; Vellido, A.; Arratia, A.; Belanche, LI.; Delgado, J.; Nebot, A.; Mugica, F.; König, C.; Casas, J.; Marques, F.; Morros, J.R.; Oliveras, A.; Pardas, M.; Ruiz-Hidalgo, J.; Salembier, P.; Sayrol, E.; Vilaplana, V.; Turmo, J.; Padro, L.; Català Roig, N.; Escudero, G.; Farreres, J.; Gatiús, M.; Angulo, C.; Sanchez, M.; Ruiz, F.; Aguado, J. Carlos; Raya, C.; Hernando, J.; Nadeu, C.; Fonollosa, José A. R.; Monte, E.; Nogueiras, A.; Esquerra, I.; Escolano, C.; Gerard I. Gallego; Ferrando, J.; Tsiamas, I.; Paillisse, J.; Alarcon, E.; Hernández-Carnerero, À.; Bagherzade, M.; Houegnigan, L.; S. Abadal; Ferriol, M.; Buxons, M.; Oliva, L..

Date: 01/01/2022-31/12/2024. **Duration:** 03.00.00.

Funding: 40000.0€.

Scope: Regional.

Entity where it is developed: Department of Statistics and Operations Research.

Funding entities: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca;

Implantación de la economía Circular en la Industria de Proceso (CEPI): Métodos y herramientas para la integración circular de sistemas..

Scientific coordinator: Graells, M.; España, A..

Participants: Gibert, Karina; Sànchez-Marrè, M.; Torrades, F.; Pérez-Moya, M.; Hodge, B.; Somoza, A.; Puigjaner, L.; Sevilla, B.; Moulines, Eric François Victor; Morakabatchiankar, S.; Nasr, K.; Pacheco-Lopez, A.; Galvan, A.; Yu, X.; Lechtenberg, F..

Date: 01/09/2021-31/08/2024. **Duration:** 03.00.00.

Funding: 176660.0€.

Scope: National.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

Red de Innovación de Nuevas Tecnologías en Salud Mental (TECSAM).

Scientific coordinator: Haro, J.; Gibert, Karina.

Participants: Nebot, A.; Vellido, A.; Mugica, F.; Gibert, Karina; Barrue, C.; Ruiz, F.; Raya, C.; Aguado, J. Carlos; Prats, F.; Sanchez, M.; Angulo, C..

Date: 01/07/2020-31/12/2022. **Duration:** 02.06.00.

Funding: 379908.0€.

Scope: National.

Entity where it is developed: Fundació per a la recerca i la docència Sant Joan de Dèu.

Funding entities: Fondos FEDER;

Centre de Recerca i Transferència en Salut Mental (CRETSAM).

Scientific coordinator: Haro, J.; Angulo, C.

Participants: Gibert, Karina; Nebot, A.; Mugica, F.; Barrue, C.; Vellido, A.; Aguado, J. Carlos; Sanchez, M.; Prats, F.; Ruiz, F.; Raya, C..

Date: 01/03/2020-31/12/2022. **Duration:** 02.10.00.

Funding: 1967807.0€.

Scope: Regional.

Entity where it is developed: Fundació per a la recerca i la docència Sant Joan de Dèu.

Funding entities: Fondos FEDER;

A la búsqueda de espacio de acomodación para la adaptación de la zona costera a los riesgos presentes y futuros.

Scientific coordinator: Jimenez, J.A.; Roca, E..

Participants: Villares, M.; Garola, A.; Valdemoro, H..

Dates: 01/12/2022-30/11/2024. **Duration:** 02.00.00.

Funding: 142600.0€.

Scope: National.

Entity where it is developed: LIM/UPC - Maritime Engineering Laboratory.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

Riesgos naturales compuestos y conectados en la costa Mediterránea española ante el cambio climático - Mar.

Scientific coordinator: Jimenez, J.A..

Participants: Rodriguez, G.; Villares, M.; Garola, A.; Roca, E.; Nicholls, R.; Romero, R.; Valdemoro, H.; Sanuy, M.; Ramírez-Agudelo, N.A.; Aguilera, M..

Date: 01/09/2021-31/08/2024.

Duration: 03.00.00.

Funding: 133100.0€.

Scope: National. Entity where it is developed: LIM/UPC - Maritime Engineering Laboratory.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

STEAM University Learning Research Group.

Scientific coordinator: Lopez, D.

Participants: Casado, C.; Cobo, G.; García, D.; Marco, M.; Minguillón, J.; Sancho, M.; Alier, M.; Bruguera, M.; Casany, M.J.; Estela, M. Rosa; Llorens, A.; Martin, C.; Perez-Poch, A.; Sánchez-Carracedo, F.; Vidal, E.; Gil, J.C..

Date: 01/01/2022-31/12/2024.

Duration: 03.00.00.

Funding: 40000.0€.

Scope: Regional.

Entity where it is developed: Department of Computer Architecture.

Funding entities: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca;

Matemàtiques, ingeniería y patrimonio: nuevos retos y prácticas (XVI-XIX).

Scientific coordinator: Massa, M.; Blanco, M.

Participants: Jordi, M.; Roca, A.; Garces, B.; Diogo, M.P.; Conde, M.; Berenguer, J.; Romero, F.; Cardoso de Matos, A.; Osorio-Cardenas, M.; Valentines, J.; Gouzévitch, D.; Gouzévitch, I.; Arellano, N.; Puig, C.; Herrero, P. J.; Montava, M.; Martinez, D.; Mellado, A..

Date: 01/01/2021-31/12/2023. **Duration:** 03.00.00.

Funding: 26620.0€.

Scope: National.

Entity where it is developed: MATEMÀTIQUES.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

Congrés estatal de legionel.la i qualitat ambiental.

Scientific coordinator: Morato, J. X

Date: 10/09/2022-31/12/2023. **Duration:** 01.03.22.

Funding: 1500.0€

Scope: Regional.

Entity where it is developed: CRESCA - Food safety and Control Research Centre.

Funding entities: AJUNTAMENT TERRASSA;

Ensure fair NEXUS transition for climate change adaptation and sustainable development implementation based on coupled nature-based systems and bioeconomy.

Scientific coordinator: Morato, J.

Participants: Alvarez, J.; Fonseca, P.; Penagos, G.; Villanueva, B.; Perez, L.M.; Díaz, L.; Sánchez, O.; Pastor, R.; Gil, J.M.; Taghouti, I.; Kallas, Z.; Guesmi, B..

Date: 01/04/2022-31/03/2025. **Duration:** 03.00.00.

Funding: 465560.0€.

Scope: International.

Entity where it is developed: UNESCO Sustainability Chair.

Funding entities: European Commission;

<https://www.unescosost.org/post/approved-a-new-project-surenexus-eu-prima>

Alianzas para la Emergència Climàtica y Sanitaria del Valle de Aburra.

Scientific coordinator: Morato, J..

Date: 01/09/2021-31/08/2023. **Duration:** 02.00.00.

Funding: 78770.0€.

Scope: International.

Entity where it is developed: UNESCO Sustainability Chair.

Funding entities: UPC's Centre for Development Cooperation; Ajuntament de Barcelona;

Green and Nature-Based Solutions for climate change-resilient waste infrastructures - LIFE20 CCA/ES/001795.

Scientific coordinator: Morato, J.

Participants: Alvarez, J.; Perez, L.M.; Villanueva, B..

Date: 01/07/2021-31/12/2024. **Duration:** 03.06.00.

Funding: 1670765.0€.

Scope: European.

Entity where it is developed: Centro Tecnológico AIMEN.

Funding entities: PROGRAMA LIFE DE LA COMISION EUROPEA; <https://lifegreenadapt.com/>

Xarxa d'Innovació de Noves Tecnologies en Salut Mental.

Scientific coordinator: Nebot, A.; Gibert, Karina.

Participants: Ageno, A.; Aguado, J. Carlos; Angulo, C.; Barrue, C.; Bejar, J.; Belanche, Ll.; Català Roig, N.; Cortes, U.; Cortés, À.; Escudero, G.; Farreres, J.; Gatiús, M.; Gatzour, A.; Hernando, J.; König, C.; Martín, M.; Mugica, F.; Oliveras, A.; Padro, L.; Raya, C.; Romero, E.; Ruiz, F.; Sánchez-Marrè, M.; Sanchez, M.; Sevilla-Villanueva, Beatriz; Turmo, J.; Vazquez-Salceda, J.; Vellido, A.; Vilaplana, V..

Date: 01/01/2023-31/12/2025.

Duration: 03.00.00.

Funding: 999887.68€.

Scope: Regional.

Entity where it is developed: Universitat Politècnica de Catalunya.

Funding entities: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca; <https://tecsam.org/>

Estudio de la localización y disolución de productos de fisión y actínidos en el combustible nuclear.

Scientific coordinator: De Pablo, J.

Participants: Casas, I.; Gimenez, F.; Garcia, S.

Date: 01/09/2021-31/08/2024.

Duration: 03.00.00.

Funding: 72600.0€.

Scope: National.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

Nueva metodología de apoyo a la rehabilitación energética de edificios. Incorporación del análisis de sensibilidad e incertidumbre en la definición del parque edificado.

Scientific coordinator: Pages-Ramon, A.; Fonseca, P.

Participants: Cuchi, A.; Palumbo, M.; Godoy, A.; Borges, P..

Date: 01/12/2022-30/11/2024. **Duration:** 02.00.00.

Funding: 103500.0€.

Scope: National.

Entity where it is developed: TECNOLOGIA DE L'ARQUITECTURA.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

Soluciones basadas en la naturaleza para el tratamiento de Drenaje Ácido de Mina (DAM) de pasivos ambientales mineros en zonas altoandinas.

Scientific coordinator: Pastor, R.

Participants: Morato, J.; Berbegal-Mirabent, J.

Date: 01/06/2022-31/05/2023. **Duration:** 01.00.00.

Funding: 5000.0€.

Scope: International.

Entity where it is developed: Department of Agri-Food Engineering and Biotechnology.

Funding entities: UPC's Centre for Development Cooperation;

Xarxa R+D+I en Tecnologies de la Salut (Xartec Salut).

Scientific coordinator: Perera, A.

Participants: Aleman, C.; Armelin, E.; Zanuy, D.; Borrás, N.; Sanchez, M.; Bertran, O.; Parra, X.; Engel, E.; Torras, J.; Navazo, I.; Fairen, M.; Galicia, A.; Labay, C.; Vallverdu, M.; Gomis, P.; Font-Llagunes, J.M.; Oliver-Cervelló, L.; Planell, J. A.; Estrany, F.; Vazquez, P.; Andujar, C.; Brunet, P.; Paez, C.; Fonollosa, J.; Barjau, A.; Ortiz-Hernández, M.; Iribarren, J.; Fabregat, G.; Monclús, E.; Chica, A.; Pàmies-Vilà, R.; Chausse, V.; Perez, M.; Lanzalaco, S.; Mañanas, M.A.; Alonso, J.F.; Clos, D.; Duch, M.; Lopes, M.; Pelechano, N.; Romero, S.; Susin, A.; Ginjaume, M.; Catala, A.; Vinacua, À.; Arroyo, M.; Bachiller, A.; Serna, L.Y.; Febrer-Nafría, M.; Garcia, V.; Diaz, M.; Saez, P.; Marateb, H.; Cenciarini, M.; Fernandez, D.; Madrenas, J.; Muñoz, J.J.; Borràs, M.; De Miguel, J.; Favata, A.; Roig, M.; Cabestany, J.; Gibert, Karina; Mijancos, G.; Tost, A.; Maceratesi, F.; Casals, A.; Vilaplana, V.; Rojas, M.; Rosell, F.; Tost, D.; Hernando, J.; Benitez, R.; Riu, P.J.; Aranda, J.; Ageno, A.; Nolla-Colomer, C.; Bragos, R.; Frigola, M.; Aguado, J. Carlos; Angulo, C.; Hernansanz, A.; Barrue, C.; Ramos, J.; Martin, E.X.; Bejar, J.; Fernandez, M.; Martinez, A.; Belanche, LI.; Garcia, M.; Ginebra, M.P.; Vilaseca, M.; Pujol, J.; Català Roig, N.; Canal, C.; Español, M.; Diaz, F.; Aldaba, M.; Cortes, U.; Pegueroles, Marta; Garcia, C.E.; Cortes, A.; Rupérez de Gracia, E.; Burgos, Francisco J.; Escudero, G.; Rodriguez, D.; Mestre, C.; Farreres, J.; Manero, J.; Rodríguez, A.; Gatiús, M.; Guillem-Martí, J.; Mas-Moruno, C.; Alterini, T.; Martínez-Roda, J.A.; Martín, M.; García-Torres, J.; Rey, L.; Mugica, F.; Sadowska, J.; Nebot, A.; Tornín, J.; Hakimi, O.; Padro, L.; Martín, H.; Raya, C.; Punset, M.; Romero, E.; Konka, J.; Ruiz, F.; Raymond, S.; Sánchez-Marrè, M.; Torres, D.; Sanchez, M.; Bonany, M.; García-Mintegui, C.;

Sevilla-Villanueva, Beatriz; Turmo, J.; Hamouda, I.; Vazquez-Salceda, J.; Mateu-Sanz, M.; Vellido, A.; Minguela, J.; Echebarria, B.; Ramirez de La Piscina, L.; Alvarez-Lacalle, E.; Alonso, S.; Lopez, D.; Prats, C.; Valls, J.; Tauste Campo, A.; Ginovart, M.; Auguet, C.; Gonzalez, R.; Arias, S.; Gómez Melis, Guadalupe; Langohr, K.; Fernandez, D.; Cortes, J.; Sánchez, À.; Jordi Torner; Serrancoli, G.; Alpiste, F.; Kahatt, S.; Sanchez Egea, Antonio J.; González, M.; Rodriguez, A..

Date: 01/01/2023-31/12/2025. **Duration:** 03.00.00.

Funding: 1000000.0€.

Scope: Regional. **Entity where it is developed:** CREB - Biomedical Engineering Research Centre. **Funding entities:** AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca;

Hub d'Innovació Pediàtrica.

Scientific coordinator: Pérez, J.; Angulo, C.

Participants: Nebot, A.; Barrue, C.; Mugica, F.; Gibert, Karina; Vellido, A.; Abad Soriano, M.T.; Ageno, A.; Aguado, J. Carlos; Bejar, J.; Belanche, LI.; Castell, N.; Català Roig, N.; Cortes, U.; Cortes, A.; Escudero, G.; Farreres, J.; Gatus, M.; Gatzoura, A.; Martin, M.; Padro, L.; Prats, F.; Raya, C.; Rodriguez, H.; Romero, E.; Ruiz, F.; Sánchez-Marrè, M.; Sanchez, M.; Sevilla-Villanueva, Beatriz; Trejo, K.; Turmo, J.; Vazquez-Salceda, J..

Date: 03/03/2020-31/12/2022. **Duration:** 02.09.29.

Funding: 548629.0€.

Scope: National.

Entity where it is developed: Institut de Recerca Sant Joan de Déu.

Funding entities: Fondos FEDER;

Catalonia Digital Innovation (DIH4CAT).

Scientific coordinator: Romeral, L..

Participants: Gibert, Karina; Soriano, M.; Moreno-Eguilaz, J.M.; Delgado, M..

Date: 01/05/2022-30/04/2025. **Duration:** 03.00.00.

Funding: 159997.0€.

Scope: European.

Entity where it is developed: Generalitat de Catalunya (GenCat).

Funding entities: European Commission; <https://dih4cat.cat/en/dih4cat/>

New Trends on Urban Mobility.

Scientific coordinator: Sayrol, E.; Ribas, I.

Participants: Estrada, M.; Mercade, J.; Lúdia Montero; Magrinya, F.; Campos Cacheda, J.M.; Cuadras, A.; Jofre, L.; R. Villafafila-Robles; Muñoz, J.; Martinez, M..

Date: 01/01/2022-31/12/2022. **Duration:** 01.00.00.

Funding: 54317.93€.

Scope: European.

Entity where it is developed: Department of Signal Theory and Communications.

Funding entities: EUROPEAN INST OF INNOV.& TECHNOL.;

Citizen, Teaching, Industry, Cities for Future Mobility.

Scientific coordinator: Sayrol, E.; Aguilar Igartua, M.

Participants: Rey, F.; Bragos, R.; Ribas, I.; Vidal, E..

Date: 01/01/2022-31/12/2022. **Duration:** 01.00.00.

Funding: 25669.49€.

Scope: European.

Entity where it is developed: Department of Signal Theory and Communications.

Funding entities: EUROPEAN INST OF INNOV.& TECHNOL.;

<https://engage.eiturbanmobility.eu/processes/Project4I4U>

Mineria urbana a la ciutat de Barcelona: una alternativa per a la justícia.

Scientific coordinator: Segalas, J.

Participants: Gemma Tejedor.

Date: 01/12/2022-30/11/2023. **Duration:** 01.00.00.

Funding: 5000.0€.

Scope: Regional.

Entity where it is developed: University Research Institute for Sustainability Science and Technology.

Funding entities: Ajuntament de Barcelona;

Grup de Recerca en Ciència i Tecnologia de la Sostenibilitat.

Scientific coordinator: Sureda, B.

Participants: Segalas, J.; Buenestado, P.; Villares, M.; Roca, E.; Grau, M.D.; Cunill-Solà, J.; Alcaraz, O.; Lazzarini, B.; Gemma Tejedor; Cervantes, G.; Busquets, P.; Rosas-Casals, M.; Garrido, N.; Morato, J..

Date: 01/01/2022-31/12/2024. **Duration:** 03.00.00.

Funding: 40000.0€.

Scope: Regional.

Entity where it is developed: ENGINYERIA CIVIL I AMBIENTAL.

Funding entities: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca;

Artificial Intelligence threat Reporting and Incident response System.

Scientific coordinator: Teniente, E.

Participants: Gomez Gonzalez, A.; Medina, M.; Serral, R.; Obiols, A.; Renom, A.; Teniente, E.; Gibert, Karina.

Date: 01/09/2021-31/08/2024. **Duration:** 03.00.00.

Funding: 120750.0€.

Scope: National. **Entity where it is developed:** Universitat Politècnica de Catalunya.

Funding entities: European Commission; <https://cordis.europa.eu/project/id/101021727>

Recuperación Sostenible de Elementos de valor añadido a partir de salmueras de desalinización de agua de mar mediante Tecnologías de separación híbrida.

Scientific coordinator: Valderrama, C.; Gibert, O.

Participants: Farran, A.; De Pablo, J.; Darbra, R.M.; Martí, V.; Hermassi, M.; Reig, M..

Date: 01/12/2022-30/11/2024. **Duration:** 02.00.00.

Funding: 184000.0€.

Scope: National.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: AGENCIA ESTATAL DE INVESTIGACION;

HUB D'INNOVACIÓ PEDIÀTRICA.

Scientific coordinator: Vellido, A.

Participants: Ageno, A.; Aguado, J. Carlos; Angulo, C.; Barrue, C.; Bejar, J.; Belanche, Ll.; Català Roig, N.; Cortes, U.; Cortés, A.; Escudero, G.; Farreres, J.; Gatius, M.; Gibert, Karina; Gatzoura, A.; Hernando, J.; König, C.; Martin, M.; Mugica, F.; Nebot, A.; Padro, L.; Raya, C.; Romero, E.; Ruiz, F.; Sánchez-Marrè, M.; Sanchez, M.; Sevilla-Villanueva, Beatriz; Turmo, J.; Vazquez-Salceda, J.; Vilaplana, V..

Date: 01/01/2023-31/12/2025. **Duration:** 03.00.00.

Funding: 919425.0€.

Scope: Regional.

Entity where it is developed: Hospital Sant Joan de Déu Barcelona.

Funding entities: Fondo Europeo de Desarrollo Regional; <https://www.innovation4kids.org/>

Continuació del projecte 2021-F003: Disseny i implementació d'una infraestructura digital per a la localitat de Gandiol.

Scientific coordinator: Vidal, E..

Date: 01/06/2022-31/05/2023. **Duration:** 01.00.00.

Funding: 3000.0€.

Scope: International.

Entity where it is developed: Codi 710 Eng.Electrònica EEL.

Funding entities: UPC's Centre for Development Cooperation;

Connecting St. John of God - Sierra Leone Part III.

Scientific coordinator: Vidal, E..

Date: 01/06/2022-31/05/2023. **Duration:** 01.00.00.

Funding: 4000.0€.

Scope: International.

Entity where it is developed: Codi 710 Eng.Electrònica EEL.

Funding entities: UPC's Centre for Development Cooperation;

Aules TIC a Ghana rural.

Scientific coordinator: Vidal, E..

Date: 01/06/2022-31/05/2023. **Duration:** 01.00.00.

Funding: 4000.0€.

Scope: International.

Entity where it is developed: Codi 710 Eng.Electrònica EEL.

Funding entities: UPC's Centre for Development Cooperation;

Xarxa R+D+I en Tecnologies de la Salut (XarTEC SALUT).

Scientific coordinator: Perera, A.

Participants: Duch, M.; Frigola, M.; Aranda, J.; Casals, A.; Roig, M.; Fernandez, D.; Garcia, V.; Ginjaume, M.; Hernansanz, A.; Chausse, V.; Ortiz-Hernández, M.; Oliver-Cervelló, L.; Minguela, J.; Martin, E.X.; Hamouda, I.; Burgos, Francisco J.; García-Mintegui, C.; Bonany, M.; Torres, D.; Mateu-Sanz, M.; Alterini, T.; Sanchez, M.; Borrás, N.; Zanuy, D.; Armelin, E.; Iribarren, J.; Planell, J. A.; Engel, E.; Aleman, C.; Aldaba, M.; Martinez-Roda, J.A.; Martinez, A.; Rodríguez, A.; Mestre, C.; Mas-Moruno, C.; Garcia, C.E.; Raymond, S.; Diaz, F.; Pujol, J.; Vilaseca, M.; Rey, L.; Pla, N.; Pàmies-Vilà, R.; Barjau, A.; Font-Llagunes, J.M.; Nolla-Colomer, C.; Marimon, X.; Benitez, R.; Joan-Arinyo, R.; Labay, C.; Ayala, D.; Lobo, J.; Tost, D.; Serna, L.Y.; Bachiller, A.; Alonso, J.F.; Romero, S.; Mañanas, M.A.; Kanaan-Izquierdo, S.; Fonollosa, J.; Vigo, M.; Pegueroles, Marta; Punset, M.; Hakimi, O.; Sadowska, J.; Bertran, O.; Garcia-Torres, J.; Puiggali, A.; Guillem-Marti, J.; Manero, J.; Clos, D.; Rupérez de Gracia, E.; Febrer-Nafría, M.; Canal, C.; Garcia, M.; Fernandez, M.; Ramos, J.; Bragos, R.; Riu, P.J.; Rosell, F.; Konka, J.; Rodriguez, D.; Acevedo-Valle, J. M.; Cortes, U.; Català Roig, N.; Castell, N.; Belanche, Ll.; Bejar, J.; Barrue, C.; Angulo, C.; Fabregat, G.; Ageno, A.; Farreres, J.; Gibert, Karina; Muñoz, J.J.; Saez, P.; Arroyo, M.; Salavedra, J.; India, M.; Escolano, C.; Khan, U.; Aguado, J. Carlos; Raya, C.; Prats, F.; Vellido, A.; Vazquez-Salceda, J.; Turmo, J.; Trejo, K.; Sevilla-Villanueva, Beatriz; Sanchez, M.; Sánchez-Marrè, M.; Cortes, A.; Rodriguez, H.; Escudero, G.; Paz, A.; Padro, L.; Catala, A.; Vallverdu, M.; Pelechano, N.; Chica, A.; Brunet, P.; Andujar, C.; Fairen, M.; Monclús, E.; Susin, A.; Vazquez, P.; Navazo, I.; Parra, X.; Perez, C.; Casas, J.; Diaz, M.; Giro, X.; Lopes, M.; Lanzalaco, S.; Revilla-López, G.; Estrany, F.; Torras, J.; Español, M.; Ginebra, M.P.; Cabestany, J.; Monte, E.; Ruiz, F.; Oliva, L.; Nebot, A.; Mugica, F.; Martin, M.; Gatiús, M.; Pascual, S.; Esquerria, I.; Nogueiras, A.; Vinacua, À.; Costa-jussà, Marta R.; Bonafonte, A.; Fonollosa, José A. R.; Moreno, A.; Nadeu, C.; Hernando, J.; Vilaplana, V.; Sayrol, E.; Salembier, P.; Ruiz-Hidalgo, J.; Pardas, M.; Oliveras, A.; Morros, J.R.; Marques, F.; Vallverdu, F.; Paez, C.; Borràs, B.; Turon, A.; San Agustin, S.; Gonzalez, S..

Date: 15/08/2020-31/12/2022. **Duration:** 02.04.17.

Funding: 1338250.0€.

Scope: Regional.

Entity where it is developed: CREB - Biomedical Engineering Research Centre.

Funding entities: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca;

Development of radical innovations to recover minerals and metals from seawater desalination brines.

Scientific coordinator: Valderrama, C.

Participants: Cortina, J.; Reig, M.; De Pablo, J.; Gibert, O.; Florido, A.; Farran, A.; Martí, V.; Figueira, M.; Torres, R.; Jofre, L.; Grau, J..

Date: 01/06/2020-31/05/2024. **Duration:** 04.00.00.

Funding: 490537.5€.

Scope: European.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: Commission of European Communities;

<http://cordis.europa.eu/projects/869703>

Ús eficient de recursos de rentat industrial.

Scientific coordinator: De Pablo, J..

Date: 01/01/2020-31/12/2023. **Duration:** 04.00.00.

Funding: 33960.0€.

Scope: Regional.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca;

DIGital traNsport In and for socieTY.

Scientific coordinator: Roca, E.

Participants: Villares, M.; Garola, A.; Lazzarini, B.

Date: 01/01/2020-31/12/2022. **Duration:** 03.00.00.

Funding: 320869.8€.

Scope: European.

Entity where it is developed: University Research Institute for Sustainability Science and Technology. **Funding entities:** Commission of European Communities;

<http://cordis.europa.eu/projects/875542>

Consulta Local para la Optimización de Políticas Territoriales sobre Energía Rural.

Scientific coordinator: Rosas-Casals, M.

Participants: Borges, P.; Pages-Ramon, A..

Date: 01/10/2019-31/03/2023. **Duration:** 03.06.00.

Funding: 75101.4€.

Scope: European.

Entity where it is developed: University Research Institute for Sustainability Science and Technology. **Funding entities:** Commission of European Communities; <https://coleopter.eu/>

GAVIUS: from reactive to proactive public administrations.

Scientific coordinator: Angulo, C.

Participants: Gibert, Karina; Hernando, J.; Cortes, U.

Date: 01/09/2019-28/02/2023. **Duration:** 03.06.00.

Funding: 172800.0€.

Scope: European.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** Commission of European Communities;
<https://www.uia-initiative.eu/en/uia-cities/gava>

Soluciones basadas en la naturaleza para la gestión del agua en áreas periurbanas: Conectando las dimensiones ecológica, social y económica.

Scientific coordinator: Roca, E.

Participants: Villares, M.; Ramírez-Agudelo, N.A.; Cruz, M..

Date: 01/04/2019-31/03/2023. **Duration:** 04.00.00.

Funding: 82500.0€.

Scope: National.

Entity where it is developed: University Research Institute for Sustainability Science and Technology. **Funding entities:** AGENCIA ESTATAL DE INVESTIGACION;

Integración de los objetivos para el desarrollo sostenible en la formación en sostenibilidad de las titulaciones universitarias españolas.

Scientific coordinator: Sánchez-Carracedo, F.; Segalas, J.

Participants: Hernandez, M.; Gemma Tejedor; Climent, J.; Cabre, J.; Lopez, D.; Vidal, E.; Busquets, P.; Bueno, G.; Llinares, J.; Lafuente, M.; Limón, D.; Faura, Ú.; Barrón, À.; Sánchez, E.; Miñano, R.; Sáez de Cámara, E.; Gil, Ma D.; Valderrama, R.; Berbegal-Mirabent, J.; Román, S.; Sureda, B..

Date: 01/01/2019-31/12/2022. **Duration:** 04.00.00.

Funding: 58564.0€.

Scope: National.

Entity where it is developed: University Research Institute for Sustainability Science and Technology. **Funding entities:** AGENCIA ESTATAL DE INVESTIGACION;

Participation in a non-competitive R&D project

Construcción de capacidades sobre justicia y equidad en compromiso mitigación NDCs.

Scientific coordinator: Alcaraz, O.

Participants: Sureda, B.

Date: 24/01/2023-23/02/2023. **Duration:** 00.01.00.

Funding: 4421.0€.

Scope: International.

Entity where it is developed: Grup de Governament del Canvi Climàtic.

Funding entities: FUNDACIÓN AVINA CHILE; Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH; EUROCLIMA+;

Assistència tècnica per a l'estimació del pressupost català de carboni segons criteris de justícia climàtica internacional.

Scientific coordinator: Alcaraz, O.

Participants: Sureda, B.; Balfego, M.; Turon, A..

Date: 16/09/2022-15/01/2023. **Duration:** 00.04.00.

Funding: 16899.0€.

Scope: Regional.

Entity where it is developed: Grup de Governament del Canvi Climàtic.

Funding entities: Generalitat de Catalunya. Departament de Territori i Sostenibilitat;

Contracte de col·laboració per l'assistència tècnica per a l'estimació del pressupost català de carboni segons criteris de justícia climàtica internacional.

Scientific coordinator: Alcaraz, O.

Date: 16/09/2022-15/01/2023. **Duration:** 00.04.00.

Funding: 16899.63€.

Scope: Regional.

Entity where it is developed: University Research Institute for Sustainability Science and Technology. **Funding entities:** GENCAT-D.AGRICULTURA, RAMADERIA,;

Treball de recerca sobre habitat urba pel Govern Vasc.

Scientific coordinator: Cuchi, A.

Date: 05/07/2023-31/12/2025. **Duration:** 02.05.27.

Funding: 200000.0€.

Scope: National.

Entity where it is developed: TECNOLOGIA DE L'ARQUITECTURA.

Funding entities: ADM. GENERAL O ADM. DE LA COMUNIDAD;

L'objecte del contracte és la realització de l'assessorament en assumptes normatius tècnics d'àmbit estatal pels quals el COAC hagi de tenir opinió fonamentada.

Scientific coordinator: Cuchi, A.

Date: 01/05/2023-31/12/2023. **Duration:** 00.08.00.

Funding: 11517.0€. **Scope:** Regional.

Entity where it is developed: TECNOLOGIA DE L'ARQUITECTURA.

Funding entities: COL.LEGI OFI. ARQUITECTES CATALUNYA;

Asesoramiento para la redacción del Plan Director de la Alameda de Santa Susana (Santiago de Compostela).

Scientific coordinator: Cuchi, A.

Date: 01/04/2023-31/05/2023. **Duration:** 00.02.00.

Funding: 7000.0€.

Scope: National.

Entity where it is developed: TECNOLOGIA DE L'ARQUITECTURA.

Funding entities: ASISTENCIA TECNICA CLAVE, S.L.U.;

Estudi eficiència energètica edificis Euskadi.

Scientific coordinator: Cuchi, A.

Date: 21/07/2022-31/12/2023. **Duration:** 01.05.11.

Funding: 200000.0€.

Scope: National.

Entity where it is developed: TECNOLOGIA DE L'ARQUITECTURA.

Funding entities: ADM. GENERAL O ADM. DE LA COMUNIDAD;

Disseny de les estructures de dades i repositori comú amb mixtura d'estratègia centalitzada federada Implementació d'iuna capa intel.ligent de dades Pilot a Vall d'Aran.

Scientific coordinator: Gibert, Karina.

Date: 17/07/2023-23/07/2025. **Duration:** 02.00.07.

Funding: 256000.0€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** FUNDACIO TICSALUT;

Reinforcement learning per water management.

Scientific coordinator: Gibert, Karina.

Date: 29/03/2023-29/12/2023. **Duration:** 00.09.01.

Funding: 9000.0€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** CETAQUA;

Patrocini de la jornada d'entrega de premis del programa Top Secret Rosies. Direcció general de Societat Digital (Resolució d'adjudicació EMO-2023-245).

Scientific coordinator: Gibert, Karina.

Date: 21/03/2023-22/03/2023. **Duration:** 00.00.02.

Funding: 6167.1€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** GENERALITAT DE CATALUNYA;

Recerca-diagnòstic sobre la Diversitat en la Intel·ligència Artificial a Catalunya.
Departament d'Igualtat i Feminisme de la Generalitat (Resolució d'adjudicació IF-2023-39).

Scientific coordinator: Gibert, Karina.

Date: 09/02/2023-01/11/2023. **Duration:** 00.08.24.

Funding: 14500.0€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** GENERALITAT DE CATALUNYA;

ASISTENTE INTELIGENTE PARA LA GESTIÓN DE UNA PLANTA DE TRATAMIENTO DE AGUAS QUE OPTIMICE LA GESTIÓN DE FANGOS ACTIVADOS ENTRE EL CENTRO DE INVESTIGACIÓN EN CIENCIA INTELIGENTE DE DATOS E INTELIGENCIA.

Scientific coordinator: Gibert, Karina.

Date: 23/12/2022-31/12/2023. **Duration:** 01.00.09.

Funding: 20000.0€.

Scope: Regional.

Entity where it is developed: Department of Statistics and Operations Research.

Funding entities: CETAQUA;

IA a la transformació digital.

Scientific coordinator: Gibert, Karina.

Date: 22/12/2022-22/12/2025. **Duration:** 03.00.01.

Funding: 21600.0€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** FUNDACIÓ i2CAT;

CISCO hará una aportación única a la UPC para ser destinados al programa de generación de talento femenino en Inteligencia Artificial

Scientific coordinator: Gibert, Karina.

Date: 21/11/2022-23/02/2023. **Duration:** 00.03.03.

Funding: 5000.0€.

Scope: National.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** CISCO SYSTEMS (SPAIN) SL;

Cápsulas inspiracionales programa Apuesta por las TIC.

Scientific coordinator: Gibert, Karina.

Date: 01/11/2022-01/12/2022. **Duration:** 00.01.01.

Funding: 1800.0€.

Scope: National.

Entity where it is developed: Universitat Politècnica de Catalunya.

Funding entities: Generalitat de Catalunya (GenCat); FUNDACIÓ BARCELONA MOBILE WORLD CAPITAL FOUNDATION;

Programa de generació de talent femení en IA.

Scientific coordinator: Gibert, Karina.

Date: 01/09/2022-20/02/2024. **Duration:** 01.05.20.

Funding: 10000.0€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** FUNDACIO BARCELONA MOBILE WORLD CAP;

Donació pel curs ACAI-2022.

Scientific coordinator: Gibert, Karina.

Date: 23/04/2022-31/12/2022. **Duration:** 00.08.09.

Funding: 3000.0€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** CENTRE DE VISIO PER COMPUTADOR;

Donació pel curs ACAI-2022.

Scientific coordinator: Gibert, Karina.

Date: 23/04/2022-31/12/2022. **Duration:** 00.08.09.

Funding: 9000.0€.

Scope: International.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** Artificial Intelligence Journal;

Donació pel congrés ACAI-2022.

Scientific coordinator: Gibert, Karina.

Date: 23/04/2022-31/12/2022. **Duration:** 00.08.09.

Funding: 12500.0€.

Scope: International.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** EurAI;

Top Rosies Talent.

Scientific coordinator: Gibert, Karina.

Participants: Vilaplana, V.; Belen Alastruey; Català Roig, N.; Nebot, A.; Arias, M..

Date: 01/01/2022-01/03/2023. **Duration:** 01.02.01.

Funding: 20000.0€.

Scope: Regional.

Entity where it is developed: Universitat Politècnica de Catalunya.

Funding entities: DIGITAL FUTURE SOCIETY; HP Printing and Computing Solutions, S.L.U .;

Estudi de seguretat d'un fàrmac.

Scientific coordinator: Gibert, Karina.

Date: 27/09/2021-31/12/2023. **Duration:** 02.03.05.

Funding: 24525.0€.

Scope: Regional.

Entity where it is developed: Department of Statistics and Operations Research.

Funding entities: FERRER INTERNACIONAL,S.A.;

AI for Tourism.

Scientific coordinator: Gibert, Karina.

Date: 01/06/2021-01/03/2023. **Duration:** 01.09.01.

Scope: National.

Entity where it is developed: Universitat Politècnica de Catalunya.

Funding entities: Centre of Innovation for Datatech and Artificial Intelligence;

Desenvolupament d'un curs digital sobre IA per a la ciutadania en general de difusió massiva en la societat catalana.

Scientific coordinator: Gibert, Karina.

Participants: Nebot, A..

Date: 01/02/2021-31/01/2024. **Duration:** 03.00.00.

Funding: 172544.0€.

Scope: Regional.

Entity where it is developed: Centre Específic de Recerca Intelligent Data Science and Artificial Intelligence. **Funding entities:** FUNDACIÓ i2CAT;

Alianzas para la Emergencia Climática y Sanitaria del Valle de Aburra.

Scientific coordinator: Morato, J.; Penagos, G.; Sanchez, O.; Villanueva, B.; Díaz, L.; Perez, L.M.; Alvarez, J.; López, D..

Date: 01/11/2021-31/10/2023. **Duration:** 02.00.00.

Funding: 152092.0€.

Scope: International.

Entity where it is developed: UNESCO Sustainability Chair.

Funding entities: Ajuntament de Barcelona;

Detectability of humpback and gray whales in satellite imagery off California.

Scientific coordinator: Nadeu, C.; Houegnigan, L.

Participants: Cuesta, E.; Romero, E.; Moreno-Noguer, F.; Gibert, Karina; Hernando, J..

Date: 01/08/2021-15/12/2023. **Duration:** 02.04.15.

Funding: 276258.18€.

Scope: International.

Entity where it is developed: TALP - Centre for Language and Speech Technologies and Applications. **Funding entities:** The Nature Conservancy;

Contracte de col·laboració per conèixer l'estabilitat del combustible nuclear gastat (CNG) i les condicions esperades en l'emmagatzematge geològic profund del CNG.

Scientific coordinator: De Pablo, J..

Date: 02/01/2023-31/12/2024. **Duration:** 01.11.30.

Funding: 185000.0€.

Scope: National.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: ENRESA;

Instructional design – Teacher Training programmes: Challenge-Based Learning.

Scientific coordinator: Segalas, J.

Participants: Gemma Tejedor.

Date: 01/01/2021-31/12/2022. **Duration:** 02.00.00.

Funding: 34125.0€.

Scope: International.

Entity where it is developed: University Research Institute for Sustainability Science and Technology. **Funding entities:** EUROPEAN INST OF INNOV.& TECHNOL.;

Desarrollo de un conjunto de tareas para el peritaje exhaustivo sobre los posibles defectos de diseño, instalación y funcionamiento de las centrífugas.

Scientific coordinator: Alvarez, J..

Date: 08/07/2020-31/07/2024. **Duration:** 04.00.24.

Funding: 11000.0€.

Scope: Regional.

Entity where it is developed: Department of Mechanical Engineering.

Funding entities: PLASTIVERD PET RECICLADO SA;

Caracterización y estudio de análogos químicos del combustible nuclear irradiado (SNF) en las condiciones esperadas en un almacenamiento definitivo, en condiciones reductoras y parcialmente oxidantes.

Scientific coordinator: De Pablo, J..

Date: 01/07/2020-31/12/2023. **Duration:** 03.06.00.

Funding: 222000.0€.

Scope: National.

Entity where it is developed: Department of Chemical Engineering.

Funding entities: ENRESA;

Según Convenio Marco, establecer los honorarios relativos al asesoramiento, soporte académico y cualquier otra actividad que implique remuneración, que de común acuerdo se establecen entre el COACádiz.

Scientific coordinator: Cuchi, A.

Date: 20/02/2019-16/02/2026. **Duration:** 06.11.28.

Funding: 27000.0€.

Scope: National.

Entity where it is developed: TECNOLOGIA DE L'ARQUITECTURA.

Funding entities: COLEGIO OFICIAL ARQUITECTOS-CÁDIZ;

Cotitularitat tesi doctoral Ontology based semantic clustering.

Scientific coordinator: Gibert, Karina.

Date: 14/02/2011-28/02/2031. **Duration:** 20.00.15.

Scope: Regional.

Entity where it is developed: Department of Statistics and Operations Research.

Funding entities: UNIVERSITAT ROVIRA I VIRGILI;

4. TEACHING

4.1 MASTER'S DEGREE IN SUSTAINABILITY SCIENCE AND TECHNOLOGY

The master's degree in Sustainability Science and Technology aims to provide students with advanced interdisciplinary training to help them understand the interactions between society, the economy, and the environment. Graduates will also have a sound understanding of scientific and technical options and trends for tackling key challenges for the sustainable development of current socio-environmental systems.

The course will train students to become entrepreneurs and agents of change in the field of sustainable development. Based on their specialization in areas related to biodiversity, the environment, the built environment, services, the production system and information management, graduates will be able to design, implement and evaluate sustainable solutions in different fields of engineering and technology. They will work in various cultural and professional contexts, applying a transdisciplinary approach based on scientific and technical rigor.

This master's degree has received the International Master's Programme distinction (2013 call) awarded by the Government of Catalonia's Agency for the Management of University and Research Grants (AGAUR).

The Master in Sustainability Science and Technology was validated by the Universities Council's Curriculum Validation and Accreditation Committee in July 2013.

Courses offered in academic year 2022-2023:

Mandatory Courses

Code	Subject	Professor
480011	Fundamentals of Economics, Environmental Economics and Ecological Economics	José María Gil
480012	Fundamentals of Engineering, Sustainability and Development	Bàrbara Sureda
480021	Fundamentals of Mathematical and Systemic Sustainability Modelling ^[1]	Martí Rosas
480022	Fundamentals of Applied Statistics and Sustainability and Development Measurement	Karina Gibert
480041	Fundamentals of Social Sciences and Approaches to Socio-Environmental Conflicts	Míriam Villares
480042	Research-Action Workshop on Sustainability Science and Technologies ^[1]	Jordi Segalas
480051	Fundamentals of Geosciences and Geographic Information Systems	Xavier Sánchez

480031	Fundamentals of Ethics, Business, and Innovation	Alvar Garola
480032	Fundamentals of Sustainable Management and Environmental Management Systems	María Gonçalves
480074	Transdisciplinary and Social Research	Elisabet Roca

Elective courses

Code	Subject	Professor
480081	Urban Metabolism and Ecological Urbanism ^[1]	Josep Mercadé
480093	Socio-Environmental Data Science ^[1]	Karina Gibert
480111	Integral Management of Urban and Ecological Water Cycles	Joan de Pablo
480072	Climate Change Mitigation Policies	Olga Alcaraz
480071	Biodiversity and Socio-Ecological Systems ^[1]	Jordi Morató
480076	Sustainable Management of Energy Resources and the Need for a New Energy Model	José López
480152	Sustainable Design of Products and Services ^[1]	Jordi Segalas
480075	Intelligent Sustainability Decision Support Systems ^[1]	Miquel Sanchez-Marré
480083	Territorial Metabolism and Transport Infrastructures	Francesc Magrinyà
480091	Information and Communication Technologies	Eva Vidal
480092	Industrial Ecology	Gemma Cervantes
480152	Sustainable Design of Products and Services ^[1]	Jordi Segalas
480171	Complex and Socio-Environmental Networks ^[1]	Martí Rosas
480521	International Cooperation for Development	Alvar Garola
480511	Urban and Regional Development ^[1]	Francesc Magrinyà
480602	Construction and Building Engineering and Technologies ^[1]	Miren Etxeberria
480073	Energy Economics and Sustainable Energy Systems ^[1]	Elena Martin

[1] Subjects taught in English Language. Exams can be taken in Catalan, Spanish or English

Defended Master Theses

Avaluació del repartiment modal com a paràmetre clau de la mobilitat i els seus efectes sobre la salut	2022-10-13
Justicia y ambición en las contribuciones determinadas a nivel nacional presentadas en el marco del acuerdo de París	2022-10-18
Informe de sostenibilidad en proyectos de cooperación del ámbito universitario	2022-10-19
Proposal to incorporate sustainability into ICT engineering studies	2022-10-19
Create a platform to ensure citizens participation in design of the cities of the future. Preparatory action	2022-10-20
Paredes y techos vegetados multifuncionales como contribución a la resiliencia urbana	2022-10-20
Soluciones energéticas sostenibles para campos de refugiados	2023-06-27
Incorporació del dret al desenvolupament sostenible en un model de repartiment del pressupost global de carboni	2023-06-28
Diseño e implementación de un Sistema Inteligente de Soporte a la Toma de Decisiones en Sostenibilidad (ISDSS) para lograr la deforestación cero en la selva amazónica brasileña	2023-06-28
Intelligent assistant to the WWTP operation for activated sludge waste optimal control. A real application	2023-06-28
Circular solution of hospital plastic waste: Feasibility study to recycle the single-use plastic IV-bags from Medical Center Leeuwarden to produce IV bag connectors	2023-06-28
Barriers and Drivers to implementing Nature-based Solutions and Managed Retreat on the Catalan coast. A case study on Cubelles' socio-environmental conflict.	2023-06-28
Avaluació i propostes de millora per l'espai portuari d'El Masnou.	2023-06-28
Potential capacity of implementing rooftop greenhouses. A case study in Stockholm	2023-06-28

4.2 DOCTORAL PROGRAM IN SUSTAINABILITY

Sustainability research involves specialists from different origins and backgrounds with a variety of disciplinary perspectives but with the common will to contribute to the development of society by providing future generations with the options and skills required to forge their own path.

The doctoral programme in Sustainability encompasses the research and courses that deal with the current challenges to sustainability: exhaustion, distribution and management of natural resources, including energy and water; climate change impacts and adaptation and mitigation mechanisms; modeling of socio-environmental systems and assessment of their evolution and development; poverty and imbalances in urban and rural environments; technological innovation and integrated concepts in construction, architecture and management of public services and the environment; and preservation and promotion of environmental and cultural heritage.

Sustainability science and technology is a highly interdisciplinary field of research that offers the opportunity to make original contributions in understanding and solving problems that affect the welfare and development of peoples and societies, and in shaping a new perspective from which to analyze our reality, integrating approaches from different disciplines and embracing the very agents of change.

This programme, in which highly diverse research lines and fields of interest converge, may benefit from cross-disciplinary exchange between the different research lines. For this reason, in addition to the activities in which each research group is involved, a framework for discussion of research in progress is provided in the form of the Research Monitoring and Support Working Session. This session is held every academic year and is open to all doctoral candidates and lecturers who are interested in sustainability science and technology.

This PhD therefore, is open to professionals and researchers with the will and capacity to face these challenges and provide solutions through academic contributions of international impact.

The doctoral programme in Sustainability was validated by the Universities Council's Curriculum Validation and Accreditation Committee, in accordance with the provisions of Royal Decree 99/2011, of 28 January, regulating official doctoral studies. The first academic year under Royal Decree 99/2011 was 2013-14.

PhD in Sustainability – Facts & Figures 2022-23

Access and enrolment

New doctoral students	21
Read doctoral thesis	98
Research plans defended	22
Read doctoral thesis	6

Defended PhD Theses

Angerri Torredeflot, Xavier

Thesis title: Metodologia integral de perfilat ràpid intel·ligent i interpretable pel suport a la presa de decisions complexes (MIPRI2D). Aplicacions a Sostenibilitat.

Supervisor: Gibert, Karina

Reading date: 25/07/2023

Oliete Josa, Sergio

Thesis title: Shaping transport infrastructure in Sub-Saharan Africa (1884-2020). The impact of decision-making on network efficiency and sustainability: the case of Cameroon

Supervisor: Magrinya Torner, Francesc

Reading date: 05/07/2023

Borges Martins, Patricia Alexandra

Thesis title: Modelització energètica d'edificis a escala urbana a Andorra. Reducció dels desajustos dels models mitjançant dades de consum d'energia desagregades.

Supervisor: Pages Ramon, Anna | Travesset Baró, Oriol

Reading date: 16/06/2023

Sáez Ujaque, Diego

Thesis title: Resiliencia y Panarquía en los procesos de regeneración de la ciudad postindustrial. Una aproximación a las dinámicas urbanas a través del caso de Mataró (Barcelona).

Supervisor: Fuertes Perez, Pere | Garcia Almirall, Maria Pilar

Reading date: 17/03/2023

Villanueva Retamales, Laura Alicia

Thesis title: Entendiendo los Parques Nacionales como reflejo de nuestra capacidad para vivir en un medio natural. Una mirada a través de la habitabilidad, Parque Torres del Paine.

Supervisor: Cuchi Burgos, Alberto

Reading date: 22/11/2022

Botero Posada, Simón Andrés

Thesis title: Caracterización y modelación del sistema agroalimentario sostenible en la comunidad de Ziparadó, Resguardo indígena Embera Dóbida de Tanela, municipio de Unguía, departamento del Chocó, Colombia.

Supervisor: Alvarez Del Castillo, Javier

Ríos Osorio, Leonardo Alberto

Reading date: 29/11/2022

Defended Research Plans

Student	Director
February 2023	
AZIZMOHAMMADI, MAHDI	Carlos Sierra / Lázaro Cremades Olive
DÍAZ PÉREZ, LUIS DAVID	Jordi Morató
FARMAHINIFARAHANI, MOHAMMADIMAN	Jordi Cadafalch / Oscar Ribé
DIAZ PEREZ, LUIS DAVID	Jordi Morató
PATEL, BHUMIKA	Pau Fonseca
SERRANO SERRAT, DANIEL	Albert Cuchí
June 2023	
ARÉVALO CORDOVILLA, FELIPE EMILIANO	Marta Peña
BALDARO, FILIPPO ALFONSO	Zein Kallas
GOUMEIDA, KENZA	Chema Gil
LARVOE, NOAH	Zein Kallas
LOPEZ FERNANDEZ, JOAN	Francesc Magrinyà
ORTIZ MARTINEZ, MARIA GABRIELA	Jordi Segalàs / Rodrigo Lozano
MENÉNDEZ MOLIST, ADRIÀ	Zein Kallas
MUÑOZ GONZÁLEZ, DIANA BEATRIZ	Francesc Magrinyà / Juan Tundra
RAMÍREZ RODRÍGUEZ, MARIA SARAY	Lourdes Reig / David Fernández Guerrero
RAYÓN MARTÍN, FERNANDO	Chema Gil / Mireia Fernández Ardèvol
ROURE VILA, ESTHER	Leandro Navarro
SÁNCHEZ SANTANDER, OLGA LUCIA	Jordi Morató
SERRAHIMA TORNEL, ALEIX	Antonio Aguado / Albert de la Fuente

URIOSTE DAZA, SERGIO ALEJANDRO	Chema Gil / Ibtissem Taghouti
WANG, RUOSHI	Marta Peña / Rosó Baltà
WASSERMANN, THOMAS	Zein Kallas
ZHANG JIN, TIANYU	Chema Gil

5. PUBLICATIONS

5.1 SCIENTIFIC PRODUCTION

The research activities and production of IS.UPC members are included in the following link:
<https://futur.upc.edu/IS.UPC>

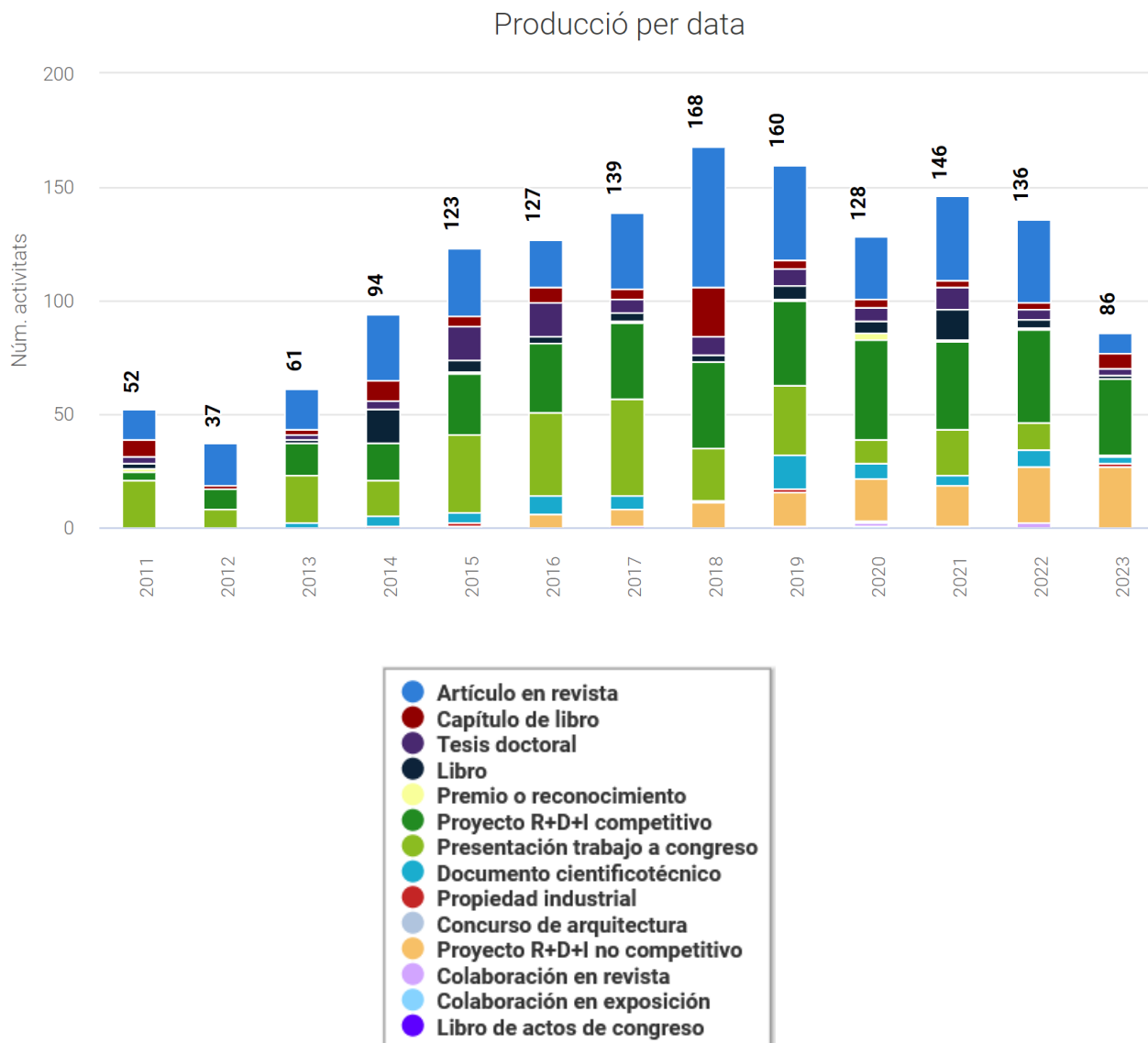


Figure X: Research activities over time

6. ACTIVITIES

6.1 WORK PRESENTED AT A CONFERENCE AND OUTREACH ACTIVITIES

Participació de investigadors del Institut en desenvolupament curricular en sostenibilitat a la Universitat SUA a Tanzània

Participants: Elisabet Roca, Jordi Segalàs, Gemma Tejedor

Date: 04/10/2022

Programming 1 and Sustainability.

Participants: Castro, J.; Cortadella, J.; Gabarro, J.; Vidal, E..

Date: 50th Annual Conference of the European Society for Engineering Education. 20/09/2022.

Creating a future that overcomes the digital divide through Scenario Building: strategies for inclusive public transport in the Barcelona Metropolitan Area.

Participants: Lazzarini, B.; Kollosche, I.; Roca, E.; Bartosz W.; Garola, A.; Ortiz, A.; Vidal, M..

Date: Transport Research Arena 2022. 14/11/2022.

The role of mindfulness practices as a key element for a conceptual framework of behavior and health in green space.

Participants: Muñoz, D.; Magrinya, F..

Date: Urban Transitions 2022. 09/11/2022.

Finding patterns from a user-centric perspective using knowledge discovery methods.

Participants: Palomino, A.; Gibert, Karina.

Date: 5th International Conference on Advanced Research Methods and Analytics. 28/06/2023.

El fomento de la empatía mediante la metodología de aprendizaje basado en problemas (ABPB) para alumnos de 2do de secundaria.

Participants: Ramírez-Hermosillo, D.; Sánchez-Carracedo, F.

Date: 12 Congreso Internacional LA INVESTIGACIÓN EN EL POSGRADO. 12/10/2022.

Integrating Sustainability and Social Commitment (S&SC) competences in the curriculum at the Barcelona School of Civil Engineering.

Participants: Roca, E.; Real, E.; Ferrer, I.

Date: 50th Annual Conference of the European Society for Engineering Education. 19/09/2022.

<https://www.upc.edu/ice/ca/ebook-sefi-2022-1.pdf/>.

Promoting digital inclusion in modern transport systems: the management and use of data in the H2020 DIGNITY project.

Participants: Roca, E.; Lazzarini, B.

Date: Research Café 5: Research Data (12th May 2022). 12/05/2022.

Los proyectos EDINSOST: inclusión de los ODS en la educación superior.

Participants: Segalàs, J.; Sánchez-Carracedo, F.; Gemma Tejedor.

Date: IV Jornadas de Innovación Educativa DIMEU: ODS en educación universitaria.
09/06/2022.

The EDINSOST2-SDG project: introducing SDGs in higher education.

Participants: Sánchez-Carracedo, F.; Segalas, J.; Gemma Tejedor.

Date: 50th Annual Conference of the European Society for Engineering Education. 20/09/2022.

Developing personas to improve understanding of users' needs in digital mobility: An experience of the DIGNITY project in the Barcelona Metropolitan Area.

Participants: Bartosz W.; Ortego, M.I.; Roca, E.; Goodman-Deane, J.; Nesterova, N..

Date: Transport Research Arena 2022. 15/11/2022.

Bootstrap-CURE clustering: An investigation of impact of shrinking on clustering performance.

Participants: Karna, A.; Gibert, Karina.

Date: 24th International Conference of the Catalan Association for Artificial Intelligence. 2022.

<https://ebooks.iospress.nl/doi/10.3233/FAIA220335>.

7. ANNEX

Academics with formal adscription to IS.UPC and research activity related:

- Alcaraz Sendra, Olga (<https://futur.upc.edu/OlgaAlcarazSendra>)
- Álvarez del Castillo, Javier (<https://futur.upc.edu/JavierAlvarezDelCastillo>)
- Claret Roca Rosell, Antoni-Maria (<https://futur.upc.edu/AntonimariaClaretRocaRosell>)
- Climent Vilaro, Juan (<https://futur.upc.edu/JuanClimentVilaro>)
- Cuchi Burgos, Alberto (<https://futur.upc.edu/AlbertoCuchiBurgos>)
- De Pablo Ribas, Joan (<https://futur.upc.edu/JoandePabloRibas>)
- Garola Crespo, Àlvar (<https://futur.upc.edu/AlvaroGarolaCrespo>)
- Gibert Oliveras, Karina (<https://futur.upc.edu/karinaGibert>)
- Magrinyà Torner, Francesc (<https://futur.upc.edu/FrancescMagrinyaTorner>)
- Martin Escofet, Carme (<https://futur.upc.edu/CarmeMartinEscofet>)
- Morató Farreras, Jordi (<https://futur.upc.edu/JordiMoratoFarreras>)
- Ribas Romeva, Carles (<https://futur.upc.edu/CarlesRibaRomeva>)
- Roca Bosch, Elisabet (<https://futur.upc.edu/ElisabetRocaBosch>)
- Rosas Casals, Martí (<https://futur.upc.edu/MartiRosasCasals>)
- Sánchez Carracedo, Fermín (<https://futur.upc.edu/FerminSanchezCarracedo>)
- Segalàs Coral, Jordi (<https://futur.upc.edu/JordiSegalasCoral>)
- Sureda Carbonell, Bàrbara (<https://futur.upc.edu/BarbaraSuredaCarbonell>)
- Trullols Farreny, Enric (<https://futur.upc.edu/EnricTrullolsFarreny>)
- Vidal Lopez, Eva (<https://futur.upc.edu/EvaMariaVidalLopez>)
- Villares Junyent, Míriam (<https://futur.upc.edu/MiriamVillaresJunyent>)