

# POSTER PRESENTATIONS

## Another science is possible

1. OTILIA REYES [GSA-P-1] "Women's empowerment through science"
2. KAREN MUSTIN [GSA-P-2] "Inequitable participation of local researchers in English-language research on protected areas in the Amazon"
3. VIRGINIA DOMINGUEZ GARCIA [GSA-P-3] "Equality in Action: Get to know the AEET Equality Commission"
4. SARA VARELA [GSA-P-4] "IIISIBECOL-XVIIAEET conference in numbers"
5. DECOLONIAL PROTOCOL COMITEE INDEPENDENT CREAM WORKERS / JAVIER DE LA CASA [GSA-P-5] "A worker's protocol to align research activities with decolonial practices"
6. MARÍA MAR SÁNCHEZ MONTOYA [GSA-P-6] "Caring for elderly people generates a major gender gap in academic teaching and research staff in Spain"
7. PABLO RODRÍGUEZ LOZANO [GSA-P-7] "Diversity and inclusion on scientific societies: the case of the Iberian Society of Ecology"
8. EVA GLORIA MARTOS NÚÑEZ [TSA.1-P-1] "The plant kingdom and its diversity in education. A systematic review"
9. CARMEN ORTOS [TSA.1-P-2] "Tools in ecological education from the education section of the Spanish Society of Soil Science. Soil Vermicomposting Practical Booklet"
10. ROBERTO MOURENTE [TSA.1-P-3] "Educating on Wildfire at the USC Faculty of Biology"
11. LOURDES MORILLAS [TSA.1-P-4] "Exploring high school students' understanding and epistemic reasoning in organic matter decomposition: Insights from the OrgWASTE citizen science project"
12. MARÍA J. SERVIA [TSA.1-P-5] "It is a community work: using Service-Learning projects in the detection of relevant ecosocial issues and citizen literacy needs"
13. ELISA PIZARRO CARBONELL [TSA.1-P-6] "Beyond outreach: how collaboration between agroecology researchers and teachers can contribute to the transformation needed for sustainable rural development"
14. FRIEDRIKE VOGEL / MARIA SORIA [TSA.1-P-7] "Enhancing public perceptions of urban rivers through immersive citizen science"
15. MARINA TOMÁS-MARTÍN [TSA.1-P-8] "Small is beautiful: Educating on the biodiversity value of temporary ponds in a changing world"
16. LAURA LAGOS ABARZUZA [TSA.1-P-9] "The educational dimension in the conservation of habitats in common land communities: the case of the RURALIXA! project"
17. FRANCISCO JAVIER RODRÍGUEZ-RIGUEIRO [TSA.1-P-10] "GREENCOOP: Driving the Green Transition through Cooperative Models"
18. SARA SÁNCHEZ SÁEZ [TSA.2-P-1] "Testing the use of eBird data to describe seasonal patterns of abundance of waterbirds: the case of the greater flamingo"
19. LOURDES MORILLAS [TSA.2-P-2] "Making the invisible visible: participatory methods to study soil biodiversity"

## Anthropogenic disturbances

1. TATIANA PESSANO SERRAT [TSE.1-P-1] "The role of terrestrial vertebrate scavengers in the utilization of waterfowl hunting carcasses in a Mediterranean wetland"
2. MARÍA GÓMEZ-BRANDÓN [TSE.1-P-2] "Insect frass as a potential organic fertilizer to preserve soil health"
3. MARÍA CARMONA CRUZ [TSE.1-P-3] "What else?" *Pinus pinea*: survivors under extreme conditions. The case of the Llobregat Delta"
4. MIGUEL CÁNIBE IGLESIAS [TSE.1-P-4] "Integrating multiple landscape management strategies to optimize conservation under climate and planning scenarios"
5. Óscar CRUZ [TSE.1-P-5] "Short- and long-term changes after fire in the structure of *Erica australis* L. shrubland in Os Ancares (Lugo)"
6. QUEL VILALTA-CLAPÉS [TSE.1-P-6] "Ground-dwelling spiders respond to post-fire logging strategies: A trait-based analysis in Mediterranean forests"
7. OTILIA REYES [TSE.1-P-7] "Do population characteristics influence the germination response to fire? The case of *Cistus salvifolius* L. and *Cistus psiloseplus* Sweet. from two separate localities"
8. ROBERTO MOURENTE [TSE.1-P-8] "Two sides of the same coin: Germinative response to fire in two *Ericaceae* species"
9. MELANI CORTIJOS LÓPEZ [TSE.1-P-9] "Modelling the effects of post-abandonment strategies on water resources and soil carbon stocks in Mediterranean mountains: application of RHESSys and CarboSOIL"
10. MINERVA GARCÍA CARMONA [TSE.1-P-10] "Recurrent wildfires disrupt soil microbial communities and increase soil carbon emissions in Atlantic shrublands"
11. FRANCISCO ROCHA / MIRIAM MUÑOZ ROJAS [TSE.1-P-11] "Bushfire effects on soil biodiversity and functions across contrasting ecosystems: arid grasslands, peatlands and mediterranean woodlands"
12. FRANCISCO GÓMEZ-PIRIETO [TSE.1-P-12] "Footprints or treads: an experimental assessment of the environmental impacts of trail running and mountain biking in a Mediterranean mountain"
13. ANNA EQUISUANY [TSE.1-P-13] "From Connectivity to Fragmentation: Understanding Biodiversity Patterns in Aquatic Networks"
14. DANI BOIX [TSE.1-P-14] "The role of spatial modularity determining metacommunity composition at local scale"
15. LEONOR CALVO [TSE.1-P-15] "The Multifunctionality Index as an Integrated Measure to Evaluate the Impact of Disturbances on Ecosystem Services"
16. MARCELLO D'AMICO [TSE.1-P-16] "Roadsides as pollinator refuges in agricultural landscapes"

## III SIBECOL & XVII AEET Meeting

Another science is possible: diversity, degrowth, and sustainability in ecological research

17. ANA GONZÁLEZ-ROBLES [TSE.1-P-17] "Aridity and habitat type shape aboveground cavity-nesting solitary bee communities in olive agricultural landscapes"
18. SERGIO MELLADO [TSE.1-P-18] "Preliminary results of the monitoring of the insect community in a periurban section of the Manzanares River (Madrid, Spain)"
19. LUZ VALBUENA [TSE.1-P-19] "Seed germination responses in abandoned semi-natural montane heathlands under laboratory-simulated conditions"
20. SERGIO GILABERT CERDÀ [TSE.1-P-20] "How does forest management affect terrestrial vertebrates? A global review"
21. RUBÉN TARIFA [TSE.1-P-21] "Landscape simplification impact in spiders taxonomic diversity within olive groves"
22. PABLO SOTO GARCÍA [TSE.1-P-22] "Protocols and advice for an integrated management of temporary ponds in peninsular Spain"
23. PELAYO ACEVEDO [TSE.1-P-23] "Land use transformations as drivers of wildlife population trends in mainland Spain"

### More human impact and restoration

1. XAVIER BENITO [TSC.5-P-7] "A Holocene perspective of deltaic pulse events combining paleoecology and Earth System modeling"
2. LUIS ALBERTO MARTÍNEZ VAQUERO [TSB.15-P-1] "Landscape and biodiversity drivers of *Trypanosoma cruzi* infection in wild hosts"
3. RICARDO OLIVEIRA [TSB.15-P-2] "Importance of the leaf conditioning status on litter decomposition in salinized streams"
4. GUADALUPE CORTÉS [TSB.15-P-3] "Long term soil organic carbon changes in Mediterranean organic and conventional dryland arable fields"
5. JOSÉ DANIEL CERDEIRA ARIAS [TSC.2-P-1] "Harvesting and climate impacts on natural bivalves production in intertidal shellfish grounds: A modelling approach"
6. ANTONIO BODE [TSC.2-P-2] "Decadal upwelling variability and changes in new nitrogen sources for coastal ecosystems in NW Spain"
7. ADRIÁN CASTRO-OLIVARES [TSC.2-P-3] "Understanding CO<sub>2</sub>, DIC and pH gradients in the Galician Rias Baixas: Insights from the ACID Project"
8. CARLOS SANZ-LAZARO [TSC.2-P-4] "Extreme storms could limit the expansion of the invasive species *Caulerpa cylindracea* on rocky shores"
9. PHILIP MARTIN [TSE.7-P-1] "Identifying and quantifying biases in forest restoration"
10. LUNA MORCILLO [TSE.7-P-2] "Beyond LIFE TECMINE Project: Innovative techniques for mine restoration in Mediterranean environments. Results, impact and lessons learned"
11. UNAI ORTEGA BARRUETA [TSE.7-P-3] "Forest management practices shape ecosystem service provision and multifunctionality in a protected area"
12. UNAI SERTUTXA [TSE.7-P-4] "The impact of forest plantations on soil microbial communities in Biscay (Basque Country)"
13. ELENA GRANDA [TSE.7-P-5] "Evaluation of the structure, functions, and ecosystem services of abandoned Eucalyptus plantations for their ecological restoration"
14. SAMUEL ALLASIA-GRAU / DANIEL NADAL SALA [TSE.7-P-6] "Evaluating tree planting in Mediterranean drylands: insights from three initiatives in a Europe-wide project"
15. DAVID SÁNCHEZ PESCADOR [TSE.7-P-7] "Spatio-temporal comparative of plant diversity and forest structure of reforestations and reference pine forests in the central Iberian Peninsula"
16. ENRIQUE ANDIVIA [TSE.7-P-8] "Diversification of monospecific stands can enhance the multifunctionality and resilience of forest ecosystems in the Mediterranean mountains"
17. ANA COUSO-VIANA [TSE.7-P-9] "Innovative Agroforestry with AF4EU: Weaving Networks for a Sustainable Future"
18. GABRIELA SANTOS GOMES [TSB.16-P-1] "Beyond borders: Riparian restoration as a key to climate resilience in southern iberian agroecosystems"
19. ALEJANDRO MUÑOZ ESCRIBANO [TSE.2-P-1] "Landscape and water management interaction effect on aquatic biodiversity and pest control in rice"
20. CARMÉ ESTRUCH [TSE.2-P-2] "Predicting and Quantifying Methane Ebullition in Rice Fields Using Machine Learning"
21. ALBA ROMERO DEL MORAL [TSE.5-P-1] "Drivers of multitrophic biodiversity change in abandoned rural landscapes in Aragón"
22. JOSE DANIEL ANADON [TSE.5-P-2] "The paradox of macrorewilding and microdefaunation in a post-agrarian world"
23. PATRICIA FERNÁNDEZ-SOLETO [TSE.3-P-1] "Methodological approach to assess effectiveness of manual and cattle-driven clearing in extensive livestock grazing in the Madrid region (Spain)"

### Cities and pollutants

1. MARTA SUÁREZ / YOLANDA MELERO [GSB-P-11] "Community assembly patterns across butterfly species in urban populations"
2. MONTSERRAT VILÀ [TSE.10-P-1] "Pollinator visits to ornamental plants in urban parks"
3. FIONA COROMINAS GODORI [TSE.10-P-2] "Unveiling the conservation importance of natural habitats in a renaturing city context"
4. ENRICA GARAU [TSE.10-P-3] "Exploring urban nature perceptions in urban semi-arid spaces to inform sustainable urban planning"
5. JAIME FAGÚNDEZ [TSE.10-P-4] "Urban gradient effects on the invasive hornet *Vespa velutina* in the coastal city of A Coruña"
6. LORENA PEÑA [TSE.10-P-5] "Assessment of the urban tree at municipal scale in the Basque Country (Spain)"
7. LUIS MARTÍN [TSE.11-P-1] "The blue city: multicriteria ecological evaluation of freshwater ecosystems"
8. VIOLETA HEVIA [TSB.3-P-1] "Green Infrastructure for Bees: The Role of Spanish Drove Roads"
9. ISABEL FORNER-PIQUER [TSB.6-P-1] "Searching for new candidate biomarkers of environmental pollution: the potential of carboxylesterases"
10. ALBA LUCÍA MARTOS MAESTRE [TSB.6-P-2] "Emerging contaminants on freshwater: A systematic review"

11. ALEJANDRO FIGUEROA-RODRÍGUEZ [TSB.6-P-3] "Evaluating the potential toxicity of weathered agricultural plastics to earthworms and plants"
12. MARINA BRIONES RIZO [TSB.6-P-4] "Plastic Degradation in the Ocean: A Previously Overlooked Source of Volatile Organic Compounds"
13. ONDINA RIBEIRO [TSB.6-P-5] "Exposure of zebrafish embryos to amphetamine and its enantiomers resulted in developmental alterations and neurotoxicity"
14. AARÓN LAGOA [TSB.6-P-6] "Bioplastics ingestion and effects on *Sericoxystoma vittatum* Rambur, 1842 (Trichoptera: Seticostomatidae)"
15. CÁTIA VENÂNCIO [TSB.6-P-7] "Are biobased thermoplastic organosheets an eco-friendly option for manufacturing industries?"
16. RODRIGO J. GONÇALVES [TSB.6-P-8] "Microplastics entering the food web – a preliminary, more realistic test with zooplankton from Patagonia Argentina"
17. RAFAELA REIS [TSB.6-P-9] "Ecotoxicity assessment of bio-based polymers targeting its use as greener alternatives in composites"
18. MARIA COSTA [TSB.6-P-10] "Comparative Toxicity Assessment of Bisphenol A and Its Analogues (BPAF and BPZ) Using Zebrafish (*Danio rerio*) Embryos and Larvae as Model Organisms"
19. ALBA BENITO KAESBACH [TSB.2-P-1] "The impact of microbial diversity loss on the degradation of polymers in marine sediments"

## Conservation

1. ALBERT CARNÉ CONSTANS [GSE-P-1] "A race against extinction: the challenge to overcome the Linnean amphibian shortfall in tropical biodiversity hotspots"
2. IGNACIO MANUEL PÉREZ RAMOS [GSE-P-2] "Unravelling the short- and mid-term effects of climate change on plant community dynamics in Mediterranean dehesas: a functional trait perspective"
3. ANA MARGARIDA COELHO DOS SANTOS [GSE-P-3] "Dung beetle diversity and ecosystem functions in Azorean pastures amid climate change"
4. INÉS M. ALONSO-CRESPO [GSE-P-4] "LivingSoiLL: Healthy Soil to Permanent Crops Living Labs"
5. YAIZA R. LUEJE [GSE-P-5] "The potential impact of non-selective *Vespa velutina* trapping devices in agricultural settings: the case of vineyards"
6. MARÍA J. SERVIA [GSE-P-6] "Big ecological challenges in small wine producing areas"
7. SUSANA PALLARÉS [GSE-P-7] "The hidden Natura 2000 network: protected subterranean species and habitats across Europe"
8. ESTER HERNÁNDEZ CORREAS [GSE-P-8] "Formal education shaping the perception of ecological systems among environmental technicians and managers in Spain"
9. ANTONIO MANUEL MONTOYA RUIZ [GSE-P-9] "Epiphytic lichens as early-warning indicators: Functional trait responses to environmental stressors"
10. JOSE A BLANCO-AGUIAR [GSE-P-10] "Spotting the big predator: exploring the spatial and temporal trends of hunters in Spain"
11. LENA SAIZ CAMPOMAR [TSE.12-P-1] "Insights for restoration of rupicolous endemic plants: evaluating reinforcement techniques for *Petrocoptis* sp. in fragile rocky habitats in northwestern Iberia"
12. SARAY MAÑAS-JORDÁ [TSE.12-P-2] "IberArthro: A free online database compiling taxonomic and distributional data on Ibero-Balearic arthropods"
13. FRANCISCO DE PAULA MOLINA FUENTES [TSE.12-P-3] "Advances in the Knowledge of Apifauna in the Doñana Natural Area"
14. ANTONIO J. GARCÍA-MESEGUER [TSE.12-P-4] "Biodiversity patterns and conservation gaps for continental molluscs in southeastern Iberia"
15. FRANCISCO MIGUEL CORTÉS SÁNCHEZ [TSE.12-P-5] "Integrated assessment framework to estimate the effectiveness of coastal restoration actions in Spain"
16. ISABEL SUÁREZ [TSE.12-P-6] "Assessment of the effect on environmental quality of a Natural Reserve expansion in coastal scrub"
17. DARÍO SAN-SEGUNDO MOLINA [TSE.8-P-1] "Warming-induced spread of emerging crop pests in the Mediterranean Basin and Europe"
18. CARMEN RODRÍGUEZ-CORONADO [TSE.8-P-2] "Effects of soil silica availability and adaptation to silica uptake in the invasive grass *Cortaderia selloana*"
19. IGNACIO LEÓN PINHEIRO [TSE.8-P-3] "Evaluation of water hyacinth biomass use as a potential agricultural enhancer under two water regimes"
20. LUÍS GONZÁLEZ RODRÍGUEZ [TSE.8-P-4] "Physiological integration in *Carpobrotus* spp.: key to invasive success?"
21. ANNA FONTOVA MUSTÉ [TSE.8-P-5] "Dendroecological and genetic evaluation of *Pinus pinaster* plantations affected by *Matsucoccus feytaudi* in eastern Catalonia"
22. NOA NÚÑEZ-GONZÁLEZ [TSE.8-P-6] "How does *Carpobrotus* taxa removal affect vegetation and soil recovery?"
23. EVA MARTÍNEZ VEIGA [GSB-P-12] "Floristic composition and diversity of Galician lowland hay meadows (EU Habitat 6510) in relation to management and conservation"

## Global Change

1. JOSÉ HERRERA RUSSERT [TSB.7-P-1] "Temporal changes in grasshopper community along altitudinal gradient in the central Pyrenees"
2. ARTURO RODRÍGUEZ PASCUAL [TSB.7-P-2] "Functional structure affects community stability: insights from a removal experiment"
3. SEBASTIAN ENRIQUE LÓPEZ PÉREZ [TSB.7-P-3] "The journey of ants: Temporal and spatial dynamics of grassland ant communities along a Mediterranean elevational gradient"
4. ELENA VEGAS LÁZARO [TSB.7-P-4] "The Use of Remote Sensing in Predicting Mushroom Production in Forests of the Iberian Peninsula"
5. MARTA GOBERNA ESTELLES [TSB.7-P-5] "Phylogenetic turnover across community assembly of soil bacterial communities in mining areas"
6. EMMA GÓMEZ PERAL [TSB.7-P-6] "Temporal succession of vegetation after clearing actions in the Gorgebeia SAC"
7. FRANCISCO JAVIER SILVA-PANDO [TSB.7-P-7] "Evaluation of the area and special and temporal variability of edapho-endemism *Centaurea ultriae* Silva-Pando (*Compositae*) and its communities"

## III SIBECOL & XVII AEET Meeting

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8. HENNA TYYSKÄ [TSB.7-P-8] "Density dependence and mycorrhizal strategies: Implications for tropical and subtropical forest dynamics"
9. ÁNGELA SÁNCHEZ-MIRANDA MORENO [TSE.4-P-1] "Anatomical response of cork oak (*Quercus suber* L.) to cork stripping"
10. JUDIT LECINA-DÍAZ [TSE.4-P-2] "Post-disturbance forest reorganization: a synthesis"
11. PALOMA RUIZ BENITO [TSE.4-P-3] "Drought-induced responses of Scots pine along continental Spain: a review of challenges and opportunities for building forest die-off monitoring networks"
12. ANTONIO J. PÉREZ-LUQUE [TSE.4-P-4] "The Spanish Forest decline monitoring database: decaimiento.es"
13. LAURA FERNÁNDEZ DE UÑA [TSE.4-P-5] "Drought and girdling effects on carbon dynamics and tree mortality in a tropical dipterocarp forest"
14. RICARDO DÍAZ-DELGADO [TSE.4-P-6] "Venus satellite images to detect tree decline in Doñana Biological Reserve: patterns and effects"
15. FRANCISCO TOMÁS RIERA [TSE.4-P-7] "Application of thermal and hyperspectral imaging to anticipate forest decay in *Quercus ilex*"
16. DANIEL AGEA PLAZA [TSE.6-P-1] "Effects of Forest Management on Soil CO<sub>2</sub> Fluxes"
17. AITANA IZQUIERDO [TSE.6-P-2] "The role of riparian soils as green nitrogen filters along a Mediterranean river network"
18. NIL ALVAREZ [TSE.6-P-3] "Carbon fluxes in temperate rice fields; comparing organic and conventional farming under different management schemes"
19. ANDRÉS MARTÍNEZ GARCÍA [TSE.6-P-4] "Labile lipids fuels methane ebullition"
20. SERGIO LÓPEZ PADILLA [TSE.6-P-5] "A mechanistic description of methane emission fluxes during lake-overtake in a Mediterranean reservoir"
21. MIGUEL ORTEGA [TSE.6-P-6] "Leaf trait variation within and among species modulates the contribution of plant species richness to ecosystem production"
22. ROGER FIGULS CALVELO [TSE.6-P-7] "Cork Oak, a super-CH<sub>4</sub> emitter tree species"
23. IVÁN PRIETO AGUILAR [GSE-P-11] "Functional Changes in Plant Communities During Post-Wildfire Regeneration"

### Soil and ecosystem functioning

1. CELESTINO QUINTELA SABARÍS [TSB.11-P-1] "Same or different? A comparison of the fungal communities on Casuarinaceae and broadleaf litter"
2. ENRIQUE VALENCIA [TSB.11-P-2] "Plant diversity shapes soil microbial networks under climate change"
3. PAULA LILLO [TSB.11-P-3] "Nematodes under fire: how wildfires reshape soil faunal communities"
4. CARMÉ LÓPEZ SÁNCHEZ [TSB.11-P-4] "Changes in the functional composition of microbial communities after long-term N addition in a beech temperate forest"
5. SILVIA MACIS [TSB.4-P-1] "Mitigating salinity stress in mediterranean wetland plants: the role of native cyanobacteria and bacteria as bioinoculants"
6. RAQUEL MARTINS NOGUEROL / ANTONIO J MORENO PÉREZ [TSB.4-P-2] "The role of halophytes in sustainable land management: effects of abiotic stress on yield and bioactive profiles"
7. ELVA PALACIOS MC CUBBIN [TSB.4-P-3] "Effects of forest thinning practices on fine root traits in non-natural stands of *Pinus pinaster*"
8. LAUREN GREENE [TSB.4-P-4] "Fungi and Fires: Fungal diversity of post wildfire high mountain beech forests at the southern distribution limit (Serra da Estrela, Portugal)"
9. ANA GARCÍA VELÁZQUEZ [TSB.4-P-5] "Effects of sustainable agricultural practices upon extensive environmental variability on nematode communities across diverse production systems in Spain"
10. HÉCTOR HERNÁNDEZ ALONSO [TSB.4-P-6] "Woody litterfall of mixed beech forests overyield pure stands in a temperature gradient"
11. MARIA JOÃO PEDROSA [TSB.4-P-7] "Distinctive fungal communities in neighbor plantations of beech and pine forests in Serra da Estrela, Portugal"
12. INÉS M<sup>a</sup> SÁNCHEZ / LUIS SANTAMARÍA [TSB.4-P-8] "Reduced rainfall increases the impact of grazing pressure on plant production and soil carbon storage in Doñana seasonal grasslands"
13. ÁLVARO LÓPEZ GARCÍA [TSB.4-P-9] "Size-dissected rhizospheric soil microbial communities show functional and compositional shifts through pore-size filtration"
14. JOSÉ ANTONIO CARREIRA DE LA FUENTE [TSB.4-P-10] "N:P stoichiometric shifts induced by N deposition in forests: coupled or uncoupled across organization levels?"
15. EFRÉN ROMERO CABALLERO / ANA SÁNCHEZ-ÁLVAREZ [TSB.4-P-11] "Effect of chickpea (*Cicer arietinum* L.) cultivar diversity on soil microbiota in rainfed cereal-legume rotation"
16. ANTONIO GALLARDO [TSB.4-P-12] "Regenerative agriculture impact on soil carbon and microbial function"
17. JOÃO CANEDO [TSB.4-P-13] "Soil Conservation for Climate Change Mitigation: Effects of Mulch and Biochar on Erosion Control and Organic Matter Losses"
18. JULIÁN TIJERÍN-TRIVIÑO [TSB.9-P-5] "Hydraulic strategies modulate forest productivity responses to hotter droughts"
19. ALEX CAMPILLO DE LA MAZA [TSB.9-P-2] "Groundwater and stream discharge of dissolved organic matter to the Mar Menor coastal lagoon"
20. ISABEL CABEZAS DUEÑAS [TSB.9-P-1] "Carbon and nitrogen fluxes from litterfall to the soil in forest ecosystems in Tenerife"
21. MARIA LOPEZ-ACOSTA [TSB.9-P-3] "Tracing silicon in seagrasses: implications for elemental cycles in the land-ocean continuum"
22. MARÍA LOSADA [TSB.9-P-4] "Does predation risk-induced stress shape winter deer diet in Białowieża Forest?"
23. NURIA FERREIRO-DOMÍNGUEZ [TSE.3-P-2] "SUS-SOIL: Promoting Sustainable Soil and Subsoil Health through Agroecology for a Thriving Future"



## Species interactions

1. MIGUEL MANSO ARRIBAS [TSB.1-P-1] "Shrubs induce floristic composition changes in post-mining pastures"
2. FRANCISCO RODRÍGUEZ-SÁNCHEZ [TSB.1-P-2] "FRUSEED: a global, open, dynamic, reproducible database of fruit and seed traits and plant dispersal modes"
3. ICIAR JIMÉNEZ-MARTÍN [TSB.1-P-3] "Impact of foraging in landfills on the community of plants dispersed by white storks"
4. JULIAN WINSTON ZELLER [TSB.1-P-4] "Microplastics modulate the effects of facilitation of nurse species on annual plant communities in semiarid regions"
5. SERGIO NÚÑEZ CASTILLO [TSB.1-P-5] "Unraveling the influence of climate and competition on forest structure in mixed pinus stands"
6. ANA DE TORRE SÁEZ [TSB.1-P-6] "Influence of shrub vegetation patches on the Family's abundance of post-mining pastures"
7. RODRIGO GRANJEL [TSB.1-P-7] "How does warming affect the coexistence mechanisms of recovering communities?"
8. JESÚS M. BASTIDA [TSB.1-P-8] "Altitudinal decoupling between recruitment optima and plant abundance suggests contrasting responses of woody species in the Mediterranean to the impacts of global warming"
9. LUCIANA JAIME [TSB.1-P-9] "Pathogenic interaction between canopy and regeneration in *Pinus nigra* forests"
10. ALEXANDRA DÍAZ-ALONSO [TSB.1-P-10] "Seasonal and spatial variability of the negative effect of *Zostera marina* exudates on the toxic dinoflagellate *Alexandrium minutum*"
11. GABRIELLA LIMA TABEL CRUZ [TSB.13-P-1] "Predictive modelling of zoonotic microparasites for potential host species and geographical areas through joint species distribution analysis"
12. LUIS J. CHUECA [TSB.13-P-2] "Temporal trends in gut microbiota composition of *Bombus pascuorum* wild bee at Gorbea Natural Park (Northern Iberian Peninsula)"
13. EVA TEIRA [TSB.13-P-3] "Contrasting diversity and succession patterns in leaf and root microbiome of two nearby temperate *Zostera marina* meadows"
14. VÍTOR MIGUEL COSTA-SILVA [TSC.3-P-1] "The complex dynamics of ant-plant mutualisms: exploring the role of plant resource availability for ants and intraguild predation by birds on plant fitness"
15. ASIER RODRÍGUEZ LARRINAGA [TSC.3-P-2] "Diterpene chemotypes in *Pinus pinaster*: detection and quantification by airborne hyperspectral imagery"
16. JORDI BARTOLOMÉ [TSC.4-P-1] "First demographic data on the European bison in Spain"
17. JOSÉ CARLOS MUÑOZ-REINOSO [TSC.4-P-2] "Retama monosperma seed dispersal by four natives herbivorous in Doñana National Park"
18. LYDIA CRUZ-AMO [TSC.4-P-3] "Destocking of extensive livestock impacts regional primary production"
19. AINHOA URKIO LETONA [TSC.4-P-4] "Livestock behaviour in different Management Units from the Gorbea Special Area of Conservation"
20. FRANCISCO CARRO [TSC.4-P-5] "Introduced red deer in the National Park of As Illas Atlánticas and their impact on ecosystem management and conservation"
21. MIGUEL BUGALHO [TSC.4-P-6] "Effects of deer on the functioning of Mediterranean oak woodlands: carbon, water and fire"

## Evolution

1. VANESSA ALVAREZ LOPEZ [GSD-P-1] "Implementation of (aided)phytoextraction in Pb/Zn mine tailings using hyperaccumulators intercropped with leguminous"
2. EVA CASTELLS [GSD-P-2] "Chemical convergence of specialized metabolites in native and invasive populations supports rapid evolution driven by aridity"
3. ALBERTO CIRERA SANCHO [GSD-P-3] "How much area do rock cliffs occupy? From 2D maps to 3D surfaces"
4. FRANCISCO PERFECTI [GSD-P-4] "Unveiling the genetic basis of floral seasonal phenotypic plasticity in the *Moricandia* genus"
5. LUCAS BUFFAN [GSD-P-5] "Continent-scale macroevolutionary insights from the last 23 million years of South American mammalian diversity"
6. ANDREA MIRA JOVER [GSD-P-6] "Taking advantage of the evolutionary slowness of chelonians: scanning the first genome of the *Testudo* genus"
7. JERÓNIMO CID [GSD-P-7] "Adaptation to drought following anthropogenic selection release: the case of *Phoenix atlantica*, a wild relative/feral derivative of the date palm crop (*Phoenix dactylifera*)"
8. MARIO MARQUETA [TSD.1-P-1] "White-tailed Eagles (*Haliaeetus albicilla*) across ecosystems and time: Taphonomic and ecological insights from the Finnish archipelago to the Early Pleistocene Sima del Elefante site (Atapuerca)"
9. ADRIÁN CASTRO-INSUA [TSD.1-P-2] "Some, but not all processes biasing the fossil record decrease functional and taxonomic space"
10. IVÁN REY-RODRÍGUEZ [TSD.1-P-3] "Small mammals as palaeoecological proxies: ecological specialization and evolutionary trends"
11. BEATRIZ TREJO [TSD.1-P-4] "Spatial distribution of large mammals during the Late Pleistocene in the upper valley of the Lozoya River (Madrid, Spain)"
12. MARÍA PÉREZ-SERRANO SERRANO / PABLO TEJERO IBARRA [TSD.1-P-5] "PHYLOPYR: Reconstructing the phylogeny of Pyrenean angiosperms"
13. ANTONIO ARCHIDONA YUSTE [TSD.1-P-6] "Soil chronosequence helps you to understand the multidimensional variation and evolution of soil nematodes. An opening with the genus *Xenocricconemella* in the Iberian Peninsula"
14. MARCO MIGUEL ARONES ABAD [TSD.1-P-7] "Evaluating the Middle to Upper Paleolithic transition at the Cova Eirós site (Lugo, Galicia, Spain) through estimates of carrying capacity and meat availability"
15. HUGO BAL-GARCÍA [TSD.1-P-8] "Terrestrial Mammals as a Climatic and Environmental Indicator: Insights from the Archaeopaleontological Site of Cova Eirós (Triacastela, Lugo, NW Iberia)"

## III SIBECOL & XVII AEET Meeting

Another science is possible: diversity, degrowth, and sustainability in ecological research

16. GRACIELA SOTELO [TSD.1-P-9] "The impact of fossil biases on phylogenetic inferences: a simulation approach using mammals"
17. MARÍA ARANGUREN-GASSIS [TSD.2-P-1] "Evolution of thermal tolerance in marine diatoms: Metabolic strategies under heat stress"
18. DAVID DÍAZ-MULERO [TSD.3-P-1] "Exploring the role of selection for yield and seed size on the evolution of leaf traits in *Brassica rapa*"
19. WENDY FERNÁNDEZ PUJÓ [TSD.3-P-2] "Does temperature affect reproductive behaviour in male three-spined sticklebacks?"
20. HERNÁN CAMILO INSUASTI ASTUDILLO [TSD.3-P-3] "When the wilderness calls: evolution by feralization in almond (*Prunus dulcis*)"
21. MELISSA VIVEIROS MONIZ [TSD.3-P-4] "Genomic Insights into Local Adaptations and Drought Resilience in *Quercus suber* across its Latitudinal Range"
22. JESUS VILLELLAS [TSD.3-P-5] "Genetic and plastic responses to water stress in native and introduced populations of *Plantago lanceolata*"
23. ALEJANDRO LLANOS GARRIDO [GSD-P-8] "The influence of thermal resource aggregation on the genetic dynamics in a fragmented lizard population"

### Variation and variability, traits and environment

1. DAVID GARCÍA-CALLEJAS [TSB.14-P-1] "Beyond community weighted mean: quantifying trait distributions for detecting community assembly patterns"
2. ENRICO TORDONI [TSB.14-P-2] "Filling the gaps: evaluating the accuracy and impacts of trait imputation across taxonomic groups"
3. HUGO SAIZ [TSB.14-P-3] "Using seed biodiversity and traits for ecosystem restoration"
4. ANGELA ILLUNINATI [TSB.14-P-4] "New perspectives on plant community assembly through the lens of Vis-NIR Spectroscopy: from between- to within-species interactions"
5. VANESA PALMA-VALENCIA [TSB.14-P-5] "Exploring the functional traits and landscape configuration that promote species colonization in temperate forests"
6. ARANTZAZU L. LUZURIAGA [TSB.14-P-6] "Phylogenetic and functional diversities offer complementary information to disentangle species assembly processes in experimental gypsophilous annual plant communities"
7. NATALIA SIERRA CORNEJO [TSB.14-P-7] "Fine root biomass and functional traits of woody plants at ecosystem level in forest and shrublands in Tenerife, Canary Islands"
8. CARLOS M. HERRERA MALIANI [TSD.4-P-1] "Intraplant variation in floral temperature of the summer-blooming thistle *Centaurea calcitrapa* (Asteraceae)"
9. JORDI VOLTAS VELASCO [TSD.4-P-2] "How do neutral and adaptive processes affect the genetic and plastic components of intraspecific variability in a wide-spread conifer?"
10. ANA CARVALHO [TSD.4-P-3] "Morphological and physiological responses of three pine species to drought and resin yield"
11. JULIA SANCHEZ VILAS [TSD.4-P-4] "Intraspecific variability in seed weight and viability, and seedling growth in the narrow endemic *Iberodes littoralis* subsp. *gallaecica*"
12. MARGAUX DIDION-GENCY [TSD.4-P-5] "Living on the Edge: Exploring the patterns and mechanisms of thermal acclimation in Mediterranean shrublands"
13. ERICA LOMBARDI [TSD.4-P-6] "Predicting pine resin investment through aerial multispectral imaging"
14. IRENE ESPINOSA-MANJÓN [TSD.4-P-7] "Basal metabolic rate constraint home range size in a wild rodent"
15. JUDIT RODRIGO NAVARRO [TSB.10-P-1] "The resilience of the Canarian Laurel Forest: 12,000 years of fire history in Garajonay National Park (La Gomera)"
16. MARCO J. CABRERIZO [TSB.10-P-2] "Fluctuating temperature regime and cell size modulates the phagotrophy-phototrophy trade-off in mixoplanktonic protists"
17. JOSÉ A. HODAR [TSB.10-P-3] "Home is not enough: nest boxes do not increase bird density for pine processionary moth control in pine plantations"
18. KARIM SENHADJI NAVARRO [TSB.10-P-4] "Pursuing a pest uphill: how do pine processionary moth parasitoids behave in a global warming scenario?"
19. MARTIN SOUTO [TSB.10-P-5] "Desmid Diversity and Community Structure Across Azorean Archipelago Lakes"
20. ROMINA ALVAREZ-TRONCOSO [TSB.10-P-6] "Study of Habitats and Aquatic Macroinvertebrate Communities in the Lagares River: Assessment of Ecological Status and Habitat Survey"
21. TANIA AGUILAR VALLADARES [TSB.10-P-7] "Macroinvertebrates of Aysén: Diversity, distribution, and New Species in Unique Aquatic Ecosystems of Southern Chile"
22. JUAN GARCÍA-DURO [GSC-P-1] "Regenerative traits dynamics and interplay in post-fire-shrublands of NW Spain"
23. GERARD CODINA MARTÍNEZ [TSB.12-P-1] "Wildfire effect on climatic disequilibrium of understory community of *Pinus halepensis* forests"

### Space and time, species and communities

1. DANIEL IRIMIA YÁÑEZ [GSB-P-1] "A Late Winter's Tale: Environmental effects on dormant carbon reserves and earlywood formation in *Quercus robur*"
2. OLIVIA GARCÍA [GSB-P-2] "Acorn desiccation differences in European oaks: relation to species ecology and acorn structure"
3. MARÍA JOSÉ TENOR ORTIZ [GSB-P-3] "Comparative Analysis of Airborne Phytopathogenic Spores in Olive Groves Across the North and South of the Iberian Peninsula"
4. ELIOT MOMPEÁN ASÍS [GSB-P-4] "Desiccation risk in recalcitrant seeds of *Quercus* species in the fall: does dispersal timing matter?"
5. GONZALO PÉREZ DE LIS CASTRO [GSB-P-5] "Effects of winter conditions on the functional lifespan of xylem conduits in evergreen and deciduous oaks"
6. CLARA SÁEZ [GSB-P-6] "Evaluation of temporal trends in the ecological status of Iberian rivers"

7. PILAR DE PABLO TOBAJAS [GSB-P-7] "*Light-dependence of seagrass performance and upper thermal limits*"
8. MARIA ANGELES PEREZ NAVARRO [GSB-P-8] "*Lost in space: When spatial scale terms blur actual study size in plant ecology*"
9. JESÚS SÁNCHEZ DÁVILA [GSB-P-9] "*Recent water cycle changes in Spanish forests are driven by stand structure more than climatic changes*"
10. PEDRO ABELLÁN [GSB-P-10] "*Understanding the uniqueness of macroinvertebrate communities in alpine lakes from a multidimensional niche perspective: the ALPINEPONDS project*"
11. CRISTINA GARCÍA FERNÁNDEZ [TSB.12-P-2] "*Revealing spatio-temporal Spawning Patterns of European Hake in Atlantic Iberian waters*"
12. CINTHIA SAYURI YOSHIZAWA TAKEDA [TSB.3-P-2] "*Which perspective is taken when studying the matrix effects on landscapes functional connectivity for plant species?*"
13. MARÍA MAR SÁNCHEZ MONTOYA [TSB.8-P-1] "*The terrestrial invertebrates of non-perennial rivers and their key role as dry-phase indicators of ecological quality*"
14. NEREA CAZÁS FRAGA [TSC.5-P-1] "*Coastal wetlands dynamics in Ría de Vigo during the Holocene transgression: is the onshore and subtidal palaeoevidence able to capture the main stages of change?*"
15. CASTOR MUÑOZ SOBRINO [TSC.5-P-2] "*Estimation of the biodiversity changes in Ría de Vigo during the Holocene using terrestrial and marine remains from fluviomarine sediments*"
16. CÉSAR MORALES DEL MOLINO [TSC.5-P-3] "*Palaeoecological evidence reveals the 'unexpected' history of the iconic Montejo beechwood*"
17. ORIOL LLUCH OMS [TSC.5-P-4] "*Sharp decrease of snowbed specialists in the catalan Pyrenees in 20 years*"
18. LEA DE NASCIMENTO [TSC.5-P-5] "*The value of time: understanding the long-term fate of island summit ecosystems*"
19. JUAN PASCUAL [TSC.5-P-6] "*When You Lose in Hake, but Gain in Herring*"
20. ADRIÁN ESCUDERO [GSC-P-2] "*A longstanding coexistence between pine and oaks: Phylogenetic congruence or not?*"
21. PABLO FERRANDIS GOTOR [GSC-P-3] "*Assessing the contribution of deterministic vs. stochastic processes to local plant species assembly: a field experiment in a gypsum system*"
22. MARA MACHADO [GSC-P-4] "*Modelling the patterns of use of space and dominant behaviours of a *Geomalacus maculosus* population core: influence of habitat and climate*"
23. GUILLERMO VELO-ANTÓN [GSC-P-5] "*Bird and mammal communities across a gradient of forest integrity: native oak forests, intensive eucalypt plantations, and mixed habitats in between*"

### New technologies, new discoveries

1. MARTA ROMÁN GEADA [GSF-P-1] "*Discrimination of intertidal goose barnacle from in situ hyperspectral signatures*"
2. CRISTINA RONQUILLO FERRERO [GSF-P-2] "*OCCUR app: an interactive guide for curating species occurrence records*"
3. NÚRIA AQUILUÉ JUNYENT [GSF-P-3] "*Co-designing agroforest resilient landscapes: participatory processes and multi-objective planning*"
4. DIEGO E. JIMÉNEZ-LALANA [GSF-P-4] "*A.I. for Biodiversity: Bringing Biodiversity Collections to the Digital Age*"
5. ZELTIA LÓPEZ GALLEGGO [TSF.1-P-1] "*Mapping Ecoacoustics Projects in Spain: Progress, Biases, and Challenges*"
6. CLAUDIA MARTÍNEZ-MEGÍAS [TSF.2-P-1] "*Terrestrial habitats mapping: improvement of lotic habitat cartography at the state level*"
7. ANTONIO VELASCO RODRÍGUEZ [TSF.2-P-2] "*Analysis of the Mediterranean oak forests resilience to extreme climate change events in Andalucía (Spain)*"
8. CAROLA GÓMEZ-RODRÍGUEZ [TSF.3-P-1] "*Congruence between species abundance and genetic diversity across epiphytic coleoptera families in the NW of the Iberian Peninsula*"
9. GURUTZETA GUILLERA ARROITA [TSF.3-P-2] "*Identifying practical model selection strategies for dynamic occupancy models*"
10. MARIA VIVES-INGLA [TSF.3-P-3] "*Novel regimes of extreme climatic events trigger negative population rates in a common insect*"
11. VÍCTOR GÓMEZ-DEL CAMPO [TSF.3-P-4] "*Catch dynamics and hyperstability in an exploited stalked barnacle stock with the use of depletion models*"
12. JORGE GONZÁLEZ LE BARBIER [TSF.3-P-5] "*Modelling the area of occupancy of habitat types at different successional stages*"
13. HERLANDER LIMA [TSF.4-P-1] "*sabinaHSBM: An R package for link prediction and network reconstruction using Hierarchical Stochastic Block Models*"
14. PAULA WARREN JIMÉNEZ [TSF.4-P-2] "*How to measure Co2 fluxes in very shallow water sheets?*"
15. JULÉN ASTIGARRAGA [TSF.4-P-3] "*Estimating and mapping stand age distributions across 10 European countries*"
16. MARCOS FONTELA [TSF.4-P-4] "*BOGAR: An Integrated DIY oceanographic solution observing Galicia surface waters*"
17. ARIADNA MARTÍNEZ-DÍOS [TSB.2-P-2] "*Statistical tools and machine learning algorithms to uncover the ecological organization of Mediterranean Cold-Water Coral Reefs*"
18. PAULA CARA ABAD [TSB.5-P-1] "*Spatiotemporal dynamics of water uptake sources in a Scots pine forest at the southerneastern Pyrenees*"
19. TERESA GIMENO [TSB.5-P-2] "*Reconciling water-use efficiency estimates across scales under future climate change scenarios using phloem carbon isotopic composition*"
20. CLARA MALUENDA GARÍN [TSB.5-P-3] "*Functional strategies and water use in plant communities in sub-Mediterranean zone*"
21. CRISTINA ANTUNES [TSB.5-P-4] "*How do hydrological conditions influence plant water source partitioning in coastal dunes?*"

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