



Restoring Nature, Reconnecting People



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Welcome

Restoring nature,
reconnecting people



Welcome to the 13th European Conference on Ecological Restoration! Welcome to SER Europe 2022!

The Society for Ecological Restoration (SER) is the professional Society of reference in the field of ecological restoration. It promotes the science, practice, and policy of ecological restoration to protect biodiversity, improve adaptation to climate change, mitigate its effects, and restore a healthy relationship between nature and society. For three decades, SER has given voice to this discipline and provided leadership in all aspects of its development. The European Chapter of the Society, acquaints hundreds of experts and organizational members in 37 countries, and has affiliated organizations in 6 of them.

These are crucial times for ecological restoration in Europe and globally. Ecological restoration is essential to combat climate change, protect biodiversity and reverse desertification, and thus contribute to human wellbeing. Under the UN Decade of Ecosystem Restoration (2021-2030) and the EU Biodiversity Strategy for 2030, we can reverse the global environmental crisis, and give Anthropocene a chance. Yet, to obtain all the benefits that ecological restoration can provide and ensure a fair distribution of wealth, we must promote its practice and strive to increase the quality of restoration programs. Bridges between science, practice and policy must be built, based on scientific excellence, to better understand socio-ecological systems and their management.

SERE2022 represents an excellent opportunity to foster efficient reciprocal exchanges between managers, decision and policymakers and the academia across Europe. It is also the place where experts from different restoration sectors (forests, wetlands, rivers, agroecosystems, marine areas, urban environments, extractive industries, etc.) have the unusual chance to sit together and learn from each other.

There are many reasons to meet in Alicante, including high levels of biodiversity, long history of interactions between humans and nature, nice examples of socio-ecological co-evolution, the combination of land and sea, and the long history of actions to combat degradation and desertification. Last, but not least, the strong commitment of the government of the Region of Valencia and the Spanish government with ecological transition and ecological restoration.

For one week, we will gather in Alicante to assess recent advances in the theory and practice of ecological restoration and discuss future priorities. We invite you to take full advantage of the many events that will be organized under the umbrella of SERE 2022 and contribute to build the European leadership in ecological restoration.

JORDI CORTINA-SEGARRA
Chair SER Europe
University of Alicante

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- Organizing Comittee



Jordi Cortina Segarra
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University of Alicante



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Ramón Vallejo Calzada
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- Scientific Committee



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Kristin Svavarsdottir
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Iceland



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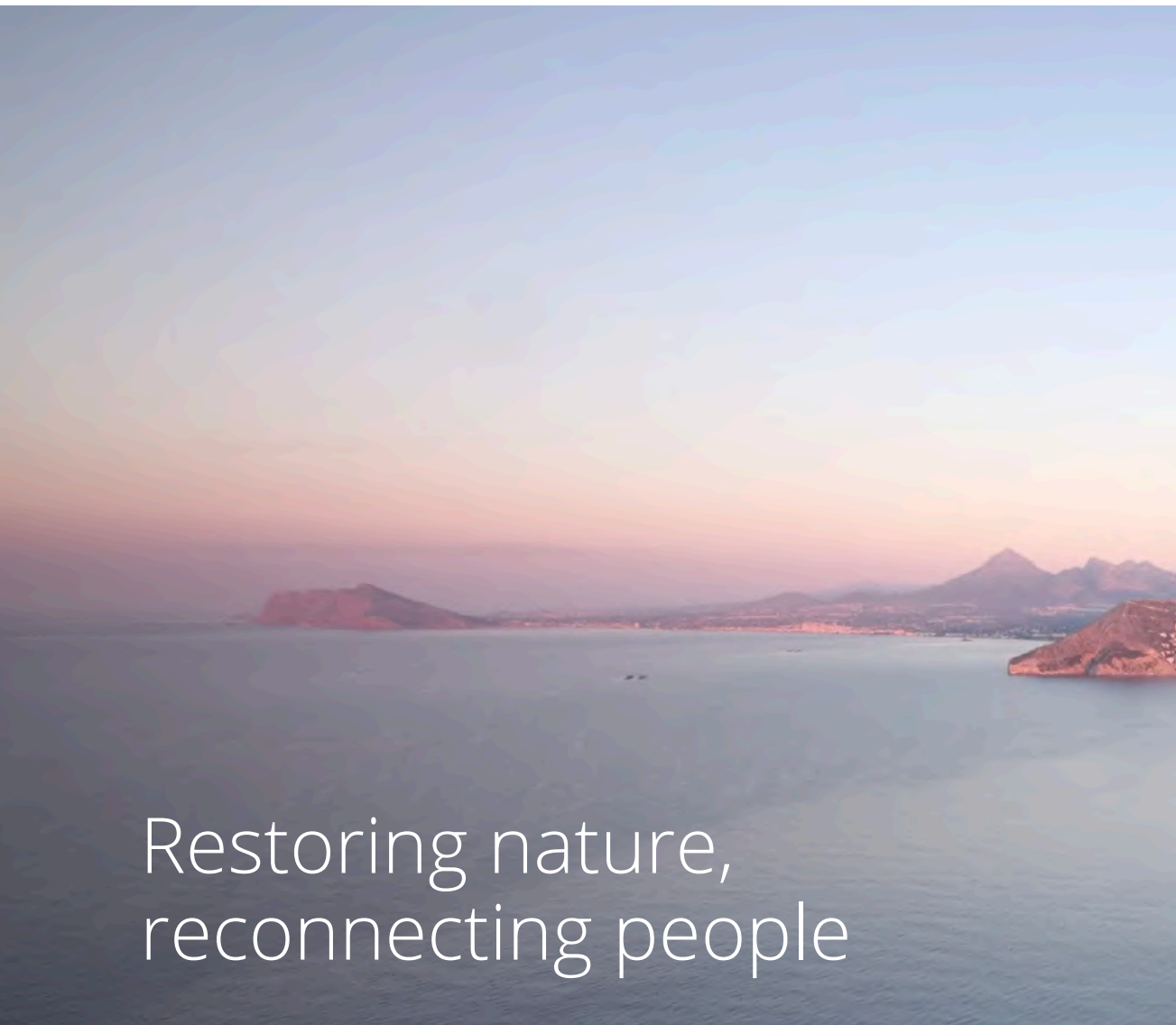
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Monday, 5th September 2022

Programme



Restoring nature, reconnecting people

8.30-17.00 | Pre-Conference Courses

**(Aulari II - General Lecture Hall II, University of Alicante)
Room: Seminar of Ecology (Sciences Faculty II, UA)**

**8.30-13.30 - 15.00-17.00
Introduction to Soil and Water Bioengineering for ecological restoration.
Sangalli P., Arizpe D. & Pirrera G.**

Room: A2/E22 (Aulari II - General Lecture Hall II)

**8.30-11.30 - 13.30-16.30
Prioritizing restoration areas using Spatial Multicriteria Analysis. Mchich Derak & Jordi Cortina-Segarra**

17.00-18.00 | Restoring nature, reconnecting people: the 13th European Conference on Ecological Restoration for beginners

(Room: Rafael Altamira - Seu Ciutat d'Alacant, Alicante city centre)

17.00 | Registration and delivery of documentation (Panoramis Terrace, Alicante city centre)

19.00-21.00 | Welcome party (Panoramis Terrace, Alicante city centre)

Welcome addresses by:
Dr. Jordi Cortina, Chair European Chapter, Society for Ecological Restoration and SERE 2022 Conference organizer.

Dr. James Hallett, Chair of the Board of Directors, Society for Ecological Restoration.

Dr. Cara Nelson, Leader Ecosystem Restoration Thematic Group, Commission on Ecosystem Management, IUCN.

Mr. Stefan Leiner, Head of Unit Natural Capital & Ecosystem Health (ENV.D.2) Directorate-General for Environment, European Commission.

Mr. Manuel Villar, Deputy Mayor and Councilor for the Environment, City Council of Alicante.

Dr. Amparo Navarro, President of the University of Alicante.

Cocktail

Exhibition of traditional Alicante music, folk dances, and costumes.

Tuesday, 6th September 2022

Programme

Main Hall Aulari II - General Lecture Hall II, University of Alicante
08.30 | Registration and delivery of documentation

Sala d'actes

Aulari II - Auditorium General Lecture Hall II, University of Alicante

9.15-10.00 | Opening ceremony

9.15 | Salutation. Juan Mora, Vicerrector de la Universidad de Alicante (Deputy President of the University of Alicante).

9.20 | Welcome address. Jordi Cortina-Segarra, Chair of SER Europe

9.30 | Introducing online speakers. Juan Mora, Vicerrector de la Universidad de Alicante (Deputy President of the University of Alicante).

9.35 | Welcome address. Mireia Mollà, Consellera d'Agricultura, Desenvolupament Rural, Emergència Climàtica i Transició Ecològica de la Generalitat Valenciana (Secretary of Agriculture, Rural Development, Climate Emergency and Ecological Transition of the Regional Government of Valencia)

9.40 | Welcome address. Hugo Morán, Ministerio para la Transición Ecológica y el Reto Demográfico del Gobierno de España (Secretary of State for the Environment, Ministry for the Ecological Transition and the Demographic Challenge, Government of Spain)

9.45 | Welcome address. Virginijus Sinkevičius (online) (Commissioner D.G. Environment, Oceans and Fisheries)

9.50 | Official inauguration. Juan Mora, Vicerrector de la Universidad de Alicante (Deputy President of the University of Alicante).

10.00-10.30 | Stefan Leiner (EC) - Chair: Anne Tolvanen

10.30-11.15 | Plenary 1. Towards a Decade of Social-Ecological Restoration. Fischer, Joern - Chair: Anne Tolvanen

11.15-11.45 | Coffee

11.45-14.00 | W4. Rewilding: challenges and opportunities.

Chair: José M. Rey Benayas

11.45-12.00 | Rewilding agricultural landscapes.- Rey Benayas, José M.

12.00-12.15 | Exploring the potential for rewilding in Spain.- Palau-Puigvert, Jordi

12.15-12.30 | Scaling up rewilding. Nature as our ally in socio-economic challenges.- Helmer, Wouter

12.30-12.45 | Psychological and ecological potential of rewilding in different continents.- Jiménez, Ignacio

12.45-13.00 | Restoration of wild reindeer (Rangifer tarandus tarandus) ranges in Norway.- Gundersen, Vegard

13.00-13.15 | Evaluation of the habitat of Lynx rufus (Schreber, 1777) in two windfarms of Tamaulipas, Mexico.- Sarmiento-Muñoz, Tania

13.15-13.30 | Assessing the ecological suitability of the Irish landscape for the Eurasian lynx (Lynx lynx).- Guilfoyle, Colin

13.30-13.45 | Using a Restoration Diagnostic tool to assess barriers and opportunities to restoration: Experience of the Endangered Landscapes Programme .- Thomas, David

13.45-14.00 | Large-scale rewilding of European landscapes: concepts, monitoring and scenarios.- Nestor Fernández

13.45-15.00 | Lunch

15.00-15.45 | Plenary 2. The United Nations Decade on Ecosystem Restoration: an opportunity to upscale restoration and to share good practices in Europe by 2030.- Besacier, Christophe - Chair: Kristín Svavarsdóttir

15.45-17.45 | S5. Restoration Monitoring. Chair: Susana Bautista

15.45-16.00 | Evaluation of the restoration of formerly dyked marshes, using the recovery wheel 2.0.- Gallet, Sébastien

16.00-16.15 | Vegetation succession in abandoned fields: chronosequence data verified by permanent plots.- Rehoukova, Klara

16.15-16.30 | Social-ecological post hoc assessment of ecosystem restoration from a system archetype perspective.- Pacheco-Romero, Manuel

16.30-16.45 | Ecosystem composition, structure and function of afforested areas in Portuguese drylands.- Köbel Batista, Melanie

16.45-17.00 | Gathering knowledge on ecological restoration practices in European forest ecosystems.- Rubio Cuadrado, Álvaro

17.00-17.15 | Challenges in Monitoring Tree Survival and Development.- Dwyer, Edward

17.15-17.30 | Assessing the impact of post-fire restoration interventions using spectral vegetation indices: A case study in El Bruc, Spain.- Dorado Guerrero, Bernat

17.30-17.45 | How remote sensing choices influence monitoring and evaluation results of ecological restoration.- Willemen, Louise

Tuesday, 6th September 2022

Programme

A2/SOTANO room, Aulari II - General Lecture Hall II, University of Alicante

11.45-13.45 | W1. Enhancing capacities for effective ecosystem restoration throughout the UN Decade and beyond. *Facilitators: James G. Hallett (SER) & Cara R. Nelson (IUCN CEM & University of Montana)*

11.45-11.53 | Opening: Key gaps and capacity priorities for restoration to support the United Nations Decade on Ecosystem Restoration – *Besacier, Christophe (FAO)*

11.53-12:00 | Development of a Capacity, Knowledge and Learning Action Plan for the UN Decade – *Chazdon, Robin (Forestation International)*

12.00-12:20 | Proposed flagship products that could be elaborated in the context of the UN Decade – *Chazdon, Robin (Forestation International) and Andrea Romero (FAO)*

12:20-13.20 | Small group discussions on proposed flagship products

13.20-13.40 | Participants comments

13.40-13.45 | Closing remarks. *Besacier, Christophe (FAO)*

13.45-15.00 | Lunch

15.45-17.45 | W3. Developing Guidance for Effective Ecosystem Restoration. *Facilitators: Boze Hancock (TNC), Emanuela Weidlich (Leuphana University), George Gann (SER & Institute for Regional Conservation), Robin Chazdon (Forestation International) & Victoria Gutierrez (Commonland)*

15.45-16.10 | Opening plenary

- **Welcome and goals of the session -** *Andrea Romero (FAO)*

- **Background and development of Standards of Practice for Ecosystem Restoration -** *James G. Hallett (SER)*

- **Introduction to participant exercise -** *Cara R. Nelson (IUCN CEM & University of Montana)*

16.10-17.20 | Small group discussions

17.20-17.45 | Closing plenary

- **Participant comments**

- **Closing remarks,** *Christophe Besacier (FAO)*

A2/D02 room, Aulari II - General Lecture Hall II, University of Alicante

11.45-13.45 | W8. Ecosystem health, ecological restoration, and human health: let's identify and strengthen the linkages. *Chair: Aronson, James*

Prof. Ása Aradóttir

Dr. Katalin Torök

Dr. Melinda Halassy

Dr. Þórunn Wolfram Pétursdóttir

Dr. Eric Bourguignon

13.45-15.00 | Lunch

15.45-17.45 | W11. Mind Your Language! Restoration, Regeneration or Rewilding? What is the best way to communicate conservation strategies to the public? *Chair: Woodworth, Paddy*

Woodworth, Paddy

Aronson, James

Peláez, Sara

17.45-19.15 | Coffee + posters

Tuesday, 6th September 2022

Programme

A2/C4 room, Aulari II - General Lecture Hall II, University of Alicante

11.45-13.00 | W6.1 Education and Training in Ecological Restoration: Restoring hope – opportunities for international and inter-generational knowledge exchange. *Chair: Rodríguez González, Patricia María*

11.45-11.50 | Introduction

11.50-12.10 | Wanted! Chief Ecosystem Orchestrators. - *Moolenaar, Simon Willem*

12.10-12.25 | WWF Spain experience on participation in ecological restoration. - *Melero de Blas, María*

12.25-12.40 | Facing-Fire: service learning for education and training in wildfires. - *Peña Molina, Esther*

12.40-13.00 | Knowledge transfer among sectors to improve good practices in European riparian restoration. - *Rodríguez González, Patricia María*

13.45-15.00 | Lunch

15.45-16.45 | W6.2 Education and Training in Ecological Restoration: Restoring hope – opportunities for international and inter-generational knowledge exchange. *Chair: Rodríguez González, Patricia María*

15.45-16.00 | Challenges and opportunities for international collaboration in ecological restoration learning from experiences in Puerto Rico. – *Kaufman, Breanna*

16.00-16.15 | YoungER's on the road for restoring ecosystems. - *Poalinelli Reis, Bruna*

16.15-16.30 | Experiences sharing: How YoungER's are contributing to education and training in ecological restoration. - *Poalinelli Reis, Bruna*

16.30-16.45 | YoungER Opportunity Board. - *Fraga Dornellas Cysneiros, Luísa*

16.45-17.15 | Discussion- opportunities for international and inter-generational knowledge exchange. - *María Nolan & YOUNG#ER*

17.45-19.15 | Coffee + posters

A2/D03 room, Aulari II - General Lecture Hall II, University of Alicante

11.45-12.15 | E4. MITECO. The Spanish National Restoration Plan within the framework of the National Strategy on Green Infrastructure. *Manuel Oñorbe*

12.15-12.45 | E11. European Investment Bank initiatives on ecological restoration. *Stephen Hart*

12.45-13.15 | E2. Living Building Challenge: A Visionary Path to Regenerative Buildings. *Júlia Perez Torres*

13.15-13.45 | E13. The International Network for Seed-based Restoration (INSR): A SER Section. *Emma Ladouceur*

13.45-15.00 | Lunch

15.45-16.15 | E9. Presentation of SERIAC, the new Iberoamerican and Caribbean chapter of the SER. *Pilar Andrés*

16.15-16.45 | E12. Struggling for climate neutrality in Europe: carbon sequestration as an opportunity for large scale restoration of agricultural soils. *Pilar Andrés*

Wednesday, 7th September 2022

Programme

Main Hall Aulari II - General Lecture Hall II, University of Alicante

08.30 | Registration and delivery of documentation

Sala d'actes - Aulari II - Auditorium

General Lecture Hall II, University of Alicante

8.30-9.15 | Plenary 3. The European Green Deal and Systemic approaches to Nature Restoration. *Bruyninckx, Hans*
Chair: Aveliina Helm

9.15-11.15 | S1.1 Restoration measures for landscape connectivity and implementation of Green Infrastructure. *Chairs: Jiménez Franco, María Victoria and Rodríguez-Caro, Roberto C.*

9.15-9.30 | Learning from secondary succession to assist in the restoration of semi-arid oldfields in SE Spain.- *Robledano Aymerich, Francisco*

9.30-9.45 | Amphibian road mortality in Spain: SAFE Project and other initiatives of AHE.- *Caballero Díaz, Carlos*

9.45-10.00 | Rehabilitation of bog woodlands and alluvial forests – best practice and lessons learned.- *Willecke, Inga*

10.00-10.15 | Managing stress-inducing factors for better restoration outcomes, the case of low-lying Mediterranean Iberian coast.- *Lascurain Gollerichs, José*

10.15-10.30 | The Role of Green Roofs in Urban Ecological Restoration.- *Liberalesso, Tiago*

10.30-10.45 | Do lowland semi-improved grasslands have a natural restorative capacity to revert to semi-natural grassland vegetation?.- *O'Rourke-Griffin, Sally*

10.45-11.00 | Recovering landscapes and its functionality. The holistic LIFE RIBERMINE project (Guadalajara, Spain).- *Martín Moreno, Cristina*

11.00-11.15 | Early drought prevents annual species to persist on a Mediterranean extensive green roof.- *Vidaller, Christel*

11.15-11.45 | Coffee

11.45-13.15 | S1.2 Restoration measures for landscape connectivity and implementation of Green Infrastructure. *Chair: Jiménez Franco, María Victoria*

11.45-12.00 | Identification of plant indicators for high pollinator diversity when prioritizing roadside restoration.- *Skrindo, Astrid Brekke*

12.00-12.15 | LIFE PRIMED (LIFE17NAT/GR/000511): promoting interdisciplinarity and ecosystem-based approach when restoring declined Mediterranean forest.- *Cambria, Vito Emanuele*

12.15-12.30 | A proposal for classifying nature-based solutions.- *Mayor Farguell, Xavier*

12.30-12.45 | Assessing limiting factors for natural regeneration in Mediterranean hedgerows.- *García de León, David*

12.45-13.00 | Composition and diversity of arbuscular mycorrhizal fungal communities associated with planted Mediterranean hedgerows.- *García de León, David*

13.00-13.15 | Designing diverse and functional green areas: a toolkit for decision makers.- *Magro, Sandra*

13.15-14.30 | Lunch

14.30-15.15 | Plenary 4. Scaling up action for resilient wetland landscapes. *Madgwick, Jane - Chair: Kris Decler*

15.15-16.45 | S15. Management and Policy in Restoration. *Chair: Sabine Tischew*

15.15-15.30 | Is it a Man's world? Gender bias in Ecosystem Restoration.- *Rohrer Rodriguez, Zoe*

15.30-15.45 | Identifying Training needs in Ecological Restoration at European scale.- *Corrià, Robin*

15.45-16.00 | Knowledge needs of restoration practitioners in southeastern Spain.- *Cortina-Segarra, Jordi*

16.00-16.15 | Management Prioritisation of Czech Natura 2000 Sites.- *Ivana, Jongepierova*

16.15-16.30 | Fifty Shades of Restoration in Italy: Analysis of Legal Tools and Drivers for Transformative Change.- *Ciscato, Eleonora*

16.30-16.45 | Is the proposed EU Nature Restoration Regulation 'fit for purpose'?.- *Decler, Kris*

16.45-17.15 | Coffee

17.15-19.15 | S13. Dryland Restoration. *Chair: Fernando T. Maestre Gil*

17.15-17.30 | Land Degradation Neutrality, addressing land degradation beyond drylands and restoration.- *Martínez Valderrama, Jaime*

17.30-17.45 | Priority effects in dry grasslands: insights from a field experiment and implications for restoration.- *Alonso-Crespo, Inés María*

17.45-18.00 | Livestock grazing and ecosystem service delivery in global drylands.- *Maestre Gil, Fernando Tomás*

18.00-18.15 | Overgrazing reduces the ability of soil microbes to sustain dryland functioning: implications for ecosystem restoration.- *Neuenkamp, Lena*

18.15-18.30 | Maximizing runoff capture by vegetation by spatial modelling as a tool to enhance dryland restoration.- *Maggioli, Lisa*

18.30-18.45 | Establishing resource-conserving species-diverse patchy vegetation: a nature-based path forward to restore drylands.- *Bautista, Susana*

18.45-19.00 | Effect of seed biopriming with biocrust-forming cyanobacteria on radicle growth and germination of semiarid native plants.- *Alameda Martín, Aitor*

19.00-19.15 | Forest restoration in drylands is conditioned by climatic legacies.- *Guirado, Emilio*

Wednesday, 7th September 2022

Programme

A2/D01 room - Aulari II

General Lecture Hall II, University of Alicante

9.15-11.15 | S2.1 Forest regrowth after land abandonment in Europe: extent, threats, and opportunities. *Chairs: Espelta Morral, Josep Maria & Hampe, Arndt*

9.15-9.30 | What can ecosystem change over 30,000 years tell us about future ecological restoration options? Some hints from NE Portugal.- *Beja, Pedro (Invited keynote)*

9.30-9.45 | Outcomes and drivers of forest recovery.- *Cruz-Alonso, Verónica (Invited keynote)*

9.45-10.00 | Tree species diversity increase in Catalan forests is associated to forest history, connectivity, and management.- *Selwyn Alvarez, Miriam*

10.00-10.15 | Degree of ecological specialization in vegetation succession in Central European disturbed sites.- *Ballesteros, Miguel*

10.15-10.30 | The role of remnant trees differs among oak species in the colonization of pine plantations.- *Lorente Casalini, Olivia*

10.30-10.45 | Being in or out the climatic niche influences the performance of Pinus plantations in Spain.- *Perez Navarro, Maria Angeles*

10.45-11.00 | Recovering soil fungal communities in abandoned mined sites; how should we act?.- *Alday, Josu G*

11.00-11.15 | Plant-animal seed dispersal interactions as key drivers of ecological restoration in a changing world.- *Silveira Bueno, Rafael*

11.15-11.45 | Coffee

11.45-13.15 | S2.2 Forest regrowth after land abandonment in Europe: extent, threats, and opportunities. *Chair: Espelta Morral, Josep Maria & Hampe, Arndt*

11.45-12.00 | When nature concludes the forest transition – natural forest regrowth in the eyes of society.- *Winkel, Georg (Invited keynote)*

12.00-12.15 | Ten golden rules for reforestation – and when natural regeneration has a need for seed.- *Hardwick, Kate (Invited keynote)*

12.15-12.30 | Carbon offsetting through reforestation: how can society enable a great opportunity for sparsely populated areas.- *Martínez Sanz, Francisco Manuel*

12.30-12.45 | Mixed forest establishment in a degraded area in northern Spain – an experimental approach.- *Uzquiano, Sara*

12.45-13.00 | Long-term shrub encroachment of Mediterranean mountain grasslands in relation to climate and rewilding.- *Rincón Madroñero, Marina*

13.00-13.15 | Conclusions and perspectives

13.15-14.30 | Lunch

15.15-16.45 | S10. Restoring Agricultural Land and Other Heavily Transformed Landscapes. *Chair: Pilar Andrés Pastor*

15.15-15.30 | Restoration in the agricultural landscape as key to regenerative agriculture: summary of the EASAC report.- *Valkó, Orsolya*

15.30-15.45 | Assessing farm biodiversity in orchards to identify good management practices using a global online tool.- *Arellano, Eduardo*

15.45-16.00 | Using complementary diversity metrics to promote the resilience of agroforestry systems to climate change.- *Nunes, Alice*

16.00-16.15 | Soil C sequestration and p dynamics after restoration of arable croplands into grasslands in humid temperate areas.- *Merino, Agustín*

16.15-16.30 | Valle Salado Botanic Site: to restore the halophilic vegetation.- *Sangalli, Paola*

16.30-16.45 | Hydrological management of Castellet basin for taking control of avenues, forest fires, and improve biodiversity.- *Sorolla, Gina*

16.45-17.15 | Coffee

17.15-18.45 | S17. Forest Restoration. *Chair: Alejandro Valdecantos*

17.15-17.30 | Deciphering the performance of holm oak saplings to improve restoration success of Mediterranean forests.- *Juan-Ovejero, Raquel*

17.30-17.45 | Potential impacts of afforestation/deforestation scenarios on regional precipitation recycling in a Mediterranean area in SE Spain.- *Moutahir, Hassane*

17.45-18.00 | Plant functional diversity affects the macroinvertebrate community in a Hawaiian wet forest restoration.- *Sebastián González, Esther*

18.00-18.15 | Conservation and Restoration of Mediterranean Taxus baccata woods in southeastern Spain.- *Arizpe Ochoa, Daniel*

18.15-18.30 | Rehabilitation of cork oak forests through the involvement of the local population from Northwestern Tunisia.- *STITI, Boutheina*

18.30-18.45 | Five years' experience of Natura2000 oak forest habitat restoration in Hungary.- *Aszalós, Réka*

Wednesday, 7th September 2022

Programme

A2/D02 room - Aulari II

General Lecture Hall II, University of Alicante

9.15-11.00 | S8. Mine Restoration. *Chair: Klara Rehounkova*

9.15-9.30 | “La Chanta” quarry: a study case of restoration and reconnecting people with nature.- *Gegúndez Cámara, Pilar*

9.30-9.45 | Using various artificial soil mixtures to restore dry grasslands in quarries.- *Buisson, Elise*

9.45-10.00 | Understanding biodiversity threats from mining construction minerals for conservation and restoration.- *Torres, Aurora*

10.00-10.15 | The effect of tree foliage traits on soil carbon storage depends on soil development.- *Frouz, Jan*

10.15-10.30 | Monitoring Quercus seedlings’ survival and growth beneath nurse shrubs in coal mines reclaimed to grasslands.- *Martínez-Ruiz, Carolina*

10.30-10.45 | Comparison between active and passive restoration in extractive activities.- *Montero, Pau*

10.45-11.00 | Meso and macro-fauna ecosystem engineers as indicators of restoration success in a rehabilitated mine tailings chronosequence. *Pelaez Sanchez, Sara*

11.15-11.45 | Coffee

11.45-13.15 | W9. Soil and Water Bioengineering, a Nature based discipline between grey and green Infrastructures. *Chair: Sangalli, Paola*

11.45-12.00 | Soil and Water Bioengineering (SWB) is and has always been a Nature-Based Solution (NBS): a reasoned comparison of terms and definitions.- *Sangalli, Paola*

12.00-12.15 | Soil Substitutes for Sustainable Land Reclamation of Coal Mining-Affected Areas.- *Krzemien, Alicja*

12.15-12.30 | Solutions to the flooding of the Estepona river in the urban area of Bakio (Vizcaya) with Soil and Water Bioengineering.- *Sangalli, Sergio*

12.30-12.45 | Technosols for slope stabilization and ecosystem services maximization: pilot experiences and long-term results.- *Carabassa Closa, Vicenç*

12.45-13.00 | Functional biodiversity associated to soil bioengineering cribwalls.- *Mota, Bet*

13.00-13.15 | Using soil and germination models to predict seed germination in geomorphic restoration in mines.- *Tormo, Jaume*

13.15-14.30 | Lunch

15.15-16.45 | W2. Flagship program in the Mediterranean Region UN Decade on Ecosystem Restoration. *Chair: de Dato, Giovanbattista*

15.15-15.30 | Assessing the restoration activities in the Mediterranean for the Restoration Flagship Initiatives.- *de Dato, Giovanbattista*

15.30-15.45 | Forest and Landscape restoration in Lebanon A case study on post fire restoration.- *Mohanna, Chadi*

15.45-16.00 | Participatory forest restoration in the Talassemiane National Park, North Morocco.- *Derak, Mchich*

16.00-16.15 | The co-management of forest landscapes: An innovative approach for climate change adaptation and mitigation measures.- *Boufaroua, Mohamed*

16.15-16.30 | Restoration/Rehabilitation activities in Turkiye and its Carbon Benefits.- *Ozdemir, Eray*

16.45-17.15 | Coffee

17.15-19.00 | S6. Restoration Planning. *Chair: Johannes Kollmann*

17.15-17.30 | Contrasting vegetation, soil, and climatic drivers determine plant contribution to soil carbon stocks globally.- *Dacal, Marina*

17.30-17.45 | Ecosystem multifunctionality in Mediterranean-type ecosystems – a matter of species composition and environmental conditions.- *Fiedler, Sebastian*

17.45-18.00 | Spatial restoration design: insights from theory.- *Gawecka, Klementyna*

18.00-18.15 | BirkiVist: Trans-disciplinary research to support scaling-up of woodland restoration.- *Aradottir, Asa Lovisa*

18.15-18.30 | Forest Restoration Productive Chain: Challenges And Opportunities In The Involvement Of Local Communities.- *Ferreira Abrahão, Leandro Luiz*

18.30-18.45 | Planning for landscape-scale restoration: which tools do we need?.- *Helm, Aveliina*

18.45-19.00 | Assessing restoration suitability and regeneration potential for reforestation success in Panamá Canal Area.- *Bardino, Giulia*

19.00-19.15 | The importance of investing in human resources to achieve large-scale forest restoration goals in south-eastern Brazil.- *Barbosa, Karina Cavalheiro*

Wednesday, 7th September 2022

Programme

A2/C04 room - Aulari II

General Lecture Hall II, University of Alicante

9.15-11.15 | S11. Response to Risks and Disturbances. *Chair: Victor Santana*

9.15-9.30 | The role of invasive species control and assembly on restoration.- *Weidlich, Emanuela W. A.*

9.30-9.45 | Vegetation degradation promotes the invasion potential of Impatiens glandulifera in an oligotrophic mountain habitat.- *Nikolic, Nina*

9.45-10.00 | Return of a native Mediterranean ant community after Carpobrotus removal on a small island.- *Blaya, Romane*

10.00-10.15 | How do native species compete against the reproductive success of exotic pines after fires? A restoring approach.- *Ovalle, Juan*

10.15-10.30 | Post-fire management: restoration tools in semiarid aleppo pine forests (se Spain).- *Moya, Daniel*

10.30-10.45 | Multifunctionality of Mediterranean landscapes is increased by the application of different post-fire management actions.- *Moghli, Aymen*

10.45-11.00 | Climate impacts on radial growth of Quercus suber growing in the Northwest of Tunisia.- *Stiti, Boutheina*

11.00-11.15 | Root properties relevant for erosion control, and vegetation morphometry using LIDAR in a field experiment.- *Virgil Alexandru, Iordache*

11.15-11.45 | Coffee

11.45-13.00 | S12.1 Grassland Restoration I. *Chair: Elise Buisson*

11.45-12.00 | The long-term effect of restoration practices and landscape composition on the success of sand grasslands restoration.- *Poalinelli Reis, Bruna*

12.00-12.15 | No mid-term detrimental effects of soil disturbance linked to grassland restoration on established ground-dwelling invertebrates.- *Slodowicz, Daniel*

12.15-12.30 | Restoration of dry and sandy habitats in Brandenburg, Germany by LIFE projects.- *Ruffer, Janine*

12.30-12.45 | Dry Grassland Restoration Activities in the Dinara back to LIFE project – experiences and challenge.- *Skunca, Luka*

12.45-13.00 | Application of regeneration potential trajectories to prioritize ecological restoration interventions in the Hungarian sand regions. - *Csákvári, Edina*

13.15-14.30 | Lunch

15.15-16.45 | S12.2 Grassland Restoration II. *Chair: Melinda Halassy*

15.15-15.30 | Costs and benefits of grassland reconstruction in an industrial area.- *Halassy, Melinda*

15.30-15.45 | Spontaneous grassland recovery in an open alkali landscape - restoration of a former military area.- *Deák, Balázs*

15.45-16.00 | Reintroduction of mowing on steep slopes increases species diversity of a grassland after abandonment.- *Yamada, Susumu*

16.00-16.15 | Recovery of plant-bumblebee interactions in restored semi-natural grasslands.- *Reitalu, Triin*

16.15-16.30 | Plant establishment during the restoration of species rich grasslands.- *Mudrák, Ondrej*

16.30-16.45 | Long-term assessment of restored species-rich grassland in Germany.- *Kirmer, Anita*

16.45-17.15 | Coffee

17.15-19.15 | W10. The LIFE programme: Practical examples of EU funding supporting Nature Restoration. *Chair: Ana Nava; Sylvia Barova*

LIFE success stories on ecological restoration - LIFE N2K revisited.- *Broumova, Radka*

LIFE success stories on ecological restoration - LIFE TECMINE.- *Olmo, Beatriz*

LIFE success stories on ecological restoration - LIFE to Alvars.- *Helm, Aveliina*

Wednesday, 7th September 2022

Programme



A2/C03 room - Aulari II

General Lecture Hall II, University of Alicante

9.15-10.15 | E1. Commonland. Landscape Restoration as a means of delivering the EU Green Deal: Recommendations.
Victoria Gutiérrez; Amanda del Rio; Yurena Lorenzo; Jordi Cortina.

10.30-11.00 | E5. Land Life: examples and challenges in nature restoration through Voluntary Carbon Markets. *Francisco Purroy*

11.15-11.45 | Coffee

11.45-12.15 | E6. Ecoembes. “Los Sistemas Colectivos de Responsabilidad Ampliada del Productor (SCRAP) y las experiencias de restauración ecológica”. *Esperanza Alvarez Garcia*

12.15-12.45 | E7. CEMBUREAU's vision for biodiversity in and around quarries over the coming decades. *Alexandra Silva*

13.15-14.30 | Lunch

Thursday, 8th September 2022

Programme

Mid conference field tours

09.00-18.30 | #1 Restoration of a highly transformed semiarid landscape. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

09.00-17.00 | #2. Promoting resilience through restoration actions in Mediterranean fire-prone areas. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

08.30-17.15 | #4. Coastal restoration. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

09.00-16.00 | #5. Restoration of Mediterranean rivers and flood management. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

09.00-18.00 | #6. Wetland restoration for birds – Birdwatching – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

10.30-17.30 | #7. The restoration of coastal shores and marine habitats-Snorkeling. – Meeting point: Alicante port: Kontiki boats dock, Alicante

09.00-18.00 | #8. Restoration of metalliferous mining sites in the Cartagena-La Unión mining district. - Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

08.00-18.00 | #9. Quarry restoration. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

08.00-18.30 | #10. The environmental crisis of the Mar Menor coastal lagoon: The great challenge of ecological restoration in the coming decades. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

09.00-17.30 | #11. Experimental restoration of semiarid degraded lands. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

09.00-17.30 | #12. Conservation and restoration of Mediterranean landscapes. – Meeting point: University of Alicante Campus, Sant Vicent del Raspeig

20.30 - 24.30 | Gala dinner at Hotel Melià Alicante

Friday, 9th September

Programme

Main Hall Aulari II - General Lecture Hall II, University of Alicante

08.30 | Registration and delivery of documentation

Sala d'actes Aulari II - Auditorium General Lecture Hall II, University of Alicante

8.30-9.15 | Plenary 5. Past, present and future directions in marine restoration.

Linares, Cristina - Chair: Cristina Gambi

9.15-10.45 | S9. Large-scale rewilding across Europe - overcoming challenges to seize a historic opportunity. Chair:

Aykroyd, Toby

11.15-11.45 | Coffee

11.45-12.00 | Introduction to the WWF-SER Standards for the Certification of Forest Ecosystem Restoration Projects (Forest Programme Coordinator, WWF Spain)

12.00-12.15 | Restoration of the fire degraded area of Las Peñuelas and practical considerations in the application of the WWF-SER Standards for the Certification of Forest Ecosystem Restoration Projects.- *Miguel Ángel Maneiro Márquez (Regional Governmental Representative, Junta de Andalucía)*

12.15-12.30 | Restoration plan of public forests affected by the forest fire in "Las Peñuelas", in 2017: western sector of the Doñana Natural Park, Coto Mazagón and Ordenados de Moguer.- *Juan Gorostidi (Technical project auditor, SER-E)*

12.30-12.45 | Evolution and Future of the WWF-SER Standards for the Certification of Forest Ecosystem Restoration Projects.- *George Gann (International Policy Lead, SER)*

12.45-13.00 | Professional Roundtable: 3-4 international subject matter experts in European forestry restoration projects and use of standards.

13.15-14.30 | Lunch

14.30-15.15 | Plenary 6. Closing plenary. Ecological Connectivity in the Spotlight of the Restoration Agenda. *Andrea Meza, Amy Fraenkel and Barron J. Orr - Chair: Susana Bautista*

15:15-16.00 | E10. UNCCD: Ecological connectivity: an essential component of ecosystem restoration. *Barron J. Orr, Vittoria Semplici*

16.00-17.30 | SERE Membership Meeting

17.30-18.00 | Coffee

18.00-18.45 | Closure

A2/D01 room - Aulari II General Lecture Hall II, University of Alicante

9.15-11.30 | S4. Restoration in the Mediterranean Sea: are we ready for scaling up? Chair: *Bianchelli, Silvia*

9.15-9.30 | The challenge of marine ecosystems' restoration in a changing ocean.- *Gambi, Cristina*

9.30-9.45 | Setting restoration targets under climate changes: the case study of Mediterranean macroalgal forests.- *Fabbrizzi, Erika*

9.45-10.00 | Following the roadmap for Mediterranean Macroalgal forests restoration: a case study from the Adriatic Sea.- *Bianchelli, Silvia*

10.00-10.15 | AFRIMED and algal forest restoration in the Mediterranean: stakeholder beliefs on feasibility, acceptance and barriers.- *Papadopoulou, Konstantia*

10.15-10.30 | The LIFE SEPOSSO proposal for the planning, implementation, and monitoring of Posidonia oceanica transplantations.- *La Porta, Barbara*

10.30-10.45 | Exploring the timescales needed to recover the functioning of Mediterranean coralligenous assemblages through active restoration.- *Zentner Murlans, Yanis*

10.45-11.00 | Quantifying the ecosystem service benefits of Mediterranean Cystoseira macroalgal forests.- *Critchley, Megan*

11.00-11.15 | Towards the restoration of macroalgal forests in the mediterranean sea: major challenges and wins.- *Chiantore, Mariachiara*

11.15-11.30 | Posidonia oceanica transplantation: insights and lessons from Italy.- *Bacci, Tiziano*

11.15-11.45 | Coffee

11.45-13.15 | S14. Hydrological Restoration. Chair: *Patricia Rodríguez*

11.45-12.00 | Estimating the value of newly restored riparian and tidal marsh areas to recreational hunters.- *Matzek, Virginia*

12.00-12.15 | Global assessment of the biological condition of rivers via fish and macroinvertebrate assemblages.- *Feio, Maria João*

12.15-12.30 | River-human connections and affinity for nature of local populations to regulated rivers.- *Aguiar, Francisca C.*

12.30-12.45 | River regulation induces functional alterations in the aquatic communities.- *Feio, Maria João*

Friday, 9th September

Programme

A2/D02 room - Aulari II

General Lecture Hall II, University of Alicante

9.15-11.05 | W7. Addressing the climate emergency through citizen-driven forest restoration projects. *Chair: Moore, Chrystal; Sabate, Santiago*

9.15-9.25 | The 4 Returns Approach to Landscape Restoration: opportunities & challenges.- *Moolenaar, Simon Willem*

9.25-9.35 | Building environmental awareness and addressing climate change through forest restoration in a fire-prone landscape (North-eastern Spain).- *Duguy Pedra, Beatriz*

9.35-9.45 | Restor. A Science Based Platform to Enable and Accelerate the Restoration of Earth's Ecosystems.- *Max, Simeon*

9.45-9.55 | Species selection for sustainable tree planting under a rapidly changing climate.- *Allasia Grau, Samuel*

9.55-10.05 | How to support educators from different countries with teaching sustainability, and evaluate the programme's success.- *Gregori Montaner, Aroa*

10.05-10.15 | Empowering individuals and organisations to lead climate action through tree planting: Terra Leaders.- *Gregori Montaner, Aroa*

10.15-10.25 | Engage citizens to take positive climate action by developing tools for measuring their climate impact.- *Moore, Chrystal*

10.25-10.35 | Engaging citizens to gather useful data regarding tree plantings.- *de Santana, Tiago*

10.35-10.45 | Estimation of live carbon storage in a continental-scale plantation.- *Sauras-Yera, Teresa*

10.45-10.55 | SUPERB - Systemic solutions for upscaling of urgent ecosystem restoration for forest-related biodiversity and ecosystem services.- *Alberdi, Iciar*

10.55-11.05 | LIFE TECMINE Project. Innovative Techniques for Landscape Recovery after Clay Mining under Mediterranean Conditions.- *Morcillo, Luna*

11.15-11.45 | Coffee

11.45-13.00 | S16. Society and Restoration.
Chair: Alice Nunes

11.45-12.00 | The potential socioeconomic impact of the forest restoration chain in a basin of high social vulnerability in South-eastern Brazil.- *Tieppo, Felipe Maraue Marques*

12.00-12.15 | Implications of social preferences in restoration planning based on cost-effectiveness.- *Silva, Elysa*

12.15-12.30 | What influences public attitudes toward river restorations?.- *Junker-Koehler, Berit*

12.30-12.45 | Theatre to promote public awareness for the rehabilitation of urban streams.- *Montenegro, Mário*

12.45-13.00 | Management towards multiple ecological and socio-economic functions in rainforest transformation systems: An agent-based modelling approach.- *Fiedler, Sebastian*

A2/C04 room - Aulari II

General Lecture Hall II, University of Alicante

9.15-11.15 | S7. Restoration in Wetlands.
Chair: Sébastien Gallet

9.15-9.30 | Wetlands, a key ecosystem to tackle climate change.- *Aguirre, Ernesto*

9.30-9.45 | Restoration of formerly extracted raised bogs – vegetation succession and recovery of other trophic groups.- *Prach, Kareł*

9.45-10.00 | Peatlands under pressure? Hidden side-effects of aeolian dust dispersal in Iceland.- *Möckel, Susanne Claudia*

10.00-10.15 | Restoring mediterranean wetlands in corsica: methodology, field results and challenges.- *Emmanouilidou, Pantelina*

10.15-10.30 | Restoring mediterranean wetlands part II: methodology, field results and future challenges.- *Emmanouilidou, Pantelina*

10.30-10.45 | A network for wetland restoration in Brittany (France).- *Armel, Dausse*

10.45-11.00 | Characteristics of vegetation of formerly dyked marshes. Analysis of composition and spatial organization in comparison to reference sites.- *Salgueiro-Simon, Manuel*

11.15-11.45 | Coffee

11.45-13.15 | S3. Ecological integration and restoration of solar parks. *Chair: Armin, Bischoff*

11.45-12.00 | A decision support tool to improve solar park management for ecosystem services.- *Armstrong, Alona*

12.00-12.15 | Photovoltaic power station : an opportunity to restore semi-naturel European grassland.- *Quentin, Lambert*

12.15-12.30 | Ecosystem responses to solar park development in the UK.- *Carvalho Gomes da Silva, Fabio*

12.30-12.45 | Solar park construction - evaluation of ecological impact, compensation and restoration strategies.- *Armin, Bischoff*

12.45-13.00 | Study of ecosystem services generated in an experimental design combining green roofs and photovoltaic panels.- *Belin, Marie*

13.00-13.15 | Assessing the impact of solar parks on vegetation, microclimate and soil properties.- *Obriejetan, Michael*

Friday, 9th September

Programme



A2/C03 room - Aulari II

General Lecture Hall II, University of Alicante

9.15.10.15 | E3. Sylvestris: Carbon offsetting through reforestation. How can society enable a great opportunity for sparsely populated areas. *Francisco Manuel Martínez Sanz*

10.30-11.00 | E8. SER: International Principles and Standards for the Ecological Restoration and Recovery of Mine Sites. *George Gann*