

September 10th, 2021 – **Main Room**

9:00 - 9:40 Plenary session: Restoration of agricultural soils in Russia after the collective farming collapse: opportunities and benefits for environment.

Irina Kurganova

Dr. Hab. (Ecology and Soil science), leading researcher of the Institute of Physicochemical and Biological Problems in Soil Science. Russian Academy of Sciences

Session Chair(s): Ramon Vallejo

Technical Assistant: Adrián Maturano

9:50 - 11:10 S9.1 Restoration strategies in mining areas

Session Chair(s): Carolina Martinez-Ruiz, Josu Alday, Beatriz Olmo Gilabert, Cristina Gil Monteso

Technical Assistant: Adrián Maturano

Woody colonization in reclaimed coal mines in Northern Spain: insights for forest expansion. Carolina Martinez-Ruiz

Can native shrubs and grazing exclusion affect soil properties in reclaimed open-cast coal mines?. Elena Muñoz-Cerro

Monitoring opencast mine restoration using drones. Vicenç Carabassa

Restoration strategy and techniques for recovering degraded landscapes after mining activity under Mediterranean conditions. Diana Turrión Cerrejón

Aquatic succession in various post mining sites in Central Europe. Anna Müllerová

11:10 - 12:30 S9.2 Restoration strategies in mining areas

Session Chair(s): Carolina Martinez-Ruiz, Josu Alday, Beatriz Olmo Gilabert, Cristina Gil Monteso

Technical Assistant: Adrián Maturano

Biomass accumulation in forest floor and litterfall in Robinia pseudoacacia restoration plantations. Giorgos Xanthopoulos

Evaluating quarry ecological restoration success with field and remote sensing approaches (Arrábida Natural Park, Portugal). Cláudia Mendes

Evaluating the provision of pollination services by insects in actively and spontaneously restored quarries. Carolina Carvalho

Land reclamation activities for the restoration of the agrochemical properties of arsenic-contaminated soils. Petar Petrov

Seed dispersal services provided by birds in a 40-year-old revegetated quarry are depleted when compared with neighbouring areas. Ana Sampaio

12:30 - 13:20. Break

13:20- 14:00 Plenary session: Challenges in marine ecosystem restoration

Simonetta Fraschetti

Professor in Ecology at the University of Naples Federico II and Research Fellow at the Anton Dohrn Zoological Station of Naples

Session Chair(s): **Cristina Gambi**

Technical Assistant: **Adrián Maturano**

14:10 - 16:10 W3. What can we learn from eLTER on long-term monitoring and evaluation of restoration interventions?

Session Chair(s): **Melinda Halassy, Kati Török**

Technical Assistant: **Adrián Maturano**

Added value of eLTER network for ecological restoration and vice versa. Cristina Branquinho

Ten-year progress in the restoration of dry grasslands on arable land using a regional seed mixture. Klara Rehoukova

Restoration peatland eLTER, case of France. Gogo Sébastien

Long-term monitoring and evaluation of restoration experiments in Kiskun LTER, Hungary. Melinda Halassy

Limiting factors of plant establishment in restored grasslands of White Carpathian Mts. Ondrej Mudrák

Restoration of Mediterranean forests after major disturbances: The Lanjarón fire over 15 years of succession. Alexandro B. Leverkus

Long-term monitoring of a quarry site restoration based on vegetation structure and functional diversity. Alice Nunes

Q&A

17:30 - 18:30 Closing ceremony

Session Chair(s): **Jordi Cortina-Segarra, Kris Decler, Jordi Pietx**

Technical Assistant: **Jordi Pietx**

September 10th, 2021 – Room 2

9:50 - 11:35 S10 Restoring biodiversity and ecosystem services in European agricultural landscapes.

Session Chair(s): José M. Rey Benayas

Technical Assistant: José Antonio Alloza

Assisting natural regeneration in Mediterranean old fields by planting woodland islets and hedgerows. José M. Rey Benayas

Contributions of hedgerows to people – a global meta-analysis. David García de León

Challenges and opportunities for biodiversity conservation and restoration in olive groves. Jose Manuel Herrera

Environmental Enhancement of European Agricultural Landscapes by Agroforestry. Sonja Kay

Wetland restoration in Mediterranean agricultural landscapes. Eugenio de las Heras Martín

Selection of grapevine varieties according to their heat tolerance: a new approach using whole plants. Lara Río Moreno

11:40 – 12:40 S4 Large scale analysis of biomass and Carbon accumulation in abandoned agricultural lands: possibilities for Southern Europe

Session Chair(s): Eduardo Velázquez

Technical Assistant: José Antonio Alloza

Limited effect of forest expansion in abandoned agricultural lands to offset regional C emissions under Mediterranean-continental climate. Eduardo Velázquez

Aboveground biomass estimation in natural and plantation forest areas in Greece using satellite data. Giorgos Mallinis

Long-term abandonment of agro-ecosystems in Mediterranean mid-mountain areas: environmental consequences Estela Nadal-Romero

Carbon sequestration on abandoned agricultural lands in Russia: A review. Florian Schierhorn

12:40 - 13:20. Break

14:10 - 15:40 S7.1 Marine Ecosystem Restoration in changing oceans

Session Chair(s): Silvia Bianchelli, Simonetta Frascchetti, Nadia Papadopoulou

Technical Assistant: Carlos Sanz-Lazaro

Restoration of *Cymodocea nodosa* seagrass meadows: efficiency and ecological implications. Cristina Gambi

Ecophysiological responses of two fucalean seaweeds to key environmental factors to identify restoration priorities. Sotiris Orfanidis

The first steps of ecological restoration in marine ecosystems: results and future challenges. Silvia Bianchelli

Stakeholder expectations from marine restoration projects: AFRIMED and algal forest restoration in the Mediterranean. Konstantia Papadopoulou

Habitat and functional recovery after the restoration of a canopy-forming algae forest. Cristina Galobart Vilamitjana

Nature-based-Solutions foster seagrass *Zostera noltei* resilience and restoration success: guidelines for practitioners and upscaling activities. Ana Sousa

15:50 - 17:10 S7.2 Marine Ecosystem Restoration in changing oceans

Session Chair(s): Silvia Bianchelli, Simonetta Frascchetti, Nadia Papadopoulou

Technical Assistant: Carlos Sanz-Lazaro

Posidonia oceanica marine forest: epifaunal community response to plant restoration. Ines Castejon

The role of scale in seagrass restoration and biodiversity: a functional trait approach. Karine Gagnon

Understanding the ecological effects of extreme events in rocky shores to be applied in restoration. Iraide Saez-Zamacona

Zostera noltei as a rehabilitation tool for degraded estuarine ecosystems (Ria de Aveiro, Portugal). Vitor Oliveira

Zostera noltei response to transplantation into contaminated sediments (A mesocosm experience). Beatriz Fonte

September 10th, 2021 – Room 3

9:50 - 11:10 S15.1 Soil and Water Bioengineering as a tool for ecological restoration

Session Chair(s): Paola Sangalli, Rosemarie Stangl, Daniel Arizpe Ochoa, Albert Sorolla Edo
Technical Assistant: Hassane Moutahir

Soil and Water Bioengineering in European context for Ecological restoration. Concrete examples. Paola Sangalli

Greening measures for sustainable ecosystem restoration – decision making approaches and management strategies. Michael Obriejetan

Methods of process-orientated urban river development using Soil and Water Bioengineering. Henning Günther

Requalification of the coastline using bioengineering techniques. Case study: Caldeirão dune - Northern Portugal. Carla Rolo Antunes

SWB plantation tools to combat desertification in Mediterranean Europe. Gianluigi Pirrera

11:10 - 12:30 S15.2 Soil and Water Bioengineering as a tool for ecological restoration

Session Chair(s): Paola Sangalli, Rosemarie Stangl, Daniel Arizpe Ochoa, Albert Sorolla Edo
Technical Assistant: Hassane Moutahir

Best practice – Is natural revegetation sufficient to achieve mitigation goals in road construction?. Anne C. Mehlhoop

Ecological Engineering for transitional water restoration: Life Lagoon Refresh case study. Alessandra Feola

Restoration of drove roads to enhance biodiversity and connectivity of Natura 2000 sites in Spain. Violeta Hevia

Lessons learned from a fluvial bioengineering work for improving water course connectivity and river biodiversity. Txarrota dam rehabilitation. Paola Sangalli

12:30 - 13:20 Break

14:10 - 15:25 S21. Soil restoration in dry environments: from farms to mines

Session Chair(s): Pilar Andrés, Montserrat Jorba, Eduardo Arellano

Technical Assistant: Hassane Moutahir

Soil restoration in Mediterranean woody crops: best practices and best indicators. Pilar Andrés

Edaphic materials used in quarry restoration: effects on vegetation in the medium-long term. Montse Jorba

A Quorum Moment: Bridging the Practices of Ecological Restoration and Regenerative Agriculture. Darren J. Doherty

The role of soil amendments and conditioners in restoring seasonally dry forests. Eduardo Arellano

Responses of non-mutualistic diazotrophic microorganisms to fire occurrence in Mediterranean native forest soils. Claudia Rojas Alvarado

15:30 - 17:30 W6. Ecological Restoration contributions to Disaster Risk Reduction, Preparedness and Mitigation

Session Chair(s): Alfred De Jager, Sara Pelaez

Technical Assistant: Hassane Moutahir

The challenges and opportunities of ecological restoration for disaster risk management (DRM). - Sara Pelaez.

Dryland restoration, the forgotten option - Alfred De Jager.

Human health: a neglected benefit of ecological restoration? – James Aronson.

Natural assurance schemes: socio-ecological approaches to NBS for ecosystem based adaptation and ECO-DRR. – Elena López Gunn.

Floods and river restoration. Diego García de Jalón.

September 10th, 2021 – **Networking Area**

14:10 - 15:10 Meet the restorer

Session Chair(s): Session Chair: Aveliina Helm

Technical Assistant: Jordi Cortina

Speakers: Patricia Rodriguez, Karel Prach, Sara Pelaez, Cristina Gambi, Kati Török, James Aronson, Annely Esko, Aveliina Helm



15:20 - 16:20 Meet the SERE

Session Chair(s): Jordi Cortina, Kris Decler, Berit Köhler, Anne Tolvanen, Alice Nunes, Sabine Tischew, Melinda Halassy, Klara Rehounková, Johannes Kollmann, Josu Alday, Aveliina Helm, Elise Buisson, Agata Klimkowska, Jonathan Mitchley, Kristin Svavarsdottir, Richard Scott

Technical Assistant: Jordi Pietx

16:20-17:20 Virtual Terrace

Session Chair(s): Richard Scott, Jordi Pietx

Technical Assistant: Jordi Cortina

Note : The time zone is CEST.