



17th Eurasian Grassland Conference

Grassland dynamics and conservation in a changing world

Tolosa, Spain, 12-18 September 2022

PROGRAM AND LIST OF PARTICIPANTS



PROGRAM

Monday, September 12, 2022

- 12:00-17:30 **Workshop 1: Introduction to Orthoptera**
Rocco Labadessa
- 17:30-18:30 **Workshop 2: Meet the Editors**
- 18:30-20:00 **Registration and welcome drink**

Tuesday, September 13, 2022

- 08:00-09:00 **Registration**
- 09:00-09:20 **Opening ceremony**
- 09:20-10:20 **Keynote lecture: Alfonso San Miguel-Ayanz** (Polytechnic University of Madrid, Spain)
Diversity, management and conservation of natural and semi-natural grasslands in Spain

Session 1. Succession and species turnover in abandoned grasslands**Chair: Anna Kuzemko**

- 10:25-10:40 **Timing seed-sowing properly facilitates restoration of species-rich grasslands**
Réka Kiss, Balázs Deák, Katalin Tóth, Katalin Lukács, Zoltán Rádai, András Kelemen, Tamás Migléc, Ágnes Tóth, Laura Godó, Sándor Borza & Orsolya Valkó
- 10:40-10:55 **Land use change and vegetation succession in marginal protected areas of Central Apennines**
Giulio Tesei, Lorena Baglioni, Luca Bassetti, Paride D'Ottavio, Simone Pesaresi & Marina Allegrezza
- 10:55-11:25 **Coffee break**

Session 2: Grassland restoration**Chair: Andreas Hilpold**

- 11:30-11:45 **Can we further restore xerothermic grasslands in the southwestern part of Protected Landscape Area České středohoří?**
Roman Hamersky, Katerina Tremlova & Anna Vetvickova
- 11:45-12:00 **Livestock grazing and proximity to species-rich sites promote restoration in grasslands**
Rozália Kapás, Adam Kimberley & Sara Cousins
- 12:00-12:15 **Plant & vegetation responses to soil phosphorus along a grassland restoration trajectory**
Iris Moeneclaey, Stephanie Schelfhout, Margot Vanhellemont, Eva DeCock, Frieke Van Coillie, Kris Verheyen & Lander Baeten
- 12:15-12:30 **LIFE Nardus & Limosa: grassland restoration for meadow birds, on fertilized fields**
Stephanie Schelfhout, Margot Vanhellemont, Iris Moeneclaey, Jef Hendrix, An De Schrijver, Kris Verheyen & Jan Mertens

- 12:30-12:45 **Restoring species-rich meadows on former agricultural land: a practice-oriented long-term field experiment**
Margot Vanhellemont, Joos Latré & An De Schrijver
- 12:45-13:00 **Plant diversity patterns in restored estuarine habitats of the Cantabrian coast**
Sara Sánchez-Carmona, Juan Antonio Campos & Idoia Biurrun
- 13:00-13:30 **Poster session**
- 13:30-15:00 **Lunch**
- 15:00-16:00 **Keynote lecture: Monika Janišová** (Slovak Academy of Sciences, Banská Bystrica, Slovakia)
Species-rich semi-natural grasslands of Europe - historical masterpieces of human-nature interaction

Session 3: Classification of Palearctic grasslands and other open habitats

Chair: Stephen Venn

- 16:00-16:15 **Grasslands of Navarre (Spain), focusing on the *Festuco-Brometea*: classification, hierarchical expert system and characterisation**
Itziar García-Mijangos, Asun Berastegi, Idoia Biurrun, Iwona Dembicz, Monika Janišová, Anna Kuzemko, Denys Vynokurov, Didem Ambarlı, Javier Etayo, Goffredo Filibeck, Ute Jandt, Rayna Natcheva, Oktay Yildiz & Jürgen Dengler
- 16:15-16:30 **Calcareous perennial dry grasslands and scrub of Southern Europe: syntaxonomical delimitation**
Denys Vynokurov, Idoia Biurrun, Juan Antonio Campos, Javier Loidi, Svetlana Ačić, Olivier Argagnon, Fabio Attorre, Gianmaria Bonari, María Laura Carranza, Milan Chytrý, Renata Čuštrevska, Michele DeSanctis, Jürgen Dengler, Giuliano Fanelli, Xavier Font, Emmanuel Garbolino, Behlül Güler, Zvezdana Stančić, Angela Stanisci, Željko Škvorc & Itziar García-Mijangos
- 16:30-16:45 **Dry grasslands of Southern Buh River valley in the steppe zone of Ukraine**
Dariia Shyriaieva, Denys Vynokurov, Hanna Kolomiets, Olha Chusova, Oksana Kucher & Ivan Moysienko
- 16:45-17:15 **Coffee break**

Session 4: Grassland conservation and global change

Chair: Balasz Deák

- 17:15-17:30 **Human-vectored seed dispersal: A potential threat to the flora of protected areas**
Katalin Lukács, Ágnes Tóth, Katalin Tóth, Réka Kiss, András Kelemen, Zoltán Bátor, Csaba Tölgyesi, Alida Anna Hábczyus, Zoltán Rádai, Balázs Deák & Orsolya Valkó
- 17:30-17:45 **Aizjoms – ancient extensive agriculture land “behind beach” in old fishermen villages along SW coast in Latvia**
Ieva Rove
- 17:45-18:00 **Conservation of pastureland habitats and control of scrub-spreading in Gorbeia ZEC: clearing vs. livestock-grazing**
Ainhoa Urkijo, Ibone Ametzaga, Javier Sesma, Txomin Díaz & Isabel Albizu
- 18:00-18:15 **Ecosystem engineering by Eurasian crane (*Grus grus*) in dry grasslands: conservation values, ecosystem services and disservices**
Orsolya Valkó, Sándor Borza, Laura Godó, Zsolt Végvári & Balázs Deák

- 18:15-18:30 **Protecting the habitat or protecting the species? An integrated approach to conserve two threatened insects and their habitats from the grasslands of Southern Italy**
Leonardo Ancillotto & Rocco Labadessa
- 18:30-18:45 **Diversity versus simplicity: strong contrast between the butterfly communities of extensive grassland, intensively used farmland and urban areas**
Guariento Elia, Johannes Rüdisser, Konrad Fiedler, Chiara Paniccia, Simon Stifter, Ulrike Tappeiner, Julia Seeber & Andreas Hilpold
- 18:45-19:00 **Poster session**

Wednesday, September 14, 2022

- 08:00-19:00 **Mid-conference excursions to:**
1. Aizkorri-Aratz Natural Park (led by *Javier Loidi*)
 2. Farms and meadows in the foothills of Aralar and Aizkorri mountain ranges (led by *Idoia Biurrun*)
- 19:00-21:00 (22:00) **Grassland Party in Arantzazu with Auction**
- 21:00-22:00 **Departure of buses from Arantzazu to Tolosa**

Thursday, September 15, 2022

- 09:00-10:00 **Keynote lecture: Arkadiusz Nowak** (Opole University, Poland)
Diversity and conservation of grasslands and other open vegetation types in Tajikistan

Session 5: Grassland conservation and global change

Chair: Javier Loidi

- 10:00-10:15 **Predicting intraspecific trait variation in mountain grassland communities: do disease and herbivory matter?**
Szymon Czyżewski, Brody Sandel, Anna-Liisa Laine & Fletcher W. Halliday
- 10:15-10:30 **Plant invasions in grasslands of Switzerland: invaders, spatial patterns and effects on biodiversity**
Jürgen Dengler, Hallie Seiler, Stefan Widmer, Manuel Babbi, Regula Billeter, Christoph Bühler, Serge Buholzer, Klaus Ecker, Eva Knop, Eliane Meier, Thomas Wohlgemuth & Steffen Boch
- 10:30-10:45 **Increasing abundance of an invasive C4 grass is associated with larger community changes away than at home**
Alida Hábenczyus, Csaba Tölgyesi, Róbert Pál, András Kelemen, Eszter Aradi, Zoltán Bátor, Judit Sonkoly, Edina Tóth, Nóra Balogh & Péter Török
- 10:45-11:00 **Small-scale effects of wild boar rooting activities in Mediterranean dry grasslands**
Rocco Labadessa & Leonardo Ancillotto
- 11:00-11:30 **Coffee break**
- 11:30-11:45 **Changes in livestock management and evolution of montane grazing habitats in 15 Protected Areas of the Basque Country**
Francisco-Javier Pérez
- 11:45-12:00 **Past and present impact of land-use change on plant-pollinator interactions in East European grasslands**
Demetra Rakosy, Ana-Maria Neacă, Julia Meis, Thomas Hornick & Susanne Dunke

- 12:00-12:15 **The forecast of anthropogenic transformations of the Azov sea spits and their vegetation**
Oksana Tyshchenko
- 12:15-12:30 **The effects of management on the biodiversity of riparian flood meadows in northwestern Finland**
Stephen Venn
- 12:30-13:30 **Poster session**
- 13:30-15:00 **Lunch**

Session 6: Above and belowground grassland diversity

Chair: Jürgen Dengler

- 15:00-15:15 **Is it possible to make a floristic discovery within European grasslands?**
Mykyta Peregrym, Svitlana Zhygalova & Igor Olshanskyi
- 15:15-15:30 **Estimation of dark diversity in Austrian grasslands: possibilities and limits of the “biological” approach by using EIV**
Martin Magnes & Sina Maria Knappinger
- 15:30-15:45 **Habitat specialist species drive fine-scale diversity-area relationships (DARs) in southern European Atlantic coastal dunes**
Diego Liendo, Idoia Biurrun, Juan Antonio Campos & Itziar García-Mijangos
- 15:45-16:00 **Grasslands and coastal habitats of Southern Ukraine: First results from the 15th EDGG Field Workshop**
Ivan Moysiienko, Denys Vynokurov, Dariia Shyriaieva, Nadiia Skobel, Andrii Babitskyi, Iryna Bednarska, Olesia Bezsmertna, Olha Chusova, Jürgen Dengler, Riccardo Guarino, Kateryna Kalashnik, Alexander Khodosovtsev, Vitalii Kolomiychuk, Oksana Kucher, Anna Kuzemko, Viktor Shapoval, Olha Umanets, Natalia Zagorodniuk, Maryna Zakharova & Iwona Dembicz
- 16:00-16:15 **Environmental heterogeneity driven plant diversity: the ecological role of small natural features in agricultural landscapes**
Balázs Deák, Bence Kovács, Zoltán Rádai, Iva Apostolova, András Kelemen, Réka Kiss, Katalin Lukács, Salza Palpurina, Desislava Sopotlieva, Ferenc Báthori & Orsolya Valkó
- 16:15-16:30 **FlowerPower the garden: experimenting, learning and raising awareness about species-rich grassland in a citizen-science project**
Jorunn Dieleman, Stephanie Schelfhout & An De Schrijver
- 16:30-17:00 **Coffee break**
- 17:00-17:30 **Announcement from participants**
- 17:30-19:00 **General Assembly and Closing Ceremony**

POSTER PRESENTATIONS

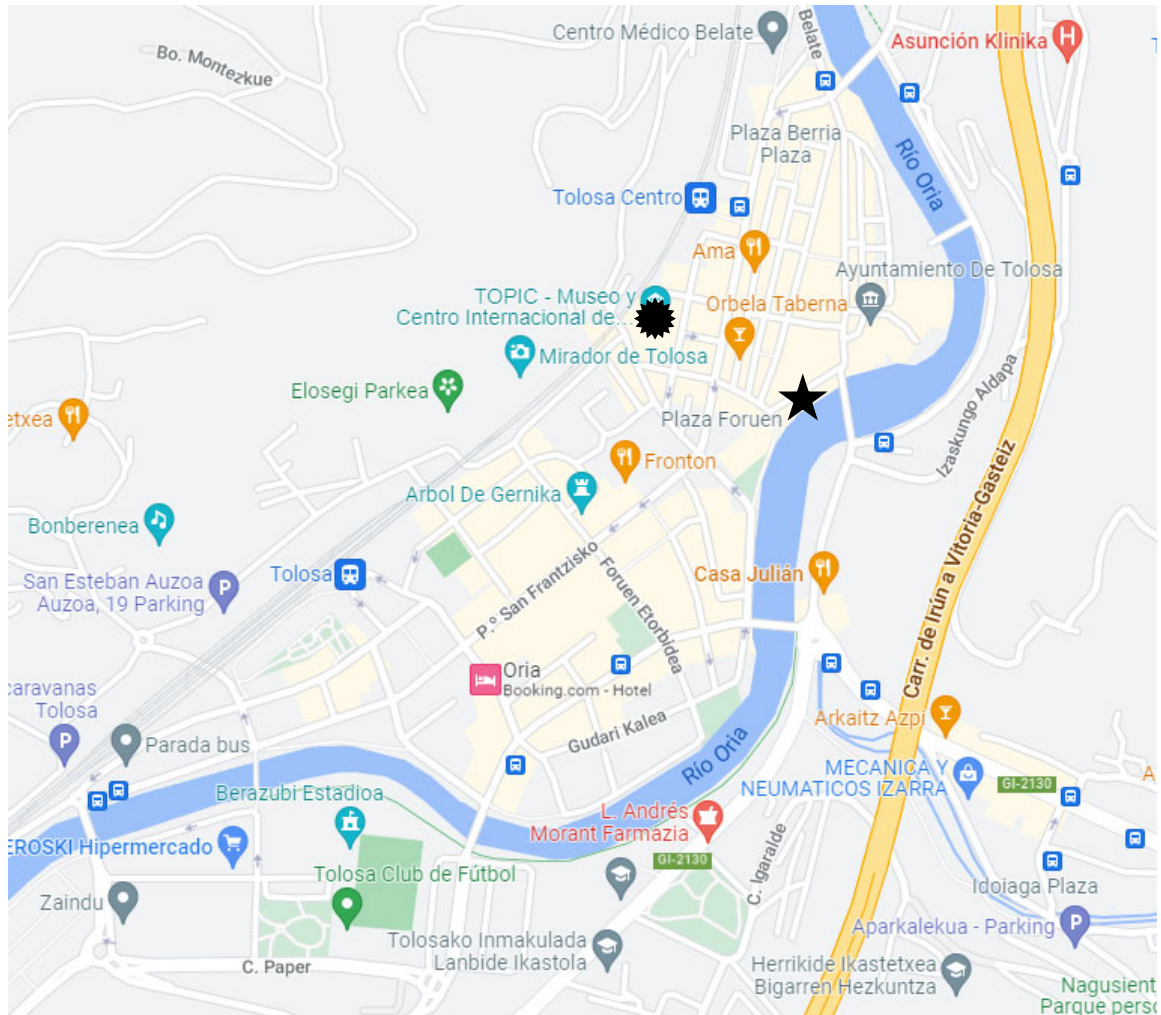
1. **Semi-natural grasslands on the dumps of overburden rocks in kryyyi rih iron ore basin (Central Ukraine).** *Olga Krasova¹, Liudmyla Lysohor & Anatolii Pavlenko*
2. **Vegetation succession of abandoned cropland in semiarid environments at Bardenas Reales Biosphere Reserve (Navarre, NE Spain).** *Javier Peralta, Leticia San Emeterio, J. Bosco Imbert, Alejandro Urmeneta & Federico J. Castillo*
3. **Effects of woody plant encroachment on diversity in mesoxerophyllous grasslands.** *Sara Sánchez-Carmona, Juan Antonio Campos & Itziar García-Mijangos*
4. **Botanical composition of pasturegrass land under Mediterranean forest rangeland of Northern Morocco.** *Y. Chebli, M. Chentouf, J.F. Cabaraux & S. El Otmani*
5. **A preliminary review on the gypseous vegetation of Central-Eastern Europe.** *Francisco Javier Pérez-García, Fabián Martínez-Hernández, Antonio Jesús Mendoza-Fernández, Esteban Salmerón-Sánchez, María Encarna Merlo & Juan Francisco Mota*
6. **Ecological peculiarities of *Stipo pulcherrimae-Festucetalia pallentis* communities in Ukraine.** *Iuliia Vasheniak, Yakiv Didukh & Olga Chusova*
7. **Remote sensing as a tool to assess the spatial cover of pasture grasslands in northern Morocco.** *Y. Chebli, M. Chentouf, J.F. Cabaraux & S. El Otmani*
8. **Reassessment of McNaughton's grazing lawn paradigm: a synthesis of functional characteristics shaping grazing ecosystems.** *Susan E. Eshelman, Caroline Lehmann, Graham Stone, Sally Archibald & Gareth Hempson*
9. **Assesing the effectiveness of temporal fencing on an endangered population of *Ranunculus amplexicaulis*.** *Daniel García-Magro, Itziar García-Mijangos & Juan Antonio Campos*
10. **ExGraze: The effects of long-term grazing exclusion on carbon sequestration and soil carbon storage in grasslands.** *Christian Klopsch, Anna Gudrun Thorhallsdottir, Bjorn Thorsteinsson, Jon Gudmundsson, Rene van der Wal & Richard Bardgett*
11. **Representation of species of international and national protection in grassland habitats of Ukraine.** *Anna Kuzemko, Olga Chusova, Vasyi Budzhak, Illya Chorney, Tetiana Dziuba, Svitlana Iemelianova, Olexander Khodosovtsev, Oksana Kucher, Ivan Moysiienko, Dariia Shyriaieva, Alla Tokaryuk, Iuliia Vasheniak & Denys Vynokurov*
12. **The nature conservation significance of cultural heritage sites and the need for their integrated preservation.** *Ivan Moysiienko, Barbara Sudnik-Wójcikowska, Iwona Dembicz, Polina Dayneko, Nadiia Skobel, Maria Zachwatowicz, Ruslana Melnyk & Maryna Zakharova*
13. **Habitat use of the European roller (*Coracias garrulus*) through the full annual cycle.** *Orsolya Kiss & Béla Tokody*
14. **Butterflies as grassland biodiversity indicators: the Basque monitoring scheme.** *José M. Fernández-García, Ana Gracianteparaluceta, Francisco J. Pérez, Ruth Escobés & Yeray Monasterio*

15. **Can carbon amendments mitigate negative drought effects in Swedish grasslands?** *Nina Roth, Daniela Guasconi, Adam Kimberley, Gustaf Hugelius, Stefano Manzoni & Sara Cousins*
16. **Management of Japanese Rose *Rosa rugosa* Thunb. in open coastal dune habitats in Latvia.** *Solvita Reine & Ieva Rove*
17. **Livestock behavior analysis in threatened flora zones in Aldamin-La Cruz pastureland (Special Conservation Zone of Gorbeia).** *Ainhoa Urkijo, Ibone Ametzaga, Amador Prieto & Isabel Albizu*
18. **Secondary seed dispersal by barn owl (*Tyto alba*) extends the dispersal rate of plants in grasslands.** *Laura Godó, Sándor Borza, Orsolya Valkó, Zoltán Rádai & Balázs Deák*
19. **Rapid functional but slow species diversity recovery of steppe vegetation on former arable fields.** *Iwona Dembicz, Maria Zachwatowicz, Ivan Moysiynko, Viktor Shapoval, Bożena Smreczak, Natalia Zagorodniuk & Barbara Sudnik-Wójcikowska*
20. **How do the plant traits and the grazing intensity affect the quantitative and qualitative components of facilitation?** *András Kelemen, Tamás Migléc, Balázs Deák, Csaba Vadász, Nóra Balogh, Béla Tóthmérész, Edina Tóth, Judit Sonkoly, Péter Török, Zsolt Molnár & Orsolya Valkó*
21. **Compliance of the grasslands classification after the application of two methods: standard observation and metabarcoding with ITS2, psAtrnH and trnFL regions.** *A. Nowak, S. Świercz, A. Rucińska, S. Nowak & M. Nobis*
22. **Adaptation to contrasting soil conditions has led to the evolution of ecotypes in *Santolina semidentata* Hoffmanns. & Link.** *Celestino Quintela-Sabarís, Rodrigo Carballal, Miguel Serrano, Carmen Monterroso, Julia Sánchez Vilas & Santiago Ortiz*
23. **Environmental niche and leaf morphological traits in the Iberian open shrubland species *Santolina semidentata* Hoffmanns. & Link. and allied taxa.** *Rodrigo Carballal, Miguel Serrano, Celestino Quintela-Sabarís & Santiago Ortiz*
24. **Diversity of mesic grassland in Polish Carpathians.** *Jan Zarzycki & Joanna Korzeniak*
25. **Creating urban wild flower meadows: experiment on the effect of abiotic conditions.** *Ellen De Vrieze, Stephanie Schelfhout, Eva DeCock, Iris Moeneclae, Margot Vanhellemont, Jan Mertens & Lander Baeten*
26. **Wild plant species introduction in urban lawns: can engagement of urban residents increase biodiversity.** *Rūta Sniedze-Kretalova, Liene Brizga-Kalnina & S. Rūsiņa*
27. **Nature at home: a public outreach project on bringing grassland species to gardens to increase urban biodiversity.** *Orsolya Valkó, Réka Kiss, Katalin Lukács & Laura Godó*
28. ***Themeda triandra* as a grain crop in south-eastern Australia: a review of agronomic possibilities and constraints, and future research needs.** *Dylan Male, James Hunt, John Morgan, Dorin Gupta & Corinne Celestina*



LIST OF PARTICIPANTS

Albizu, Isabel (Spain)
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 Arshad, Muhammad Naveed (United Kingdom)
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 Vynokurov, Denys (Spain)
 YE, Guohui (China)
 Zarzycki, Jan (Poland)

LOCATION OF VENUE AND LUNCH SITE



Map of Tolosa

-  Conference venue
-  Lunch site