INDEX

WELCOME ........................................................................................................... 3
COMMITTEES ........................................................................................................... 4
   Organizing Committee ....................................................................................... 5
   Scientific Advisory Committee ......................................................................... 6
GENERAL INFORMATION ..................................................................................... 7
TIMETABLE ............................................................................................................. 9
PROGRAM ............................................................................................................ 14
   Sunday, June 26th .......................................................................................... 15
   Monday, June 27th ......................................................................................... 15
   Tuesday, June 28th ......................................................................................... 19
   Wednesday, June 29th .................................................................................... 22
   Thursday, June 30th ....................................................................................... 22
   Friday, July 1st .................................................................................................. 26
POSTERS ............................................................................................................... 28
SPECIAL SESSIONS ............................................................................................... 29
SPONSORS ............................................................................................................ 44
Dear colleagues.

We cordially invite you all to take part in the 64th IAVS Annual Symposium in Madrid, Spain, the highly biodiverse southwestern corner of the European continent. The symposium, initially planned for the current year 2021, had inevitably to be postponed due to the COVID pandemic. The season now scheduled in Spain is a great choice for the symposium and for both pre-and post-symposium excursions.

We are aware of the difficulties and restrictions that still exist for free movement, international travel and for the search for resources. To facilitate maximum participation in the symposium, it has been decided, with the consensus of the IAVS Governing Board, that the format of the symposium will be hybrid; that is, both face-to-face and virtual. Please visit the symposium website carefully for more information on each modality.

The in person symposium will be held in Madrid, the capital of Spain, at the Ciudad Universitaria, a vast land area located in the northwestern part of the city, which is home to various educational, cultural, and official institutions and their related dependencies. The symposium will take place on the Moncloa Campus (Campus of International Excellence) of the Complutense University.

The main theme of the symposium is Vegetation dynamics and conservation of natural and semi-natural habitats in a climatic crisis scenario. Other related topics will include conservational and methodological strategies, human uses of the landscape and habitat restoration, among others. Specific themes include:

- Diversity and functioning of natural and semi-natural habitats
- Conservation of relict vegetation as threatened habitats
- Pre-human landscapes
- Human impact as a driver of vegetation dynamics
- Habitat restoration
- The role of cryptogams in terrestrial habitats
- What about the future? Conservation challenges

On behalf of the Organizing Committee, we hope you will find the opportunity to attend this symposium and to participate by sharing your recent research and works.

Madrid, June 2022
THE 64TH IAVS ANNUAL SYMPOSIUM IS PROUD OF THE HONORARY PRESIDENCY OF THEIR MAJESTIES THE KING AND QUEEN OF SPAIN, FELIPE VI AND LETIZIA

CASA DE S.M. EL REY

CREDENCIAL

Nº 166/2022

Sus Majestades los Reyes, accediendo a la petición que tan amablemente Les ha sido formulada, han tenido a bien aceptar la

PRESIDENCIA DE HONOR

del «64º SIMPOSIO ANUAL DE LA INTERNATIONAL ASSOCIATION FOR VEGETATION SCIENCE - IAVS», que se celebrará en Madrid del 24 de junio al 1 de julio de 2022.

Lo que me complace participarle para su conocimiento y efectos.

PALACIO DE LA ZARZUELA, de junio de 2022

EL JEFE DE LA CASA DE S.M. EL REY,

[Signature]

SEÑORES MIEMBROS DEL COMITÉ ORGANIZADOR DEL SIMPOSIO.

MADRID
COMMITTEES

Organizing Committee

Local Members

Daniel Sánchez-Mata
Rosario G. Gavilán García
Guillermo Amo
José Araújo
Paloma Cantó
Eladio Casado
Miguel Ángel Casermeiro
Verónica Cruz
Vicenta de la Fuente
Pradeep Divakar
Susana Elvira
Zuzana Ferencova
Leopoldo García Sancho
Alba Gutiérrez Girón
Raúl Hernández
Lourdes López Merino

Enrique Luengo
Juan Manuel Martínez Labarga
José Antonio Molina
María Núñez
Javier Pérez
Ana Pintado
José Raggio
Esteban Ramírez
Mª Manuela Redondo
Jesús Rojo
Jorge Romero
Agustín Rubio
Lourdes Rufo
Jesús Sánchez Dávila
Beatriz Sánchez
Irene Sánchez

Associated Members

Guillermo Benítez, Granada
Sara del Río, León
Federico Fernández, Toledo
Sandra García, Jaén
Juan Lorite, Granada
José Luis Izquierdo, Segovia
Saúl Manzano, León
Joaquín Molero, Granada

Juan Francisco Mota, Almería
Jaime Pereña, Málaga
Rosa Pérez Badía, Toledo
Andrés Pérez Latorre, Málaga
Víctor Rincón, Ávila
Pilar Rodríguez-Rojo, Toledo
Alfonso Rodríguez Torres, Toledo
Santiago Sardínaro, Toledo
Scientific Advisory Committee

Alicia Acosta, Italy
Francisco Alcaraz, Spain
Iva Apostolova, Bulgaria
Marcelino del Arco, Spain
Gianni Bacchetta, Italy
Eva Barreno, Spain
Francesco de Bello, Czech Republic
Frédéric Bioret, France
Idoia Biurrun, Spain
Carlo Blasi, Italy
Elgene O. Box, USA
Helge Bruelheide, Germany
Jorge Capelo, Portugal
Andraž Čarni, Slovenia
Alessandro Chiarucci, Italy
Milan Chytrý, Czech Republic
Sara Cousins, Sweden
Ana Crespo, Spain
Guillaume Decocq, France
José Delgadillo, México
Jürgen Dengler, Germany
Martin Diekman, Germany
Gabriela Entrocassi, Argentina
Nikolai Ermakov, Russian Federation
Adrián Escudero, Spain
Doug Evans, United Kingdom
Giuseppe Fenu, Italy
Alessandra Fidelis, Brazil
Scott Franklin, USA
Kazue Fujiwara, Japan
Antonio Galán, Spain
Daniela Gigante, Italy
Gian Pietro Giusso del Galdo, Italy
Riccardo Guarino, Italy
Tomaš Herben, Czech Republic
John Hunter, Australia
Monika Janišová, Slovakia
Florian Jansen, Germany
Borja Jiménez-Alfaro, Spain
Pavel Krestov, Russian Federation
Anna Kuzemko, Ukraine
Pierre Legendre, Canada
Jan Lepš, Czech Republic
Javier Loidi, Spain
Manuel Peinado, Spain
Federico Luebert, Chile
Corrado Marconè, Czech Republic
Peter Minchin, USA
Tiago Monteiro-Henriques, Portugal
Juan Carlos Moreno, Spain
Ladislav Mucina, Australia
Yukito Nakamura, Japan
Alireza Naqinezhad, Iran
Gonzalo Navarro, Bolivia
Vladimir Onipchenko, Russian Federation
Jesús Orlando-Rangel, Colombia
Michael W. Palmer, USA
Meelis Pärtel, Estonia
Franco Pedrotti, Italy
Robert Peet, USA
Ángel Penas, Spain
Pedro Luis Pérez de Paz, Spain
Valerio Pillar, Brazil
Richard Pott, Germany
John S. Rodwell, United Kingdom
Sonia Roig, Spain
Alfonso San Miguel, Spain
Joop H.J. Schaminée, Netherlands
Emma Shidolo, Namibia
Stephen Talbot, USA
Peter Török, Hungary
Emin Ugurlu, Turkey
Alejandro Velázquez, México
Viktoria Wagner, Canada
Wolfredo Wildpret, Tenerife
Wolfgang Willner, Austria
Susan Wiser, New Zealand
David Zelený, Taiwan
Martin Zobel, Estonia
VENUE

SCHOOL OF PHARMACY, COMPLUTENSE UNIVERSITY

Pza. Ramón y Cajal, s/n
Ciudad Universitaria. 28040
MADRID
Tel.: +34 91 394 7219 / +34 91 394 1705

ORGANIZED BY

International Association for Vegetation Science (IAVS)

280 – Boulevard du Souverain, 1160 Brussels, Belgium
Te.: +32 (0) 2 320 24 79
www.iavs.org

TECHNICAL SECRETARIAT

Kenes Group Spain
C/ Hermanos García Noblejas, 2, 4ª planta. 28027 Madrid
Tel. +34 91 361 26 00
iavsmadrid2022@kenes.com

TECHNICAL SECRETARIAT SCHEDULE

Sunday, 26th June: 17.00h – 19.00h
Monday, 27th June: 8.00h – 18.00h
Tuesday, 28th June: 8.00h – 18.00h
Thursday 30th June: 8.00h – 18.00h
Friday 1st July: 8.00h – 15.00h
CONGRESS BADGE
On arrival, you will receive your name badge at the registration desk.
The organization kindly ask you to carry always your badge with you at the Congress, during all sessions.

SOCIAL EVENTS
- Welcome reception will be held on Sunday, 26th June at the Congress Venue, at 19.00h.
- Complutense University Rector’s Welcome Party will be held on Monday, 27th June at the Congress Venue, at 19.30h.
- Gala dinner will be held on Thursday, 30th June at La Masía de Jose Luis, at 20.00h.
  *If you have previously registered for the dinner, upon collection of your accreditation you will receive the ticket.

ATTENDANCE CERTIFICATES
Participants will receive their Certificates of Attendance by email a week after the Congress finishes.

POSTER PRESENTATIONS
All posters will be displayed during the days of the congress.
The posters should be fixed on the corresponding board on Monday morning (June 27th) and must be removed at latest, on Friday (July 1st) before 15:00, Spanish time.
**SUNDAY, JUNE 26**

School of Pharmacy, Complutense University of Madrid, Classroom Hall

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:00-19:00</td>
<td>EARLY REGISTRATION</td>
</tr>
<tr>
<td>19:00-21:00</td>
<td>WELCOME RECEPTION</td>
</tr>
</tbody>
</table>

**MONDAY, JUNE 27**

<table>
<thead>
<tr>
<th>Time</th>
<th>220 classroom</th>
<th>221 classroom</th>
<th>225 classroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-18:00</td>
<td>REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Hall (ground floor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08:30-09:00</td>
<td>OPENING CEREMONY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>OPENING LECTURE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15-11:00</td>
<td>COFFEE BREAK / POSTER SESSION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-12:00</td>
<td>SPECIAL SESSION: REMOTE SENSING FOR VEGETATION SCIENCE</td>
<td>SPECIAL SESSION: CHALLENGES ON THE KNOWLEDGES OF HALOPHYTIC VEGETATION: WHAT WE KNOW AND WHAT WE MUST KNOW</td>
<td>SPECIAL SESSION: USING CLASSIFICATION TO ELUCIDATE VEGETATION DYNAMICS AND CONSERVATION OF HABITATS</td>
</tr>
<tr>
<td>12:00-13:00</td>
<td>SESSION 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:00-14:00</td>
<td>LUNCH BREAK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00-15:00</td>
<td>SPECIAL SESSION: HISTORICAL VEGETATION ECOLOGY AND CONSERVATION OF NATURAL AND SEMINATURAL NATURALS UNDER CLIMATE CHANGE</td>
<td>SPECIAL SESSION: PLANT AND VEGETATION MAPPING IN ECOLOGY AND CONSERVATION: PITFALLS, UNCERTAINTIES AND NEW WAYS FORWARD</td>
<td>SPECIAL SESSION: USING CLASSIFICATION TO ELUCIDATE VEGETATION DYNAMICS AND CONSERVATION OF HABITATS (CONT.)</td>
</tr>
<tr>
<td>15:00-16:00</td>
<td></td>
<td>SESSION 2</td>
<td></td>
</tr>
<tr>
<td>16:00-16:30</td>
<td>POSTER SESSION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:30-17:10</td>
<td>SPECIAL SESSION: HISTORICAL VEGETATION ECOLOGY AND CONSERVATION OF NATURAL AND SEMINATURAL NATURALS UNDER CLIMATE CHANGE (CONT.)</td>
<td>SPECIAL SESSION: PLANT AND VEGETATION MAPPING IN ECOLOGY AND CONSERVATION: PITFALLS, UNCERTAINTIES AND NEW WAYS FORWARD (CONT.)</td>
<td></td>
</tr>
<tr>
<td>17:10-19:00</td>
<td>IAVS EDITORIAL BOARD MEETING</td>
<td>WORKING GROUP MEETING LATIN AMERICA AND CARIBBEAN SECTION</td>
<td>WORKING GROUP MEETING YOUNG SCIENTISTS</td>
</tr>
<tr>
<td>19:30</td>
<td>ENGLISH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## TUESDAY, JUNE 28

<table>
<thead>
<tr>
<th>Time</th>
<th>220 classroom</th>
<th>221 classroom</th>
<th>225 classroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-18:00</td>
<td>REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Hall (ground floor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08:30-10:00</td>
<td>KEYNOTE TALK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>COFFEE BREAK / POSTER SESSION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-12:10</td>
<td>SPECIAL SESSION: THREATENED VEGETATION OF LATIN AMERICA AND THE CARIBBEAN: PROSPECTS AND APPROACHES</td>
<td>SPECIAL SESSION: CAN RESTORATION OF NATURAL FORESTS IN URBAN AREA AMELIORATE GLOBAL WARMING AND ENHANCE BIODIVERSITY?</td>
<td>SESSION 3</td>
</tr>
<tr>
<td>11:10-12:10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:10-13:10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:10-14:10</td>
<td>LUNCH BREAK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:10-14:50</td>
<td>SPECIAL SESSION: THREATENED VEGETATION OF LATIN AMERICA AND THE CARIBBEAN: PROSPECTS AND APPROACHES (CONT.)</td>
<td></td>
<td>SESSION 5</td>
</tr>
<tr>
<td>14:50-16:10</td>
<td></td>
<td></td>
<td>SESSION 6</td>
</tr>
<tr>
<td>16:10-16:40</td>
<td>POSTER SESSION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:40-17:20</td>
<td>SPECIAL SESSION: THREATENED VEGETATION OF LATIN AMERICA AND THE CARIBBEAN: PROSPECTS AND APPROACHES (CONT.)</td>
<td></td>
<td>SESSION 5 (CONT.)</td>
</tr>
<tr>
<td>17:30-20:30</td>
<td></td>
<td></td>
<td>IAVS COUNCIL MEETING</td>
</tr>
</tbody>
</table>
## PROGRAM

### WEDNESDAY, JUNE 29

**MID-SYMPOSIUM EXCURSIONS**

### THURSDAY, JUNE 30

<table>
<thead>
<tr>
<th>Time</th>
<th>220 classroom</th>
<th>221 classroom</th>
<th>225 classroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-18:00</td>
<td>REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Hall (ground floor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>KEYNOTE TALK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>COFFEE BREAK / POSTER SESSION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-12:50</td>
<td>SPECIAL SESSION: INSIGHTS FROM COMMUNITY ASSEMBLY FOR ECOSYSTEM RESTORATION</td>
<td>SPECIAL SESSION: ECOCOLICAL STABILITY, FROM VEGETATION SCIENCE TO ECOSYSTEM PROCESSES</td>
<td>SESSION 7</td>
</tr>
<tr>
<td>12:50-13:50</td>
<td>LUNCH BREAK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:50-15:30</td>
<td>SESSION 8</td>
<td>SPECIAL SESSION: ECOCOLICAL STABILITY, FROM VEGETATION SCIENCE TO ECOSYSTEM PROCESSES (CONT.)</td>
<td>SESSION 9</td>
</tr>
<tr>
<td>15:30-16:00</td>
<td>POSTER SESSION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:00-17:20</td>
<td>SESSION 8 (CONT.)</td>
<td>SESSION 10</td>
<td>SESSION 9 (CONT.)</td>
</tr>
<tr>
<td>17:30</td>
<td>WORKING GROUP MEETING ECOINFORMATICS</td>
<td>WORKING GROUP MEETING VEGETATION CLASSIFICATION</td>
<td>WORKING GROUP MEETING HISTORICAL VEGETATION</td>
</tr>
<tr>
<td>20:00-23:00</td>
<td>GALA DINNER</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## FRIDAY, JULY 1

<table>
<thead>
<tr>
<th></th>
<th>220 classroom</th>
<th>221 classroom</th>
<th>225 classroom</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-15:00</td>
<td>REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Hall (ground floor)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:00-10:00</td>
<td>KEYNOTE TALK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00-10:30</td>
<td>COFFEE BREAK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30-12:30</td>
<td>SESSION 11</td>
<td>SESSION 12</td>
<td>SESSION 13</td>
</tr>
<tr>
<td>12:30-13:30</td>
<td>LUNCH BREAK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13:30-14:30</td>
<td>GENERAL ASSEMBLY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:30-15:00</td>
<td>CLOSING CEREMONY</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SUNDAY, June 26th

School of Pharmacy, Complutense University of Madrid, Classroom Building (ground floor)

17:00-19:00 EARLY REGISTRATION
19:00-21:00 WELCOME RECEPTION

MONDAY, June 27th

8:00-18:00 REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Building (ground floor)

08:30-09:00 OPENING CEREMONY
UCM Chancellor and Vice-Chancellors, Dean of the UCM School of Pharmacy, representatives of the Spanish Government, Madrid Regional Government, and private sponsors, Susan Wiser (President of the IAVS), Daniel Sánchez-Mata (on behalf of Local Organizing Committee)

09:00-10:00 OPENING LECTURE
Biogeography of the Mediterranean vegetation of South America
Federico Luebert, University of Chile (Chile)

10:15-11:00 COFFEE BREAK / POSTER SESSION

11:00-12:00 SPECIAL SESSION: Remote sensing for vegetation science

11:00-11:20 Jana Mullerova: Effects of changing scales on remote sensing assessment of vegetation heterogeneity - an example from alpine tundra
11:20-11:40 Michela Perrone: Linking spectral and plant diversity at the landscape scale: disentangling lights and shadows of different metrics
11:40-12:00 Flavio Marzialetti: Combining unmanned aerial and satellite data for detecting Non-Native Tree Species: an insight on Acacia saligna invasion in the Mediterranean coast

11:00-13:00 SPECIAL SESSION: Challenges on the knowledges of halophytic vegetation: what we know and what we must know

11:00-11:20 Daniel Sánchez-Mata: Challenges and insights for the understanding and classification of halophytic vegetation in Europe and North Africa
11:20-11:40 Gianmarco Tavilla: Overview of the Salicornietea fruticosae class in the central Mediterranean area
11:40-12:00 Milan Chytry: Halophytic vegetation in the northwestern Pannonian region: a story of dramatic decline and partial restoration
12:00-12:20 Salvatore Cambria: Nomenclatural and syntaxonomical remarks on the Thero-Salicornietea strictae class
12:20-12:40 Ricarda Pätsch: The role of salinity and salt composition for species of salt-affected environments: a case study from the Pannonian Basin
12:40-13:00 Daniel B. Montesinos-Tubée: Structure and Conservation of Halophytic Vegetation Environments in the Central Andes

11:00-11:20 Javier Loidi: Bioclimatic definition of the world biomes
11:20-11:40 Scott Franklin: Species’ Suite Shifts to Disturbance and Climate Regime Shifts
11:40-12:00 John Hunter: Preliminary vegetation macrogroups for the Northern Territory, Australia based on an analysis of a large plot-based dataset
12:00-12:20 Daniel Sánchez-Mata: Ultramafic vegetation in California
12:20-12:40 Jorge Capelo: Comparing supervised classification methods to predict and identify vegetation-types of Macaronesia
12:40-13:00 Gianmaria Bonari: Classification and ecology of Pinus nigra forest vegetation

12:00-13:00 SPECIAL SESSION: Using classification to elucidate vegetation dynamics and conservation of habitats

14:00-16:00 SPECIAL SESSION: Historical vegetation ecology and conservation of natural and seminatural naturals under climate change

14:00-14:20 Guillaume Decocq: Landscape history matters in explaining current patterns of species and genetic diversity within forest plant metacommunities
14:20-14:40 Enrico Tordoni: A synthetic evaluation of global plant diversity facets highlights the relative roles of historical, environmental, and anthropogenic factors
14:40-15:00 Wolfgang Willner: Historical biogeography of the steppe grasslands in eastern Central Europe
15:00-15:20 Greta La Bella: Mechanisms behind stability along a sea-inland environmental gradient
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:20-15:40</td>
<td>Marta Ancāne: Investigating farmers’ preferences for the design and contents of training under grassland-related agri-environmental measures – a case study in Latvia</td>
</tr>
<tr>
<td>15:40-16:00</td>
<td>Giulio Zangari: Plant diversity in archaeological sites as bioindicator of the present and the past uses, and its importance for conservative issues: the case of Etruscan tombs of Tarquinia (Italy)</td>
</tr>
<tr>
<td>14:00-16:00</td>
<td>SPECIAL SESSION: Plant and vegetation mapping in ecology and conservation: pitfalls, uncertainties, and new ways forward</td>
</tr>
<tr>
<td>15:00-16:00</td>
<td>SPECIAL SESSION: Using classification to elucidate vegetation dynamics and conservation of habitats (cont.)</td>
</tr>
<tr>
<td>15:00-16:00</td>
<td>SESSION 2</td>
</tr>
<tr>
<td>16:00-16:30</td>
<td>POSTER SESSION</td>
</tr>
</tbody>
</table>
16:30-17:10  SPECIAL SESSION: Historical vegetation ecology and conservation of natural and seminatural naturals under climate change (cont.)

16:30-16:50  Déborah Closset: Past land uses: Soils don't forget!
16:50-17:10  Kamila Reczyńska: Ancient forests become more like recent ones. Marginal role of forest habitat continuity in shaping understory vegetation of mountain, temperate forests

16:30-17:10  SPECIAL SESSION: Plant and vegetation mapping in ecology and conservation: pitfalls, uncertainties and new ways forward (cont.)

16:30-16:50  Ludovico Chieffallo: Mixing distributions: the colorist R package applied to community distribution estimate
16:50-17:10  Eleonora Beccari: The devil is in the details: plant spectral diversity from high-resolution imagery captures taxonomic and functional diversity facets in coastal dune communities.

16:30-17:10  SESSION 2 (CONT.)

16:30-16:50  Shuo Wei: The influence of environmental factors and biotic interactions on the early-stage establishment of Chamaecyparis obtusa var. formosana seedlings in Taiwan
16:50-17:10  Marcos B. Carlucci: A review on the mechanisms of expansion and regeneration of the Araucaria Mixed Forest

17:10-19:10  IAVS EDITORIAL BOARD Meeting

17:10-19:00  Working Group Meeting LATIN AMERICA AND CARIBBEAN SECTION

17:10-19:00  Working Group Meeting YOUNG SCIENTISTS

19:30  Complutense University Rector’s WELCOME PARTY
TUESDAY, June 28th

8:00-18:00  REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Building (ground floor)

08:30-10:00 KEYNOTE TALK

The quest for explanations of trait-divergence patterns in plant communities
Valerio De Patta Pillar, Federal University of Rio Grande do Sul (Brazil)

10:00-10:30 COFFEE BREAK / POSTER SESSION

10:30-13:10 SPECIAL SESSION: Threatened Vegetation of Latin America and the Caribbean: prospects and approaches

10:30-10:50 Gabriella Damasceno: sPlot 4.0: a call for researchers from the Global South
11:10-11:30 Pedro Pañella: Seed harvesting performance in a native grassland of South America
11:30-11:50 Melissa A. Giorgis: Long-term post-fire dynamics of alternative vegetation states in a seasonally dry subtropical forest
11:50-12:10 Gwendolyn Peyre: Plant invasions in the northern Andes: a socio-ecological perspective
12:10-12:30 Vladimir Minorta-Cely: The Colombian Orinoquia vegetation: an overview of its biodiversity, threats and conservation status
12:30-12:50 Miguel Alvarez: Documenting syntaxonomy in vegetation-plot databases: The case of Chilean vegetation in “sudamerica”
12:50-13:10 María Díaz: Mycorrhizae and plant assemblages in a Neotropical hotspot: the Andean paramo

10:30-12:00 SPECIAL SESSION: Can restoration of natural forests in urban area ameliorate global warming and enhance biodiversity?

10:30-10:45 Elgene Box: Carbon sequestration and the contribution of created forests
10:45-11:00 Kazue Fujiwara: Can creation of natural forests by the Miyawaki method contribute to human life?
11:00-11:15 Nicolas de Brabantère: Experiences with the Miyawaki method in Belgium and France
11:15-11:30 Loïc Dahan: Colonization of the coleoptera in Miyawaki forests – pendiente incluir numero de abstracs y meter en events
11:30-11:45 Fabrice Ottburg: Citizen Science and determining biodiversity in 11 Tiny Forests in the Netherlands
11:45-12:00 Daan Bleichrodt: “How Tiny (urban) Forests Boost the Well-being of Inner-city Children”

10:30-11:10 SESSION 3

10:30-10:45 Lorenzo Ricci: Plot sizes affect patterns of plant diversity
10:45-11:00 Jesús Rojo: Dynamics and phenology of the urban spontaneous vegetation in the city of Toledo (central Spain)
SPECIAL SESSION: Plant invasions

11:10-11:30  David Ward: Reinvasion of Native Invasive Trees After a Tree-Thinning Experiment in an African Savanna
11:30-11:50  Thomas Kichey: Leaf functional traits of Rhododendron ponticum invasive populations along an environmental gradient
11:50-12:10  Margherita Gioria: Invasive plants use similar seed banking strategies at home and abroad
12:10-12:30  Anikó Csecserits: Milkweed (Asclepias syriaca) invasion cannot be controlled based on trait similarity in sandy grasslands due to strong environmental filtering
12:30-12:50  Luigi Cao Pinna: Invasion dynamics of alien species in Mediterranean Europe
12:50-13:10  Patricia Díaz Cando: Early establishment and seed bank of Sporobolus cryptandrus (Poaceae) – a new invasive species in sand grasslands of Hungary

SESSION 4

12:10-12:30  Sergey Rosbakh: Inferring community assembly processes from functional seed trait variation along temperature gradient
12:30-12:50  Amarizni Mosyaftiani: Monitoring and Analysis of Tree Diversity Using i-Tree Eco to Strengthen Urban Forest Management
12:50-13:10  Francesco Maria Sabatini: Impacts of land use change on plant species composition across ecoregions

SPECIAL SESSION: Threatened Vegetation of Latin America and the Caribbean: prospects and approaches (cont.)

14:10-14:30  Patricia Mai Morente: Local and regional determinants of plant diversity at rocky marine habitats in Uruguay
14:30-14:50  Bianca Ott Andrade: Patterns of plant vascular species richness, endemism, and vulnerability in the Brazilian Pampa biome
14:50-15:10  Cloe Xochitl Pérez-Valladares: Brahea dulcis palms -stands in central-southern Mexico: a case of Landscape Domestication
15:10-15:30  Aline Bombo: Fire frequency causes intraspecific variation in the belowground bud bank from herbaceous Cerrado species
15:30-15:50  Marco Chiminazzo: Fire and shade filter woody communities according to their bark production in the Cerrado

SESSION 5

14:10-14:30  Jitka Klimesova: How clonal and bud bank traits may affect ecosystem functions?
14:30-14:50  Vitaly Kryukov: Detailed approach to urban protected areas downgrading, downsizing, degazettement and design of proposals – PA4D
14:50-15:10  Andrew Pyszka: Changes in species composition and diversity of loess hill prairies in southwest Illinois
15:10-15:30  Gwendolyn Peyre: Spatial patterns of plant assemblages in the alpine biome
15:30-15:50  **Junichi Fujinuma**: Decoupling dark diversity affinities of species and sites using Bayesian method: what accounts for absences of suitable taxa?

15:50-16:10  **Verónica Pinelli**: Functional traits and diversity as determinants of plant decomposition in temporary ponds: insights from a field experiment

**14:10-14:50**
**SPECIAL SESSION: Plant invasions (cont.)**

14:10-14:30  **Loretta Battaglia**: Impacts of fruiting neighborhoods on avian seed dispersal in coastal wetlands along the northern Gulf of Mexico

14:30-14:50  **Leonardo H. Teixeira**: Effects of controlling an invasive native plant on ecosystem multifunctionality of wet grasslands

**14:50-16:10**
**SESSION 6**

14:50-15:10  **Jan Šturma**: Novel vegetation of the former Iron Curtain: a valuable relic of a Cold War era

15:10-15:30  **Josep Padullés Cubino**: Past and present influence of macroclimate on the phylogenetic structure of European alpine floras

15:30-15:50  **Piero Zannini**: Measuring the effectiveness of Natura 2000 network in conserving plant diversity

15:50-16:10  **Peter le Roux**: Shrub cover is weakly related to species richness and composition in a montane grassland: implications for bush encroachment

**16:10-16:40**
**POSTER SESSION**

**16:40-17:20**
**SPECIAL SESSION: Threatened Vegetation of Latin America and the Caribbean: prospects and approaches (cont.)**

16:40-17:00  **Hudson Fontenele**: Is ash an important cue to the germination of fire-stimulated Cerrado species?

17:00-17:20  **Bruna Campos**: The floristic continuum of interfluvial Cerrado grasslands

**16:40-17:20**
**SESSION 5 (CONT.)**

16:40-17:00  **Giovanna Pezzi**: Pattern of diversity of Castanea-dominated formations along environmental gradients in the Tuscan-Emilian Apennines

17:00-17:20  **Victoria Eugenia Martín Osorio**: Himantoglossum metlesiciianum (W. P. Teschner) P. Delforge, (Orchidaceae) a critically endangered orchid and its response to climate change

**16:40-17:20**
**SESSION 6 (CONT.)**

16:30-16:50  **Roberto Cazzolla Gatti**: Ghostplantsters: Mapping undiscovered tree species worldwide

16:50-17:10  **Borja Jiménez-Alfaro**: Climate drivers of biodiversity in European fen vegetation

**17:30-20:30**
**IAVS Council Meeting**
WEDNESDAY, June 29th

08:00-18:30 MID-SYMPOSIUM EXCURSIONS

THURSDAY, June 30th

8:00-18:00
REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Building (ground floor)

09:00-10:00
KEYNOTE TALK
Functional vegetation research with the global plot database sPlot - Where do we stand, where do we want to go?
Helge Bruelheide, Martin Luther University, Halle-Wittenberg (Germany)

10:00-10:30 COFFEE BREAK / POSTER SESSION

10:30-12:50 SPECIAL SESSION: Insights from community assembly for ecosystem restoration

10:30-10:50 Jaime Madrigal: Climate reverses causality in the diversity-abundance relationship in natural plant communities: insights across spatial and temporal sources of variability

10:50-11:10 Oscar Godoy: Applying coexistence theory to restoration: Overview and empirical examples

11:10-11:30 Rosina Soler: Native vegetation recovery after herbivore exclusion in antarctic beech (Nothofagus antarctica) forests

11:30-11:50 Marie-Lise Benot: Effect of hay transfer and management on functional and taxonomic restoration of plant communities in a floodplain grassland

11:50-12:10 Matthew Ruggirello: Setting restoration priorities for burned Nothofagus forests in Tierra del Fuego, Argentina: impact of distance from fire boundary and remnant live trees on seedling and sapling regeneration

12:10-12:30 Carmen Ureña: Slope exposure and species identity modulate positive effects of admixture on drought impact in Mediterranean mountain forests

12:30-12:50 Jalil Noroozi: Poor protection of alpine hotspots in a global biodiversity hotspot

10:30-12:50 SPECIAL SESSION: Ecological stability, from vegetation science to ecosystem processes

10:30-10:50 Felicia Fischer: Designing communities for trait-based-biodiversity-experiments: new tools to explore functional trait effects on ecosystem stability

10:50-11:10 Jan Leps: Resistance and resilience: it is much easier to destroy species rich meadow than to restore it

11:10-11:30 Jules Segrestin: Drivers of the spatial stabilization of metacommunities: from theory to data analysis

11:50-12:10 **Adriane Esquivel Muelbert**: Forests in transition: lessons learned from large data on forest dynamics

12:10-12:30 **Emma Ladouceur**: Species losses, gains, and changes in persistent species are associated with distinct effects on ecosystem functioning in global grasslands

12:30-12:50 **Lucie Mahaut**: Trade-offs between ecosystem productivity and stability for the grassland biome

### 10:30-12:50

#### SESSION 7

10:30-10:50 **Julia Parsons**: Interspecific interactions shift the response to temperature in ten Mediterranean grassland species

10:50-11:10 **Michael Ewald**: Links, between soil properties and plant community composition in nutrient-poor habitats

11:10-11:30 **Jolina Paulssen**: Relation between gamma- (regional) and alpha (local) diversity in forests

11:30-11:50 **Marion Casati**: Impact of the invasive shrub Rhododendron ponticum on the herb layer in Atlantic French forests

11:50-12:10 **Ngoako Letsoalo**: An assessment of rangeland condition under different land tenures and biomes in South Africa

12:10-12:30 **Denys Vynokurov**: Syntaxonomical delimitation of calcareous perennial dry grasslands and scrub of Southern Europe

12:30-12:50 **Susanne Horka**: Taxonomical and functional changes in dry grassland vegetation after 30 years

### LUNCH

### 12:50-13:50

### SESSION 8

13:50-14:10 **Adu-Gyamfi Asamoah**: Farmers adaptation measures to climate change in Ghana

14:10-14:30 **Meelis Pärtel**: DarkDivNet: A global research collaboration successfully estimates the dark diversity of plants

14:30-14:50 **Riin Tamme**: Global patterns of observed and dark diversity brought to light by the DarkDivNet research network

14:50-15:10 **Liana Kindermann**: How to estimate woody aboveground biomass and biomass losses in disturbance-prone ecosystems

15:10-15:30 **Joshua Tsamba**: Drivers of species richness are sensitive to grain size on a sub-Antarctic island

### 13:50-15:30

#### SPECIAL SESSION: Ecological stability, from vegetation science to ecosystem processes (cont.)

13:50-14:10 **Tomas Herben**: How rare are rare events and how they look like?

14:10-14:30 **Dylan Craven**: Biodiversity change destabilizes secondary forest productivity across spatial scales in a human-dominated tropical landscape

14:30-14:50 **Marcos Fernández Martínez**: Are global carbon sinks destabilising?
14:50-15:10  **Estrella Luna-Diez**: Effect of mixed plantations and neighbouring species in the resistance to ash dieback disease
15:10-15:30  **Daniela Hoss**: A global assessment on the effects of plant functional redundancy on grassland ecosystem stability during climatic anomalies

**SESSION 9**
13:50-15:30  **SESSION 9**

13:50-14:10  **Leopoldo De Simone**: Is riparian vegetation differentially affected by alien species and environmental factors according to its structure?
14:10-14:30  **David Cevallos**: Supporting vegetation conservation by the development of seed transfer zones of herbaceous species in Hungary
14:30-14:50  **Jill Rapson**: Do we yet know what a plant community is?
14:50-15:10  **Shane Chalwell**: Hummock Grasslands of the Mosquito Creek Basin
15:10-15:30  **Gabriele Midol**: Disturbance indicator values for European plants

**POSTER SESSION**
16:00-17:20  **SESSION 8 (CONT.)**
16:00-16:20  **William Rogers**: Experimental tests of fire energy effects on resprouting shrub and grass persistence in a semi-arid savanna ecosystem
16:20-16:40  **Pauline Douce**: Functional response of the macrophyte species Limosella australis R.Br. to combined biotic interactions and thermal stress. Consequences for aquatic ecosystem productivity and nutrient cycles
16:40-17:00  **Eduardo Fernández-Pascual**: Microspatial models of plant extinctions within an alpine species pool
17:00-17:20  **Peter Minchin**: Response of the alpine and subalpine vegetation of Mt. Field Plateau, Australia to a warming climate

**SESSION 10**
16:00-16:20  **Michele Torresani**: Assessment of flower and bee diversity by UAV images. A case study within the H2020 SHOWCASE project
16:20-16:40  **Léa Uroy**: Current woodland plant assemblages result from landscape connectivity dynamics over the past decades
16:40-17:00  **Markus Bauer**: Beta diversity of restored grasslands: plant diversity can profit from spatio-temporal variability
17:00-17:20  **Adalgisa Maria Chaib**: A future scenario influences netropic savana's seedling growth

**SESSION 9 (CONT.)**
16:00-16:20  **Luciana Menezes**: Sampling gaps in plant communities from Brazilian grassy ecosystems
16:20-16:40  **Soizig Le Stradic**: Fire promoted underground organ biomass but decreased root biomass and bud bank size in old-growth grassland.
16:40-17:00  **Théodore Lefebvre**: Trunk spines: a physical defense of trees against bark removal and climbing by mammals?
17:00-17:20  **Estela Illa Bachs**: Reproductive patterns of snowbed specialists and alpine generalists in Pyrenean snowbeds in years with contrasted snowpack duration
<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:30</td>
<td>220 classroom</td>
<td>Working Group meeting ECOINFORMATICS</td>
</tr>
<tr>
<td>17:30</td>
<td>221 classroom</td>
<td>Working Group meeting VEGETATION CLASSIFICATION</td>
</tr>
<tr>
<td>17:30</td>
<td>225 classroom</td>
<td>Working Group meeting HISTORICAL VEGETATION</td>
</tr>
<tr>
<td>20:00-23:00</td>
<td></td>
<td>GALA DINNER</td>
</tr>
</tbody>
</table>
FRIDAY, July 1st

8:00-18:00  REGISTRATION, School of Pharmacy, Complutense University of Madrid, Classroom Building (ground floor)

09:00-10:00  KEYNOTE TALK
Biodiversity monitoring: past, present and future challenges
Manuela Winkler, University of Natural Resources and Life Sciences, Vienna (Austria)

10:00-10:30  COFFEE BREAK

10:30-12:30  SESSION 11

10:30-10:50 Carlos P. Carmona: Global observed and dark functional diversity in DarkDivNet
11:10-11:30 Solvita Rūsiņa: Re-creation of grassland by sowing low-diversity grass seed mixture: short-term impacts on soil, vegetation and farming
11:30-11:50 Viktoria Wagner: Long-term effects of selective herbicides in a grassland community
11:50-12:10 Mogamat Igshaan Samuels: Characteristics of poisonous plant patches in the semi-arid and arid rangelands of Namaqualand, South Africa
12:10-12:30 Francesco de Bello: Differences in trait-environment relationships: Implications for 'Community Weighted Means' (CWMs) tests

10:30-12:10  SESSION 12

10:30-10:50 Stephan Kambach: Habitat-specificity of climate-trait relationships in vascular plants
10:50-11:10 Károly Penksza: Possibilities of speciation in the sandy area of the Carpathian Basin through the example of Festuca taxa
11:10-11:30 Riccardo Testolin: Identifying plant diversity hotspots in small Mediterranean islands
11:30-11:50 Anna E-Vojtkó: Phylogenetic diversity is a weak proxy for functional diversity, but both contribute to community assembly patterns in temperate vegetation types
11:50-12:10 Mia Momberg: Are broad-scale vegetation patterns moulded by wind?
12:10-12:30 Frances Siebert: Is a treeless savanna a grassland? The answer lies in the forb layer

10:30-12:10  SESSION 13

10:30-10:50 James Rosson: An empirical test of the longitudinal tree species diversity gradient in eastern North America
10:50-11:10 Péter Török: Livestock-type does matter: Intensity-dependent effects of cattle-and sheep grazing in sand grasslands
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:10-11:30</td>
<td>Francisco Emmanuel Mendez-Castro: Life history- and species-specific plant persistence strategies on edaphic islands</td>
</tr>
<tr>
<td>11:30-11:50</td>
<td>Cendrine Mony: Plants affect root-associated fungi through edge and corridor effects</td>
</tr>
<tr>
<td>11:50-12:10</td>
<td>Enrique Valencia: Effects of grazing and water availability on the functional structure and ecosystem functions of a semi-arid gypsum community</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30-13:30</td>
<td>LUNCH</td>
</tr>
<tr>
<td>13:30-14:30</td>
<td>GENERAL ASSEMBLY</td>
</tr>
<tr>
<td>14:30-15:00</td>
<td>CLOSING CEREMONY</td>
</tr>
</tbody>
</table>
SS COMMASS

Insights from community assembly for ecosystem restoration

SSP2

MAINTAINING GRASSLAND-FOREST MOSAICS FORMED AS A RESULT OF HABITAT RECONSTRUCTION IN THE TEMPERATE DECIDUOUS ZONE OF THE PANNON REGION

Dr. Gergely Pápay¹, Dr. Péter Csontos², Dr. Ferenc Pajor³, Dr. Márta Fuchs⁴, Prof. Károly Penksza²

¹Hungarian University Of Agronomy And Life Sciences, Institute Of Agronomy, Department Of Botany, Gödöllő, Hungary, ²Institute for Soil Sciences, Centre for Agricultural Research, Budapest, Hungary, ³Hungarian University of Agriculture and Life Sciences, Institute of Animal Sciences, Gödöllő, Hungary, ⁴Hungarian University of Agriculture and Life Sciences, Institute of Environmental Sciences, Gödöllő, Hungary

SSP3

FOREST RESILIENCE AFTER EXTREME WINDS: EFFECT OF MATERIAL LEGACIES ON TREE REGENERATION CAPACITY

Dr. Asier Herrero¹, Clara Jiménez-Martínez², Silvia Medina-Villar¹, Verónica Cruz-Alonso³, Julen Astigarraga⁴, Nere Amaia Laskurain⁵

¹Complutense University of Madrid, Madrid, Spain, ²University of Pablo Olavide, Sevilla, Spain, ³Harvard University, United States of America, ⁴University of Alcalá, Spain, ⁵University of Basque Country, Spain
SS RESENSING
Remote Sensing for Vegetation Science

SSP5
MAPPING OF HABITAT OF CASPIAN WHIP SNAKE (DOLICHOPHIS CASPIUS) BY REMOTE SENSING IN HUNGARY

Mr. Attila Fúrész¹, Dr. Gergely Pápay¹, Dr. Károly Penksza¹, Mr. Zsolt Molnár², Dr. Gábor Bakó²
¹Hungarian University of Agriculture and Life Sciences, Institute of Agronomy, Gödöllő, Hungary; ²Interspect Ltd., Halásztelek, Hungary

SSP6
EFFECT OF LANDSCAPE STRUCTURE ON POTENTIAL AND EXPRESSED PLANT BIODIVERSITY IN GRASSLANDS: A COMBINATION OF REMOTE SENSING TOOLS AND FIELD SURVEYS

Dr. Cendrine Mony¹, Dr. Sebastien Rapinel², Dr Aude Ernoult¹, Dr Benjamin Carbonne¹, Dr Laurence Hubert-Moy²
¹University Of Rennes1, Rennes, France, ²University of Rennes2, Rennes, France

SSP7
PASTORAL VALUE, REMOTE SENSING, AND VEGETATION ANALYSIS FOR ANNEX I GRASSLAND HABITATS CONSERVATION: FIRST DATA FROM MAIELLA NATIONAL PARK (CENTRAL ITALY)

Dr. Daniela Gigante¹, Dr. Simone Angelucci², Dr. Federica Bonini³, Dr. Federico Caruso¹, Dr. Giampiero Ciaschetti³, Dr. Valter Di Cecco³, Dr. Giuseppe Marcantoniò³, Prof. Luciano Morbidini³, Prof. Mariano Pauselli¹, Dr. Andrea Tassi¹, Prof. Bernardo Valentì¹, Prof. Marco Vizzari¹, Dr. Luciano Di Martino²
¹Department of Agricultural, Food and Environmental Sciences, University of Perugia, Perugia, Italy, ²Maiella National Park, Sulmona (AQ), Italy

HISTVEG
Historical vegetation ecology and conservation of natural and semi-natural habitats under climate change

SSP8
PAST VEGETATION DYNAMICS AND HUMAN PEOPLING OF SICILY DURING THE HOLOCENE

Prof. Giuseppe Bazan¹, Dr. Angelo Castrorao Barba², Prof. Valentino Romano¹, Prof. Luca Sineo¹
¹Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF), University of Palermo, Palermo, Italy, ²The Polish Academy of Sciences - Institute of Archaeology and Ethnology, Centre for Late Antique and Early Medieval Studies , Warsaw/ Wroclaw, Poland
**P1**

**EFFECTS OF FIRE FREQUENCY ON HERBACEOUS LAYER OF OPEN SAVANNAS PLANT COMMUNITIES**

*Ms. Cassy Rodrigues*, Dr. Alessandra Fidelis

1Universidade Estadual Paulista (UNESP), Rio Claro, Brazil

**P2**

**THE EFFECT OF FIRE EXCLUSION ON ABOVEGROUND BIOMASS OF TROPICAL OLD-GROWTH GRASSLANDS**

*M. Vagner Zanzarini*, Ms Giovana L. Chiari, Ms Mariana Dairel, Dr Soizig Le Stradic, Dr Alessandra Fidelis

1Universidade Estadual Paulista (UNESP), Rio Claro, Brazil, 2Technical University of Munich, Freising, Germany, 3INRAE/University of Bordeaux, Pessac, France

**P3**

**THE HISTORICAL RANGE OF FIRE AND VEGETATION VARIABILITY INFORMS CURRENT NATURE CONSERVATION STRATEGIES**

*Dr. Přemysl Bobek*, Dr. Jan Šturma, Dr. Petr Kuneš

1Institute of Botany of the Czech Academy of Sciences, Průhonice, Czech Republic, 2Charles University, Prague, Czech Republic

**P4**

**FIRE PROMOTES COMPOSITIONAL CHANGES IN PLANT COMMUNITIES ONLY AT FINE SPATIAL SCALES**

*Ms. Gabriela Dezotti*, Mrs. Alessandra Fidelis, Mrs. Cassy Ane Rodrigues, Mr. Tadeu Siqueira

1São Paulo State University, Rio Claro, Brazil

**P5**

**HOW DOES FIRE HISTORY AFFECT THE RESILIENCE OF OPEN ECOSYSTEMS OF THE CERRADO?**

*M. Mariana Dairel*, Prof Alessandra Fidelis

1UNESP, Av. 24A, N 1515, Rio Claro, Brazil
AN OVERVIEW OF WILDFIRE EVENTS ACROSS EUROPE IN THE LAST 15 YEARS: IMPACTS ON THE MAJOR VEGETATION TYPES

Dr. Michele Di Musciano1,2, Dr. Lorenzo Ricci1, Dr. Elisa Thouverai2, Prof. Duccio Rocchini2,3, Dr. Piero Zannini1, Dr. Nicola Alessii, Dr. Marco Cervellini1, Dr. Valter Di Cecco1,4, Dr. Marcello Miozzo5, Prof. Alessandro Chiarucci1, Prof. Anna Rita Frattaroli

1Department of Life, Health & Environmental Science, University of L’Aquila, L’Aquila, Italy, 2BIOME Lab, BiGeA Department, Alma Mater Studiorum - University of Bologna, Bologna, Italy, 3Department of Spatial Sciences, Faculty of Environmental Sciences, Czech University of Life Sciences Prague, Praha -Suchdol, Czech Republic, 4Maiella Seed Bank, Maiella National Park, Lama dei Peligni (CH), Italy, 5D.R.E.Am. Italia, Pratovecchio (AR), Italy

FIRE MODULATES GERMINATION RESPONSES OF DRY AND WET GRASSLAND SPECIES TO SIMULATED FUTURE TEMPERATURES AND OSMOTIC STRESS

Ms Cristiele Souza1, Dr Desirée Ramos2, Dr Eduardo Barbosa1, Dr Fabian Borghetti1

1University of Brasilia, Brasilia, Brazil, 2São Paulo State University, Rio Claro, Brazil

DIFFERENCES BETWEEN VEGETATION ON THE CZECH AND THE BAVARIAN SIDE OF THE IRON CURTAIN

Ms. Petra Karesova1, Mgr. Jan Sasek1, Mgr. Jan Sturma1

1Charles Univeristy, Benatska7, Prague, Czech Republic

CURRENT VEGETATION ON THE “MOTAS” AND “MATAS” OF THE ALBUFERA NATURAL PARK (VALENCIA, SPAIN)

Mr. Borja Sanz Gracia1, Dr. Maria Ferriol Molina1, Dr. Herminio Boira Tortajada1

1Universitat Politècnica De València, Valencia, Espanya

REGENERATION RESULTS OF PANNONIC SAND STEPPE VEGETATION IN URBAN ENVIRONMENT (2006-2021), HUNGARY

Zoltán Bajor1, Dr. Eszter Saláta-Faluszi1, Dr. Dénes Saláta2, Dr. Gergely Pápay1, Dr. Zsuzsa Lisztes-Szabó3, Dr. Károly Penksza1

1Hungarian University Of Agriculture And Life Sciences I OA Department of Botany, Gödöllő, Hungary, 2Hungarian University of Agriculture and Life Sciences IWMNC Department of Nature Conservation and Lanscape Management, Gödöllő, Hungary, 3Hungarian Academy of Sciences, Institute for Nuclear Research, Isotope Climatology and Environmental Research Centre, Debrecen, Hungary
P11
FUNCTIONAL HETEROGENEITY WITHIN BIOMES: THE CANTABRIAN MIXED FORESTS ECOREGION

Mr. Víctor González-García1, Dr. Eduardo Fernández-Pascual1, Dr. Borja Jiménez-Alfaro1
1University of Oviedo, Oviedo, Spain

P12
BETULA ETNENSIS WOODLANDS OF THE MT. ETNA (SICILY): DIACHRONIC ANALYSIS AND MONITORING

Dr. Veronica Ranno1, Dr. Gianmarco Tavilla1, Ms. Giulia Bacilliere1, Prof. Saverio Sciardrello1, Prof. Gianpietro Giusso del Galdo1
1University of Catania, Catania, Italy

P13
REGIONAL TYPOLOGY OF SPRING VEGETATION IN PARC ELA (GRISONS, SWITZERLAND)

Ms. Hallie Seiler1, Dr. Daniel Küry2, Dr. Regula Billeter1, Prof. Dr. Jürgen Dengler1,3,4
1Zurich University of Applied Sciences (ZHAW), Wädenswil, Switzerland, 2Life Science AG, Basel, Switzerland, 3University of Bayreuth, Bayreuth, Germany, 4German Centre for Integrative Biodiversity Research (iDiv), Leipzig, Germany

P14
COMPARATIVE MICROTAXONOMICAL AND VEGETATION ANALYSES IN THE CENTRAL REGION OF THE CARPATHIAN BASIN

Mr. Attila Fűrész1, Dr. Dénès Saláta2, Dr. Gergely Pápay1, Mr. Norbert Péter1, Mr. Zoltán Bajor2, Dr. Zsuzsa Zsuzsa Lisztes-Szabó3, Mr. Dániel Balogh1, Dr. Mártia Fuchs4, Dr. Erika Michéli5, Dr. Károly Penksza1
1Hungarian University of Agriculture and Life Sciences, Institute of Agronomy, Gödöllő, Hungary, 2Hungarian University of Agriculture and Life Sciences, Institute of Wildlife Management and Nature Conservation, Gödöllő, Hungary, 3Isotope Climatology and Environmental Research Centre, Institute for Nuclear Research, Debrecen, Hungary, 4Hungarian University of Agriculture and Life Sciences, Institute of Environmental Sciences, Gödöllő, Hungary

P15
VEGETATION AND BIOMASS OF NATURAL AND SOWN SANDY GRASSLANDS IN THE LITTLE HUNGARIAN PLAIN

Mr. Dániel Balogh1, Mr. Attila Fűrész1, Dr. Gergely Pápay1, Dr. Szilárd Szentes1, Dr. Péter Csontos2, Dr. Károly Penksza1
1Hungarian University Of Agriculture and Life Sciences, Institute of Agronomy, Department of Botany, Gödöllő, Hungary, 2Centre for Agricultural Research, Institute for Soil Science and Agricultural Chemistry, Budapest, Hungary
P16

VEGETATION COMPOSITION ALONG ELEVATIONAL AND LONGITUDINAL GRADIENTS IN NORTH-WESTERN PATAGONIA

Ms. Natalia Joelson¹, Dr. Gabriel Loguercio², Dr. José Bava², Dr. Héctor Gonda², Prof. Stefan Zerbe³, Dr. Steffi Heinrichs¹, Prof. Helge Walentowski¹

¹University Of Applied Sciences And Arts (hawk), Faculty Of Resource Management, Göttingen, Germany, ²Centro de Investigación y Extensión Forestal Andino Patagónico (CIEFAP), Ruta 259 Km 16,24, CC 14, Esquel (9200), Chubut, Argentina, ³Faculty of Science and Technology, Free University of Bozen-Bolzano, Universitätsplatz 5, 39100 Bozen-Bolzano, Italy, Bolzano, Italy

P17

PAST AND PRESENT DRIVERS OF PHYLOGENETIC DIVERSITY OF GRASSLAND COMMUNITIES IN SOUTH EASTERN SOUTH AMERICA

Ms. Helena Streit¹, Dr. Rodrigo Bergamin¹, Dr. Sandra Müller¹, Dr. Gerhard Overbeck¹

¹Federal University of Rio Grande Do Sul, Porto Alegre, Brazil

P18

SYNTAXONOMICAL CHECKLIST OF SIERRA DE GUADARRAMA NATIONAL PARK (SPAIN)

Dr. Paloma Cantó¹

¹Complutense University, Plaza de Ramón y Cajal S/n, España

P19

VEGETATION TYPES OF ROBINIA PSEUDOACACIA FORESTS IN THE NW BALKAN PENINSULA

Prof. Željko Škvoric¹, Prof. Mirjana Ćuk², Prof. Nenad Jasprica³, Prof. Daniel Krstonošić¹, Prof. Vladimir Stupar⁴, Prof. Andraž Čarniš⁵,⁶

¹University of Zagreb, Faculty of Forestry and Wood Technology, Zagreb, Croatia, ²Department of Biology and Ecology, University of Novi Sad, Novi Sad, Serbia, ³Institute for Marine and Coastal Research, University of Dubrovnik, Dubrovnik, Croatia, ⁴Faculty of Forestry, University of Banja Luka, Banja Luka, Bosnia and Herzegovina, ⁵Institute of Biology, Scientific Research Center of the Slovenian Academy of Sciences and Arts, LJUBLJANA, Slovenia, ⁶University of Nova Gorica, Nova Gorica, Slovenia

P20

CHANGES IN SPECIES COMPOSITION AND DIVERSITY OF REMNANT WETLANDS IN SOUTHWEST ILLINOIS OVER THE PAST 45 YEARS

Mr. Logan Phillips¹, Dr. Peter Minchin¹

¹Southern Illinois University Edwardsville, Edwardsville, United States
P21

VEGETATION RESPONSE TO MANAGEMENT CHANGES ON VISZLÓ WOOD PASTURE IN HUNGARY

Dr. Eszter Saláta-Falusi1, ZSolt Kardos2, Dr. Károly Penksza1, Dr. Dénes Saláta2

1Hungarian University of Agriculture and Life Sciences IOA Department of Botany, Gödöllő, Hungary, 2Hungarian University of Agriculture and Life Sciences IWMNC Department of Nature Conservation and Landscape Management, Gödöllő, Hungary

P22

A COLLECTION OF R TOOLS FOR VEGETATION ANALYSES

Dr. Tiago Monteiro-Henriques1,2, Professor Jorge Orestes Cerdeira3, Professor Mar Cabeza2, Professor Paulo M. Fernandes1

1Universidade de Trás-os-montes e Alto Douro, Vila Real, Portugal, 2University of Helsinki, Helsinki, Finland, 3Universidade Nova de Lisboa, Caparica, Portugal

P23

VEGETATION DYNAMICS OF PANNONIAN INLAND SANDY HABITATS ANALYZED USING VEGETATION MAPPING BY DIGITAL ORTHOPHOTOGRAPHY

Dr. Mirjana Ćuk1, Radenko Ponjarac2, Dušan Igić2, Miloš Ilić1, Dragana Vukov1, Tijana Škuljak1, Andaž Čarni3

1University of Novi Sad, Faculty of Science, Novi Sad, Serbia, 2Public company “Vojvodinašume”, Forest Holding “Novi Sad”, Novi Sad, Serbia, 3University of Nova Gorica, Nova Gorica, Slovenia

P24

BUZKYI GARD NATIONAL NATURE PARK: AN OVERLOOKED HOTSPOT OF VEGETATION DIVERSITY IN STEPPIC UKRAINE

Ms. Dariia Shyriaieva1,2,3, Hanna Kolomiets3, Oleksandr Shynder4, Denys Vynokurov5,6, Ivan Moysiyenko6, Yana Osvienko3, Vladyslav Artamonov3

1Masaryk University, Brno, Czech Republic, 2M.G. Kholodny Institute of Botany, NAS of Ukraine, Kyiv, Ukraine, 3Buzkyi Gard National Nature Park, Myhia, Ukraine, 4M.M. Gryshko National Botanical Garden, NAS of Ukraine, Kyiv, Ukraine, 5University of the Basque Country UPV/EHU, Bilbao, Spain, 6Kherson State University, Kherson, Ukraine

P25

TOWARDS A UNIFIED CHECKLIST OF HIGH MOUNTAIN VEGETATION FOR NORTHERN AND CENTRAL SOUTH AMERICA

Dr. Jairo Pinto1,2

1High Tropics Foundation, Bogota, Colombia, 2National University of Colombia, Bogota, Colombia
**P26**

AREA VS. ENVIRONMENTAL HETEROGENEITY: REGIONAL DIVERSITY OF EUROPEAN ALPINE GRASSLANDS

**Dr. George Malanson¹,** Dr. Riccardo Testolin², Dr. Borja Jiménez-Alfaro³

¹University Of Iowa, Iowa City, United States, ²University of Bologna, Bologna, Italy, ³University of Oviedo, Mieres, Spain

**P27**

A SAMPLING STRATEGY FOR ASSESSING TERRESTRIAL HABITATS AT EU SCALE

**Dr. Marco Cervellini¹, ², Prof. Alessandro Chiarucci¹, Dr. Sara Franceschi², Dr. Michele Di Musciano¹, ², Dr. Piero Zannini¹, Prof. Roberto Cazzolla Gatti¹**

¹BIOME Lab, Department of Biological, Geological and Environmental Sciences, Alma Mater Studiorum University of Bologna, Via Irnerio 42, Bologna, 40126, Italy, ²Department of Economics and Statistics, University of Siena, Pza S.Francesco 8, Siena, 53100, Italy, ³Department of Life, Health & Environmental Science, University of L’Aquila, Piazzale Salvatore Tommasi 1, Coppito, L’Aquila, 67100, Italy, ⁴School of Biosciences and Veterinary Medicine Plant Diversity and Ecosystems Management unit, Via Pontoni 5, Camerino, - 62032, Italy

**P28**

SELECTING NATIVE PLANT SPECIES FOR ANNEX I HABITAT IN-SITU AND EX-SITU CONSERVATION: THE PERSPECTIVE OF LIFE IMAGINE PROJECT IN UMBRIA REGION (CENTRAL ITALY)

**Dr. Federica Bonini¹,** Dr. Valentina Ferri¹, Dr. Simona Ciancaleoni¹, Prof. Valeria Negri¹, Dr. Lorenzo Raggi¹, Dr. Daniela Gigante¹

¹Dept. of Agricultural, Food and Environmental Sciences, University of Perugia, Borgo XX giugno, 74 - 06121 Perugia, Italy

**P30**

EFFECTS OF LONG-TERM MOWING ON BIOMASS COMPOSITION IN PANNONIAN DRY GRASSLANDS

**Dr. Gergely Pápay¹,** Prof. Károly Penksza¹, Dr. Szilárd Szentes², Dr. Judit Házi²

¹Hungarian University Of Agronomy And Life Sciences, Institute Of Agronomy, Department Of Botany, Gödöllő, Hungary, ²Hungarian University of Agriculture and Life Sciences, Institute of Animal Sciences, Gödöllő, Hungary

**P31**

STUDIES ON NATURE CONSERVATION- AND GRASSLAND MANAGEMENT VALUE OF A PANNONIAN PASTURE NEAR BUGAC (1997-2020)

Dr. Tímea Kiss¹, Dr. Péter Póti², Dr. Károly Ecseri¹, Dr. Szilárd Szentes², **Prof. Károly Penksza³**

¹John von Neumann University, Horticulture and Rural Development Faculty, Kecskemét, Hungary, ²Hungarian University of Agriculture and Life Sciences, Institute of Animal Sciences, Gödöllő, Hungary, ³Hungarian University of Agriculture and Life Sciences, Institute of Agronomy, Department of Botany, Gödöllő, Hungary
<table>
<thead>
<tr>
<th>Paper</th>
<th>Title</th>
<th>Authors</th>
<th>Affiliations</th>
</tr>
</thead>
<tbody>
<tr>
<td>P32</td>
<td>EFFECTS OF AEROSOL SMOKE ON THE GERMINATION OF CERRADO SPECIES</td>
<td>Raquel Martins¹, Master Heloiza Zirondi¹, Dr Alessandra Fidelis¹</td>
<td>¹Universidade Estadual Paulista (UNESP), Rio Claro, Brazil</td>
</tr>
<tr>
<td>P33</td>
<td>FIRE CHANGES BIOMASS ALLOCATION TO VEGETATIVE AND REPRODUCTIVE STRUCTURES IN CERRADO PLANTS</td>
<td>Ms. Heloiza Lourenço Zirondi¹, Mr Wagner Zanzarini¹, Dr Davi Rossatto², Dr Alessandra Fidelis¹</td>
<td>¹Universidade Estadual Paulista (UNESP), Rio Claro, Brazil, ²Universidade Estadual Paulista (UNESP), Jaboticabal, Brazil</td>
</tr>
<tr>
<td>P34</td>
<td>IMPACT OF ASCLEPIAS SYRIACA ON THE VEGETATION COMPOSITION OF PRIMARY AND SECONDARY SAND GRASSLANDS</td>
<td>Ms. Boglárka Berki¹, Ms. Edina Csákvári², Ms. Adrienn Gyalus¹, Dr. Melinda Halassy², Dr. Anikó Csecserits²</td>
<td>¹Elte University, 1117 Budapest, Pázmány Péter sétány 1/G, Hungary, ²Centre for Ecological Research, Vácrtót, Pest</td>
</tr>
<tr>
<td>P35</td>
<td>CORRELATION BETWEEN SPECIFIC LEAF AREA (SLA) AND LEAF DRY MATTER CONTENT (LDMC) ACROSS SCALES</td>
<td>Dr. Zoltán Botta-dukát¹, Adrienne Gyalus¹, Melinda Kabai¹, Barbara Lhotsky¹, Anikó Csecserits¹</td>
<td>¹Centre For Ecological Research, Vácrtót, Hungary</td>
</tr>
<tr>
<td>P37</td>
<td>REGRESSION TO THE MEAN IN VEGETATION SCIENCE</td>
<td>Ms. Leonie Mazalla¹, Prof. Dr. Martin Diekmann</td>
<td>¹University Of Bremen, Leobener Straße 5, De-28359 Bremen, Germany</td>
</tr>
</tbody>
</table>
P38

DISENTANGLING COMMUNITY SELECTION FROM DRIFT IN FINE-SCALE FOREST DYNAMICS

Dr. Mark Fulton

1Bemidji State University, Bemidji, United States

P39

INFLUENCE OF PROLONGED WATER SHORTAGE ON HERBACEOUS SPECIES OF TEMPERATE FORESTS

Ms. Marika Kobzová, Dr. Anja Petek-Petrik, Dr. Radim Hédl

1Institute of Botany of the Czech Academy of Sciences, Brno, Czech Republic, 2Faculty of Science, Palacký University in Olomouc, Olomouc, Czech Republic

P40

CHLOROPHYLL AND PROLINE AS FUNCTIONAL MARKERS CAPTURING ECOSYSTEM PROPERTIES DURING THE SUCCESSIONAL PROCESS IN ABANDONED VINEYARDS IN THE MEDITERRANEAN BASIN (CENTRAL SPAIN)

Prof. Javier Pérez Hernández, Doctor Rosario G Gavilán García

1Faculty Pharmacy University Complutense Madrid, Madrid, Spain

P41

TRANSITION IN SPECIES COMPOSITION AFTER LIVESTOCK REINTRODUCTION AND GRAZING EXCLUSION OF NATURAL GRASSLANDS

Ms. Micaela Abrigo, PhD Gervasio Piñeiro, PhD Felipe Lezama

1Faculty of Agronomy UDELAR, Montevideo, Uruguay, 2IFEVA - Faculty of Agronomy UBA, Argentina

P42

MULTIFUNCTIONALITY OF RESTORED URBAN GRASSLANDS IS CONSISTENTLY AFFECTED BY DECREASES IN PRECIPITATION UNDER CLIMATE CHANGE

Ms. Sandra Liliana Rojas Botero, Dr. Johannes Kollmann, Dr. Leonardo H. Teixeira

1Technical University Of Munich, Emil-ramann-str 6, 85354, Freising, Germany

P43

TRAITDIVNET: A GLOBAL NETWORK TO EXPLORE ABOVEGROUND AND BELOWGROUND FUNCTIONAL DIVERSITY

Dr. Carlos P. Carmona, Dr. Enrico Tordoni, Dr. Kadri Koorem

1University Of Tartu, Tartu, Estonia
P44

SEED LONGEVITY PATTERNS IN ALPINE FELLFIELD AND SNOWBED COMMUNITIES

Ms. Clara Espinosa del Alba1, Dr Andrea Mondoni2, Dr. Eduardo Fernández-Pascual1, Dr. Borja Jiménez-Alfaro1

1University of Oviedo - IMIB, Biodiversity Research Institute, Spain, 2Univeristy of Pavia, Italy

P45

ECOLOGICAL NICHEs OF NITROGEN-FIXERS AND PARASITIC PLANTS IN EUROPE

Ms. Nina Fahs1, Irena Axmanová1, Tamara Těšitelová1, Jakub Těšitel1, and EVA-data contributors

1Masaryk University, Faculty of Science, Kotlářská 2, 611 37 Brno, Czech Republic

P46

SAMPLE COVERAGE ESTIMATION BASED ON SAMPLE-BASED ABUNDANCE DATA

Dr. Chun-Huo Chiu1

1Department of Agronomy, National Taiwan University., Taipei 10617, Taiwan (Republic of China)

P47

PATTERNS AND DRIVERS OF FUNCTIONAL DIVERSITY ON AN OCEANIC ISLAND

Mr. Joshua André Erkelenz1

1Masaryk University, Brno, Czech Republic

P48

EFFECT OF LEGUME OVERSEEDING WITH PHOSPHORUS FERTILIZATION IN NATURAL GRASSLANDS ON THE MAGNITUDE AND STABILITY OF PRIMARY PRODUCTIVITY.

Ms. Gonzalo Rama1, Phd Mariano Oyarzabal2, Ing.Agr. Gerónimo Cardozo3, Phd Felipe Lezama1, Phd Santiago Baeza1

1Facultad de Agronomía, Universidad de la República, Montevideo, Uruguay, 2Facultad de Agronomía, Universidad de Buenos Aires, Buenos Aires, Argentina, 3Instituto Nacional de Investigación Agropecuaria, Treinta y tres, Uruguay

P49

THE CURRENT SITUATION OF MOSS BALLS AND THE GROWTH CONDITION OF THE AQUATIC BRYOPHYTES, WARNSTRORFIA FLUITANS AND OTHERS IN THE LAKE KUSSHARO, NORTHERN JAPAN

Dr. Yoshi Minami1, Ms Sayaka Suwa1, Dr. Hiroshi Kanda2

1Tamagawa University, 1-1 Tamagawa Gakuen 6, Machida, Japan, 2National Institute of Polar Research, 10-3 Midori-cho, Tachikawa, Japan
**P50**

**HOW DO FUNCTIONALLY RARE PLANT SPECIES AFFECT ECOSYSTEM PROCESSES IN MESIC GRASSLANDS?**

Mr. Gabriel Walther¹,², Prof. Dr. Christine Römermann¹,²

¹Friedrich Schiller University Jena, Jena, Germany, ²German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, Leipzig, Germany

---

**P51**

**USING TRAIT DATA IMPROVES CORRELATION BETWEEN ENVIRONMENT AND COMMUNITY DATA ONLY IF ABUNDANCES ARE CONSIDERED**

Dr. Attila Lengyel¹, Dr. Sándor Barabás¹, Boglárka Berki¹, Dr. Anikó Csecserits¹, Adrienn Gyalus¹, Barbara Lhotsky¹, Dr. Gábor Önodi¹, Dr. Tamás Rédei¹, Dr. Zoltán Botta-Dukát¹

¹Centre for Ecological Research, Vácrátót, Hungary

---

**P52**

**HOW INVADED ARE URUGUAYAN GRASSLANDS BY ALIEN PLANT SPECIES?**

Dr. Anaclara Guido¹, Dr. Alice Altesor¹, Dr. Felipe Lezama², Dr. José María Paruelo¹,², Dr. Santiago Baeza²

¹Facultad de Ciencias Universidad de la República, Malvin Norte, Uruguay, ²Facultad de Agronomía Universidad de la República, Sayago, Uruguay, ³Instituto Nacional de Investigación Agropecuaria, La Estanzuela, Uruguay

---

**P53**

**SPECIES CLIMATIC NICHES IN A WORLD WITHOUT CLEAR-CUT CLIMATIC BOUNDARIES**

Ms. Marina Coca-de-la-Iglesia¹, Dr. Virginia Valcárcel¹, Dr. Jun Wen², Dr. Nagore G. Medina¹

¹Universidad Autónoma de Madrid, Madrid, Spain, ²Smithsonian Institution, Washington, USA

---

**P54**

**LIVING TOGETHER ALONG AN INVASION GRADIENT. THE EXAMPLE OF THE PLANT COMMUNITIES AT THE ILES KERGUELEN**

Ms. Pauline Eymar-Dauphin², Mr. D. Renault³, Ms. M. Bounous², Mr. K. Le Falher³, Ms. C. Pillard⁴, Ms. Anne-Kristel Bittebiere⁵

¹UMR 5023 LEHNA, CNRS - Université de Lyon 1, Villeurbanne, France, ²UMR 6553 ECOBIO, CNRS - Université de Rennes 1, Institut Universitaire de France, Rennes, France, ³IPEV, Brest, France
P55

A COMPARATIVE ASSESSMENT OF THE LEVELS OF INVASION ACROSS HABITATS IN CENTRAL ALBERTA, CANADA

Ms. Raytha Murillo¹, Dr. Viktoria Wagner¹

¹University Of Alberta, Edmonton, Canada

P56

SEED BANKING STRATEGIES OF ALIEN AND NATIVE HERB SPECIES

Lenka Moravcová¹, Hana Skálová¹, Angelino Carta², Petr Pyšek¹,³, Margherita Gioria¹

¹Institute of Botany, Czech Academy of Sciences, Pruhonice, Czech Republic, ²Department of Biology, Botany Unit, University of Pisa, Pisa, Italy, ³Department of Ecology, Faculty of Science, Charles University, Prague, Prague, Czech Republic

P57

INTERSPECIFIC INTERACTIONS INDEPENDENT OF SOIL LEGACY BY INVASIONS, REDUCE THE PERFORMANCE OF A NATIVE SPECIES IN CERRADO

Ms. Giovana Chiari¹, Dr. Lara Souza, Dr Alessandra Fidelis

¹Unesp, Rio Claro, Brazil

P58

GLOBAL ANALYSIS OF SOURCE AND DESTINATION AREAS FOR PAST AND FUTURE PLANT INVASIONS

Dr. Bruno Paganeli¹, Dr. Enrico Tordoni¹, Professor Meelis Pärtel¹

¹University Of Tartu, Narva Mnt 25, Room 125, Estonia

P59

A TEST OF THE ENEMY RELEASE HYPOTHESIS IN THREE GRASSES INVASIVE TO THE CANADIAN PRAIRIE

Mr. Cedric Villasor¹, James Cahill¹, Viktoria Wagner¹

¹University Of Alberta, Edmonton, Canada
P60

PLOID ANALYSIS AND MORPHOTAXONOMIC STUDY OF FESTUCA TAXA

Mr. Dániel Balogh¹, Mr. Attila Fürész¹, Dr. Gergely Pápay¹, Dr. Csaba Lantos², Dr. János Pauk², Dr. Antal Szőke³, Dr. Penksza Károly¹

¹Hungarian University Of Agriculture and Life Sciences, Institute of Agronomy, Department of Botany, Gödöllő, Hungary, ²Cereal Research Non-Profit Ltd., Szeged, Hungary, ³Hungarian University of Agriculture and Life Sciences Institute of Microbiology, Gödöllő, Hungary

P61

AN ASSESSMENT OF FLORISTIC ASSEMBLAGE OF CHANDRA TAL: A COLD DESERT RAMSAR WETLAND (LAHAUL-SPITI) OF HIMACHAL PRADESH, INDIA

Ms. Dipti Dey², Ms. Puja Bhojak¹, K. Chandra Sekar¹, Dhani Arya²

¹G.B. Pant National Institute of Himalayan Environment, Kosi-Katarmal, Almora- 263643, India, ²Kumaun University, Almora- 263601, INDIA

P62

MANAGEMENT OF SPREADING PASQUEFLOWER PULSATILLA PATENS (L.) MILL. HABITAT IN MICORESERVE LOCATED IN EASTERN PART OF LATVIA

Ms Vija Kreile¹, Ms Diana Marga¹, Ms Ieva Rove¹, Ms Liene Pēlēce¹

¹Joint Stock Company “Latvia’s State Forests”, Vaiņodes Street 1, Riga, LV-1006, Riga, Latvia

P63

SEASONALITY AFFECTS BIOMASS ALLOCATION ON TROPICAL AND SUBTROPICAL GRASSLANDS

Ms. Juliana Teixeira¹, Dr. Soizig Le Stradic², Dr. Aline Bombo¹, Ms. Cassy Anne Rodrigues¹, Ms. Vagner Zanzarini¹, Núbia Vilela¹, Dr. Alessandra Fidelis¹

¹Universidade Estadual Paulista (UNESP), Rio Claro, Brazil, ²INRAE/University of Bordeaux, Bordeaux, France
SPONSORS
IAVS 2022
INTERNATIONAL ASSOCIATION FOR VEGETATION SCIENCE
64th ANNUAL SYMPOSIUM - Hybrid
June 27th - July 1st, 2022
Facultad de Farmacia
Universidad Complutense de Madrid
www.iavs.org
www.iavsmadrid2022.com
PROGRAM