

INTERNATIONAL CONGRESS

ITALIAN SOCIETY OF VEGETATION SCIENCE 56TH CONGRESS

NEXT CHALLENGES IN VEGETATION SCIENCE: FACING THE ANTHROPOCENE



ACCADEMIA dei
FISIOCRITICI 1691

BottegaVerde

SIENA 13TH-14TH JULY 2023

AULA MAGNA ACCADEMIA DEI FISIOCRITICI DI SIENA
PIAZZETTA SILVIO GIGLI 2, SIENA-ITALY



Scientific committee: Alicia Teresa Rosario Acosta, Claudia Angiolini, Giovanni Bacaro, Simonetta Bagella, Gianmaria Bonari, Alessandro Bricca, Maria Laura Carranza, Alessandro Chiarucci, Emanuele Fanfarillo, Edy Fantinato, Gianpietro Giusso del Galdo, Federico Fernández González, Filip Kůzmič, Simona Maccherini, Michela Marignani, Carmelo Maria Musarella, Duccio Rocchini, Daniele Viciani, Fotios Xystrakis.

Organizing committee: Claudia Angiolini, Ilaria Bonini, Silvia Cannucci, Paolo Castagnini, Leopoldo de Simone, Emanuele Fanfarillo, Riccardo Fedeli, Tiberio Fiaschi, Simona Maccherini, Emilia Pafumi.

PROGRAMME:

Thursday July 13th 2023

12:30 Registration

14:30 Opening ceremony

1st session: Progresses in vegetation science - Chair: Maria Laura Carranza

15:00 *The rise of technoecology: the swarm theory*

Keynote speaker: Marco Malavasi

15:30 *Synergies between botany and robotics for vegetation monitoring*

Angelini F, Angiolini C, Bagella S, Caccianiga M, Gigante D, Angelini P, Bonini F, Borgatti MS, Caria MC, Casella L, de Simone L, Fanfarillo E, Fiaschi T, Grassi A, Maccherini S, Pierallini M, Rievieccio G, Valle B, Villa B, **Manolo Garabini**

15:45 *Belowground plant life: feasibility study on the use of root traits to explain time changes in vegetation at the Velino-Duchessa LTER site*

Bruno Petriccione, Gregg S

16:00 *IT-V net: the Italian Intraspecific Trait Variability network*

Stefano Chelli, Bricca A, Petruzzellis F, Puglielli G, Tordoni E, and the IT-V net Consortium

16:15 **Coffee break**

16:30 **Poster session**

17:15 *VegItaly vegetation database: a valuable source for Italian vegetation scientists*

Gianmaria Bonari, Bagella S, Landucci F, Marcenò C, Panfilì E, Sciandrello S, Tomaselli V, Gigante D

17:30 *FUN-VIOLA Database: FUNCTIONal traits of VegetatION of central Apennines*

Marco Varricchione, Carranza ML, Di Cecco V, Stanisci A

17:45 *Towards the identification of regional 'typical' species for grassland habitats: a case study in Umbria region*

Federica Bonini, Grassi A, Landucci F, Gigante D

18:00 **SISV members meeting**

20:45 **Social dinner** at Antica Trattoria Papei, Piazza del Mercato 6, Siena

Friday July 14th 2023

2nd session: Cross-taxon approaches for vegetation analyses and habitat monitoring - Chairs: Giovanni Bacaro and Simona Maccherini

9:00 Cross-taxon approaches in biodiversity: state of the art, pitfalls, and emerging opportunities

Keynote speaker: Enrico Tordoni

9:30 *Multitaxon approach in the monitoring action of the LIFE Drylands project (LIFE18 NAT/IT/000803)*

Silvia Assini, Gheza G, Barcella M, Nascimbene J, Chiarucci A, Pezzi G

9:45 *Monitoring the habitat 3170 in the Lazio Natura 2000 network using a cross-taxon approach*

Mattia M. Azzella, Bolpagni R, Taurozzi D, Scalici M, Di Pietro R

10:00 *Cross-taxon approaches for habitat monitoring: linking lichen biodiversity to forest habitats structure*

Emanuela Carli, Potenza G, Pretto F, Miraglia G, Caricato G, Palma A, Casella L, Angelini P

10:15 *Do invasive plant species influence the fungal community?*

Claudia Perini, Conti L, Coppi A, Salerno E

10:30 *Abiotic and biotic factors as explaining drivers of cross-taxon congruence*

Bazzato E, Lallai E, Caria M, Schifani E, Cillo D, Ancona C, Pantini P, Maccherini S, Bacaro G, **Michela Marignani**

10:45 **Coffee break**

11:00 **In memory of Professor Vincenzo De Dominicis**

3rd session: Vegetation in cultural landscapes - Chair: Michela Marignani

11:15 *The role of vegetation science in the conservation of cultural landscapes*

Keynote speaker: Emanuele Fanfarillo

11:45 *Mediterranean Temporary Ponds facing land abandonment and climate changes in Sardinian cultural landscapes*

Simonetta Bagella, Caria MC, Malavasi M, Riveccio G

12:00 *Influence of environmental and structural features on Pinus nigra old-established plantations*

Alessandro Bricca, Fellin H, Deola T, Ciaramella D, Bonari G

12:15 *Floristic characterization of abandoned fields in Pianosa island (Tuscan Archipelago, Italy)*

Eugenia Siccardi, Chianetta S, Lazzaro L, Mugnai M, Misuri A, Foggi B, Viciani D

12:30 *Vegetation assessment and mapping of Pasargadae WHS (Iran) as a tool for enhancing its naturalistic value and for the site management in the scenario of climatic changes*

Giulio Zangari, Hosseini Z, Caneva G

12:45 *First results of a vegetation survey on the Fucecchio marsh, an area showing a deeply transformed plant landscape compared to the past*

Daniele Viciani, Lastrucci L

13:00 *Steps towards popularizing vegetation science: the “Field Guide to the Plant Communities of Abruzzo Lazio & Molise National Park”*

Goffredo Filibeck, Cancellieri L, Rosati L

13:15 **Lunch**

Free session - Chair: Gianmaria Bonari

14:30 *The National Biodiversity Future Center: a boost to the knowledge of Italian biodiversity*

Keynote speaker: Francesco Frati

15:00 *Vegetation of central Argentina: so diverse as endangered*

Melisa A. Giorgis, Alicia Teresa Rosario Acosta

15:20 *Molecular Evidence and Environmental Niche Evolution at the Origin of the Disjunct Distribution in Three Mountain Endemic Tephrosieris (Asteraceae) of the Mediterranean Basin*

Martino Adamo, Skokanová K, Bobo-Pinilla J, Giaccone E, Peñas de Giles J, Mucciarelli M

15:35 *Dunes under attack: temporal trends of iceplant invasion (Carpobrotus sp. pl., Aizoaceae) in different landscape contexts. An insight on Mediterranean coasts*

Flavio Marzialetti, Grosso G, Acosta ATR, Malavasi M, Cao Pinna L, Brundu G, Carranza ML

15:50 *Conservation of the Natura 2000 habitats at Capraia island (Italy): mapping and controlling invasive alien plants*

Alice Misuri, Mugnai M, Giunti M, Lazzaro L

16:05 *Effectiveness of protected areas on Italian broadleaf forests*

Lorenzo Ricci, Di Musciano M, Alessi N, Sabatini FM, Heilmann Clausen J, Sperandii MG, Frattaroli AR, Chiarucci A, Geldmann J

16:20 *Impacts of wood distillate on seedling emergence and first-stage development in five threatened arable plants*

Riccardo Fedeli, Fanfarillo E, Fiaschi T, de Simone L, Vannini A, Angiolini C, Loppi S, Maccherini S

16:35 **Coffee break**

17:00 *Implementing a Vegetation-Based Risk Index to Support Management Actions in Mediterranean Coastal Dunes*

Daniela Ciccarelli, Alessandrini V, Rangel-Buitrago N, Bertoni D

17:15 *New phytosociological data on the Caricion davallianae communities from the central Apennines*

Romeo Di Pietro, Praleskouskaya S, Di Pietro F, Di Pietro A, Aleffi M, Tondi G, Fortini P

17:30 *Vegetation survey of Pinus nigra natural woods in Abruzzo National Park, and comparison with pine plantations in the same area*

Laura Cancellieri, Rosati L, Mezza I, Filibeck G

17:45 *Salt-marsh vegetation of the “Palude la Vela” Regional Nature Reserve (Taranto, Apulia)*

Francesca Mantino, Forte L, Garofoli PF, Semerari P, Tomaselli V

18:00 **Closing the 56th SISV International Congress**

18:15 **Aperitif and visit to the Museum of the Contrada della Tartuca**

Saturday July 15th 2023

07:30 **Field trip to Vallombrosa Nature Reserve** (return time to Siena: 18:00-18.30)

Posters

P1 - *The role of Citizen science in monitoring the Annex II-IV target species Himantoglossum adriaticum H. Baumann*

Anna Grassi, Bonini F, Ferri V, Ratini G, Parracciani C, Conticelli M, Falcinelli F, Fratoni M, Gigante D

P2 - *Take me home, mountain roads: The ecological preferences of Invasive Alien Plants in Maiella and Gran Sasso mountains (Italy)*

Lucia Antonietta Santoianni, Conti F, Bartolucci F, Innangi M, Varricchione M, Stanisci A

P3 - *Assessing knowledge status on coastal dune habitats in Sardinia (Natura 2000 Network and PNM)*

Maria Carmela Caria, Orrù G, Miggianu A, Serra S

P4 - *The plant communities of Tuscan rice fields*

Emanuele Fanfarillo, Fiaschi T, Angiolini C

P5 - *How plant biodiversity affects ecosystem functioning along a sea-inland gradient*

Greta La Bella, Carboni M, Bricca A, Migliore M, Stanisci A, Ciccarelli D, Acosta A

P6 - *The rupicolous vegetation of Montecristo Island (habitat code: 8220): first data*

Marco Landi, Zoccola A, Pandeli G, Quilghini G, Chiavacci C, Ciampelli P, Foggi B, Angiolini C

P7 - *Impacts and management of invasive Carpobrotus spp. in Mediterranean island ecosystems: experiences from projects RESTO CON LIFE and LIFE LETSGO GIGLIO*

Lorenzo Lazzaro, Siccardi E, Benesperi R, Mugnai M, Misuri A, Giannini F, Giunti M

P8 - *Cupressus forests (Acero-Cupression; habitat code 9290): a new EU habitat in Italy?*

Tiberio Fiaschi, Bonari G, Ciaramella D, Fanfarillo E, Vellini Mari D, Angiolini C

P9 - *Biodiversity monitoring from above: linking spectral to local plant diversity*

Perrone M, Conti L, Galland T, Komárek J, Lagner O, Carmona CP, de Bello F, Torresani M, Rocchini D, Šímová P, Bagella S, **Marco Malvasi**

P10 - *The geodatabase of the natural ecosystems conservation status: a cartographic base for the achievements of EU Biodiversity Strategy for 2030*

Irene Prisco, Carli E, Pretto F, Casella L, Angelini P

P11 - *Living labs for systemic innovation in Mediterranean silvopastoral systems*

Pier Paolo Roggero, Awada H, Branca G, Ceseracciu C, Deriu R

P12 - *Resurveying most threatened Italian habitats: preliminary results from the Lazio region*

Simona Sarmati, Del Vecchio S, Acosta ATR

P13 - *Effects of Rotational grazing on plant communities*

Sandro Strumia, Conte AL, Marzaioli R, Santangelo A, Memoli V, Rutigliano FA