



UNIVERSITÀ
DEGLI STUDI
DELL'AQUILA

MESVA
Dipartimento di Medicina Clinica,
Sanità Pubblica, Scienze della Vita
e dell'Ambiente



55th SISV International Congress

L'AQUILA

16 June 2022 | 12:00 - 19:00

17 June 2022 | 09:00 - 19:00



Society for Conservation Biology
Italy Chapter



COMUNE DELL'AQUILA
ASSESSORATO ALL'AMBIENTE

Vegetation science and global changes: scenarios, challenges and innovation



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Università degli Studi dell'Aquila – Viale Nizza 14 - L'Aquila

55th SISV International Congress

Vegetation science and global changes: scenarios, challenges and innovation

L'AQUILA 16-17 June 2022

Programme

Thursday 16 June 2022

12:00 **Registration**

14:00 **Opening ceremony of the 55th SISV International Congress**

1st session: High-altitude vegetation in global change scenarios - Chairperson: Marco Caccianiga

15:00 *Functional phytosociology: the challenge of traits up-scaling in vegetation science*
Keynote speaker: Bruno E.L. Cerabolini; Dalle Fratte M.; Caccianiga M.; Pierce S.

15:30 *Long-term monitoring of vegetation dynamics and carbon dioxide exchange in alpine peatlands*
Lisa Brancaloneoni; Gerdol R.

15:45 *Climate sensitivity of bilberry (*Vaccinium myrtillus* L.) dwarf shrub communities in Alps: interactions between plant growth, temperature and precipitation*
Marco Vuerich; Braidot E.; Petrusa E.; Fabro M.; Trotta G.; Boscutti F.

16:00 **Coffee Break**

16:20 *Substratum type drives species richness and functional traits of alpine terricolous lichen in the Alps*
Chiara Vallese; Di Nuzzo L.; Giordani P.; Benesperi R.; Gheza G.; Nascimbene J.

16:35 *Plot sizes affect patterns of plant diversity along an elevational gradient*
Lorenzo Ricci; Di Musciano M.; Frattaroli A.R.; Zannini P.; Cervellini M.; Chiarucci A.; Di Cecco V.; Cutini M.; Iocchi M.; Theurillat J.P.

16:50 *Not only plants: multi-taxa approach to plant community studies in harsh environments*
Barbara Valle; Di Musciano M.; Gobbi M.; Invernizzi A.; Caccianiga M.

17:05 *Elevation patterns of species richness on the Mediterranean island using a published flora*
Michele Di Musciano; Calvia G.; Ruggiero A.; Farris E.; Frattaroli A.R.; Bagella S.

17:20 *A relict of the alpine community dominated by *Geranium argenteum* at its southern limit of distribution in the Apennines*
Giulio Tesei; Ballelli S.; Pennesi R.; Allegrezza M.

17:35 *Dynamics of dwarf shrubs in Mediterranean high mountain ecosystems*
Andrea De Toma; Carboni M.; Bazzichetto M.; Malavasi M.; Cutini M.

17:50 *The high-altitude landscape of the Laga mountains. A vegetation mosaic of circumboreal relicts and Apennine endemics at the turning point of global warming.*
Romeo Di Pietro; Di Pietro F.; Fortini P.

18:05 **Poster session**

18:45 **Welcome cocktail with a special guest: Il Coro della Portella**

Friday 17 June 2022

2nd session: Application of remote sensing and other technologies in vegetation science - Chairperson: Duccio Rocchini

09:00 *Using remote sensing in vegetation science: disentangling the spectral variability jungle.*
Keynote speaker: Luisa Conti

09:25 *A transdisciplinary application of vegetation maps: back to the Nuragic Sardinia*
Marco Malavasi; Bazzichetto M.; Bagella S.; Depalmas A.; Gregorini A.; Acosta A.; Sperandii M.G.; Bagella S.

09:40 *Helical graphs to track ecological trends*
Elisa Thouverai; Marcantonio M.; Cosma E.; Rocchini D.

09:55 *Mapping of *Yucca gloriosa* invasion along Mediterranean coastal dunes using unmanned aerial vehicles (UAVs)*
Daniela Ciccarelli; Cini E.; Mo A.; Paterni M.; Massetti L.; Rangel-Buitrago N.; Merlino S.

10:10 *Remote sensing tools to parse the acclimation response of saltmarshes to flooding stress: upscaling perspectives in lagoon systems*
Giacomo Trotta; Vuerich M.; Cingano P.; Scarpin D.; Petrusa E.; Braidot E.; Boscutti F.

10:25 *From Remote Sensing to Species Distribution Modelling: an integrated workflow to monitor spreading species in key grassland habitats*
Walter De Simone; Allegrezza M.; Frattaroli A.R.; Montecchiari S.; Tesei G.; Zuccarello V.; Di Musciano M.

10:40 *Functional data analysis of remotely sensed time series for vegetation mapping and monitoring*
Simone Pesaresi; Mancini A.; Quattrini G.; Casavecchia S.

10:55 *An overview of Baseflow and Baseveg developed by Philippe Julve: A tool designed for phytosociological knowledge and monitoring of European habitats: challenges and opportunities*
Vincent Benoît

11:10 *A GIS-based approach to define bioclimatic maps for landscape classification and planning*
Giuseppe Bazan

11:25 **Coffee Break**

3rd session: The role of protected areas in habitat conservation - Chairperson: Luciano Di Martino

- 11:45 *Protected Areas in Europe: Current Status and Outlook*
Keynote speaker: Piero Zannini; Di Musciano M.; Ricci L.; Gatti Cazzolla R.; Chiarucci A.
- 12:10 *Challenges and pitfalls in assessing protected areas effectiveness*
Keynote speaker: Marta G. Sperandii; Bazzichetto M.; Acosta A.T.R.
- 12:35 *From phytosociological relevés to the conservation of Habitats of Community Interest in Umbria: a first tool developed by the LIFE IMAGINE Project*
Federica Bonini; Ferri V.; Ciancaleoni S.; Negri V.; Raggi L.; Gigante D.
- 12:50 *Conservation status of threatened plant species in the protected areas sic it4060002 "Valli di Comacchio" and sic it4060003 "Vene di Bellocchio" (Emilia-Romagna): a preliminary overview*
Marion A. Wolf; Brancaleoni L.; Gerdol R.
- 13:05 *New data on the distribution of habitat 3170 in the Lazio Natura 2000 network.*
Mattia Azzella; Di Pietro R.
- 13:20 **Lunch**
- 14:50 *The map of Habitat Types of Community Interest of Abruzzo, Lazio and Molise National Park and surrounding Natura 2000 areas*
Goffredo Filibeck; Cancellieri L.; Gentile C.; Rosati L.; Sulli C.
- 15:05 *An integrated approach to the conservation of Annex I secondary grassland habitats in Maiella National Park (Central Italy)*
Daniela Gigante; Angelucci S.; Morbidini L.; Pauselli M.; Vizzari M.; Di Cecco V.; Di Santo M.; Bonini F.; Tassi A.; Caruso F.; Valenti B.; Di Martino L.
- 15:20 *Plant species, habitats and landscapes of community interest in the National Park of the island of Pantelleria (Sicily channel)*
Lorenzo A. Gianguzzi; Caldarella O.; La Mantia A.
- 15:35 *Analysis of the spatial distribution, the structure and floristic composition of mountain hay meadows (EU habitat 6520) in Lombardy*
Michele Dalle Fratte; Fava A.; Cerabolini B.E.L.
- 15:50 *An integrated approach to evaluate nature conservation in protected areas*
Alessandro Bricca; Deola T.; Riviaccio G.; Zerbe S.; Wellstein C.; Bagella S.; Bonari G.
- 16:05 *The management of habitats of Community interest in the Gran Sasso and Monti della Laga National Park: Evaluation of the incidence and containment of invasive alien species*
Daniela Tinti; Catonica C.
- 16:20 **Coffee Break**

Free session - Chairperson: Simonetta Bagella

- 16:40 *Intra-specific variability of seed traits of coastal dune engineering species at European scale*
Silvia Del Vecchio; Kumar Sharma S.; Pavan M.; Acosta A.; Bacchetta G.; De Bello F.; Isermann M.; Michalet R.; Buffa G.
- 16:55 *Within-community spatial organization of understory plants along forest succession: from coppice to primeval forests*
Stefano Chelli; Campetella G.; Tsakalos J.L.; Zhengxue Z.; Bosrukiewicz L.; Cervellini M.; Bartha S.; Canullo R.
- 17:10 *Assessing the effect of vegetation sampling on the response curves estimated by plant distribution models*
Manuele Bazzichetto; Lenoir J.; Da Re D.; Tordoni E.; Rocchini D.; Malavasi M.; Sperandii M.G.
- 17:25 *Exploring the drivers of species diversity and composition of arable plant communities across Italy*
Emanuele Fanfarillo; Angiolini C.; Bacaro G.; De Simone L.; Fiaschi T.; Tassinari A.; Rosati L.; Maccherini S.
- 17:40 *Effect of spatial scale on taxonomic and functional components of beta diversity in grassland habitats*
Michele Mugnai; Kindermann E.; Chelli S.; Wellstein C.; Viciani D.; Rota F.; Misuri A.; Brilli L.; Di Nuzzo L.; Lazzaro L.
- 17:55 *The flora of the Abruzzo protected areas*
Fabio Conti; Bartolucci F.
- 18:10 *The progenitors of cultivated plants in Italy (book presentation: "I progenitori delle piante coltivate in Italia")*
Aurelio Manzi
- 18:25 **Closing the 55th SISV International Congress**
- 18:30 **SISV members meeting**

Oral communications 12 minutes + 3 minutes Q/A

Poster

The project cli-p-on: plant response to climate change in mediterranean temporary ponds
Giovanni Riviaccio; Caria M.C.; Bagella S.

Inter-annual dynamic of vegetation and the pastoral value in Mediterranean grasslands
Giovanna Piga; Caria M.C.; Frongia A.; Pulina A.; Riviaccio G.; Roggero P.P.; Seddaiu G.; Bagella S.

Biodiversity effect on coastal dunes ecosystem functioning
Greta La Bella; Carboni M.; Acosta A.T.R.

A sampling strategy for assessing terrestrial habitat at large spatial scale
Marco Cervellini; Chiarucci A.; Franceschi S.; Di Musciano M.; Zannini P.; Cazzolla Gatti R.; Fattorini L.

Restocking actions within the habitat 3150: a case study in the Battista lake (Maiella National Park)
Valter Di Cecco; Conti F.; Carafa M.; Pirone G.; Frattaroli A.R.; Di Martino L.

The first Italian long-term monitoring site for exotic and native species in the global MIREN network
Lucia A. Santoianni; La Bella G.; Carboni M.; Stanisci A.

New data on marshy vegetation of montane and submontane areas of Northern Apennines (Italy)
Lorenzo Lastrucci; Gonnelli V.; Viciani D.

Natural intelligence for robotic monitoring of eu forest habitats: first steps of an exciting challenge
Leopoldo De Simone; Fanfarillo E.; Fiaschi T.; Maccherini S.; Angelini P.; Bagella S.; Caccianiga M.; Gigante D.; Angelini F.; Pollayil M.J.; Garabini M.; Angiolini C.

Lichen diversity patterns in managed vs abandoned old-growth chestnut stands in the Northern Apennine
Francesca Bottegoni; Gheza G.; Pezzi G.; Vallese C.; Nascimbene J.

Sub-Mediterranean Pinus nigra forest in Italy
Dario Ciaramella; Fellin H.; Bricca A.; Selvaggi A.; Bonari G.

Long-term changes in plant communities in the Alpine belt of the Orobic Alps
Diana Sciandra; Mangili F.; Marranchino S.; Caccianiga M.

Reconstructing and analysing historical landscape to characterize the existing vegetation: a case of study in Brescia (Italy)
Elia Lipreri; Caccianiga M.; Gilioli G.; Armiraglio S.

Creating habitats in rural and urban areas to promote animal-mediated pollination, insights from the LIFE PollinAction project (LIFE19 NAT /IT/000848).
Edy Fantinato; Del Vecchio S.; Buffa G.

Supervised classification of Quercus cerris L. and Q. pubescens Willd. dominated forests in the Chianti region through the analysis of phenological variation throughout the year
Virginia De Melo Ferreira De Sousa; Calbi M.; Dell'Olmo L.; Foggi B.

Which ecological changes are induced by the invasion of the alien plant Oenothera stuebelii in Adriatic coastal dunes vegetation?
Tozzi Francesco Pio; Fantinato E.; Buffa G.; de Francesco M. C.; Stanisci A.

Species richness decline in the calcareous steep slopes of high mountain grasslands in Central Apennines
Marco Varricchione; Carranza M.L.; Di Cecco V.; Di Martino L.; Stanisci A.

Friday 17 June 2022

20:30 **Social dinner - will take place at Lo Scalco dell'Aquila**

Saturday 18 June 2022

08:00 **Excursions to the Gran Sasso and Monti della Laga National Park (return time: 16:30)**

Scientific committee: Alicia Teresa Acosta, Marina Allegrezza, Silvia Paola Assini, Simonetta Bagella, Manuele Bazzichetto, Marco Caccianiga, Giampiero Ciaschetti, Luciano Di Martino, Michele Di Musciano, Anna Rita Frattaroli, Loretta Pace, Gianfranco Pirone, Duccio Rocchini, Angela Stanisci, Jean-Paul Theurillat, Barbara Valle, Roberto Venanzoni, Daniele Viciani, Valter Di Cecco.

Organizing committee: Anna Rita Frattaroli, Michele Di Musciano, Lorenzo Ricci, Luciano Di Martino, Loretta Pace, Valter Di Cecco, Walter De Simone.

Secretary: Michele Di Musciano sisv55.2022@gmail.com