

Atti e Convegni

THE 60TH IAVS ANNUAL SYMPOSIUM

Vegetation patterns in natural and cultural landscapes

20-24, June 2017 - Palermo (Italy)



Program
List of participants
Useful maps

<http://iavs.org/2017-Annual-Symposium/Home.aspx>

*“Italien ohne Sizilien macht gar kein Bild in der Seele:
hier ist erst der Schlüssel zu allem.”*

(J. W. Goethe)



PALERMO
UNIVERSITY
PRESS

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Università degli studi di Palermo
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Società Italiana di Scienza della Vegetazione (SISV)

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Program Monday, June 19				
18:30 – 20:30	REGISTRATION - WELCOME RECEPTION			
Program Tuesday, June 20				
8:00 – 17:00	REGISTRATION			
9:00 – 9:30	WELCOME - Riccardo Guarino & Local Authorities - Room A			
9:30 – 10:30	Plenary - JIQUAN CHEN “Vegetation in Anthropocene: A postcard from Mongolian Plateau” - Room A			
10:30 – 11:00	COFFEE BREAK			
11:00 – 12:40	Parallel session 1 (room A / 1) Grasslands, land uses and environmental changes Chair: Monika Janišová	Parallel session 2 (room A / 2) Plant diversity patterns across biomes, habitats and communities Chair: Milan Chytrý	Parallel session 3 (room B) Vegetation, traits and ecosystem services valuation Chair: Bruno Cerabolini	Parallel session 4 (room C) S-Vegetation patterns in relation to multiscale levels of ecological complexity: from associations to geoserries Chair: Franco Pedrotti
12:40 – 14:00	LUNCH			
14:00 – 16:20	Parallel session 1 (room A / 1) Grasslands, land uses and environmental changes Chair: Jürgen Dengler	Parallel session 2 (room A / 2) Plant diversity patterns across biomes, habitats and communities Chair: Alessandro Chiarucci	Parallel session 3 (room B) Vegetation, traits and ecosystem services valuation Chair: Alicia Acosta	Parallel session 4 (room C) S-Vegetation patterns in relation to multiscale levels of ecological complexity: from associations to geoserries Chair: Jorge Capelo
16:20 16:45	COFFEE BREAK			
16:45-17:45	Workshop - young scientists “How to write a successful grant application” (Room A) Chairs: Jana Michaelis, Ricarda Pätzsch special guests: Rob Lewis, Sandro Ricci, Duccio Rocchini, Francesco Sabatini,			WG Vegetation Classification - Business meeting (Room C)
17:45-18:45	(continued) Workshop - young scientists “How to write a successful grant application” (Room A)			WG European Vegetation Survey - Business meeting (Room C)
18:45 – 20:45	AVS - JVS EDITORIAL BOARD MEETING – Room C			

Program Wednesday, June 21			
8:00 – 17:00	REGISTRATION		
9:00 – 10:00	Plenary - NIGEL P. DUNNETT - "Space for urban wildlife: designing green roofs as habitats" - Room A		
9:00 – 10:00			
10:00 – 10:30	COFFEE BREAK		
10:30 – 12:30	Parallel session 1 (room A/1) Green infrastructures and vegetation science Chair: Riccardo Guarino	Parallel session 2 (room A/2) Functional diversity along environmental gradients Chair: Blanca Figueroa-Rangel	Parallel session 3 (room B) Tropical grasslands, land uses and environmental changes Chair: John Du Vall Hay
12:30 – 13:45	LUNCH		
13:45 – 14:45	Plenary - LADISLAV MUCINA "How to be a biome" - Room A		
14:45 – 15:15	COFFEE BREAK		
15:15 – 17:15	Parallel session 1 (room A/1) S- Rethinking biomes – towards a consistent high-level classification of global vegetation Chair: Scott Franklin	Parallel session 2 (room A/2) Vegetation dynamics and human-induced successions Chair: Mercedes Herrera	Parallel session 3 (room B) S- Faces of hidden diversity: dispersal and regeneration traits in vegetation dynamics Chair: Orsolya Valkó
17:15 – 18:45	Poster Session - Botanical Garden Plant diversity patterns across biomes, habitats and communities Grasslands, land uses and environmental changes Tropical grasslands, land uses and environmental changes Green infrastructures and vegetation science Vegetation, traits and ecosystem services valuation S- Vegetation patterns in relation to multiscale levels of ecological complexity: from associations to geoserries Functional diversity along environmental gradients S- Faces of hidden diversity: Dispersal and regeneration traits in vegetation dynamics Vegetation classification, vegetation management and restoration ecology		
18:00-18:45		Workshop "Rethinking biomes" (Room B)	sPlot - Open meeting (Room C)
18:45 – 20:45	IAVS COUNCIL MEETING – Room A		
21:30 – on	IAVS MUSIC JAM SESSION & SOCIAL CLUB – Birroteca "Spillo"		

Program Thursday, June 22	
Mid-symposium excursions	
Time	
8:00 – 19:00	Excursion 1 - Madonie Mts. (Vallone Madonna degli Angeli - <i>Abies nebrodensis</i> , orophilous pulvinate communities) - included in the post-symposium excursion Guided by: Rosario Schicchi &
8:00 – 19:00	Excursion 2 - Madonie Mts. (Piano Battaglia and Pizzo Carbonara - karstic dolines, beechwoods, mountain rangelands) - idem Guided by: Giuseppe Bazan & Giuseppe Baiamonte
8:20 – 19:00	Excursion 3 - Segesta and Monte Cofano (cultural heritage + coastal habitats) - included in the pre-symposium excursion Guided by: Angelo Troia & Teresa Napolitano
8:20 – 19:00	Excursion 4 - Rocca della Busambra (mountain semideciduous woodlands and rangelands) Guided by: Lorenzo Gianguzzi & Orazio Caldarella
8:40 – 18:00	Excursion 5 - Monreale, Castellaccio and Capo Gallo (cultural heritage + coastal habitats) Guided by: Vincenzo Ilardi & Emanuele Genduso
8:40 – 18:30	Excursion 6 - Fiumara Pollina, Cefalù (cultural heritage + Mediterranean riverine vegetation: “fiumara”, coastal habitats) Guided by: Pietro Minissale & Gianpietro Giusso del Galdo
9:00 – 18:30	Excursion 7 - Solunto and Capo Zafferano (cultural heritage + coastal habitats) Guided by: Riccardo Guarino & Corrado Marcenò
9:00 – 18:30	Excursion 8 - Lecceta di Costalunga (holm-oakwood + related seral stages) Guided by: Alfonso La Rosa & Eduardo di Trapani

Program Friday, June 23			
8:00 – 17:00	REGISTRATION		
9:00 – 10:00	Plenary - DAVID P. WARD - "The hidden invasive species: the multiple roles of native invasive plants" - Room A		
10:00 – 10:30	COFFEE BREAK		
10:30 – 12:30	Parallel session 1 (room A/1) Invasive species: past, present and future trends Chair: Martin Diekmann	Parallel session 2 (room A/2) Land-use patterns and vegetation in cultural landscapes Chair: Sara Cousins	Parallel session 3 (room B) S-Theory-based habitat conservation and restoration Chair: Péter Török
12:30 – 13:45	LUNCH		
13:45 – 14:45	Plenary - ULRICH DEIL - "Vegetation landscapes and their transformation under different human landuse - case studies from the SW Mediterranean" - Room A		
14:45 – 15:15	COFFEE BREAK		
15:15 – 17:15	Parallel session 1 (room A/1) Invasive species: past, present and future trends Chair: Norbert Hölzel	Parallel session 2 (room A/2) Land-use patterns and vegetation in cultural landscapes Chair: John Rodwell	Parallel session 3 (room B) Vegetation for conservation planning Chair: Susan Wisser
17:15 – 18:45	Poster Session - Botanical Garden Vegetation dynamics and human-induced successions Invasive species: past, present and future trends Land-use patterns and vegetation in cultural landscapes Vegetation for conservation planning Vegetation diversity on islands S-Remote Sensing for Vegetation Science Macroecological analysis and modelling of vegetation patterns Open session Habitat monitoring and conservation assessment S-Long-term changes of fluvial landscapes: evolutionary trajectories of vegetation patterns Ecological informatics and facilitating vegetation syntheses		
18:00 – 18:45	WG Phytosociological nomenclature - Business meeting (Room A)		WG Ecoinformatics - Business meeting (Room C)
18.45-20.00	Phytocoenologia - Editorial meeting (room A)		
21:00 – 23:30	CONFERENCE DINNER - Botanical Garden		

Program Saturday, June 24			
8:00 – 10:00	REGISTRATION		
9:00 – 10:00	Plenary - BRIGITTE ERSCHBAMER “Habitat monitoring is an essential tool to assess changes and predict consequences: experiences from the Alpine region” - Room A		
10:00 – 10:30	COFFEE BREAK		
10:30 – 12:30	Parallel session 1 (room A/1) Macroecological analysis and modelling of vegetation patterns Chair: Lars Götzenberger	Parallel session 2 (room A/2) Habitat monitoring and conservation assessment Chair: Giuseppe Antonio Valdi	Parallel session 3 (room B) S-Long-term changes of fluvial landscapes: evolutionary trajectories of vegetation patterns Chair: Giuseppe Barbera
12:30 – 14:00	LUNCH		
14:00 – 15:30	IAVS GENERAL ASSEMBLY - Room A		
15:30-16:00	COFFEE BREAK		
16.00-16.15	Plenary - ROBERT PEET “Tribute to F. STUART CHAPIN (recipient von Humboldt award)” - Room A		
16:15 – 17:15	Plenary - F. STUART CHAPIN “Biogeography of social-ecological systems as a basis for predicting future change”- Room A		
17:15 – 18:00	Plenary - Tribute to F. STUART CHAPIN (recipient von Humboldt award) and SANDRO PIGNATTI (past president and honorary member of the IAVS) Chairs: J. Schaminée and Robert Peet		
18:00 – 18:30	CLOSING CEREMONY Chair: Martin Diekmann		

Talks

Tuesday, June 20

Grasslands, land uses and environmental changes (11:00 - 12:40 + 14:00 - 16:20 – ROOM A/1)

Chairs: Monika Janišová & Jürgen Dengler

- 11:00 - **A new aspect of grassland vegetation dynamics: Cyanobacteria can affect the establishment success of plants**
Sonkoly Judit
- 11:20 - **Asynchrony in population fluctuations and stability of grassland biomass**
Lepš Jan
- 11:40 - **Combined effects of livestock grazing and abiotic environment on vegetation and soils of grasslands across Tibet**
Wang Yun
- 12:00 - **Disentangling the effects of a changed grazing and fire regime on steppe vegetation – a trait-based approach**
Freitag Martin
- 12:20 - **Does plant species, phylogenetic and functional diversity decrease when semi-natural grassland habitats transition to different communities?**
Giarrizzo Eleonora
- 14:00 - **Drivers of multi-scale plant community structure in agricultural field margins in South Korea**
Ali Hamada
- 14:20 - **Effects of abandonment on plant diversity and provision of ecosystem services in semi-natural grasslands along soil and climate gradients**
Hovstad Knut Anders
- 14:40 - **How will concurrent acute and chronic disturbances affect plant community in the temperate prairie?**
Castillioni Karen
- 15:00 - **Integrating experimental and gradient approaches to climate change impacts on plant populations and communities**
Vandvik Vigdis
- 15:20 - **Land use change in mountain pastures: ecological changes and social challenges**
Sharma Lila Nath
- 15:40 - **Population performance of *Carex caryophylla*, a rare dry grassland specialist, in remnant grasslands along an urbanisation gradient in Finland**
Jussi Lampinen
- 16:00 - **Prospects of grassland management by dormant-season prescribed burning**
Valkó Orsolya

Plant diversity patterns across biomes, habitats and communities (11:00 - 12:40 + 14:00 - 16:20 – ROOM A/2)

Chairs: Milan Chytrý & Alessandro Chiarucci

- 11:00 - Areas of endemism in the Iranian plateau identified based on the hyperdiverse plant family Asteraceae**
Noroozi Jalil
- 11:20 - Benchmarking phytodiversity patterns and species-area relationships in Palaearctic grasslands: first results from the new GrassPlot database**
Dengler Jürgen
- 11:40 - Effect of selective extinction and range shift on diversity patterns of temperate flora through the Cenozoic**
Shiono Takayuki
- 12:00 - Fine-scale variation in the outcome of plant interactions is not related to abiotic gradients: an unexpected result from the sub-Antarctic**
Buyens Isabelle
- 12:20 - Global mismatch between the species richness of vascular plants and symbiosis fungi across biogeographic realms**
Toussaint Aurele
- 14:00 - Is there a global warming signal within tomillar vegetation on topoclimate gradients in SE Spain?**
Dargie Thomas
- 14:20 - Patterns of pollen diversity as a proxy for large-scale plant diversity across Europe**
Reitalu Triin
- 14:40 - Scale-dependent patterns of species richness in mesic Carpathian grasslands**
Janišová Monika
- 15:00 - Similar plant species richness in managed and unmanaged silver fir–beech forests in the western Pyrenees**
Horvat Vlatka
- 15:20 - Spatial patterns of a range-restricted species in a cloud forest of the Mexican Neotropics**
Olvera-Vargas Miguel
- 15:40 - The varying roles of environmental drivers of fine-scale diversity in a hyperdiverse tropical rainforest**
Chudomelová Markéta
- 16:00 - Variation in drought-tolerance across climatic and land-use gradients in Norwegian coastal heathlands.**
Haugum Siri Vatsø

Vegetation, traits and ecosystem services valuation (11:00 - 12:40 + 14:00 - 16:20 – ROOM B)

Chairs: Bruno Cerabolini & Alicia Acosta

- 11:00 - Agricultural intensification reduces functional trait variability in arable plant communities: results from a pan-European study.**
P. Carmona Carlos
- 11:20 - Bias in community-weighted mean analysis of plant functional traits and species indicator values**
Zelený David
- 11:40 - Combining trait-based ecology and ethnobotany: impacts of biodiversity loss on timber provisioning service**
Kusumoto Buntarou
- 12:00 - Do plant-plant interactions affect functional traits?**
van der Merwe Stephni
- 12:20 - Environmental filtering acts more strongly on clonal than leaf-height-seed (LHS) traits across Central-European habitats**
E. Vojtkó Anna
- 14:00 - Environmental services estimation of tree canopy coverage in urban riparian landscape of Ciliwung River, Indonesia**
Mosyaftiani Amarizni
- 14:20 - Fragmentation affects species and trait composition of plants and hoppers in calcareous grasslands**
Olsen Siri L.
- 14:40 - Interspecific variation in ploidy as an overriding plant trait outlining extinction risks, species distributions and community structure in fragmented landscapes**
Plue Jan
- 15:00 - Sampling intraspecific variability in leaf functional traits: practical suggestions to maximize collected information**
Petruzzellis Francesco
- 15:20 - Temporal fluctuations and functional traits in high-diversity plant communities**
Majekova Maria
- 15:40 - The modular nature of intraspecific trait variability: an experimental demonstration using a broad-niched herbaceous perennial species**
Laanisto Lauri
- 16:00 - Trait responses to mixture and nutrient addition: do they differ across seasons?**
Mason Norman

Session: Vegetation patterns in relation to multiscale levels of ecological complexity: from associations to geoseries (11:00 - 12:40 + 14:00 - 16:20 – ROOM C)

Chair: Franco Pedrotti & Jorge Capelo

- 11:00 - Coastal dune vegetation zonation in Italy: squeezed between environmental drivers and threats**
Acosta Alicia
- 11:20 - Ecology and fragmentation of southern Great Chaco: an insight on native forests loss and fragmentation in central Argentina.**
Carranza Maria laura
- 11:40 - Floristic structure of Festucion valesiaca grassland patches: the importance of management and landscape context**
Gafta Dan
- 12:00 - Geobotany and biogeography: an approach for california ultramafic landscapes**
Sánchez-Mata Daniel
- 12:20 - Geosynphytosociology and completeness of atlantic coastal vegetation zonation, as a tool for bioevaluation of coastal sites.**
Bioret Frédéric
- 14:00 - Kaga Coast in Japan: Natural ecosystem and Cultural landscape insuring Biodiversity**
Fujiwara Kazue
- 14:20 - Modelling plant species distribution patterns under ecological complexity: explicitly accounting for sampling effort bias**
Rocchini Duccio
- 14:40 - Phylogenetic and trait congruence along sucesional sequences: evidence from western mediterranean and macaronesian forest vegetation series**
Capelo Jorge
- 15:00 - Species and habitat biodiversity measure and conservation at different scale in small Mediterranean islands**
Domina Gianniantonio
- 15:20 - Synphytosociology, a tool for landscape monitoring: a case study from the Swiss Alps**
Theurillat Jean-Paul
- 15:40 - Updated data on the genus sarcocornia a.j. scott (chenopodiaceae) and its plant communities in west europe**
Rodríguez Nuria
- 16:00 - Vegetation complexes and Biogeography: towards general criteria for provincialism**
Loidi Javier

Wednesday, June 21

Green infrastructures and vegetation science (10:30 - 12:30– ROOM A/1)

Chair: Riccardo Guarino

10:30 - Boreal cities against invasive alien species. How resilient?

Ranta Pertti

10:50 - Ecological network of green habitat patches in and around Debrecen city (Hungary)

Tóthmérész Béla

11:10 - FUNgreen functional connectivity and green infrastructure

Cousins Sara

11:30 - Mediterranean urban grasslands are messy and scary: a social survey in Italy

Filibeck Goffredo

11:50 - New frontiers in restoration: Ecological theories provide strong support to develop and sustain green infrastructure

Török Péter

12:10 - Urban stepping stones of 92/43/EEC habitats can be established on green roofs in temperate and Mediterranean cities, through the interaction of plant sociology, land restoration and ecological design

Catalano Chiara

S- Rethinking biomes – towards a consistent high-level classification of global vegetation (15:15 - 17:15– ROOM A/1)

Chair: Scott Franklin

15:15 - Division Level Examples for a Global Vegetation-based Biome Classification

Franklin Scott

15:35 - Form Diversity of Vegetation

Box Elgene

15:55 - How to classify forests? Bridging the gap between floristic and physiognomic units.

Willner Wolfgang

16:15 - Macro ecological ordination across biomes: a test of Tropical Conservatism Hypothesis on diversity across biomes in mountain ranges

Vetaas Ole R.

16:35 - Testing vegetation convergence across continents in world biomes

Borja Jiménez-Alfaro

16:55 - The Brazilian Pampa biome: exploring floristic composition and similarity to neighboring regions

Overbeck Gerhard

Functional diversity along environmental gradients (10:30 - 12:30 – ROOM A/2)

Chair: Blanca Figueroa-Rangel

- 10:30 - Distribution of halophytic vegetation on saline soil and their relationship with environmental factors under the conditions of the steppe zone of Southern Siberia**
Kononova Natalia
- 10:50 - Functional diversity along a climate and land-use gradients in Mongolia**
Ahlborn Julian
- 11:10 - How hydrological niches structure plant communities in a biodiversity hotspot**
García-Baquero Gonzalo
- 11:30 - Latitudinal shifts in plant functional traits in herbaceous vegetation along a 1.200 km transect in Kazakhstan and Western Siberia.**
Velbert Frederike
- 11:50 - Patterns of species relatedness created by competitive exclusion depend on species niche differences: evidence from Iberian Atlantic grasslands**
Odriozola Iñaki
- 12:10 - Scale dependent patterns of trait convergence and divergence in temperate grassland communities**
Juraski Gerald

Vegetation dynamics and human-induced successions (15:15 - 17:15– ROOM A/2)

Chair: Mercedes Herrera

- 15:15 - Assessing the potential impact of climate change on tree mortality in temperate forest in France through a spatial approach**
Taccoen Adrien
- 15:35 - Determining drivers of aquatic macrophyte assemblages and human impacts in Mediterranean lakes**
Papastergiadou Eva
- 15:55 - Effects of large-sized forest fire and illegal cutting on the regeneration of a boreal forest in Mongolia.**
Sakamoto Keiji
- 16:15 - Forty-five years of vegetation change in a temperate lowland forest: inferring processes using a trait-based approach**
Closset-Kopp Deborah
- 16:35 - High rates of forest regeneration after wind disturbance in a mixed temperate forest in SE Poland**
Szwagrzyk Jerzy
- 16:55 - Rapid loss of open land species and slow colonisation of forest species following grassland abandonment**
Kimberley Adam

Tropical grasslands, land uses and environmental changes (10:30 - 12:30 – ROOM B)

Chair: John Du Vall Hay

10:30 - And after fire, the grasses are flowering in Cerrado

Fidelis Alessandra

10:50 - Are there consistent drivers of taxonomic and functional diversity in West African Sudanian savannas?

Guuroh Reginald Tang

11:10 - Long-term effects of grazing pressure on functional strategies and components of diversity in subtropical grassland

Fischer Felícia M

11:30 - Medium-term fire absence increases non-arboreal species richness and functional diversity at local scales in Brazilian savannas

Rossatto Davi Rodrigo

11:50 - Patchiness in arid lands: trade-offs between environment quality and density effects modulate community structure.

Facelli Jose M.

12:10 - Soft predictors of turnover and nestedness to help conservation decisions in Campos Sulinos grasslands

Menezes Luciana

S-Faces of hidden diversity: dispersal and regeneration traits in vegetation dynamics (15:15 - 17:15– ROOM B)

Chair: Orsolya Valkó

15:15 - Can we rely on only the “dark side”? A soil seed bank study assessing the restoration potential of agricultural grasslands

Klaus Valentin

15:35 - Regeneration traits and the trait spectrum of the main European temperate grasslands

Ladouceur Emma

15:55 - Seed bank studies in Mediterranean grasslands and wetlands: lessons learnt from restoration

Buisson Elise

16:15 - Seed Traits Predict Seed Tolerance to Fire in Savanna and Forest Legume Trees

Daibes L. Felipe

16:35 - Soil seed banks as buffers of climatic unpredictability: a long-term study combining empirical and modelling approaches

Sternberg Marcelo

16:55 - Spatial pattern of tree stand regeneration in the Carpathian subalpine spruce forest

Zywiec Magdalena

Vegetation classification, vegetation management and restoration ecology (10:30 - 12:30 + 15:15 - 17:15 – ROOM C)

Chairs: Javier Loidi & Miquel De Cáceres

- 10:30 - Betuletea ermanii - a new class of forest vegetation**
Krest Pavel
- 10:50 - Does Indicator species concept improving the gradient analysis results of plant communities?**
Atashgahi Zohreh
- 11:10 - Early successional vegetation dynamics of alluvial deposits following dam removal**
Laslier marianne
- 11:30 - How to characterize, describe and map an agro-pastoral landscape devoid of late secondary successional stage?**
Auriere Anne
- 11:50 - Mixed functional and phytosociological classification reveals alternative patterns of plant community assembly in Mediterranean dry grasslands dominated by *Lygeum spartum***
Marcenò Corrado
- 12:10 - On the use of structural and compositional dissimilarity measures for the analysis of forest structure and dynamics**
De Cáceres Miquel
- 15:15 - Phytosociological investigation on the chasmophilous vegetation of the Eastern Mediterranean territories**
Wagensommer Robert Philipp
- 15:35 - Subtropical mountain forests of Las Yungas (Jujuy, Argentina): The beginning when there is little previous information**
Gavilán Rosario
- 15:55 - Tackling shrub encroachment by roller-chopping preserves woody plants diversity and composition in a dry subtropical forest.**
Rejžek Martin
- 16:15 - Using lambda index for evaluating the stability of different classification methods of real community data set of a Hyrcanian forest**
Tavakoli Samaneh
- 16:35 - WetVegEurope project AND (new results), OR (different views) AND NOT yet the end of a formalized classification of European wetland vegetation**
Landucci Flavia
- 16:55 - When rare species are unimportant but height is: linking plot-based classifications to mapped plant communities in a tropical savanna, Australia**
Addicott Eda

Friday, June 23

Invasive species: past, present and future trends (10:30 - 12:30 + 15:15 - 17:15 – ROOM A/1)

Chairs: Martin Diekmann & Norbert Hölzel

- 10:30 - Above- and belowground effects of the invasive shrub *Acacia longifolia* ssp. *longifolia* on open eucalypt woodland in southeastern Australia**
Barron Samantha
- 10:50 - Alien plant species as a threatening factor in disturbed forests in Slovenia**
Kutnar Lado
- 11:10 - Alien species pools affect differences in the level of invasion among vegetation types**
Chytrý Milan
- 11:30 - Aliens among locals: invasive species decrease phylogenetic and functional diversity while increasing differences among native community members**
Francesco de Bello
- 11:50 - Analysing impact of spatial accuracy and sample size on habitat suitability models for invasive plants**
Jelaska Sven
- 12:10 - Effect of alien plant invasion on the phylogenetic structure of riverine habitats with different disturbance regime**
Biurrun Idoia
- 15:15 - Facilitation or competition? The effects of the shrub species *Tamarix chinensis* on herbaceous communities are dependent on the successional stage in an impacted coastal wetland of North China**
Du Ning
- 15:35 - High species richness and nitrogen additions promote grassland community resistance to invasion**
Balogianni Vasiliki
- 15:55 - Invasion of *Spartina anglica* in European south Atlantic salt marshes: colonization of an empty niche or competitive exclusion of native *Spartina maritima*?**
Michalet Richard
- 16:15 - Leaf traits at home and abroad: a community perspective of sycamore maple invasion**
Decocq Guillaume
- 16:35 - Microwave soil heating for controlling invasive plant species germination**
Hess Manon
- 16:55 - Patterns of biotic invasions in temperate forests: a long-term insight from vegetation plot resurveys**
Hédl Radim

Land-use patterns and vegetation in cultural landscapes (10:30 - 12:30 + 15:15 - 17:15 – ROOM A/2)

Chair: Sara Cousins & John Rodwell

- 10:30 - Changes of plant communities of Malinda wetland in Tanzania and their relationships with land uses intensity and soil properties**
Mogha Neema
- 10:50 - Demands deviate, or perhaps not? – Soil pH niche shifts in herbaceous forest species across north-western Europe**
Michaelis Jana
- 11:10 - Finding the last wild forests: understanding the distribution of primary forest in Europe**
Sabatini Francesco Maria
- 11:30 - Floristic variation and functional diversity of poet's daffodil hay meadows: implications for conservation and restoration**
Carbognani Michele
- 11:50 - Loss of semi-natural grasslands in the boreal region - A case study from Norway**
Aune Sigrun
- 12:10 - New perspectives on "The Last Wilderness of Northern Europe" – a domesticated landscape with a long history of land use**
Hörnberg Greger
- 15:15 - Steppe grasslands on ancient burial mounds – Threatened hotspots of biodiversity**
Deák Balázs
- 15:35 - Structure and tree species composition of preindustrial Finnish forest landscapes**
Aakala Tuomas
- 15:55 - Traditional agrosystems trajectories analysis using a vegetation science approach: the MEMOLA EU FP7 Project as a case study**
Bazan Giuseppe
- 16:15 - Vegetation dynamics of the cultivated landscape of Minami-Souma, Fukushima, after the Great East Japan Earthquake**
Nakamura Yukito
- 16:35 - When semi-natural forests become a cultural reference point: the case of Mediterranean pine coastal stands under a long history of human influence**
Bonari Gianmaria
- 16:55 - Winners and losers of management intensification: species-specific response of plants to land-use intensity in grasslands**
Kleinebecker Till

S-Theory-based habitat conservation and restoration (10:30 - 12:30– ROOM B)

Chair: Péter Török

- 10:30 - Climatic extremes interact with experimental factors in grassland restoration: an experimental long-term study**
Maccherini Simona
- 10:50 - Distance-decay in tree demographic responses to an earthquake: natural disturbance and conservation management**
Wiser Susan
- 11:10 - Point-to-plant distances and integral occurrence probability: reliable detection of change in vegetation in an adaptive management planning framework**
Van Calster Hans
- 11:30 - Problems and solutions for rehabilitation of degraded by overgrazing lands in mountainous countries (case study of Armenia)**
Aleksanyan Alla
- 11:50 - Successful restoration: 19 years of vegetation sampling reveal unexpected dynamics in development towards a species-rich flood meadow**
Rupprecht Denise
- 12:10 - Transgenerational effects in plant interactions: does parental competition improves offspring adaptability?**
Puy Javier

Vegetation for conservation planning (15:15 - 17:15 – ROOM B)

Chair: Susan Wiser

- 15:15 - Cross-continental comparisons of multi-decade tree mortality in old-growth temperate forests show convergent patterns of life-history differentiation and non-equilibrial dynamics.**
Woods Kerry
- 15:35 - Extra zonal climatic niches as natural experiment to test plant adaptation towards climatic change**
Wellstein Camilla
- 15:55 - Patterns of ruderal plant species diversity in Greece: simple or complicated?**
Panitsa Maria
- 16:15 - Peculiarities of tree-herb interactions in the Kazakh forest-steppe**
Tölgyesi Csaba
- 16:35 - Vascular plants as indicators of species diversity in european temperate forests: are they effective for multiple taxa at multiple scales?**
Burrascano Sabina
- 16:55 - Vegetation patterns and forest recovery on abandoned agricultural lands in the Central European Russia**
Khanina Larisa

Vegetation diversity on islands (10:30 - 12:30– ROOM C)

Chair: Guillaume Decocq

- 10:30 - Do positive plant-plant interactions expand the upper distributional limits of vascular plant species on Marion Island?**
Raath Morgan
- 10:50 - Facilitation by the cushion plant *Azorella selago* affects a beneficiary species population structure more strongly than abiotic conditions**
Le Roux Peter
- 11:10 - Long-term temporal changes in diversity after volcanic eruptions on a sea-born Mediterranean volcanic island, Nea Kameni (Santorini, Greece) with insights into assembly processes**
Karadimou Elpida
- 11:30 - Phytosociological role of the Sicilian endemic species**
Giusso del Galdo Gianpietro
- 11:50 - Short-term variation in species richness across an altitudinal gradient in Lefka Ori, Crete**
Vogiatzakis Ioannis
- 12:10 - Structure and diversity of a metacommunity system in the Tuscan archipelago**
Chiarucci Alessandro

S-Remote Sensing for Vegetation Science (15:15 - 17:15 – ROOM C)

Chair: Duccio Rocchini

- 15:15 - Contrasting productivity and snow persistence trends among the vegetation types of mountain tundra**
Niittyne Pekka
- 15:35 - Differentiating plant strategy types using canopy reflectance: What makes the difference?**
Kattenborn Teja
- 15:55 - Mapping peatlands above and underground carbon stock with remote sensing data: a structural equation modeling approach**
Lopatin Javier
- 16:15 - Modeling plant invasion on Mediterranean coastal dunes: an integrative approach using remotely sensed data**
Bazzichetto Manuele
- 16:35 - Recognition of plant community types from near-ground nadir photography**
Koch Marian
- 16:55 - Using remote sensing to assess the ecosystem impact of invasive plant species**
Ewald Michael

Saturday, June 24

Macroecological analysis and modelling of vegetation patterns (10:30 - 12:30– ROOM A/1)

Chair: Lars Götzenberger

- 10:30 - Are compensatory dynamics a rare mechanism of temporal community stability?
A plant global scale analysis of permanent plot data**
Valencia Enrique
- 10:50 - Macro-scale species abundance distribution inferred from widespread vegetation plot data**
Fukaya Keiichi
- 11:10 - Phylogenetic community assembly of angiosperm trees along climatic and geographical gradients**
Kubota Yasuhiro
- 11:30 - Revealing ecological advantage of plant clonality at the macroecological scale**
Fujinuma Junichi
- 11:50 - The role of soil moisture in shaping plot-scale vegetation patterns in high-latitude landscapes**
Kemppinen Julia
- 12:10 - The species richness–productivity relationship in Eurasian dry grasslands depends on the type of nutrient limitation**
Palpurina Salza

Habitat monitoring and conservation assessment (10:30 - 12:30– ROOM A/2)

Chair: Giuseppe Antonio Vivaldi

- 10:30 - Evidences of declining reed-beds in the Mediterranean: an overview of symptoms, spatial trends and some environmental features from central Italy**
Gigante Daniela
- 10:50 - Homogenization of species rich meadows by nature conservation management rules**
Karrer Gerhard
- 11:10 - Interpreting the jewel in the crown: Patterns of rarity in the ancient subdued landscapes of south-western Australia's Helena-Aurora Banded Ironstone Formation Range**
Wardell-Johnson Grant
- 11:30 - Optimizing phytosociological units' identification: reducing the time spent for vegetation surveys and extending the field season**
Maciejewski Lise
- 11:50 - Standardise sampling completeness to solve the problem of undersampling**
Li Ching-Feng
- 12:10 - The European Red List of Terrestrial and Freshwater habitats**
Rodwell John

S-Long-term changes of fluvial landscapes: evolutionary trajectories of vegetation patterns (10:30 - 12:30– ROOM B)

Chair: Giuseppe Barbera

- 10:30 - Changes in tree species composition of riparian forests in river catchment basins and trends in structures of forest habitats**
Rove Ieva
- 10:50 - Diachronic analysis of riverine landscapes in Tagus and Guadiana rivers**
Fernandes M Rosario
- 11:10 - Long-term trends in annual river vegetation diversity and structure in northern Italy: the role of alien species and global climate change**
Bolpagni Rossano
- 11:30 - Response of the wetland plant communities to nutrient level in contrasting fluvial contexts**
Cuenot Quentin
- 11:50 - Stressed riverscapes: riparian vegetation history in time and space**
Aguiar Francisca
- 12:10 - Zonation over succession: a particularity of mediterranean riparian ecosystems**
Rivaes Rui

Ecological informatics and facilitating vegetation syntheses (10:30 - 12:30– ROOM C)

Chair: Jan Leps

- 10:30 - A complex expert system language for vegetation classification and semi-automated optimisation of diagnostic species groups**
Tichý Lubomír
- 10:50 - A worldwide key to plant functional types**
Gillison Andrew
- 11:10 - An Android app to do relevés**
Schmidtlein Sebastian
- 11:30 - An ordination of ordinations: comparing the predictive power of ordinations to evaluate methodological decisions**
Wildi Otto
- 11:50 - Non-metric Multidimensional Scaling of Vegetation Data: Insights and Innovations**
Minchin Peter
- 12:10 - The assignment of relevés to pre-existing vegetation units: A comparison of approaches using species fidelity**
Asadi Hamed

Posters

Wednesday, June 21

Plant diversity patterns across biomes, habitats and communities

- 001. Biotic filters and community invasibility in three vegetation patches in a tropical Mexican desert**
Jimenez Monserrat
- 002. Determinants of woody plant diversity in an ecological transition zone in southernmost Brazil**
Dadalt Leticia
- 003. Drought stress induced changes of the assembly rules in a semiarid grassland.**
Tamás Rédei
- 004. Ecological drivers of plant diversity patterns in remnants coastal sand dune ecosystems along the northern Adriatic coastline**
Tordoni Enrico
- 005. Impact of a rainfall gradient on above and below ground carbon in the North-eastern Namibian dry woodland ecosystem**
Nott Amber Jeanne
- 006. Individual Species-Area Relationship of tree species in a tropical broadleaved forest**
Nguyen Hai
- 007. Latitudinal phylogenetic diversity gradient differs for woody and herb communities**
Capichoni Massante Jhonny
- 008. Plant species richness in riparian forests: Longitudinal pattern, influence of topography and role of rare species**
Remigiusz Pielech
- 009. Projections of soil carbon under CMIP5 RCP4.5 in North-South Transect of Eastern China**
Sun Guodong
- 010. Scale sensitivity of the relationship between alpha and gamma diversity along an elevation gradient of central Nepal**
Bhatta Kuber
- 011. Site conditions and species richness of coastal grasslands on the Miura Peninsula, Kanagawa, eastern Japan**
Tetsu Shintaro
- 012. Spatial model of potential distribution of *Quercetalia pubescenti-petraeae* Klika 1933 communities within forest-steppe zone of the Eastern Europe**
Kozhevnikova Mariya
- 013. Spatio-temporal patterns of a widespread distribution species in mountain forests of the Mexican Neotropics**
Figueroa-Rangel Blanca Lorena
- 014. Testing of consistency in the impacts of burrowing on soil and vegetation across biomes**
Louw Michelle Anne

Grasslands, land uses and environmental changes

- 015. **Comparative analysis of vegetation on grasslands abandoned, grazed and mowed after shrubcutting in Matra Montains in Hungary**
Gergely Pápay
- 016. **Diversity and reliability of biomass production in different grassland types in Hungary**
Szabó Gábor
- 017. **Impact of management on species composition and soil properties in species-rich grasslands**
Swacha Grzegorz
- 018. **Influence of spring burning on Molinion meadows in Kraków (southern Poland)**
Wójcik Tomasz
- 019. **Long-term monitoring of steppic grasslands: stress effects, resilience and nature conservation management**
Storm Christian
- 020. **Pasture ecosystems of eastern Ukraine are on the verge of extinction**
Tokarsky Victor
- 021. **Spatial variation of soil respiration, as a potential indicator of functional reliability in grasslands**
Zimmermann Zita
- 022. **Studies on grassland regeneration and game browsing impact after shrub control in Parádóhuta (Mátra Mountains, NE Hungary)**
Penksza Károly

Tropical grasslands, land uses and environmental changes

- 023. **Alien grass reduces recruitment potential of native tree species in a Neotropical savanna.**
Borghetti Fabian
- 024. **An African grassland responds similarly to long-term fertilization to the Park Grass experiment**
Ward David
- 025. **Does fire influence seedling recruitment in Brazilian savannas?**
Ferreira Adalgisa Maria
- 026. **Does the presence of *Melinis minutiflora* affect the floristic composition in a Cerrado community?**
Hay John Du Vall

Green infrastructures and vegetation science

- 027. **Ecological network “Emerald” in Armenia**
Fayvush Georgi
- 028. **Importance of substrate for green roofs: relationship between substrate composition, depth, moisture, and plant cover**
Chenot Julie
- 029. **Roma Ecosystem: twenty years later...**
Fratarcangeli Carlo

Vegetation, traits and ecosystem services valuation

- 030. **Are functional redundancy indices redundant? A test using parametrized communities and different scenarios of species loss.**
Galland Thomas
- 031. **Comparison of 12 wood traits between major gymnosperm and angiosperm tree species in China**
Han Wenxuan
- 032. **Effects of agricultural intensification on floral functional diversity in Mediterranean arable field boundaries**
Blanco-Moreno José Manuel
- 033. **Evapotranspiration is important for understanding the changed landscape identity: the case of the “classical” Karst in Slovenia**
Kaligaric Mitja
- 034. **Experience in evaluation of ecosystem services based on species diversity and ecosystem productivity of protected Raifa forest ecosystems**
Sautkin Ilya
- 035. **Functional and phytocoenological approaches to the ecology of *Laurus nobilis* L. in Italy**
Alessi Nicola
- 036. **Plant Composition, Diversity, aboveground Biomass production of herbaceous macrohabitats under the influence of woody encroachment in Pantanal wetland**
Barbosa da Silva Fernando Henrique
- 037. **Trade-offs of leaf functional traits and community structure of forests in eastern China**
Guo Qiang
- 038. **Using individual species and species combination in indicator value analysis of hyrcanian Box tree (*Buxus hyrcana* Pojark.) communities in northern Iran**
Esmailzadeh Omid
- 039. **What makes a tree a good phorophyte?**
Arcela Vicente

S-Vegetation patterns in relation to multiscale levels of ecological complexity: from associations to geoserries

- 040. Ecologic Evaluation of a territory by means of its vegetation**
Orrantia Oreina
- 041. Interpretation and geobotanical significance of geoserries**
Pedrotti Franco
- 042. Using geobotanical tools to operationalize mapping and assessment of ecosystem services (maes) in southern portugal**
Mesquita Sandra

Functional diversity along environmental gradients

- 043. An intraspecific analysis of functional traits variability to understand snowbed plant response to advanced snowmelt induced by climate warming**
Tonin Rita
- 044. Changing the relative importance of environmental filtering and mass effect along a productivity gradient**
Botta-Dukát Zoltán
- 045. Determinant climatic variables of Rhododendron sister taxa distribution and their distributional overlap in the Himalaya**
Suwal Madan K.
- 046. Diversity of the inland salt-marsh vegetation in the gradient of soil properties**
Piernik Agnieszka
- 047. Effects of climate, soil, structure and management on functional traits in forest understory**
Canullo Roberto
- 048. Endemic species distribution patterns in the Pastizales del Río de la Plata region**
Andrade Bianca
- 049. Evaluating resistance of trees to environmental fluctuations during early developmental stages – effects on above and belowground growth**
Barbosa Eduardo R M
- 050. Frost as a limiting factor for tree encroachment in wet grasslands from Cerrado (Brazilian savanna)**
Kolb Rosana Marta
- 051. Gradient along three scrub formations in the southern Balkans: maquis, pseudomaquis and shibljak**
Carni Andraz
- 052. Grazing strategies promote changes in opposite directions of functional diversity in a native grassland**
Baggio Rodrigo

- 053. Limited resilience in hotspots of functional richness: the Mediterranean riparian shrublands**
Lozanovska Ivana
- 054. Plant phylogenetic diversity of dry grassland correlate with climatic drivers on the territory of the Republic of Macedonia**
Cušterevska Renata
- 055. SGH: Stress or Strain Gradient Hypothesis? Insights from the roof of the world**
Liancourt Pierre
- 056. Small-scale mapping of bioclimatic forest types in the mountain systems**
Ermakov Nikolai
- 057. Using a model based fourth-corner analysis to explain plant traits pattern in high mountain ecosystems**
Frate Ludovico

S-Faces of hidden diversity: Dispersal and regeneration traits in vegetation dynamics

- 058. Can germination explain tree species distribution in a wetland?**
Oliveira Patricia
- 059. Good dispersers disappear from European calcareous grasslands following the payment of extinction debt**
Kasari Liis
- 060. Microsite specific survival of spruce saplings in primeval subalpine forest**
Kurek Przemyslaw
- 061. Seeds with intermediate dispersal distances have the highest rates of survival**
Riibak Kersti
- 062. The role of endozoochoric dispersal by cattle in the transport of seeds in natural grasslands**
Minervini Graziela

Vegetation classification, vegetation management and restoration ecology

- 063. A vegetation classification of The Nama Karoo Dwarf Shrub savanna in South Central Namibia**
Mbeeli Nabot
- 064. Floristic composition of wet meadows dominated by *Alopecurus pratensis* in the NW Balkan Peninsula**
Skvorc Zeljko
- 065. Formalised classification of Natura 2000 forest habitats in Poland**
Kacki Zygmunt
- 066. Influences of climate change on the distribution of Fagaceae species in China**
Zhu jiangling

067. **Phytosociology and ecology of deciduous forests in Tajikistan (Middle Asia)**
Nowak Arkadiusz
068. **The community diversity and vertical distribution of the vegetation on the coastal Dinaric mountain, NE Mediterranean**
Jasprica Nenad
069. **The Salicetea herbaceae class in Altai-Sayan mountain system, Russian Federation**
Zibzeev Evgeny
070. **The South African National Vegetation Map: Improving quality and scientific robustness for effective biodiversity and conservation planning**
Dayaram Anisha
071. **Vegetation of the Central Zone of Lake Baikal Eastern Coast**
Brianskaia Elena

Friday, June 23

Vegetation dynamics and human-induced successions

072. **40 yrs vegetation change of Mizunara oak forest in Hokkaido, northern Japan**
Hoshino Yoshinobu
073. **Development of woody vegetation on the flotation tailing Münzachtal near Freiberg (Saxony, Germany) as dependent on substrate conditions**
Heilmeier Hermann
074. **Features of species composition of anthropogenically disturbed vegetation in the western part of the Kirghiz Alatau range (the northern Tien Shan mountains)**
Kudabayeva Gulmira
075. **Impact of changes in vegetation of human impacted nutrient poor oak-hornbeam forests on the differentiation of mountain forest vegetation**
Durak Tomasz
076. **Land-use patterns and forest vegetation: plant diversity, secondary succession and restoration of forests after long-term cutting and plowing (Moscow region, Russia)**
Korotkov Vladimir
077. **Long-term observation of the dynamics of herb layer in forest released from human pressure – on example of Taxus baccata nature reserve in Wierzchlas (NW Poland)**
Kaminski Dariusz
078. **Maedow vegetation of the Syrdarya river valley (Kyzylorda area, Kazakhstan)**
Vesselova Polina
079. **Population dynamics of Pterocarya rhoifolia in snowy region**
Nakano Yosuke
080. **Regeneration of Oak in Central Himalaya: A hope for thriving future**
Verma Abhishek K.

- 081. Shift from pine- to oak-dominated forests following forest fires: the effects of pre-fire vegetation structure**
Choung Yeonsook
- 082. The vegetation dynamic on lava flows of the natural park of mont etna (italy)**
Poli Marchese Emilia
- 083. Tree community in six human-modified tropical forests (HMTFs): Diversity and structure of Atlantic Rainforest fragments in southeastern Brazil**
Sabino Gabriel

Invasive species: past, present and future trends

- 084. Adventive fraction of flora of abandoned lands Right-bank steppe Pridneprov'ya (Ukraine)**
Lysohor Lyudmyla
- 085. Ecological distribution modelling for invasive aquatic plant species based under current climate**
Lozano Vanessa
- 086. Impacts of alien black locust on species diversity: a comparison of native and alien plant communities in Shandong Province, China.**
Zhang Wenxin
- 087. Invasion of *Asclepias syriaca* common in habitats with human disturbance – is it a threat to the native flora?**
Kelemen András
- 088. Invasive aquatic macrophytes of Ukraine**
Tetyana Dziuba
- 089. Managing invasive grasses with fire: can fire season create dissimilar communities?**
Damasceno Gabriella
- 090. The adaptation of seeds to hydrochory and the invasive potential of *Spiraea tomentosa* L.**
Wiatrowska Blanka
- 091. The invasive alien *Amelanchier spicata* impact on plant communities diversity, abundance and composition in lithuanian forests**
Pratasiene kristina

Land-use patterns and vegetation in cultural landscapes

- 091. Biomineralization processes in halophyte chenopodiaceae species of inland saline territories from the iberian peninsula**
de la Fuente Vicenta
- 092. Characteristics of mass mortality of oak trees caused by Japanese oak wilt disease in an old evergreen broad-leaved forest in southwestern Japan**
Hirata Ryoko

093. **Conservation priority at community level to preserve native flora in a suburban area of Japan**
Yoshikawa Masato
094. **Linking current vegetation patterns to the ancient cultural landscapes: the case of Porolissum Roman archaeological site**
Roman Anamaria
095. **Main botanical garden of almaty scientific, educational and cultural centre of the megapolis**
Sitpayeva Gulnara
096. **Plant species diversity around forest edges in farmland-agroforestry mosaics East Java, Indonesia**
Satoshi Ito
097. **The vegetation's features of class *Artemisietea vulgaris* on the iron ore dumps in Kryvyi Rih region (Ukraine)**
Yeremenko Nathalia
098. **Vegetation composition and structure of a tropical montane forest in ifugao rice terraces lansdapes, northern luzon, philippines**
Rabena Mark
099. **Vegetation Landscape of Yokohama City in the 19th century of Japan**
Harada Atsuko
100. **Well-hedged by hedgerows? How traits determine the forest herb community in hedgerows**
Litza Kathrin

Vegetation for conservation planning

101. **Dynamics in tree fern forests on Trindade Island, South Atlantic, Brazil, before and after feral goat eradication.**
Alves Ruy
102. **Forest plantations in a South American Pampas environment: it is possible the regeneration of grasslands after 20 years of afforestation?**
Cadenazzi Monica
103. **Population distribution and sociability of phanerophytes in the southern part of Alborz Mountains (Iran) and their application in landscape design**
Ravanbakhsh Hooman
104. **Shifts in biotic interactions with climate change in semi-natural grasslands in Western Norway**
Jaroszynska Francesca

Vegetation diversity on islands

- 105. Factors determining floristic diversity in a small archipelago**
Wojterska Maria

S-Remote Sensing for Vegetation Science

- 106. Allometric relationships for predicting the stem volume in a *Impatiens glandulifera* at Himalayan Region by Inventory-Based Geospatial Approach using Sentinel-2 Sensor**
Kumar Pavan
- 107. Combined use of phytosociological relevés and Earth observation data for mapping sub-halophilous plant communities in old embanked coastal marshlands in western France**
Rapinel Sebastien
- 108. Contribution of MODIS satellite time-series for structural and functional mapping of geosigma**
Dusseux Pauline
- 109. Modelling the Carpino-Fagetea communities in Albania**
De Sanctis Michele
- 110. Multispectral analysis for forest mapping and identification of regeneration in area of the north west algeria**
zegrar ahmed
- 111. Quantifying spatiotemporal patterns of land-cover change with satellite image classification in Tbeing leak Community Forest, Siem Reap province, Cambodia.**
Kajisa Tsuyoshi
- 112. Unmanned aircraft, a valuable tool in vegetation structure assessment**
Mullerova Jana

Macroecological analysis and modelling of vegetation patterns

- 113. Do shade tolerance and mycorrhizal status influence tree sapling susceptibility to conspecific negative density dependence?**
Brown Alissa J.
- 114. Hypothesis on Assembly Optimization of the Resource Use**
Hobohm Carsten
- 115. Seasonality in rainfall and its effects on trees and lianas richness/abundance patterns**
Borgiani Renan
- 116. Topographic wetness index predicts soil moisture better than bioindication with Ellenberg's indicator values**
Radula Malgorzata

Open session

- 117. **A test of synchrony indices for temporal community data**
Götzenberger Lars
- 118. **Anatomical responses of leaf and stem of *Arabidopsis thaliana* to nitrogen and phosphorus addition**
Ji Chengjun
- 119. **Nitrogen and phosphorus stoichiometry of nitrogen-fixing and non-nitrogen-fixing shrubs in northern China**
Yanpei Guo
- 120. **Siderophore antibiotic conjugates: An green approach towards bacterial pathogenesis**
Dhusia Kalyani

Habitat monitoring and conservation assessment

- 121. **An assessment framework for regionally protected biotopes (RBBs) in Flanders, Belgium.**
De Bie Els
- 122. **Diversity of fungal communities in dead logs: effects of forest structure and substrate quality in four unmanaged italian forests**
Pioli Silvia
- 123. **Effects of spatial scales and vegetation types on Observer bias: practical implications for long term monitoring programs**
Bacaro Giovanni
- 124. **Elevation and selective logging affect the phylogenetic diversity and structure of tree communities in the Atlantic Rainforest**
Kamimura Vitor
- 125. **Fine-scale and global distribution of a cushion plant species: Patterns and predictors for *Euphorbia clavarioides***
Momberg Mia
- 126. **Habitat mapping and change detection in Natura2000 coastal sites in Southern Apulia**
Tomaselli Valeria
- 127. **Large vegetation databases, a tool to support the implementation of Nature Conservation Policy in Italy: cases from northern Italy**
Agrillo Emiliano
- 128. **Potential distribution of the rare endemic plant, *Cicerbita uralensis* (Asteraceae), under climate change: from the past to the future**
Prokhorov Vadim
- 129. **The advancing alpine treeline on Mt. Fuji in Japan**
Sakio Hitoshi

- 130. The model of *Pistacia vera* L. ecological niche in Southern Kazakhstan**
Islamgulova Anastassiya
- 131. Unique chalk communities in eastern Ukraine (problems of conservation and rational use)**
Nadezda Tokarskaya
- 132. Vegetation trends of woody plants and grasses along the Kalahari, north-east Namibia**
Shidolo Emma
- 133. What has happened to coastal dune vegetation in the last decade? A diachronic analysis based on random plots.**
Sperandii Marta Gaia

S-Long-term changes of fluvial landscapes: evolutionary trajectories of vegetation patterns

- 134. Long term resilience changes in Southern European riparian forests: a dendroecology approach**
Marques Inês
- 135. Role of hydrochorous seed dispersal for the restored Traisen River area (Danube floodplain)**
Rasran Leonid
- 136. Vegetation dynamics in the ural river delta and the caspian sea coast**
Dimeyeva Liliya

Ecological informatics and facilitating vegetation syntheses

- 137. An invitation to join sPlot, the global vegetation database**
sPlot team Borja Jiménez-Alfaro
- 138. Constructing uniform vegetation database of the relict Hyrcanian forests; Determination of the most environmental factors affecting floristic composition and indicator species**
Gholizadeh Hamid

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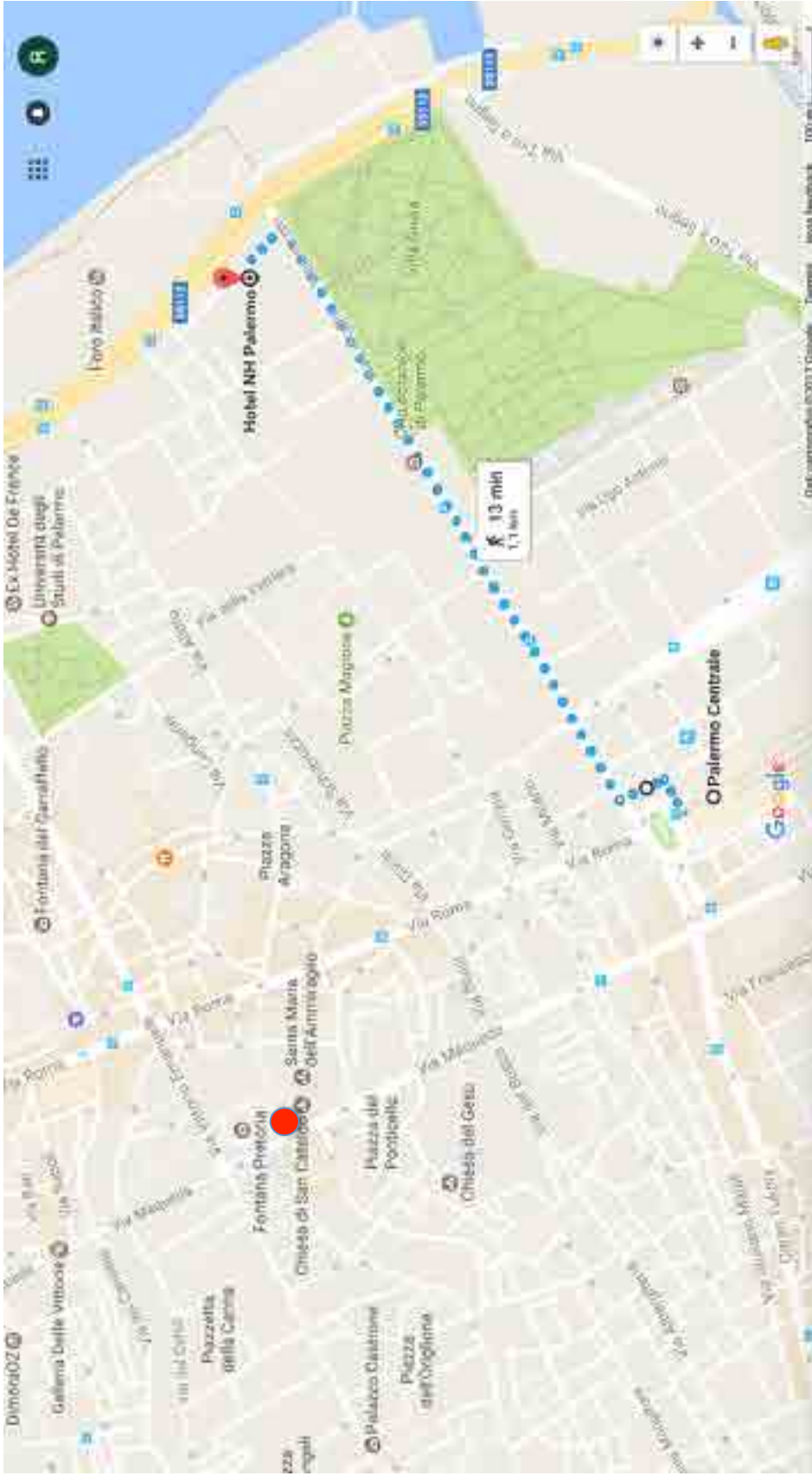
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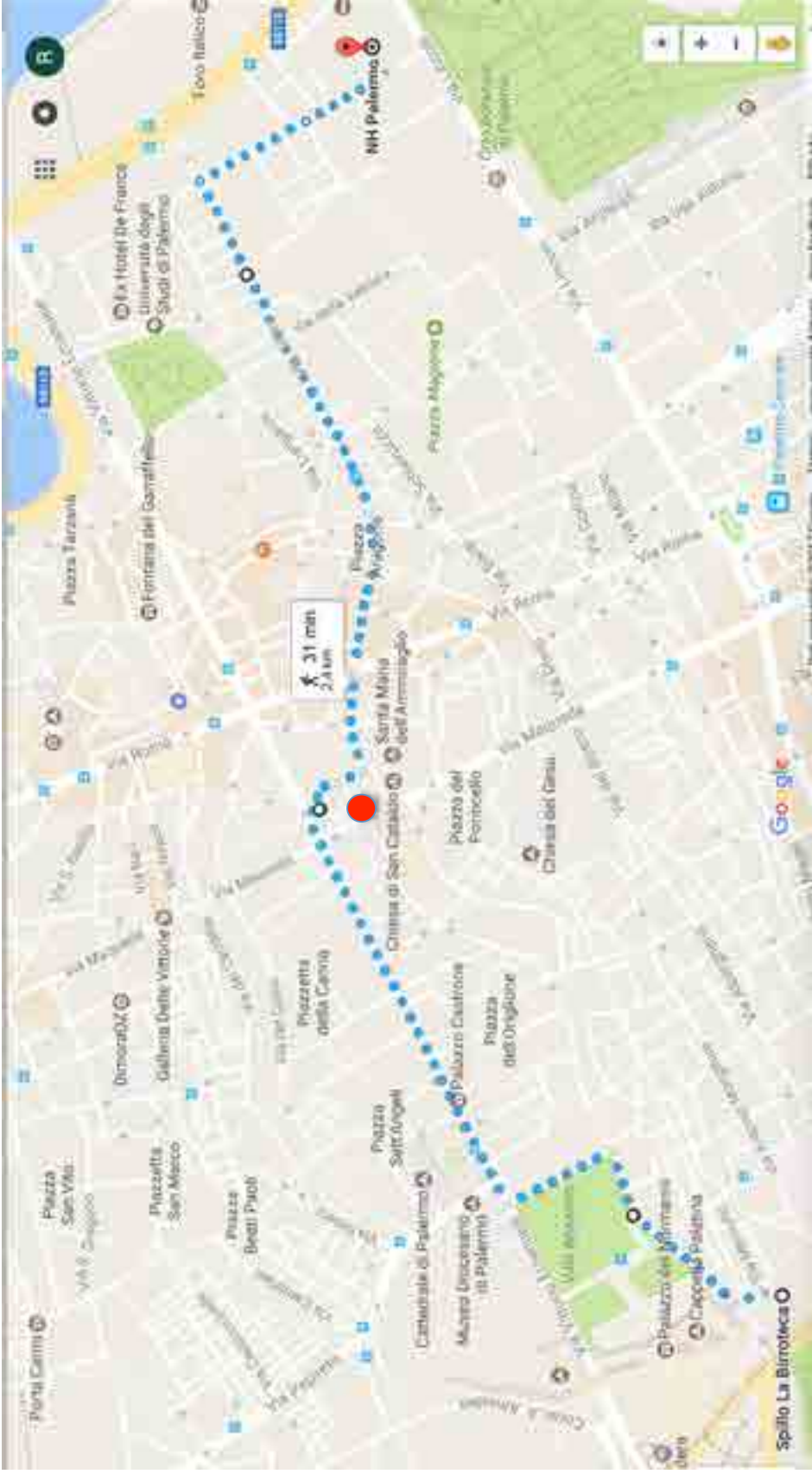
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Useful Maps



Suggested itinerary from the railway station (Palermo Centrale) to the NH Hotel (Symposium venue). The red point indicates the tourist info bureau.

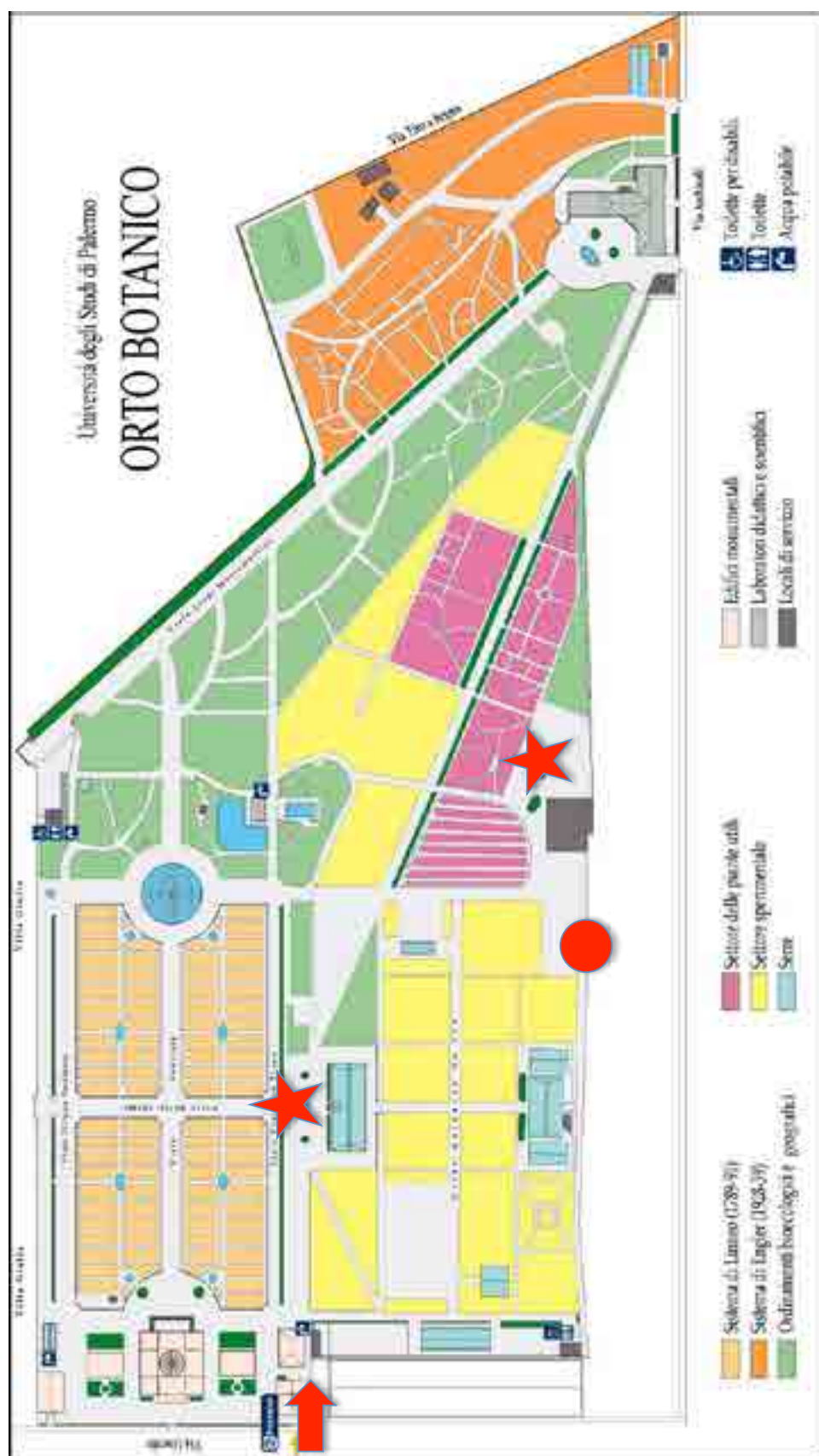


Suggested itinerary from the NH Hotel (Symposium venue) to the Birroteca Spillo (location of the IAVS music jam session & social club, on June 21st). The red point in the middle of the itinerary is the tourist info bureau.

Address of Birroteca: Cortile di San Giovanni degli Eremiti, 2 - Palermo



Suggested itinerary from the NH Hotel (Symposium venue) and the nearest copy & print service. The red arrow indicates the entrance to the botanical garden; the red point is the location of the poster session.



Map of the Botanical Garden. The red arrow indicates the entrance to the botanical garden; the red point is the location of the poster session; the red stars, the locations of the symposium dinner.



Map of the NH Hotel. Letters refer to the location of the thematic sessions specified in the program. The red arrow indicates the entrance to the symposium venue; the red point is the location of the welcome desk; the red star, the location of the exhibition stands.

