



Biodiversity
Hotspots in the
Mediterranean Area:

species, communities and landscape level

45^o International Congress of SISV & FIP

PROGRAMMA

Cagliari, 22-24 Giugno 2009

Aula Magna Facoltà di Economia, v.le S. Ignazio da Laconi 72

22 GIUGNO

08:00-10:00 Registrazione/Iscrizione congressisti

Caffè di benvenuto

10:00-11:00 Saluti delle Autorità

Cerimonia di apertura

11:00-12:00 Sessione di apertura **E. Biondi, C. Blasi, L. Mossa & S. Rivas-Martínez**

12:00-13:30 PRIMO SIMPOSIO **“FLORA AND EVOLUTION IN THE MEDITERRANEAN AREA“**

F. Médail The Mediterranean Basin, a hotspot for plant evolution

J. Migliore, A. Baumel, M. Juin & F. Médail Phylogeography of the Mediterranean shrub *Myrtus communis* and phylogenetic link with the Saharan endemic *Myrtus nivellei*

S. Lavergne, J. Arroyo, M. Debussche & J. Molina Origin and fate of the rare Mediterranean flora

J.C. Moreno Saiz Trends in Iberian plant diversity and diversification

E. Vela Biogeographical links at south of the Tyrrhenian sea: classical data and new insights from molecular biology

13:30-14:30 Pausa pranzo



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14:30-16:00 Sessione poster e side events

EVENTO COLLATERALE 1: PLANTS SPECIES AND COMMUNITIES IN THE MEDITERRANEAN MINING AREAS: BIODIVERSITY, LANDSCAPE EVOLUTION AND THEIR USE IN PHYTOREMEDIATION

A.J.M. Baker Metallophytes: a unique biological resource for mine site remediation, ecological restoration and phytomining

M. Casti Mine wastes restoration and conservation of rare metallophytes in a Site of Community Importance (SCI): "M. Linas-Marganai" (SW-Sardinia)

A. Carucci & A. Cao Phytoremediation application to the Sulcis Iglesiente heavy metals contaminated areas

H. Freitas Serpentine habitats of Portugal: lessons for remediation and conservation

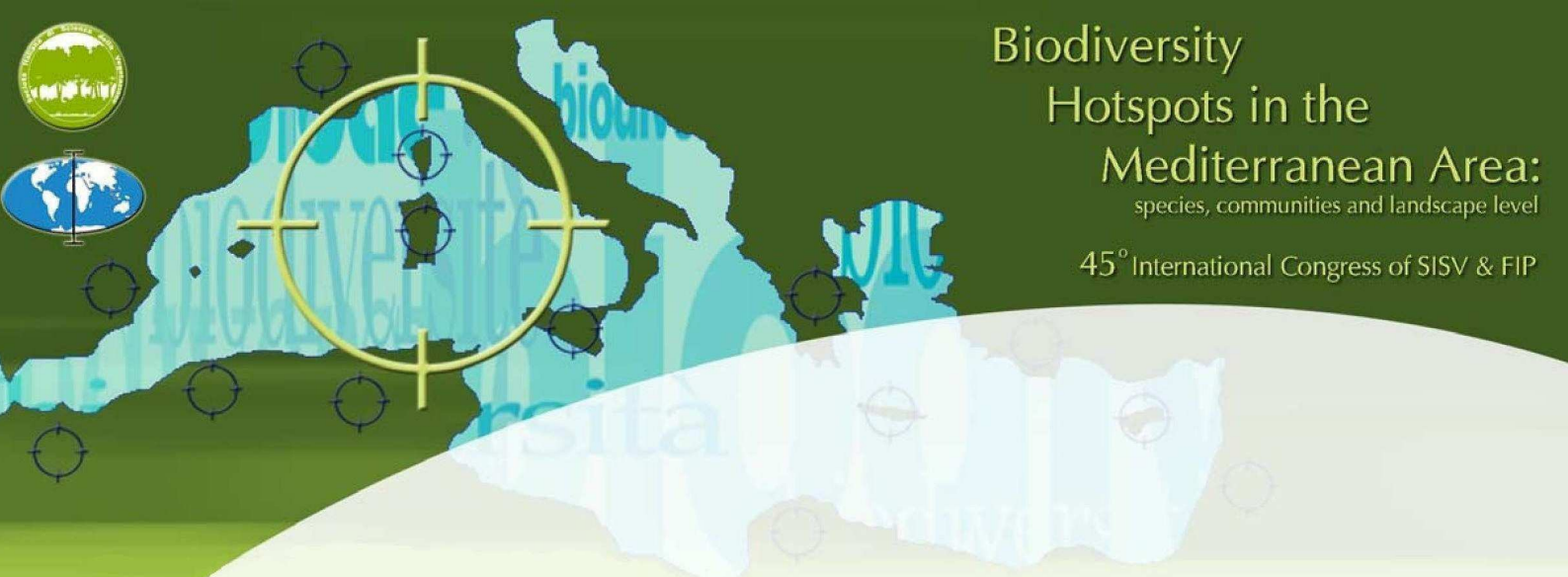
EVENTO COLLATERALE 2: IMPORTANT PLANT AREAS IN ITALY AND IN THE MEDITERRANEAN CONTEXT

E.A. Radford, N. Angelova, L. Melvoski, V. Matevski, T. Nikolić, B. Odé, D. Peev, A. Petrova & D. Petrović IPA identification and conservation in south east Europe: data rich, data poor and starting to engage civil society in plant conservation action

C. Blasi, M. Marignani, R. Copiz & M. Fipaldini The IPAs programme in Italy: from data to mapping

S. Ravera & M. Aleffi Role of cryptogams in the definition of Italian IPAs

C. Perini, P. Leonardi, L. Pecoraro & E. Salerni The Important Plant Areas program from a mycological point of view: an experience at regional level, in the European context



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16:00-17:30 PRIMO SIMPOSIO "FLORA AND EVOLUTION IN THE MEDITERRANEAN AREA"

J.A. Rossellò Plant diversity in the Balearic archipelago: when continental islands are welcome to assess evolutionary patterns and processes

H.P. Comes, U. Jaros, A. Tribsch & C. Bittkau Plant speciation in continental island floras as exemplified by *Nigella* (*Ranunculaceae*) in the Aegean archipelago

T. Nikolić & O. Antonić Plant species diversity of Adriatic islands: an introductory survey

17:30-18:00 Pausa caffè

18:00-20:00 PRIMO SIMPOSIO "FLORA AND EVOLUTION IN THE MEDITERRANEAN AREA"

S. Fineschi, F. Bagnoli, D. Magri, M.C. Simeone & G.G. Vendramin *Quercus suber*: the fascinating case of a Mediterranean tree species which preserves the genetic imprints of plate tectonic events

A. Terrab, S. Talavera, J.L. García-Castaño & T.F. Stuessy Genetic variation and phylogeography in the west Mediterranean firs (section *Piceaster*, *Pinaceae*)

L. Cecchi, R. Gabbrielli, C. Gonnelli, A. Hasko & F. Selvi Evolutionary lineages of Ni-hyperaccumulation and taxonomy in European *Alysseae* (*Brassicaceae*): insights from nrDNA sequence data

M. Pfeifer, B. Schatz, F.X. Picó, N.G. Passalacqua, M.F. Fay, P.D. Carey & F. Jeltsch How phylogeography can help understanding geographic genetic pattern of the orchid *Himantoglossum hircinum* (L.) Spreng.

F. Frignani & G. Iiriti The genus *Romulea* in Italy: taxonomy, ecology and intraspecific variation in relation to the flora of insular systems of Western Mediterranean

J. Agulló, A. Guilló, A. Juan, M.Á. Alonso & M.B. Crespo Genetic diversity and phylogeographical assessment of *Helianthemum caput-felis* Boiss. (*Cistaceae*) based on AFLP markers

J.M. Bastida, R. Jaime, J.M. Alcántara & P.J. Rey Character transitions and patterns of diversification of the genus *Aquilegia* in the Mediterranean context

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J.L. Garrido, G. Bacchetta, G. Fenu, E. Mattana & C.M. Herrera Structure of the genetic variation of Sardinian taxa of *Aquilegia*: macro and microevolutionary patterns

P. Escobar García, G. Schneeweiss, G. Bacchetta, F. Mascia & P. Schönswetter *Lavatera triloba* subsp. *pallascens*: The demise of a Tyrrhenian taxon

A. Asensi, B. Diez-Garretas, V. De la Fuente, D. Sanchez Mata & A.L. Marquez Floristical and biogeographical analysis of the Betic-Rifan arc

23 GIUGNO

09:00-10:30 SECONDO SIMPOSIO “PHYTOSOCIOLOGY AS PLANT SYNECOLOGY“

E. Biondi Phytosociologists' pride

J.F. Mota, M.E. Merlo & C. Gil de Carrasco Relationships between phytosociology and ecology in the Iberian gypsum outcrop

L. Gratani, L. Varone & M.F. Crescente Mediterranean evergreen species tolerance threshold to air temperature increasing

P. Soriano, E. Estrelles, F. Mainardi, A. Hurtado & E. Biondi Halophytic vegetation with *Halocnemum strobilaceum* (Pall.) M. Bieb. Ecological studies of two populations of this species in Spain and Italy


10:30-11:00 Pausa caffè

11:00-12:00 SECONDO SIMPOSIO “PHYTOSOCIOLOGY AS PLANT SYNECOLOGY“

G. Puppi Phenological traits of vegetation: examples of some phytocoenoses from selected vegetation-series

R. Gatti, S. Cesaretti & A. Catorci Biodiversity conservation and grazing management: geosynphytosociology as a tool of analysis and modelling of grassland systems

S. Bagella Vegetation series as a tool for the assessment of ecosystem services (ESS) of grasslands in Mediterranean Grazing Systems



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12:00-13:30 SECONDO SIMPOSIO “PHYTOSOCIOLOGY AS PLANT SYNECOLOGY”

F. Taffetani & M. Rismondo Vegetation and fauna: essential bio-indicators for the assessment of agro-ecosystems

C. Gangale & D. Uzunov Plant communities of Sila Mt. (S Italy): syntaxonomy, biogeography and conservation

R. Di Pietro Coenological and syntaxonomical features of *Sesleria* gr. *juncifolia* in Italy

F. Maneli, D. Gigante, A. Menghini, L. Menghini, R. Pagiotti & R. Venanzoni Phytosociological and ecological characterization of *Gentiana lutea* L. in central Apennine, on the basis of Ellenberg indicator values

A. Catorci, S. Cesaretti, G. Ottaviani & S. Ballelli Floristic variations analysis due to different disturbance intensities in a grassland of Umbria-Marches Apennine (Central Italy)

F.M. Raimondo & R. Schicchi Hydrophytic vegetation aspects in the Nebrodi mountains (Sicily)

13:30-14:30 Pausa pranzo

14:30-16:00 Sessione poster e side events


EVENTO COLLATERALE 3: ORIGINS OF PLANTS ENDEMIC TO THE CORSO-SARDINIAN MICROPLATE: AN INTEGRATIVE PHYLOGENETIC APPROACH

E. Conti Dating the origin of plant endemics to the Corso-Sardinian Plate: a window on the biogeography of the Western Mediterranean Basin

A. Bertini The history of flora, vegetation and climate in the Mediterranean area during the Messinian salinity crisis according to pollen records

D. Jeanmonod & A. Schlüssel Flora Corsica: an analysis of the data

G. Salvo & E. Conti Molecular dating and biogeography of *Ruta* L. (*Rutaceae*): a case study from the Mediterranean basin



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EVENTO COLLATERALE 4: CONSERVATION STUDIES ON THREATENED PLANTS IN THE MEDITERRANEAN AREA

G. Fenu Plant conservation strategies in the Mediterranean hotspot

T. Ulian, E. Mattana, M.I. Daws, G. Bacchetta & H.W. Pritchard Reproductive biology, seed ecophysiology and conservation of Mediterranean plants in a changing climate

D. Draper Munt, J.B. Martínez-Laborde, F. Pérez-García & M.E. González-Benito Ex situ conservation at the Plant Germplasm Bank-UPM (Technical University of Madrid) related with the Global Strategy for Plant Conservation

D. Gargano Population biology and conservation of Mediterranean endemics: studies on the rare *Dianthus guliae* Janka

16:00-17:40 SECONDO SIMPOSIO “PHYTOSOCIOLOGY AS PLANT SYNECOLOGY”

R. Costa, P. Pavone & G. Spampinato Contribution to the knowledge of woody vegetation of the Hyblean territory (S Sicily)

L. Cancellieri, M. Cutini & G. Caneva Vegetation series of the Southern district of the Lattari Mountains (Southern Apennine, Campania)

L. Kadik-Achoubi Syntaxonomical study of the formations with pine of Alep (*Pinus halepensis* Mill.) in Algerian semi-arid bioclimatic stage


S. Brullo, G. Giusso del Galdo, P. Minissale, G. Spampinato & S. Sciandrello Syntaxonomic analysis of the halo-nitrophilous vegetation (*Pegano-Salsoletea*) in Italy

M. Puglisi & M. Privitera Bryosociological synopsis for Italy

M. Pilar Donat & J. Martínez Evaluation of vegetation of a Mediterranean littoral area in Alicante (Spain)

F. Valle, E.M. Estévez, J. Quesada & C. Salazar Botanical recovery models for river restoration in the Guadalquivir Basin

17:40-18:00 Pausa caffè



Biodiversity Hotspots in the Mediterranean Area:

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18:00-19:30 Assemblea sociale SISV

19:30-20:30 Comitato Direttivo FIP (Orto Botanico, Aula Cosmese)

21:00 Cena sociale

24 GIUGNO

9:00-10:30 TERZO SIMPOSIO “**TOWARDS AN ECOLOGICAL CHARACTERIZATION OF MEDITERRANEAN LANDSCAPES**”

C. Blasi, G. Capotorti, R. Frondoni, D. Smiraglia & L. Zavattero The contribution of vegetation science to current environmental issues at the landscape level in the Mediterranean Region

Y. Carmel, L. Stoller-Kavari & R. Kent Comparing environmental and biological surrogates for biodiversity at a local scale

K. Tuluhan Yilmaz Vegetation analysis as a tool for ecological characterization of landscapes

10:30-11:00 Pausa caffè

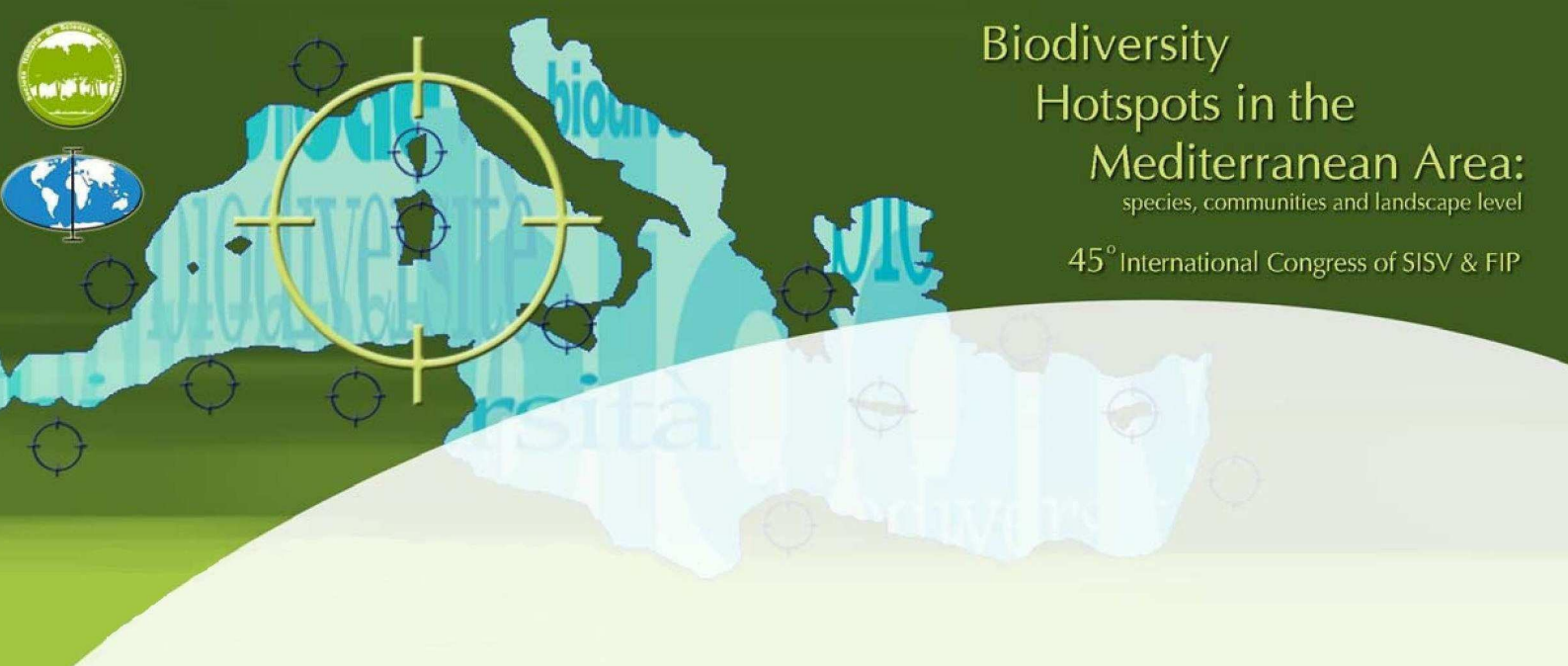
11:00-13:00 TERZO SIMPOSIO “**TOWARDS AN ECOLOGICAL CHARACTERIZATION OF MEDITERRANEAN LANDSCAPES**”

F.D. Pineda Landscape from a socio-ecological system perspective

M. Costa Biodiversity and landscape in the eastern area of the Iberian peninsula

E. Biondi, S. Casavecchia & S. Pesaresi Phytosociological synrelevée and plant landscape mapping from the theory to the practical application

E. Farris & R. Filigheddu Patterns of plant population spatial variability in relation to vegetation dynamics: vegetation series matter



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13:00-13:30 TERZO SIMPOSIO "TOWARDS AN ECOLOGICAL CHARACTERIZATION OF MEDITERRANEAN LANDSCAPES"

D. Galicia-Herbada, J. Hervás, R. Martínez, J. Seoane & R. Hidalgo An environmental classification of Spain

F. Melado Preliminary ecological basis for the conservation of habitats of community interest in Spain

G. Bazan, G. Baiamonte & P. Marino Land forms, land-use and landscapes in Sicily

13:30-14:30 Pausa pranzo

14:30-15:30 Sessione poster

15:30-17:00 TERZO SIMPOSIO "TOWARDS AN ECOLOGICAL CHARACTERIZATION OF MEDITERRANEAN LANDSCAPES"

N. Oliveira, S. Antunes, F. Gouveia & M. do Carmo Tavares Using biodiversity action plans to manage high conservation value areas in Portuguese Natura 2000 Network

G. Filibeck & A. Scoppola Two Mediterranean landscape types and their high-biodiversity interface as candidates for a "landscape red list"

T. Monteiro-Henriques, A. Bellu, J.C. Costa, J.O. Cerdeira & P. Arsénio Can natural and cultural Mediterranean landscapes be in conflict?

G. Capotorti, R. Frondoni, B. Mollo & C. Blasi Urbanisation and biodiversity: integrated vegetation analysis for identifying and evaluating ecosystem services in a Mediterranean metropolis

17:00-17:30 Pausa caffè

17:30-19:00 Presentazione escursioni e visita Orto Botanico

17:30-20:30 Riunione GENMEDA

IGIS: *Iter Geobotanicum Insulae Sardiniae*

Sardegna, 25-29 giugno 2009

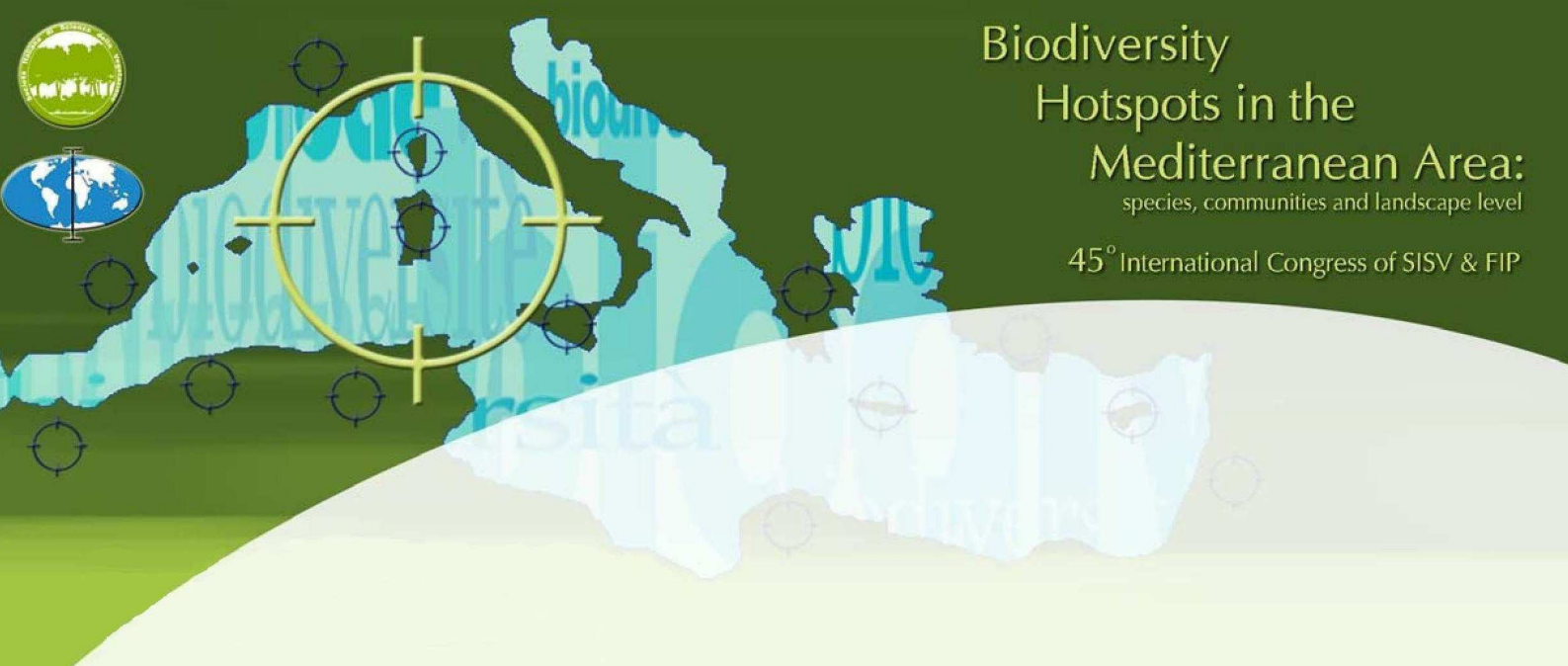
Sulcis, Iglesiente, Supramonte, Gennargentu, Sarcidano

25 GIUGNO

- 08:00** Partenza per l'escursione (ritrovo presso Dipartimento di Scienze Botaniche, v.le S. Ignazio da Laconi, 13)
- 08:30** Arrivo in località S.ta Lucia e ingresso Riserva Naturale WWF di Monte Arcosu
- 09:30** Arrivo in località Perdu Melis e inizio escursione con itinerario differenziato (a. Sentiero natura, durata h. 2, difficoltà medio-bassa; b. Mulattiera Pepi Meloni, durata h. 4, difficoltà media)
- 13:30-15:30** Pausa pranzo in località Su Seminau
- 16:30-18:30** Visita alle saline e agli Stagni di Santa Gilla
- 19:00** Arrivo a Cagliari

26 GIUGNO

- 08:00** Partenza per l'escursione (ritrovo presso Dipartimento di Scienze Botaniche, v.le S. Ignazio da Laconi, 13)
- 09:00-10:00** Visita all'area mineraria di Monteponi-Cungiaus (Iglesias)
- 10:00-10:30** Visita al deposito fanghi rossi
- 10:30-11:15** Visita alle Laverie La Marmora
- Pausa caffè



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11:45-13:30 Visita alla Galleria Henry e al villaggio minerario di Pranu Sartu

13:30-15:00 Pausa pranzo

15:00-17:00 Visita al campo dunale di Portixeddu

18:30 Arrivo a Cagliari (con possibilità di essere portati direttamente all'aeroporto)

27 GIUGNO

07:00 Partenza per l'escursione (ritrovo presso Dipartimento di Scienze Botaniche, v.le S. Ignazio da Laconi, 13)

10:30-11:30 Arrivo in località Monte Maccione

Colazione

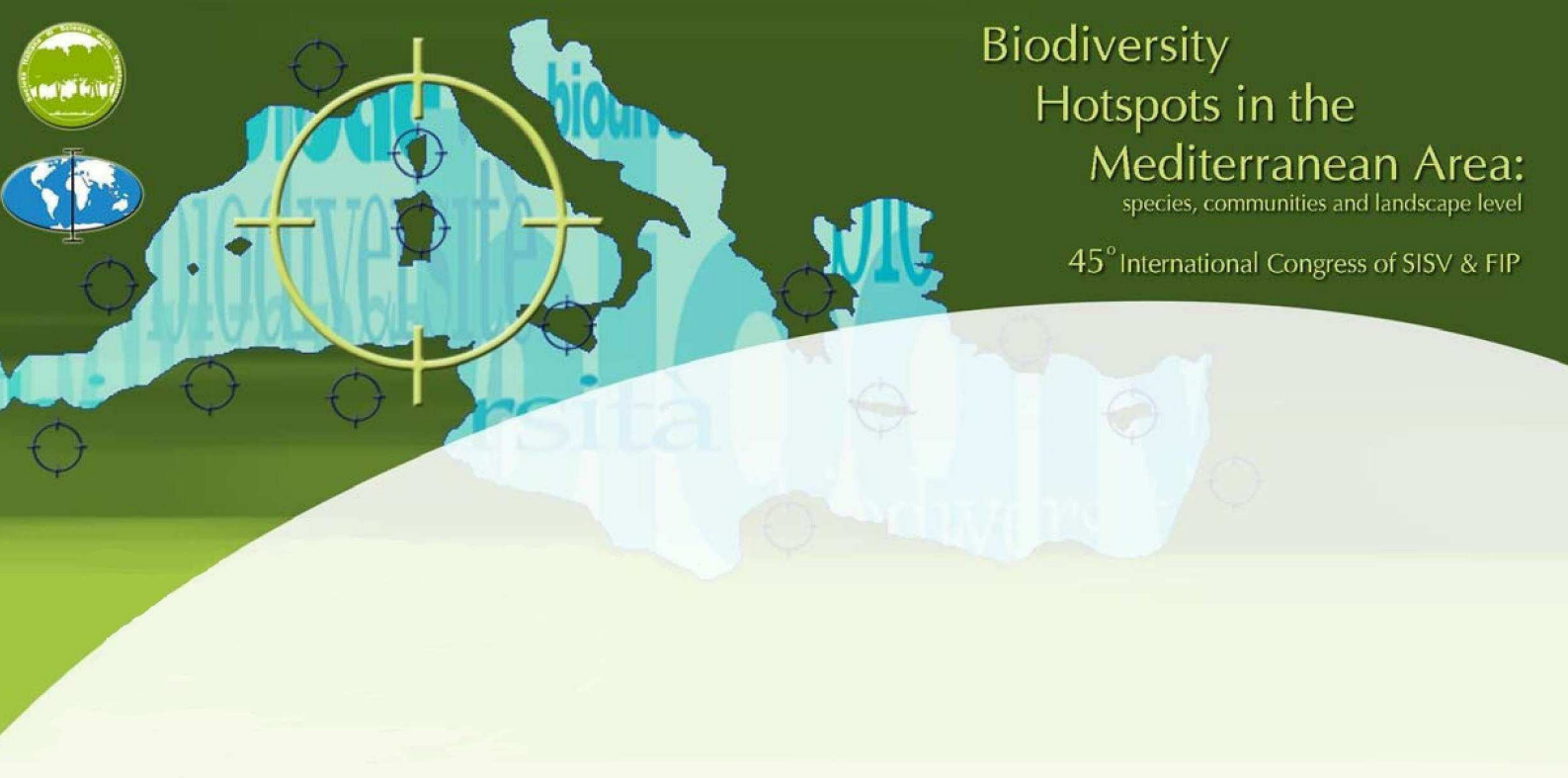
11:30 Partenza per il Supramonte di Oliena

12:00 Arrivo in località Tuones e inizio dell'escursione con itinerario differenziato (a. Pradu, durata h. 3, difficoltà medio-bassa; b. Monte Corراسi, durata h. 5, difficoltà medio-alta)

15:00-20:00 Merenda in località Tuones

Canto a Tenores e recitazione di poesie in Limba

21:00 Arrivo a Fonni



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28 GIUGNO

- 09:00** Partenza per l'escursione (ritrovo presso l'Agriturismo Donnortei, Fonni)
- 09:30** Arrivo in località Bruncu Spina e inizio dell'escursione sulle cime del Gennargentu
- 13:30-15:30** Pranzo in località Sas Iscalas
- 15:30-16:30** Trasferimento a Terr'e Molentes
- 16:30-19:30** Proseguo dell'escursione nella vallata del Rio Correboi
- 20:00** Arrivo a Donnortei
- 21:00** Cena
- Spettacolo folkloristico

29 GIUGNO

- 08:00** Partenza per l'escursione (ritrovo presso l'Agriturismo Donnortei, Fonni)
- 09:00-10:00** Visita al Texile di Aritzo
- 11:00-13:00** Arrivo in località Cuccuru e inizio dell'escursione
- 13:00-15:00** Pranzo in località Funtana Mela
- 16:30** Arrivo a Cagliari (con possibilità di essere portati direttamente all'aeroporto)