

Challenging conservation adattarsi al cambiamento

Prima Conferenza di Biologia della Conservazione per ECR

Martedì 18 Aprile 2023

Presso **Aula Pasquini**, Edificio di Zoologia
Dip. Biologia e Biotecnologie, Università Sapienza
Viale dell'Università 32, 00185, Roma

- 12:00 – 13:00** **Registrazioni**
- 13:00 – 17:00** **Workshop:** *“Hints and tips for publishing in conservation, ecology and environmental journals”*
Moreno Di Marco e Luca Santini (Dip. di Biologia e Biotecnologie, Università Sapienza di Roma)

Mercoledì 19 Aprile 2023

Presso **Sala dei Lecci**, Bioparco di Roma
ingresso pedonale Villa Borghese,
incrocio tra Via Aldrovandi, Viale Rossini, Via Mercadante

- 08:00 – 09:20** **Registrazioni**
- 09:20 – 09:40** **Saluti di Benvenuto**
Paola Palanza (Presidente Bioparco) e Michela Pacifici (Presidente SCB Italy)
Moderatrice: Lisa Tedeschi
- 09:40 – 10:20** **Plenaria:** *“Communication is conservation”*
Laura Scillitani (Progetto LIFE WolfAlps EU MUSE – Aree Protette Alpi Marittime)
Moderatrice: Lisa Tedeschi
- 10:20 – 11:25** **Talks finalisti Early Career Researchers Award**
Moderatori: Andrea Cristiano, Laura Limonciello



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- 10:20 – 10:32** **EB97 Luciano Bosso**
*From citizen science to spatial modelling: conservation implications for *Hippocampus hippocampus* and *Hippocampus guttulatus* along the Italian coasts*
- 10:33 – 10:45** **EB19 Lorenzo Balducci**
Assessing the joint potential of European forests for climate change mitigation and biodiversity conservation
- 10:46 – 10:58** **EB52 Pietro Tirozzi**
New evidence on the linkage between long-term niche changes and population trends in birds
- 10:59 – 11:11** **EB60 Marta Gaia Sperandii**
Introducing VegTrends: an EU-funded project to assess long-term trends in European vegetation and evaluating the effectiveness of protected areas
- 11:12 – 11:24** **EB99 Valerio Cossentino**
Assessing the ecological impacts of native mammal invaders using the Environmental Impact Classification for Alien Taxa (EICAT)
- 11:25 – 11:50** **Coffee break**
- 11:50 – 12:40** **Talks finalists Early Career Researchers Award**
Moderatori: Andrea Cristiano, Laura Limonciello
- 11:50 – 12:02** **EB42 Ester Bergamini**
The impact of high-speed infrastructures on bird diversity in the regional Natural Reserve Fontanili di Corte Valle Re in Italy
- 12:03 – 12:15** **EB90 Alessandro Forti**
Multiple consequences of increased wild ungulate population inside a Protected Area



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- 12:16 – 12:28** EB110 **Francesca Roseo**
Are we ready for the wolf comeback? Patterns of wolf predation on livestock in Trentino, Italy
- 12:29 – 12:41** EB28 **Giacomo Rosa**
*Past, present and future of *Bombina pachypus* in Liguria and Italy*
- 12:40 – 14:00** **Pausa pranzo e visita guidata al Museo Civico di Zoologia** (in due gruppi)
- 14:00 – 15:05** **Talks: “Conservazione in Parchi e Aree Protette” 1/3**
Moderatori: Sarah Droghei, Dino Biancolini
- 14:00 – 14:12** EB54 **Sarah Droghei**
Accounting for multiscale habitat selection improves model predictions for conservation: wolves in human-modified landscapes
- 14:13 – 14:25** EB108 **Dino Biancolini**
Projected impacts of climate and land-use change on the herpetofauna of Cilento (Campania, Italy)
- 14:26 – 14:38** EB92 **Lucia Doni**
The flora diversity on taxonomic, functional and phylogenetic levels in semi-natural grassland habitats: A case study of grazed and abandoned alpine pasture in the Southern-Western European Alps
- 14:39 – 14:51** EB41 **Elena Forlani**
Orthoptera distribution along an altitudinal gradient in the NW Alps: an insight on abundance and detectability
- 14:52 – 15:04** EB118 **Benedetta Gambioli**
*New threats for the largest extant population of the critically endangered Aeolian wall lizard (*Podarcis raffonei*) and how to tackle them*



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- 15:05 – 16:00** **Speed talks**
Moderatori: Chiara Paniccia, Giordano Mancini
- 15:05 – 15:11** **EB78 Emanuele Berrilli**
Studying the past to understand the future: effect of Quaternary climatic oscillations on phylogeography and historical demography of Italian endemic Alticini species
- 15:12 – 15:18** **EB02 Gianluca Damiani**
*The reconquest of Rome: the effects of the saturation of urban environments by the peregrine falcon (*Falco peregrinus*)*
- 15:19 – 15:25** **EB114 Guillaume Marchessaux**
*The invasive blue crab *Callinectes sapidus* thermal response: predicting metabolic suitability maps under future warming Mediterranean scenarios*
- 15:26 – 15:32** **EB36 Silvia Ongaro**
Lichen rarity in Alpine changing environment: still a core problem
- 15:33 – 15:39** **EB73 Andrea Sacchi**
Hotspots of risk for mammal species and Nature's Contributions to People under global warming
- 15:40 – 15:46** **EB32 Paolo Salvador**
Interaction between coastal gillnet fisheries and wintering seabirds in a proposed Natura 2000 Site
- 15:47 – 15:53** **EB113b Chiara Paniccia**
Preserving landscape diversity is crucial for bat diversity in mountain areas
- 15:54 – 16:00** **EB81 Tommaso Sandri**
In situ conservation and the role of zoos in adapting species focused conservation to the challenges of biodiversity loss: two examples from Italy and UK



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- 16:01 – 16:07** **EB11 Alice Dalla Vecchia**
Can functional approaches open new conservation opportunities for aquatic carnivorous plants in Europe?
- 16:08 – 16:14** **EB29 Francesco Parisi**
Diversity of beetle species and trophic group along gradients of deadwood suggests weak environmental filtering
- 16:15 – 16:30** **Coffee break**
- 16:30 – 18:00** **Talks: “Conservazione e scenari di cambiamento globale” 1/3**
Moderatori: Matteo Anderle, Tommaso Sandri
- 16:30 – 16:42** **EB51 Diana Cruz**
Unraveling climate risks for plant regeneration by seed in the Mediterranean
- 16:43 – 16:55** **EB38 Mattia Falaschi**
A comparison between population trends estimation from abundance and occupancy data
- 16:56 – 17:08** **EB98 Francesca Frieri**
International trade, land use change, and biodiversity loss: a quantitative analysis in three climate zones
- 17:09 – 17:21** **EB77 Elia Guariento**
Butterfly communities in South Tyrol erode from extensive grasslands to intensively used farmland and urban areas
- 17:22 – 17:34** **EB14 Greta La Bella**
Biodiversity effect on coastal dunes ecosystem functioning
- 17:35 – 17:47** **EB40 Martina Livornese**
Disentangling biodiversity and biomass relations in real ecosystems at global scale
- 17:48 – 18:00** **EB59 Elia Lo Parrino**
Why occurrences are not enough: differential effects of ecological variables on amphibian occupancy and reproduction

Giovedì 20 Aprile 2023

Presso **Sala dei Lecci**, Bioparco di Roma
ingresso pedonale Villa Borghese,
incrocio tra *Via Aldrovandi, Viale Rossini, Via Mercadante*

- 09:00 - 09:40** **Plenaria:** *“La biologia della conservazione tra scienza e pratica”*
Stefano Canessa (Università di Berna)
Moderatore: Dario Nania
- 09:40 – 10:45** **Talks:** *“Conservazione in Parchi e Aree Protette” 2/3*
Moderatori: Matilde Martini, Guillaume Marchessaux
- 9:40 – 9:52** **EB04 Ilaria Greco**
The pantropical decline of mammals is associated with human density and forest fragmentation in the surrounding landscape
- 9:53 – 10:05** **EB21 Marco Morbidelli**
Il gambero nativo di fiume Austropotamobius pallipes complex nel Parco Nazionale delle Foreste Casentinesi: stato di conservazione e minacce
- 10:06 – 10:18** **EB33 Gloria Moretti**
Assessing the representativity and distribution of strictly protected areas on bioregions, ecoregions, habitats, and endangered species in Italy
- 10:19 – 10:31** **EB49 Valentina Olmo**
Do Natura 2000 protected areas support ecosystem services and biodiversity? An example from Friuli-Venezia Giulia Region (NE-Italy)
- 10:32 – 10:44** **EB39 Emilia Pafumi**
In&Out: comparing plant biodiversity patterns inside and outside protected areas in coastal dune ecosystems of Tuscany



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- 10:45 – 11:10** **Coffee break**
- 11:10 – 12:40** **Talks: “Conservazione e scenari di cambiamento globale” 2/3**
Moderatori: Mattia Falaschi, Alice Dalla Vecchia
- 11:10 – 11:22** **EB24 Chiara Dragonetti**
Drivers of change in mountain areas of the world: a comparison between different mountain ranges
- 11:23 – 11:35** **EB119 Laura Limonciello**
Alpine ungulates through camera trapping: defining the environmental and anthropogenic contexts for competition or spatiotemporal segregation between sympatric herbivores
- 11:36 – 11:48** **EB91 Elisa Marchetto**
Testing the effect of sample prevalence on probability- and favourability-based SDMs
- 11:49 – 12:01** **EB03 Giordano Mancini**
Assessing species’ exposure to climate change to support extinction risk assessments for the IUCN Red List
- 12:02 – 12:14** **EB58 Valeria Messina**
*Modelling environmental suitability and expansion rate of the invasive crayfish *Procambarus clarkii* in the Lombardy region (Northern Italy) across the past 25 years*
- 12:15 – 12:27** **EB31 Davide Mirante**
Wildlife Burnout: Global patterns of stress levels in response to anthropogenic disturbance in reptiles, birds and mammals
- 12:28 – 12:40** **EB09 Veronica Nanni**
The role of the mass and social media on biodiversity conservation



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- 12:40 – 14:00** **Pausa pranzo e visita del Bioparco**
- 14:00 – 14:30** **Special Talk: “Rewilding in Appennino centrale”**
Mario Cipollone (Rewilding Apennines)
Moderatore: Marco Davoli
- 14:30 – 15:35** **Talks: “Approcci alla conservazione e ripristino ambientale” 1/2**
Moderatori: Marco Davoli, Simone Giovacchini
- 14:30 – 14:42** **EB05 Daniele Battilani**
Follow the (genetic) flow: Italian wolf genetic variability & anthropogenic hybridization in Central Italy
- 14:43 – 14:55** **EB50 Lucia Bello**
Alien fish eradication in nine mountain Alpine lakes: scientific background and early results from the Project LIFE RESQUE ALPYR
- 14:56 – 15:08** **EB68 Ludovico Chieffallo**
A novel approach for surveying flowers as a proxy for bee pollinators using drone images
- 15:08 – 15:20** **EB74 Alessandra D'Alessio**
Favourable reference values of European terrestrial mammals
- 15:21 – 15:33** **EB01 Marco Davoli**
Il ritorno della megafauna può restaurare la biodiversità del passato in Europa, ma dobbiamo considerare i problemi di coesistenza con l'uomo

15:35 – 17:30

Coffee break

15:35 – 17:30

Poster session

presso **Sala degli Elefanti**, Bioparco di Roma

18:00 – 21:00

Aperitivo

presso **La Limonaia** (Villa Torlonia)

Via Lazzaro Spallanzani 1/A, 00161, Roma

Venerdì 21 Aprile 2023

Presso **Sala dei Lecci**, Bioparco di Roma

ingresso pedonale Villa Borghese,

incrocio tra *Via Aldrovandi, Viale Rossini, Via Mercadante*

09:00 – 09:40

Plenaria: *“L’importanza delle società professionali e delle piattaforme intergovernative nella conservazione ed il loro valore per giovani ricercatori”*

Piero Visconti (Biodiversity, Ecology and Conservation Group - International Institute for Applied Systems Analysis)

Moderatrice: Michela Pacifici

09:40 – 10:45

Talks: *“Conservazione in Parchi e Aree Protette” 3/3*

Moderatori: Chiara Dragonetti, Luca Di Nuzzo

9:40 – 9:52

EB111 Arianna Ferrara

Temperate forest functional composition along elevation gradient: disentangling intra- and interspecific trait variability

9:53 – 10:05

EB96 Claudia Pellegrini

Linking brown bear activities to habitat characteristics: implications for the conservation of the Apennine brown bear (Ursus arctos marsicanus).

10:06 – 10:18

EB17 Lorenzo Ricci

Assessment of priority species inside and outside the protected areas within the European Union



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- 10:19 – 10:31** **EB08 Marco Salvatori**
Crowded mountains: long-term effects of human outdoor recreation on a community of wild mammals monitored with systematic camera-trapping
- 10:32 – 10:44** **EB64 Claire Louise Penton Vincent**
Assessing the impact of terrestrial protected areas in abating threats to mammals
- 10:45 – 11:10** **Coffee break**
- 11:10 – 12:40** **Talks: “Conservazione nei sistemi acquatici”**
Moderatori: Andrea Tonelli, Marta Cimatti
- 11:10 – 11:22** **EB12 Margherita Abbà**
Biological traits of a new alien spined loach (Actinopterygii: Cobitidae) in the Malone stream drainage (Piedmont, NW Italy)
- 11:23 – 11:35** **EB93 Alessandra Maria Bissattini**
Trophic structure of a pond community dominated by an invasive alien species: Insights from stomach content and stable isotope analyses
- 11:36 – 11:48** **EB89 Clarissa De Vita**
*Behavioural and biochemical stress responses of *Cherax quadricarinatus* after exposure to acoustic signal in tank*
- 11:49 – 12:01** **EB95 Francesco Enrichetti**
Detailed seafloor cartography leads to the identification of benthic vulnerable marine ecosystems
- 12:02 – 12:14** **EB10 Davide Fundarò**
Predicting the impact of fishing on cetacean abundance in the European seas



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- 12:15 – 12:27** **EB107 Priscilla Nesi**
*Analysis of the distribution, conservation status, and phenotypic variation of populations of *Bombina pachypus* (Bonaparte, 1838) in the Latium Region.*
- 12:28 – 12:40** **EB23 Sofia Raschetti**
Evaluation of aesthetic and ecological value following the recolonization dynamics of coralligenous reefs
- 12:40 – 14:00** **Pausa pranzo e visita del Bioparco**
- 14:00 – 15:35** **Talks e speed talk: “Conservazione e scenari di cambiamento globale” 3/3**
Moderatori: Michele Lussu, Alessandra Maria Bissattini
- 14:00 – 14:12** **EB83 Matteo Anderle**
The influence of landscape and habitat heterogeneity in shaping mountain bird communities in the Alps
- 14:13 – 14:25** **EB45 Alessandro Berlusconi**
Applied research for conservation of two falcon species in the intensive agricultural area of the Po Plain
- 14:26 – 14:38** **EB34 Dario Nania**
Insects as indicators of Key Biodiversity Areas
- 14:39 – 14:51** **EB57 Francesco Santi**
Climate change effects on plant biodiversity of small Mediterranean islands
- 14:52 – 15:04** **EB82 Davide Serva**
Modelling the Eurasian beaver range expansion in Europe: uneven future trends and possible conservation issues
- 15:05 – 15:17** **EB120 Noemi Veronica Squillaci**
Between wolves and humans: spatiotemporal activity patterns of Alpine ungulates under varying predatory and human pressures



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- 15:18 – 15:30** **EB117 Mario Francesco Tantillo**
The utility of functional traits in assisting marine conservation: Mediterranean outbreak-forming species response to increasing temperature
- 15:31 – 15:43** **EB06 Michele Lussu**
Diversity, distribution and conservation status of wilperspective
- 15:45 – 16:00** **Coffee break**
- 16:00 – 17:05** **Talks: “Approcci alla conservazione e ripristino ambientale” 2/2**
Moderatori: Ludovico Chieffallo, Erika Fabbrizzi
- 16:00 – 16:12** **EB13 Michele Dalle Fratte**
Impiego della diversità oscura a supporto delle strategie di recupero della vegetazione forestale distrutta da eventi meteorologici estremi
- 16:13 – 16:25** **EB27 Erika Fabbrizzi**
The challenge of setting restoration targets for macroalgal forests under climate changes
- 16:26 – 16:38** **EB55 Federica Fonda**
Planning conservation strategies based on a multi-scalar and multispecies approach to assess habitat connectivity and roadkill risk area
- 16:39 – 16:51** **EB70 Costanza Majone**
Descrivere e valutare la biodiversità: un approccio epistemologico pluralista
- 16:52 – 17:04** **EB48 Francesco Petruzzellis**
Predicting the functional composition of coastal dunes using UAV-based remotely sensed data
- 17:05 – 17:15** **Chiusura**



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Sabato 22 Aprile 2023

Presso **Orto Botanico di Roma**

Largo Cristina di Svezia 23A-24 00165, Roma

- 10:15 – 10:30** **Apertura e ingresso**
- 10:30 – 10:45** **Saluti di Benvenuto**
Fabio Attorre (Direttore Orto Botanico) e Michela Pacifici (Presidente SCB Italy)
- 10:45 – 11:00** **Premiazioni miglior poster e presentazione**
- 11:00 – 11:30** **Coffee break**
- 11:30 – 12:30** **Tavola rotonda: “Biodiversità bene comune, come difenderla e conservarla”**
Carlo Rondinini (SCB Italy), Daniela Silvia Pace (Università Sapienza di Roma), Roberto Cazzolla Gatti (SCB Italy), Pierfilippo Cerretti (SCB Italy) e Sabina Burrascano (Università Sapienza di Roma)
Moderatrice: Sonia Filippazzi (Radio Rai)
- 13:00 – 14:00** **Visita guidata Orto Botanico (in diversi gruppi)**