

**4th Conference of the Society of Island Biology**  
**(2-7 July 2023, Lipari, Italy)**  
**“Ecological and Evolutionary Processes on Real and Habitat Islands”**

**PROGRAMME**

Sunday 2<sup>nd</sup> July

**HOTEL AKTEA**

16:00-20:00 Registration of attendees

Monday 3<sup>rd</sup> July

**HOTEL AKTEA**

**9:00-9:30 OPENING & WELCOME**

Pietro Lo Cascio, *Chair of the Organizing Committee*

Simone Fattorini, *Chair of the Scientific Committee*

Riccardo Gullo, *Mayor of Lipari Municipality*

Christian Del Bono, *President of Federalberghi*

9:30-9:45 Salvatore Pasta - Tentamen Florae Aeolicae: updated checklist and biogeographical analysis of the vascular flora of the Aeolian Archipelago (Sicily, Italy)

**9:45-10:45 PLENARY LECTURE**

Carl Beierkuhnlein - Speciation happens in company, not in isolation!

10:45-11:15 *COFFEE BREAK*

**11:15-13:15 PARALLEL SESSIONS**

<b>HOTEL GATTOPARDO</b>	<b>PALACONGRESSI</b>	<b>HOTEL AKTEA</b>
<b>Island Ecology</b> chair: Alessandro Chiarucci	<b>Evolution on Islands and Their Biotas</b> chair: Carl Vangestel	<b>Island Biogeography and Macroecology</b> chair: Manuel Steinbauer
Aiying Zhang - Multi-scale and multi-dimensional plant diversity in Thousand Island Lake	Adrià Bellvert - Tempo and mode of diversification in red devil spiders (Araneae: Dysderidae) from the Canary Islands	Amandine Vidal-Hosteng - How do the geo-environmental dynamics of an archipelago shape phylogenies?
Enrong Yan - Island area and remoteness share plant and soil fauna diversity through land use change in Zhoushan Archipelago	Ivanklin Soares Campos Filho - Integrative taxonomy provides new evidence of cryptic diversity: Diversification of <i>Leptotrichus</i> Budde-Lund, 1885 (Oniscidea, Porcellionidae) on Cyprus	Ornela Dehayem Nanwou - Optimal sample strategy for community-level phylogenetic analyses in island biogeography
Yuhao Zhao - Land-use change interacts with island biogeography to alter bird community assembly	Leonardo Platania - Investigating the relationship between macroevolutionary processes and microendemic ranges in new Caledonian leaf-beetles	Michele Lussu - Biogeography of orchids and their pollination syndromes in small Mediterranean islands
Andrea Bours - Exploring the genomics of island residency in a migratory bird	Carl Vangestel - Progressive spread of an ancient inversion polymorphism blends the role of within-island evolution and inter-island colonization along a parallel Galápagos beetle radiation	Xingfeng Si - Adaptive radiation and dispersal filtering jointly shape mammal assemblages on oceanic islands
Yuxiao Han - Infection for different reasons: ecological correlates of avian haemosporidians differ at host individual- and species-level on land-bridge islands	Loukia Spilani - Colonization, diversification and speciation of the genus <i>Hipparchia</i> (Lepidoptera, Nymphalidae) in the Canary Islands	Baptiste Brée - Macroecological patterns of oceanic island evolutionary radiations
	Domenico Fulgione - Plasticity in lizards from small islands	Anastasia Lampou - Biogeographical regions of freshwater macroinvertebrates in the Aegean Archipelago (Greece)

**HOTEL AKTEA**

13:15-14:30 *LUNCH*

(3<sup>rd</sup> July programme continued on the next page)

14:30-17:10 PARALLEL SESSIONS

HOTEL GATTOPARDO	PALACONGRESSI	HOTEL AKTEA
Island Ecology chair: Michela Marignani	Evolution on Islands and Their Biotas chair: José María Fernández-Palacios	Island Biogeography and Macroecology chair: Severin Irl
Elena Jimenez Soto - Cute invaders: uncovering the trophic relationships and abundance of free-roaming cats on Madeira Island, Macaronesia	José María Fernández-Palacios - The extension of the taxon cycle model to island plants: insights from the Canarian flora	Carlos García-Verdugo - Trait variation in islands at shallow evolutionary levels: phylogeography meets functional biogeography
Marta Quitián - Effects of plant and animal introduction of species on the pollination interaction networks of The Ogasawara Islands, Japan	Robert Whittaker - Evolutionary syndromes in island animals: a progress report	Ferran Sayol - Unravelling extinction selectivity using a global dataset on species traits of anthropogenically extinct birds
Simon Ducatez - Impacts of invasive rats on the survival, abundance, morphology, and behavior of ghost crabs on a South Pacific atoll	Luis Valente - Phylogeny, geology and ecology: reconstructing the assembly of island biological communities in a complex world	Jan Kalusche - The functional diversity of birds on the East Frisian Islands across space and time in the context of climate change
Anke Jentsch - Oceanic islands contributing to the Mountain Invasion Research Network (MIREN) - Distribution of endemic, native and alien species along an elevation gradient in La Palma, Canary Islands	Umilaela Arifin - In solving the paraphyletic problems of Asian ranid frogs genus <i>Huia</i> (Amphibia: Ranidae)	Chuanwu Chen - Do functional and phylogenetic nestedness follow the same mechanisms as taxonomic nestedness?
Oriol Lapiedra - Rapid phenotypic shifts and community alterations caused by predator invasions on islands in the Anthropocene	Maëva Gabrielli - Living on a rock: genomics of the critically endangered Aeolian wall lizard	Severin D. H. Irl - Functional island biogeography of the flora of the Canary Islands
	Bárbara Freitas - The role of song in restricting gene flow among locally adapted populations of the Common Chaffinch on the island of La Palma	Martha Paola Barajas Barbosa - Assembly of functional diversity in an oceanic island flora
	Borja Milá - Diversification of the Common Chaffinch upon colonization of Macaronesia	Julian Schrader - Towards an Equilibrium Theory of Island Biogeography for traits
	José Cerca - Biogeography, ephemeral population dynamics and repeated-phenotypic evolution in the Cape Verdean Darwin's sparrow ( <i>Passer iagoensis</i> )	Patrick Weigelt - Using the Global Inventory of Floras and Traits (GIFT) for island research

## Tuesday 4<sup>th</sup> July

### HOTEL AKTEA

9:00-10:00 **PLENARY LECTURE**

Sandra Nogué - Trajectories of Biodiversity change on islands

10:00-10:30 *COFFEE BREAK*

10:30-12:45 **PARALLEL SESSIONS**

<b>HOTEL GATTOPARDO</b>	<b>PALACONGRESSI</b>	<b>HOTEL AKTEA</b>
<b>Island Ecology</b> chair: Anna Traveset	<b>Evolution on Islands and Their Biotas</b> chair: Christine Parent	<b>Island Biogeography and Macroecology</b> chair: R. Graham Reynolds
Anna Traveset - Islands as ideal systems to assess the multifunctionality of species within ecological communities	Leiko Mizusawa - Breeding system of flowering plants in Izu-islands	Sebastian Steibl - Biodiversity structure and patterns on atoll islands
Peng Ren - Forest edges increase pollinator network robustness to extinction with declining area	Christine Parent - Functional island biogeography through time	Sarah Nichols - Investigating parasite dynamics during a sequential island colonisation using Whole Genome Sequence data
Hugo Silva - What is the taxonomic status of the most important pollinator on Madeira Island?	Luke Harmon - Are islands really special? Time scaling and evolutionary rates on islands	R. Graham Reynolds - Contingency, determinism, and stochasticity in the Evolution of West Indian Boas
Manuel Nogales - The ecological collapse of mutualistic interactions in a high oceanic mountain environment (El Teide, Canary Islands)	Manuel Curto - High throughput genotyping of <i>Micromeria</i> Benth. (Lamiaceae) in the Canary Islands reflect species syngameon dynamics in different stages of species diversification	Johannes Foufopoulos - Island fragmentation and global warming drive early extinctions in Mediterranean island reptiles
Maximilian Vollstädt - Plant–frugivore interactions across the Caribbean islands: Modularity, invader complexes and the importance of generalist species	Yoshihisa Suyama - Multi-species phylogeography and genetic diversity of flora in the Ryukyu Islands, Japan	Theodora Petanidou - The Aegean Archipelago: a cradle for flowers and bees
Sandra Hervías-Parejo - Divergence in fruit traits preferences between birds and lizards on islands	Salvatore Cambria - Insular speciation and influence of the environment on the phenotypical traits in the perennial species of the genus <i>Solenopsis</i> C. Presl	Vicente Castillo - An island biogeography approach explains the high avian diversity of a peninsular system
	Kalina Kapralova - Charr-lock Holms: Genetic clues on how to grow large and become a fish eater	Yanping Wang - The integration of the small-island effect and nestedness pattern

### HOTEL AKTEA

12:45-14:00 *LUNCH*

(4<sup>th</sup> July programme continued on the next page)

14:00-15:40 PARALLEL SESSIONS

<b>HOTEL GATTOPARDO</b>	<b>PALACONGRESSI</b>	<b>HOTEL AKTEA</b>
<b>Island Ecology</b> chair: Natalia Sierra Cornejo	<b>Human and Islands</b> chair: Lea de Nascimento	<b>Island Biogeography and Macroecology</b> chair: Luis Valente
Elena Rocafull - Preliminary quantification of the carbon stock of lowland and midland scrublands of Tenerife, Canary Islands	Antony Brown - Mediterranean Islands and Agricultural Terraces: Chronology, geoarchaeology and sedaDNA	Sonya Clegg - The dynamics of recent hybridisation in island white-eyes
Natalia Sierra Cornejo - The vulnerability of soil carbon stocks as particulate and mineral-associated organic carbon in shrubland ecosystems of Tenerife	Ana Nuno - A global assessment of the barriers influencing the effectiveness of island ecosystem management	Cátia Alves - Population genetics within two Grapsidae species (Crustacea: Brachyura) indicates long distance dispersal in the NE Atlantic and between Macaronesian Islands and the Mediterranean
Félix Manuel Medina - Effect of ash accumulation from the Tajogaite volcano on the seed bank of the Canary pine forest (La Palma, Canary Islands)	Lea de Nascimento - Long-term ecology of past arid environments	Andrea Estandia - The genomics of the 'island rule' in an island-colonising bird
Rym Nouioua - Effects of large-scale forest fires on insular bats		Francesco Gallozzi - The intriguing biogeographic pattern of the Italian wall lizard <i>Podarcis siculus</i> (Squamata: Lacertidae) in the Tuscan Archipelago reveals the existence of a new ancient insular clade
		Ettore Fedele - A standardised portable DNA metabarcoding system for biodiversity monitoring on remote islands

15:40-17:40

<b>Island Ecology</b> chair: David Zelený	<b>Human and Islands</b> chair: Lea de Nascimento	<b>Island Biogeography and Macroecology</b> chair: Antony Brown
Alexandra van der Geer - One size does not fit them all: cladogenesis in an insular megaherbivore	Cyril Hammoud - Trematode parasite communities vary with agricultural land-use intensity in an archipelago-like system of Ugandan crater lakes	Johannes De Groeve - A streamlined workflow for reconstructing changes in island configuration in response to sea level dynamics
Bruno Senterre - Red Listing of the Ecosystems of the Seychelles granitic islands	Claudia Speciale - Humans, animals and plants on small islands: case studies from prehistoric Pantelleria and Ustica	Manuel Steinbauer - Palaeoecological trajectories of non-native vegetation on islands globally
Di Zeng - Cascading effects of defaunation on personality diversity in small mammals in subtropical reservoir islands	Alice Cibois - Bird name atlas of Eastern Polynesia	Jesús Gómez-Zurita - Historical biogeography of a hyper-diverse endemic lineage of South Pacific leaf beetles
Leivur Janus Hansen - Small islands, small ponds, small communities – water beetles and water boatmen in the Faroe Islands		Damiano Spagnuolo - Panarea ECCSEL NatLab-Italy: A unique natural laboratory for research on climate change and CO <sub>2</sub> geological storage
David Zelený - Extinction of rare species on smaller islands is the key mechanism behind the species-area relationship on acidophilous habitat patches: an empirical study from the Czech Republic		Inger Greve Alsos - Contribution of ancient sedimentary DNA to understand island biology
Isabela Gil-Ramos - Potential effects of sea level rise on island snakes in the New World		Marwan Cheikh-Albassatneh - The fauna of the oldest oceanic island

(only for participants who have booked)

**MARINA CORTA**

18:00 BOARDING AND DEPARTURE FOR “STROMBOLI BY NIGHT”

boat names: “ALIANTE” and “PALOMA”

(estimated return at 23:30)

## Wednesday 5<sup>th</sup> July

### Social excursions with guides

The hikes will take place on paths that often have a rough surface and a certain degree of difficulty. There are no freshwater springs or refreshment places along the routes, so it is strongly recommended that participants bring along a sufficient reserve of water (at least 1 litre per person) and provide suitable equipment (hiking shoes or shoes with sculpted soles, hat, windbreaker, sun protection), including fruit and/or sandwiches.

#### Excursion to Lipari (Cave di Caolino-Thermal bath of S. Calogero)

MEETING AT SOTTOMONASTERO (main harbour) 8:30 *BUS DEPARTURE*

bus name: "MEGASERVICE"

(estimated return at Lipari town: 14:00)

---

#### Excursion to Vulcano

MEETING AT MARINA CORTA 8:00 *BOARDING AND DEPARTURE*

boat name: "ULISSE"

departure from Stromboli to Lipari at 18:00

---

#### Excursion to Salina

MEETING AT MARINA CORTA 8:30 *BOARDING AND DEPARTURE*

boat name: "ULISSE"

departure from Salina to Lipari at 17:00

---

#### Excursion to Panarea

MEETING AT MARINA CORTA 8:30 *BOARDING AND DEPARTURE*

boat name: "PALOMA"

departure from Panarea to Lipari at 16:30

---

#### Excursion to Stromboli

MEETING AT MARINA CORTA 8:30 *BOARDING AND DEPARTURE*

boat name: "ALIANTE"

departure from Stromboli to Lipari at 16:00

---

(only for participants who have booked)

**TURMALIN**

21:00 *SOCIAL DINNER*

---

## Thursday 6<sup>th</sup> July

### HOTEL AKTEA

9:00-10:00 **PLENARY LECTURE**

Giovanni Strona – Network thinking in island biogeography

---

10:00-10:30 *COFFEE BREAK*

---

10:30-12:30 **PARALLEL SESSIONS**

<b>HOTEL GATTOPARDO</b>	<b>PALACONGRESSI</b>	<b>HOTEL AKTEA</b>
<b>Conservation on Islands 1</b> chair: Paulo Borges	<b>Conservation on Islands 2</b> chair: Jayna L. DeVore	<b>Island Biogeography and Macroecology</b> chair: Robert Whittaker
Mark V. Lomolino - Evolution, extinction and the paradox of anthropogenic enrichment	Jayna L. DeVore - A yellow crazy ant eradication program clarifies ant impacts on the seabirds and terrestrial crabs of a Polynesian atoll	Julia Heinen - Introductions outweigh extinctions in shifting seed dispersal potential across 111 island plant–frugivore communities worldwide
Ricardo Rocha - Harvesting the power of remote-sensing technologies to investigate the spatiotemporal dynamics of insular vertebrates and their interspecific interactions	Jairo Patiño - Towards a mechanistic understanding of plant invasion on islands: the case of the Compositae family in the Canary Islands	Camille S. Delavaux - Mutualism limitation, habitat heterogeneity, and isolation weaken the latitudinal diversity gradient among island floras
Eva K. Nóbrega - Landscape ecology, trophic interactions and phylogeny of the threatened Madeiran Pipistrelle in Porto Santo Island, Macaronesia	Chen Zhu - Generalist and topologically central avian frugivores promote plant invasion unequally across land-bridge islands	Holger Kreft - Life in isolation: One-fifth of all vascular plant species are endemic to islands
Alessandro Chiarucci - Islands and protected areas in the Mediterranean towards the 2030 Biodiversity Targets	Mario Mairal - The interplay between multiple introductions and convergent reproductive strategies drives genetic diversity and structure in the most invasive plant in the Sub-Antarctic	Jean-Philippe Lessard - Source pool diversity and proximity shape the compositional uniqueness of insular mammal assemblages worldwide
Amanda Taylor - Unravelling the influence of mycorrhizal fungi on orchid distributions: implications for island conservation	Wieteke Holthuijzen - An invasive appetite: combining molecular and stable isotope analyses to reveal the diet of introduced house mice ( <i>Mus musculus</i> ) on a small, subtropical island	Maira Cardoso - Do human impacts explain the proportion of threatened bird species on islands?

### HOTEL AKTEA

12:30-14:00 *LUNCH*

---

(6<sup>th</sup> July programme continued on the next page)

14:00-15:20 PARALLEL SESSIONS

HOTEL GATTOPARDO	PALACONGRESSI	HOTEL AKTEA
<p><b>Conservation on Islands 1</b> chair: Noelline Tsafack</p>	<p><b>Conservation on Islands 2</b> chair: Martin Wiemers</p>	<p><b>Island Biogeography and Macroecology</b> chair: Lizzie Roebble</p>
<p>Paulo Borges - Long-term monitoring of the Azorean native forest arthropods: what we have learned so far</p>	<p>Diethart Matthies - The demography of the threatened plant <i>Echium pininana</i>, an endemic of the island of La Palma</p>	<p>Lizzie Roebble - Daisies in isolation: Diversity and island biogeography of the largest plant family</p>
<p>Noelline Tsafack - A novel approach to assessing the ecological condition of Azores archipelago's native forests: Arthropod-based biotic integrity indices</p>	<p>Martin Wiemers - Conserving Madeira's threatened endemic butterflies</p>	<p>Lara Baptista - Interspecific gene flow and ecological differentiation drive the evolution of the bryozoan genus <i>Reteporella</i> in the Azores Archipelago</p>
<p>Alessandro Silvestre Gristina - Species distribution modelling to identify habitat islands suitable for narrow endemic climate relicts</p>	<p>Chuanwu Chen - Correlates of extinction vulnerability and biogeographical variation in amphibians on oceanic land-bridge islands</p>	<p>Livia Sinigaglia - Marine bivalves in oceanic islands: investigating biogeographic patterns in the Atlantic Ocean</p>
<p>Agnes-Katharina Kreiling - Capturing the biological diversity of the island of Koltur, Faroe Islands – a baseline for long-term monitoring</p>		<p>Dylan Craven - Unveiling drivers of shifts in local tree diversity patterns across elevation gradients in Pacific archipelagos</p>

**HOTEL AKTEA**

15:30-17:30 POSTER SESSION

## Friday 7<sup>th</sup> July

### HOTEL AKTEA

#### 9:00-10:00 PLENARY LECTURE

Ana M.C. Santos – How might the extinction of threatened species change functional diversity on islands?

#### 10:00-10:30 COFFEE BREAK

#### 10:30-12:30 PARALLEL SESSIONS

HOTEL GATTOPARDO	PALACONGRESSI	HOTEL AKTEA
<b>Conservation on Islands 1</b> chair: Ana Nuno	<b>Conservation on Islands 2</b> chair: Richard Field	<b>Island Biogeography and Macroecology</b> chair: Ole R. Vetaas
Ana Nuno - Establishing Marine Protected Areas: a reflection on practical challenges and opportunities for social-ecological integration	Richard Field - Biodiversity markets: a huge opportunity for island conservation	Ole R. Vetaas - Islands as test sites for biodiversity theory related to water-energy dynamics, production, and null models
Catalina Gomez - Unsustainable artisanal fishery inside UNESCO Marine Protected Area, Red Snappers in Coiba National Park	Mason Russo - Evaluating the impacts of the hala scale, <i>Thysanococcus pandani</i> Stickney on native hala forest, regeneration in the Hawaiian Islands	Pia Maria Eibes - Habitat island biogeography of natural edaphic islands
Nathan Michielsen - How long would it take to recover the diversity lost due to humans on Madagascar?	Gerard Rocamora - Rodent and cat eradications in the Western Indian Ocean: lessons learnt and perspectives	Ricardo Costa - Vertical stratification of spiders in Macaronesian forests
Danilo Russo - Bats of European islands are in troubled waters: setting conservation priorities	James Russell - The global contribution of invasive vertebrate eradication as a key island restoration tool	Francesco Santi - A comprehensive dataset of Mediterranean Islands to promote the advancement of island biogeography and conservation biology research
	Panu Kunttu - The red-list assessment of coastal habitat types in Finland	Yuval Itescu - Island biology in cities: Testing the Island Syndrome Hypothesis in gull populations
	Ricardo Faustino de Lima - Protecting what we know: Conservation priorities in the endemic-rich islands of São Tomé and Príncipe (central Africa)	Gísli Már Gíslason - Relationship of Trichoptera species in Iceland with other North-Atlantic islands and the mainlands of Europe

### HOTEL AKTEA

#### 12:30-14:00 LUNCH

(7<sup>th</sup> July programme continued on the next page)



14:00-16:00 **PARALLEL SESSIONS**

**PALACONGRESSI**

**Conservation on Islands**

chair: Rosalina Gabriel

---

Rosalina Gabriel - Comparative study of bryophyte communities in caves and outside habitats in Terceira Island, Azores

---

Pau Enric Serra Marin - Benefits of using automatic cameras to survey plant-pollinator interactions on a remote Mediterranean Island

---

Jonathan Price - Creating reference native communities for conservation efforts by modeling dominant plant species across Hawai'i

---

Cristina Blandino - Plant conservation in the Aeolian Islands: bringing species back from the brink of extinction

---

Roseli Pellens - Biotic disharmony favors invasiveness in New Caledonia

---

**HOTEL AKTEA**

**Island Biogeography and Macroecology**

chair: Simone Fattorini

---

Tom Matthews - Threatened and extinct island birds of the world: implications for species loss on functional diversity

---

Carsten Hobohm - Climate and land use change on Wadden Sea Islands

---

Spyros Sfenthourakis - A comparative multi-taxon study on intra-island diversification patterns on Cyprus

---

Enrico Schifani - The Sicilian biogeography explored from ants' perspective: a crossroad, an island, an archipelago

---

Romane Blaya - Long-term dynamics of ant communities on small Mediterranean islands

---

**PALACONGRESSI**

16:00-17:00 **SOCIETY OF ISLAND BIOLOGY GENERAL ASSEMBLY**

---

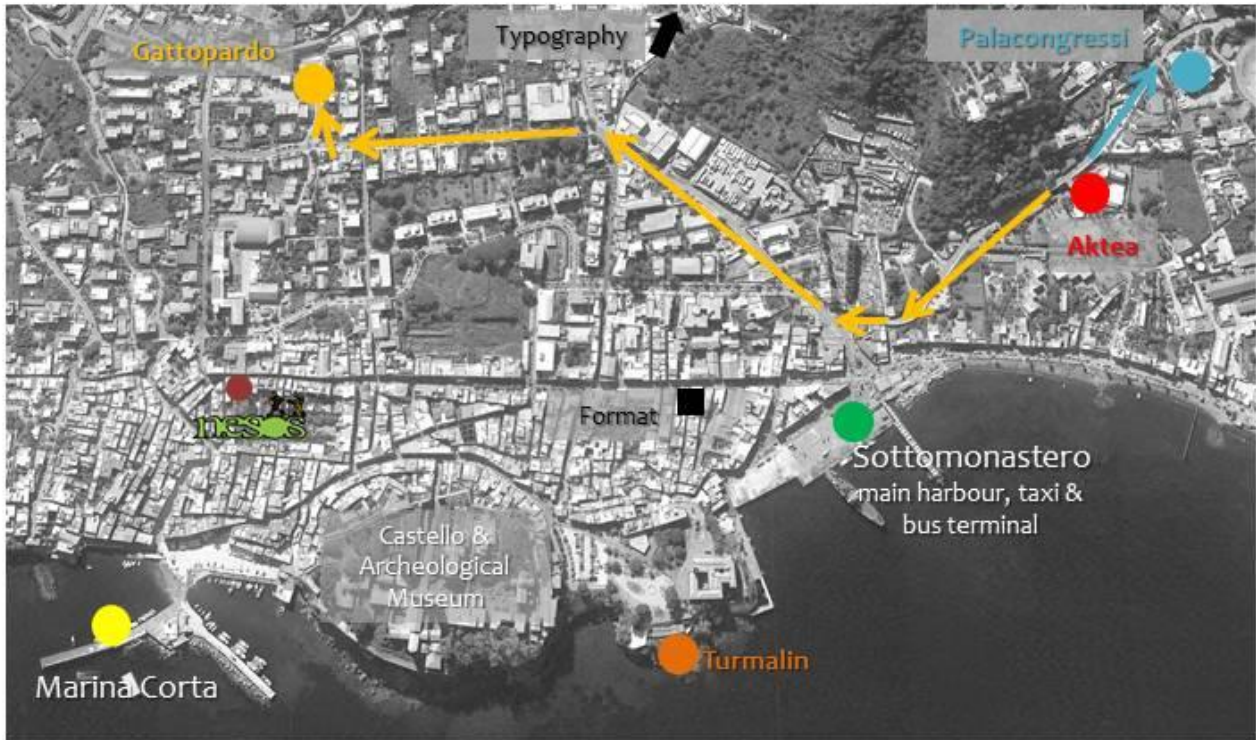
**PALACONGRESSI**

17:00-17:30 **CLOSING CEREMONY**

chair: José María Fernández-Palacios

---

## how not to get lost during the conference



- **HOTEL AKTEA**  
 Registration of attendees (Sunday 2<sup>nd</sup>)  
 Opening (Monday 3<sup>rd</sup>) & Plenary lectures  
 Parallel session  
 Coffee breaks & lunches
- **PALACONGRESSI** (2 minutes' walk from Aktea) → suggested itinerary  
 Parallel session  
 SIB assembly & closing ceremony (Friday 7<sup>th</sup>)
- **HOTEL GATTOPARDO** (10 minutes' walk from Aktea) ← suggested itinerary  
 Parallel session
- **MARINA CORTA**  
 Meeting point/departure Stromboli by night (Tuesday 4<sup>th</sup>)  
 Meeting point/departure excursions other islands (Wednesday 5<sup>th</sup>)
- **SOTTOMONASTERO**  
 Meeting point/departure excursion Lipari (Wednesday 5<sup>th</sup>)
- **TURMALIN**  
 Social dinner (Wednesday 5<sup>th</sup>)
- where I can print my poster
- mesos organization office (opening 7 p.m.)