

# 4<sup>th</sup> SYMPOSIUM FOR THE MEDITERRANEAN SMALL ISLANDS

## EVENT REVIEW

*From October 16 to 19, 2023  
Lipari, Sicily*

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## OPENING EVENT WORDS FROM THE PRESIDENT

PIM Initiative, as an NGO formalized in 2017, has been proud to have the privilege to address to a major part of the community which constitute it, coming from different shores of the Mediterranean Sea, to share these few days. Islands, small islands, certainly need researchers, managers, and rangers. But it is above all the researchers, the managers, the wardens - in short, the friends of the small islands - who have a mutual need to meet, to share experiences, information and ideas. Cooperation starts with meetings, and a symposium such as this one, is much more than technical sessions or field trips. The informal times are also productive, to exchange ideas and to enable us to change things on the ground in the future.



Although our origins and trajectory are for the moment very much "Western Mediterranean", the presence among us of colleagues who work in the Adriatic, Greece, the Canaries and Cape Verde not only suggests that we are active throughout the whole basin, but also in Macaronesia. As well as strengthening ties between the historic partners, this major event also provides an opportunity to forge links with new partners, to consolidate the community of experts and practitioners that is being forged within the Mediterranean biodiversity hotspot. In line with the strategy for the coming years, this event will help to create synergies with this region, where the issues converge in many respects. Maybe in the future we'll have to double the M in our acronym: PIMM, for "Petites îles de la Méditerranée et de la Macaronésie" ("Mediterranean and Macaronesian small islands").





## OPENING EVENT WORDS FROM THE PRESIDENT

Since its inception in 2005 and the development of its network, PIM has stimulated many meetings similar to our 4th Symposium. It is a fantastic capital of exchange of technical information, experiences and reports, most of which can be consulted through the impressive collection of documents, the richest on the Mediterranean island phenomenon. We have the opportunity to assist to summaries of island biology, reports on the observation of introduced or invasive species, alongside specific experiences of management or specialised details. We islands and islanders are not isolated; on the contrary, the sea binds us together and, thanks to PIM, we feel part of an extended community on all the shores of the Mare Nostrum and now beyond, dedicated entirely to the knowledge and protection of small islands and all the countries that have responsibility for them.

I encourage you to put on your PIM cap when working on small islands, using the name of the association that brings us together, because it's with each of our personal works, with our activities in both research and management, that PIM will increase its prestige and its role. PIM is not a small office in Marseille, but the synergies of each and everyone of us. I am very pleased to be able to thank the truly Mediterranean hospitality of the Lipari municipality, the partners who co-organized and supported this event (Conservatoire du Littoral, Nesos, FFEM and Water Agency RMC) and the dedicated professional competence of our magnificent team, Mathieu, Eva, Cyrielle and Anaële, as well as to pay tribute to the admirable work of our former President, Sami Ben Haj, who was unable to share this meeting due to a health problem from which we hope for a rapid and complete recovery.

Joan Mayol, President of PIM Initiative



# REVIEW OF THE PROGRAM AND PRESENTATIONS

After the 3<sup>o</sup> Conference for the Small Mediterranean Islands organized in Bizerte (Tunisia) in 2012, PIM Initiative and the Conservatoire du Littoral have organized the 4<sup>o</sup> Symposium for Small Mediterranean Islands in Lipari, Sicily (Italy), from 16 to 19 October 2023, in partnership with NESOS association, and with financial support from the FFEM (COGITO project) and the RMC Water Agency. This four-day event provided an opportunity to assess the work carried out on Mediterranean islands over the last ten years, and to consolidate the strategy for the coming decade.

90 people coming from 11 different countries of the northern and southern shores of the Mediterranean, came to Lipari island, located at the heart of the Aeolian Archipelago, to attend to the symposium. The event was designed in order to assess the actions held since the 3<sup>o</sup> symposium, to highlight lessons learnt and to capitalize on them in order to build consistent project for the future:

- 3 sessions reviewing the past 10 years, with presentations organized by themes: Knowledge acquisition, Ecological restoration, Collaborative management, and a dedicated time to the chairmen to restitute them;
- 2 sessions on future prospects, with a focus on the CAIPIM project (in preparation) written by PIM Initiative and the Conservatoire du Littoral (Wednesday afternoon), a workshop on protocols to be developed in this framework, and a presentation dedicated to the strategy to follow for the next decade.

Dedicated times in the agenda to open discussions, an excursion to the island of Stromboli and a dinner in a century-old restaurant in Lipari, also served to strengthen ties and cohesion between island stakeholders, and to create spaces for informal and productive exchanges. This great decennial meeting of the island defenders community, enabled donors, NGOs, managers and scientific experts to exchange on the partnerships set up, the cross-border strategies deployed and the tools to be developed to strengthen cooperation between all the stakeholders, towards better managed and protected small islands.

You can find in the following part of this document, all the presentations done during the event by clicking on the link associated to each presentation.

[See online detailed program.](#)





## Actions review from 2012: Knowledge acquisition

### 14:00 Introduction and general overview

Mathieu THÉVENET & Eva TANKOVIC | PIM Initiative, France →



### Focus by geographic area

### 14:15 Climate change effects on plant biodiversity of small Mediterranean islands: resurvey project

Francesco SANTI | BIOME Lab - University of Bologna, Italy →



### 14:25 10 years of PIM herpetological research

Claudia CORTI | Florence University, Italy →



### 14:35 MedIsWet Project in Italy. Inventories on the main islands of Sardinia and Sicily with a focus on plant species

Mauro FOIS | Centre for Conservation of Biodiversity - University of Cagliari, Italy →



### 14:45 The Sicilian Subbasin: update of the Atlas

Salvatore PASTA | Consiglio Nazionale delle Ricerche (CNR), Istituto di Bioscienze e BioRisorse (IBBR), UOS di Palermo, Italy →



14:55 [TORDA project: results in Tunisia](#)

Syrine MOSLAH & Wael BEN ABA | Association Tunisienne pour la Vie Sauvage (ATVS), Tunisia →



15:25 [Corsican islets, from a database toward an atlas](#)

Michel DELAUGERRE | Zoologist, France →

With the contributions of : Guilhan PARADIS | University of Corse -  
Romane BLAYA & Frédéric MÉDAIL | Mediterranean Institute of marine  
and terrestrial Biodiversity and Ecology (IMBE) • Jean-Claude THIBAUT  
| Corsican regional nature park • Isabelle GUYOT | Ecologist • Greg  
BENEUX & Marion CHALBOS | Corsican Chiroptera Group • Laetitia  
HUGOT & Yohan PETIT | National botanical conservatory of Corsica



15:35 [Assessment of naturalist inventories carried out on the peripheral islets of Port-Cros Nat. Park](#)

Annie ABOUCAYA | Port-Cros National Park, France →



15:45 [Improving knowledge of the small islands of northern Tunisia : Fratelli, Cani, Pilau & Plane](#)

Aida ABDENNADHER | Sea Convergence, Tunisia →



## Focus on naturalistic aspects

16:30 [Posidonia oceanica "banquettes": a poorly know habitat for arthropod communities](#)

Philippe PONEL | Mediterranean Institute of marine and terrestrial Biodiversity and Ecology, France →







16:40 [Marine bivalves in oceanic islands: contrasting evolutionary and biogeographic patterns](#)

← Livia SINIGAGLIA | University of Porto, Portugal



16:50 [Ecological monitoring of three conservation targets \(Coralligenous, Zostera marina beds and the large limpet Patelle ferruginea\) in the marine area of Jbel Moussa](#)

← Hocein BAZAIRI | University Mohammed V of Rabat



17:20 [The Yelkouan Shearwater or Mediterranean Shearwater \(Puffinus Yelkouan\) of Zembretta island \(Tunisia\): Assessment of 10 years of monitoring](#)

← Ridha OUNI | Association de Sauvegarde du Patrimoine Ecologique et Naturel (ASPEN) - Cap Bon, Tunisia



17:30 [Oxycara \(Coleoptera: Tenebrionidae\) of the Ilhéu de Sal Rei \(Boavista, Cabo Verde\)](#)

← Pilar JURADO ANGULO | University of Porto, Portugal



17:40 [Floral biology and pollen limitation in Silene hicesiae](#)

← Agata Irene DI PAOLA & Giuseppe EMMA | University of Catania, Italy

## Actions review from 2012: Preservation and restoration

### 08:30 Introduction

*Mathieu THÉVENET & Eva TANKOVIC | PIM Initiative, France*

### Managing invasive species

#### 08:50 Rat eradication projects in Italy, and the assessment of 25 years of European projects

*Paolo SPOSIMO | NEMO Ltd, Italy*



#### 09:00 Restoration of island ecosystems through the eradication of invasive species: assessment of 20 years of intervention

*Louis DUTOUQUET | Histoire Environnement littoral Paysage (HELP), France*



#### 09:10 Introduced mammals on Mediterranean Islands where do we stand? Critical example of cat predation on seabirds

*Elsa BONNAUD | University of Paris Saclay, France*



#### 09:20 Would you like some "Eau de rats" tonight ?

*Michel DELAUGERRE | Zoologist, France*

*With the contributions of : Claudia CORTI | University of Florence • Marta BIAGGINI | University of Florence • Marco MANGIACOTTI | University of Pavia*

#### 09:50 Four islands, one Park: what the after-Life monitoring tells us on the benefits obtained after alien animals were removed

*Nicola BACCETTI | Institute for Environmental Protection and Research (ISPRA)*







10:00 Research and concrete conservation actions in a greek protected remote insular area during the last 15 years: The case of Strofades island group (S. Ionian Sea)

← Georgios KARRIS | Ionian University, Greece



10:10 Monitoring and regulation of common pheasant on the island of Saint-Honorat

← Frère VINCENT | Lérins Abbey, France



## In-situ conservation actions

10:50 Gatvaire project, reintroduction of small squals, first results of an innovative initiative

← Joan MAYOL | PIM Initiative, Spain



11:10 STAL, A conservation project for the Aeolian wall lizard

← Pietro LO CASCIO | Associazione NESOS, Italy



11:20 Creating a population of European leaf-toed Geckos on the island of Petit Rousseau

← Vincent RIVIÈRE | Agir Ecologique, France

## Habitats restoration

11:50 IAS eradication in Sardinia and surrounding islands. An overview of our latest MIC project in S. Macario but also of other recent and less recent activities in Caprera and on the main island of Sardinia

*Gianluigi BACCHETTA | University of Cagliari, Italy* →



12:00 MAN - Post-fire restoration actions on Galite

*Moez SHAIEK | Mediterranean Action Nature, Tunisia* →



12:10 Presentation of actions aimed at conserving the flora of Marseille's coast and islands, as part of the LIFE "Calanques habitat" program

*Alain MANTE | Calanques National Park, France* →



12:20 Initiatives for the restoration of Posidonia meadows and the Nobel Pen Shell (Pinna nobilis) in the Kerkennah archipelago: example of the PP-KER project

*Akrem DRIDI | ATUTAX, Tunisia* →

*With the contributions of : Nada ABDELKADER - Rym ZAKHA-MA-SRAIEB - Salma ZRIBI, ATUTAX, Tunisia*





TUESDAY 17 OCTOBER

## Stromboli excursion

Thanks to NESOS Associazione team for the guided visit !







## Actions review from 2012: Collaborative management

9:00 [Introduction - PIM - Governance & cooperation / Grand Rouveau: setting-up the co-management](#)

*Mathieu THEVENET & Eva TANKOVIC | PIM Initiative, France*



9:20 [The MedFund: a Mediterranean conservation fund for marine and coastal protected areas](#)

*Romain RENOUX | MedFund, France*



9:30 What does cooperation mean? Key actions of the Conservatoire du littoral



*Fabrice BERNARD | Conservatoire du littoral, France*



9:40 [Green light protocol, a mechanism to promote wet-land restoration in the Mediterranean](#)



*Lorena SEGURA | Tour du Valat, France*



9:50 [Cooperative framework for monitoring and data sharing for the management and conservation of mobile species](#)



*Susan GALLON | MedPAN, France*



10:35 [Towards effective MCPA management in Tunisia](#)



*Mohammed Béchir NASRA | Coastal Protection and Development Agency (APAL), Tunisia*



## WEDNESDAY 18 OCTOBER

10:45 Collaborative Management for the Conservation of Adriatic Islands – Association Sunce, Croatia

*Zrinka JAKL | Sunce NGO, Croatia*



10:55 Challenges of small island conservation in an archipelago country with limited income

*Samir MARTINS | BIOS.CV, Cape Verde*



11:05 Ecological impacts and community-based management of invasive mammals in the Aegean Sea

*Johannes FOUFOPOULOS | University of Michigan, USA*



11:15 Applied field courses as a valuable tool for ecological data collection, knowledge acquisition and capacity building

*Adrien CHEMINÉE | Septentrion Environment, France*





## Future prospects: CAIPIM and other projects



### 15:00 Introduction

*Frédéric MÉDAIL | President of PIM Initiative Advisory Committee • Mathieu THÉVENET & Eva TANKOVIC | PIM Initiative, France*

### 15:20 History within Islands : issues and prospects

*Brigitte MARIN | Ecole française de Rome, Italie*

### 15:30 The unrecognized importance of the small islands of Macaronesia (PIMAs) as crucial refugia of terrestrial biodiversity

*Frédéric MÉDAIL | PIM Initiative, France*



### 16:00 Workshop

PIM expert brainstormed to identify what ecological indicator are relevant to assess good ecological state of islands:

- Protocol ideas and definition of monitoring protocol indicators for the CAIPIM project: flora & habitats, vertebrate and invertebrate fauna, marine biodiversity;
- Contact ideas;
- Data bancarization.





WEDNESDAY 18 OCTOBER

Gala dinner, at the Fillipino restaurant (Lipari)





THURSDAY 19 OCTOBER

## Restitutions and opportunities for development

### 9:00 PIM Strategy

Cyrielle GROUARD, PIM Initiative, France



### 10:00 Restitutions chairmen and perspectives for the future

- Knowledge acquisition - Discussion
- Ecological restoration - Discussion
- Collaborative management - Discussion



*End of the symposium !*





# ACKNOWLEDGEMENTS

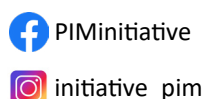


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