



4th SYMPOSIUM FOR THE MEDITERRANEAN SMALL ISLANDS











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 PROGAM AND PRESENTATIONS

After the 3° Conference for the Small Mediterranean Islands organized in Bizerte (Tunisia) in 2012, PIM Initiative and the Conservatoire du Littoral have organized the 4° 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° 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.



MONDAY 16 OCTOBER

Actions review from 2012: Knowledge acquisition 14:00 Introduction and general overview

Mathieu THÉVENET & Eva TANKOVIC | PIM Initiative,



Focus by geographic area

Italy

14:15 <u>Climate change effects on plant biodiversity of small</u>
<u>Mediterranean islands: resurvey project</u>

Francesco SANTI | BIOME Lab - University of Bologna,



14:25 <u>10 years of PIM herpetological research</u> Claudia CORTI | Florence University, Italy





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

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



MONDAY 16 OCTOBER

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 THIBAULT
| Corsican regional nature park • Isabelle GUYOT | Ecologist • Greg
BENEUX & Marion CHALBOS | Corsican Chiroptera Group • Laeticia
HUGOT & Yohan PETIT | National botanical conservatory of Corsica



15:35 <u>Assessment of naturalist inventories carried out on</u> the peripheral islets of Port-Cros Nat. Park

Annie ABOUCAYA | Port-Cros National Park, France



15:45 <u>Improving knowledge of the small islands of northern</u> Tunisia: Fratelli, Cani, Pilau & Plane

Aida ABDENNADHER | Sea Convergence, Tunisia ->>



Focus on naturalistic aspects

16:30 <u>Posidonia oceanica "banquettes": a poorly know habitat for arthropod communities</u>

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



MONDAY 16 OCTOBER



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



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 <u>Gatvaire project, reintroduction of small squals, first</u> 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 <u>Creating a population of European leaf-toed</u> Geckos on the island of Petit Rouveau



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 <u>Presentation of actions aimed at conserving the flo-ra of Marseille's coast and islands, as part of the LIFE "Calangues habitat"</u> 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 ZAKHAMA-SRAIEB - Salma ZRIBI, ATUTAX, Tunisia



Stromboli excursion





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 wetland 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

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

Zrinka JAKL | Sunce NGO, Croatia





10:55 <u>Challenges of small island conservation in an archipelago country with limited income</u>

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,

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 <u>History within Islands : issues and prospects</u>

Brigitte MARIN | Ecole française de Rome, Italie

15:30 <u>The unrecognized importance of the small islands of</u>
<u>Macaronesia (PIMAs) as crucial refugia of terrestrial biodiversity</u>

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.



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







ACKNOWLEDGEMENTS











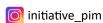
PIM Initiative and the Conservatoire du littoral teams extend their warmly thanks to all the participants, co-organizers (Associazione NESOS) and partners (Elstarecon, Gattopardo Park Hotel) for their precious contributions to the programation and to the logistics organization of the 4° Symposium for Mediterranean Small islands. Thanks as well to the municipality of Lipari for its warm welcome.

The event was organized thanks to the financial support of the French Global Environment Facility (FFEM), the COGITO project and the Water Agency RMC (Agence de l'Eau Rhône Méditerranée Corse).



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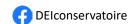






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