



SHAREMED

First Capitalisation Workshop

*Designing the future system of observing systems to assess and address threats to the Mediterranean marine ecosystem
- State-of-the-art, needs and future direction*

Webinar: 14-15th December, 2020



Name of presenter: Carlo Brandini (Consorzio LaMMA-CNR)
Name of project: SICOMAR+



Project name: SICOMAR +

Project coordinator: Regione Toscana - Gilda Ruberti



+ Consorzio LaMMA (technical reference partner)

Project duration: 36 months (+ 7 months extension)

Funding authority: EC – Interreg IT-FR Marittimo

Geographic extension: Crossborder Italy-France Marine Area

5 regions: Toscana, Sardegna, Liguria, Corse, PACA → 16 partners (including Coast Guard).



❑ What are the main environmental threats or risks that your project is addressing?

- ✓ **Naval accidents** and their consequences: improving the **safety of navigation** in the North-Western Mediterranean, which has been seriously threatened in recent years by the **increase in marine traffic** and especially **dangerous goods**
- ✓ Protect the sea and coastal environments from **oil spill pollution**
- ✓ **Risk of collision with marine mammals** in the Pelagos Sea

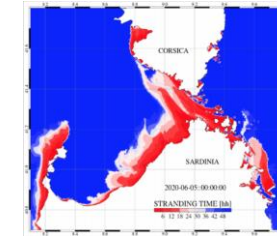
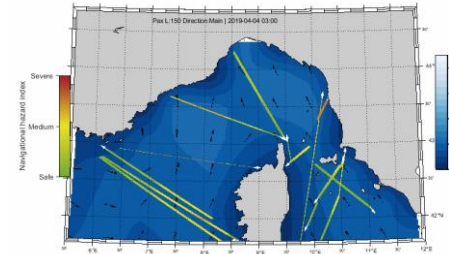


❑ What kind of contribution to the above listed threats/risks does your project provide (e.g. monitoring/observations, scientific knowledge, guidelines, regulations, service, networking,...)?

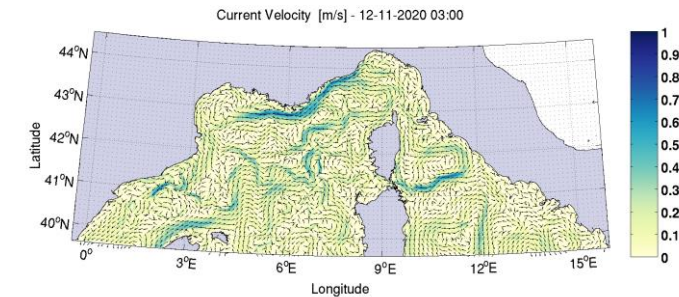
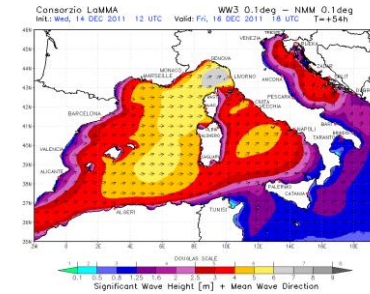
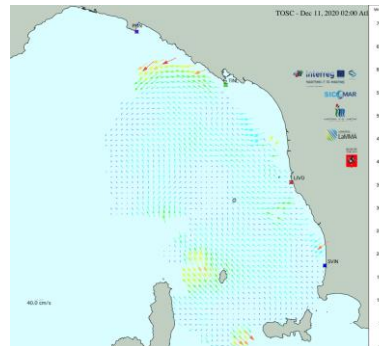
- ✓ increase of the marine area controlled by monitoring tools (radar, satellites, in-situ instruments and / or integration of these systems);
- ✓ the reduction of the uncertainty on wind/waves and circulation forecast;
- ✓ training and demonstration activities such as piloting in dangerous marine areas;
- ✓ creation of emergency support tools, risk management models and services for safety at sea and environmental protection.

□ What kind of information/data is your project able to provide?

- At what spatial scale? The whole **NWMED** area covered by observing systems, models and tailored services



- At what temporal scale? **Near Real Time observations & Short-medium term forecast**



- What are the main gaps/needs from a scientific and technological point of view?

Need to harmonize observation capacity and data sharing between neighboring countries

Is your project addressing specific EU, international or regional regulations?

- International Convention for the Prevention of Pollution from Ships (MARPOL);
- Agreement between Italy and France on navigation in the Bonifacio Strait and possible extension to other areas (Corsica Channel)

Which main bottlenecks need to be addressed in connection with environmental threats or pollution risks in the Mediterranean?

- lack of data on many variables (deep sea / sea surface), low coordination, lack in data management and interoperability, technology, temporal continuity, spatial scale, limited uptake by society/authorities,...)

Low – medium - high

How did your project contribute to solve such bottlenecks?

- Investments towards the extension of the monitoring networks (eg. HF radar)
- Data sharing and interoperability among the main actors (Research Instit., Env. Agencies, Pub. Authorities, ...)
- Direct involvement of Regional Authorities and Regional Agencies, Civil Protection, Coastal guard.

- ❑ Which governance frameworks are needed to address such challenges more extensively?

Project outputs:

- ✓ Joint action plan for **integrated monitoring and safety** and MoU for data sharing.
- ✓ Joint action plan for the **safety of navigation and piloting in dangerous maritime areas.**

Limits: although this approach is correct, it is difficult for these objectives to be achieved without the participation of national bodies

- ❑ Main take home messages from your project and suggestions for future project trajectories and/or integration with other research programs
- ✓ Importance of **infrastructure investments** (other programs should take this as an example)
- ✓ Interregional (cross-border) programs should find **a specific space within a wide Interreg-Med program to accommodate the most interesting results / approaches**