



## CINMarS: Executive Summary

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## AMENDMENT HISTORY

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| 1.0     | 5/12/2016  | Version 1.0 submitted for ESA review  | Cathal O' Mahony                              |
| 1.1     | 11/08/2017 | Document amended to account for GSP stipulations regarding distribution and confidentiality | Rory Scarrott                                 |

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## Executive Summary

ESA member states are investing heavily in ESA-programmes, whilst EU Member States have invested heavily in the Copernicus programme and the new Sentinel satellite systems. However, the wealth of business opportunities, the knowledge, technology and data the space sector represents is not fully exploited. The Maritime sector is vital to Europe, both with regard to employment and business value, however, the use of Earth Observation (EO) and other space technology could be stronger in this sector. Space technology based services are an important enabling technology, and the business opportunities related to this technology should be exploited. To enhance this, innovators need support and guidance on how to best seize these opportunities.

With this in mind, the CINMarS project, funded by the European Space Agency, has provided analyses, knowledge and recommendations on how to create opportunities to strengthen links, and enhance business collaboration between space and maritime sector, which can contribute to employment and economic growth in Europe. The analyses and recommendations which formed the basis of the actions suggested in the Roadmap - the principle deliverable to be produced from the CINMarS activities - were founded on literature studies and qualitative data extracted from interviews, workshop data and document studies. Literature studies were used to provide the bedrock of the recommendations and implementation actions, with information derived from consultee data used to supplement findings and to document that the findings are more than anecdotal.

Stakeholders in the Maritime and Space sectors were a dominant driver in shaping the CINMarS-derived recommendations, and actions which populate the roadmap. These actions which target the following thematic areas:

- Clusters - Support services provided and future service development,
- Clusters - Building trust towards developing multi-disciplinary opportunities, products, and services,
- Policy - Fostering a cross-sectoral innovation environment for Clusters to animate,
- Space Sector - Identifying and responding to needs in the Maritime sector (and others),
- European Space Agency - Coordinating the unlocking of European Maritime-Space potential, animating the development of National Capacity to capitalise on space sector development,
- Funding mechanisms - Activating enhanced Maritime-Space Innovation growth,
- Funding mechanisms - Building an enhanced SME focus for diversity and flexibility.

The CINMarS Roadmap to using Clusters as animators of activity in the Maritime and Space cross-sectoral arena contains 176 implementable actions which approach the issue systemically. These pertain not only to the European Space Agency's remit of activities, but also which could improve the functioning of clusters and networks across the European Atlantic area. Policy recommendations and financing recommendations have the potential to impact far beyond the Maritime and Space sectors, as best practice guides are reviewed and applied elsewhere.

The actions extrapolated are fully transposable into Cluster, sectoral, national and international strategy documents, strategy implementation documents, and literature to guide relevant activities. As such, there are a number of audiences to which these actions are relevant, and who could benefit from their production.

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