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**Image Sea Solutions**

**CEO & Founder:** Jordi Sandalinas

**Date:** August 13, 2025

**To:** BBNJ Preparatory Commission Secretariat

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**Subject:** Submission of Information on Mandate and Cooperative Arrangements – Image Sea Solutions (Document 2).

### **1. Mandate for Cooperation with Other Instruments, Frameworks, and Bodies**

Image Sea Solutions is a private company dedicated to **marine environmental monitoring, education, consulting, and coaching**, with a strong technical focus on **satellite imagery, spatial data analysis, and remote sensing** to support **Marine Spatial Planning (MSP)** and **ocean governance**.

Our mandate addresses the intersection between **space activities and marine conservation**, with a particular focus on:

- **Mitigation, prevention, and restoration** of the impacts of **space debris and airspace debris** on **marine regions beyond national jurisdiction (ABNJ)** and other vulnerable oceanic zones.
- **Integration of spatial data** from Earth observation satellites into **MSP processes** to support sustainable ocean use and biodiversity conservation.
- Development of **policy and operational protocols** that link space law, marine environmental law, and international governance instruments, in line with the **BBNJ Agreement** and **UNCLOS**.

This mandate requires **cross-sectoral cooperation** with multilateral organizations, scientific bodies, space agencies, and maritime authorities to ensure effective monitoring, policy alignment, and ecosystem protection.

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## 2. Summary of Cooperative Arrangements

### International and Multilateral Cooperation:

- **Group on Earth Observations (GEO):** Active engagement in data-sharing initiatives and promotion of open-access spatial datasets for marine observation and MSP applications.
- **United Nations Office for Outer Space Affairs (UNOOSA):** Dialogue and knowledge exchange on the legal and technical aspects of **space debris impact mitigation** and remote sensing integration in marine governance.
- **International Maritime Organization (IMO):** Alignment of satellite-based debris detection systems with maritime safety and pollution prevention protocols.
- **Intergovernmental Oceanographic Commission (IOC-UNESCO):** Collaboration in embedding **remote sensing-derived spatial data** into global MSP frameworks.
- **European Marine Observation and Data Network (EMODnet):** Cooperation on data interoperability and the integration of debris-related monitoring outputs into MSP tools.
- **International Hydrographic Organization (IHO):** Coordination on the standardization of **marine spatial data** and **hydrographic information** to support MSP and improve debris-related incident mapping in ABNJ.

### Nature, Scope, and Modalities of Cooperation:

- **Joint Research and Data Integration:** Working with space, marine, and hydrographic agencies to merge **remote sensing outputs** with **marine geospatial datasets** for MSP.
- **Capacity Building:** Training stakeholders in the use of **satellite imagery, hydrographic data, and spatial analytics** for marine habitat mapping, debris detection, and MSP implementation.

- **Policy Advisory:** Providing legal and technical expertise to ensure MSP frameworks incorporate **debris risk assessment** and **ABNJ-specific governance measures**.
  - **Restoration Planning:** Using **spatial modelling and hydrographic mapping** to design targeted restoration activities in debris-impacted marine areas.
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### 3. Hyperlinks to Informational Webpages and Official Documents

- [Image Sea Solutions Official Webpage \(www.imageseasolutions.eu\)](http://www.imageseasolutions.eu)
  - Article on Spatial Data Infrastructures for Marine Data Management (by Jordi Sandalinas, CEO Image Sea Solutions)  
<https://heinonline.org/HOL/LandingPage?handle=hein.journals/zlw68&div=33&id=&page=>
  - Marine Cadastre, Marine Spatial Planning and Marine Strategy: Effective tools to fight climate change and human impact on marine biodiversity (Article by Jordi Sandalinas).  
[https://www.researchgate.net/publication/325353381\\_Marine\\_Cadastre\\_Marine\\_Spatial\\_Planning\\_and\\_Marine\\_Strategy\\_Effective\\_tools\\_to\\_fight\\_climate\\_change\\_and\\_human\\_impact\\_on\\_marine\\_biodiversity](https://www.researchgate.net/publication/325353381_Marine_Cadastre_Marine_Spatial_Planning_and_Marine_Strategy_Effective_tools_to_fight_climate_change_and_human_impact_on_marine_biodiversity)
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### Conclusion

Image Sea Solutions is committed to leveraging satellite imagery, spatial data, hydrographic information, and remote sensing technologies to advance Marine Spatial Planning and protect ABNJ ecosystems from the emerging threat of space and airspace debris. By fostering cooperation between the space, marine, and hydrographic sectors, we aim to establish enforceable standards, preventive mechanisms, and effective restoration protocols in line with the goals of the BBNJ Agreement and other international instruments.

We welcome the opportunity to share our expertise and work collaboratively with the Preparatory Commission and its partners during the upcoming session (18–29 August 2025).



Respectfully,

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