

# **The S-100 Standard: Enabling a New Digital Vision of the Marine Environment**

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**Key words:** Plenary

## **SUMMARY**

How will the future of global development will be shaped by the capacity to manage spaces that connect people, economies, and ecosystems in a coherent and integrated manner. Oceans, seas, and coastal zones—once considered peripheral to land-based planning—have become central to global challenges related to climate change, security, trade, energy, and sustainable growth. In this evolving landscape, authoritative marine geospatial information is increasingly recognized as a strategic enabler for governance, resilience, and informed decision-making. The S-100 Universal Hydrographic Data Model represents a decisive step toward a fully digital, integrated, and interoperable representation of the marine environment.

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