Monitoring together to advance in the digital governance of water resources

MASE, Ministry of Environment and Energy Security

Euro-Mediterranean Water Forum 2026 · 29 September – 2 October · La Nuvola, Rome

KEY INFORMATION

Date	29/09/2026
Time	16:30– 18:00
Room	Bosforo
Format	Workshop
Language(s)	Italian/English

SUMMARY

The Integrated Monitoring and Forecasting System (SIM) aims to implement preventive measures for scheduled land maintenance and the maintenance or modernization of infrastructure, as well as to support continuous monitoring of the environment and territory at a national level in order to support interventions preventing climate change-related risks. It can make a valuable contribution to the Mediterranean Water Agenda, the multinational strategy for the sustainable management and protection of water resources in the Mediterranean basin. As a cutting-edge technological infrastructure unique in Europe, SIM perfectly aligns with the goals of climate resilience, cross-border cooperation, and digital transition promoted by the Mediterranean agenda, through the following operational pillars: Marine and Coastal Pollution Monitoring; Precision agriculture; Hydrogeological instability and water resources.

AGENDA & SPEAKERS

Silvano Pecora	Architettura SIM	MASE	Moderator
Tania Tellini	Gestione risorse idriche	Utilitalia	Speaker
Giovanni Coppini	Monitoraggio marino costiero	CMCC	Speaker
Giacomo Mocciaro (TBC)	Agricoltura di precisione	MASAF	Speaker
Martina Bussettini (TBC)	Resilienza climatica	ISPRA	Speaker
Luigi D'Angelo	Gestione delle emergenze	Dip Protezione Civile	Speaker
Laura D'Aprile	Closing remarks	MASE	Speaker

BACKGROUND & RATIONALE

SIM provides a national hydrological digital twin and operates at the intersection of the ecological and digital transitions, positioning itself within a landscape characterized by three main factors: 1) Information fragmentation, 2) Climate emergency and vulnerability, 3) Broadened Institutional Cooperation.

SIM architecture is structured around six vertical application domains and enables strategic advantages for both public governance and the private economic sector through Prevention and Mitigation of Territorial Risk and Marine pollution monitoring and sustainable use of water resources in agriculture.

OBJECTIVES

Knowledge of the Integrated System as a monitoring and forecasting tool, the importance of cooperation, future possibilities.

TARGET AUDIENCE

Policymakers, utilities, financing institutions, civil society, youth, technical experts

EXPECTED OUTCOMES

Recommendations, declarations, partnerships, follow-up actions