



MSCO
Modeling & Simulation Coordination Office

Fact Sheet

Coordinating Corporate & Crosscutting M&S for the U.S. Department of Defense

October 30, 2010

Environmental Representation Data Requirements for Modeling and Simulation

Overview

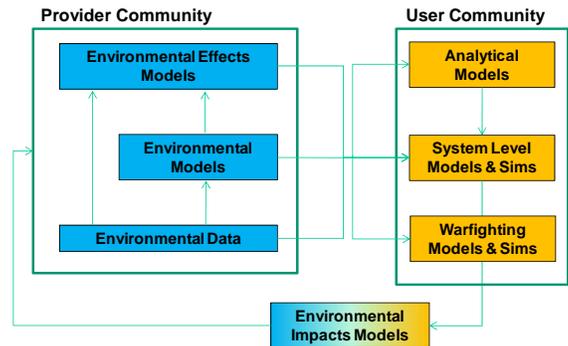
Across the Department of Defense (DoD), Modeling and Simulation (M&S) requires readily-accessible, rapidly-generated, multi-domain (atmosphere, ocean, space, and terrain) environmental representations and products. To ensure the nature and scope of these requirements are understood, the Modeling and Simulation Coordination Office (M&S CO), in conjunction with the M&S Executive Agents for Air & Space Natural Environment, Ocean, and Terrain, has initiated a cross-cutting assessment of M&S environmental representation requirements throughout the DoD.

In addition to characterizing environmental representation requirements for M&S, this assessment will:

- Analyze existing environmental representation data production and dissemination capabilities
- Identify gaps between environmental representation requirements and production capabilities
- Provide recommendations for the DoD M&S Enterprise Data Strategy based on the gap analysis

Methodology

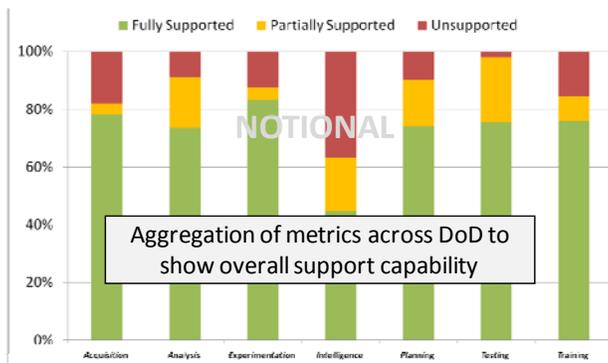
- Determine user requirements through an assessment of models and simulations used by the communities enabled by M&S
- Identify authoritative source data producer capabilities and products available for use in developing environmental databases
- Develop gaps between source data and user requirements to identify gaps and recommend enterprise data management solutions



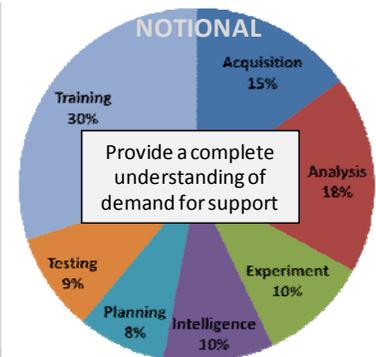
Outcomes

- Greater understanding of community needs and data support capabilities
- Ensures future projects are aligned with community needs
- Allows for more informed future investment decisions

Requirement Support Breakdown



Demand Signal Breakdown



To submit your M&S data requirements, contact M&S CO at mssc.secretariat@osd.mil.