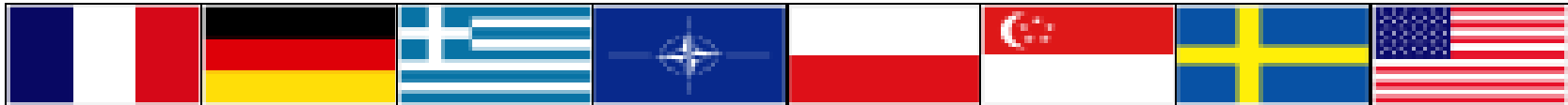




Multinational Situational Awareness Within the Extended Maritime Environment (MISA-EM)



Distribution Statement A

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Attn: CAPT Todd Flannery, Phone: 757-203-3878

LCDR Alejandro Ameneiro
Spanish Navy
Joint Concept Development & Experimentation
USJFCOM, J9

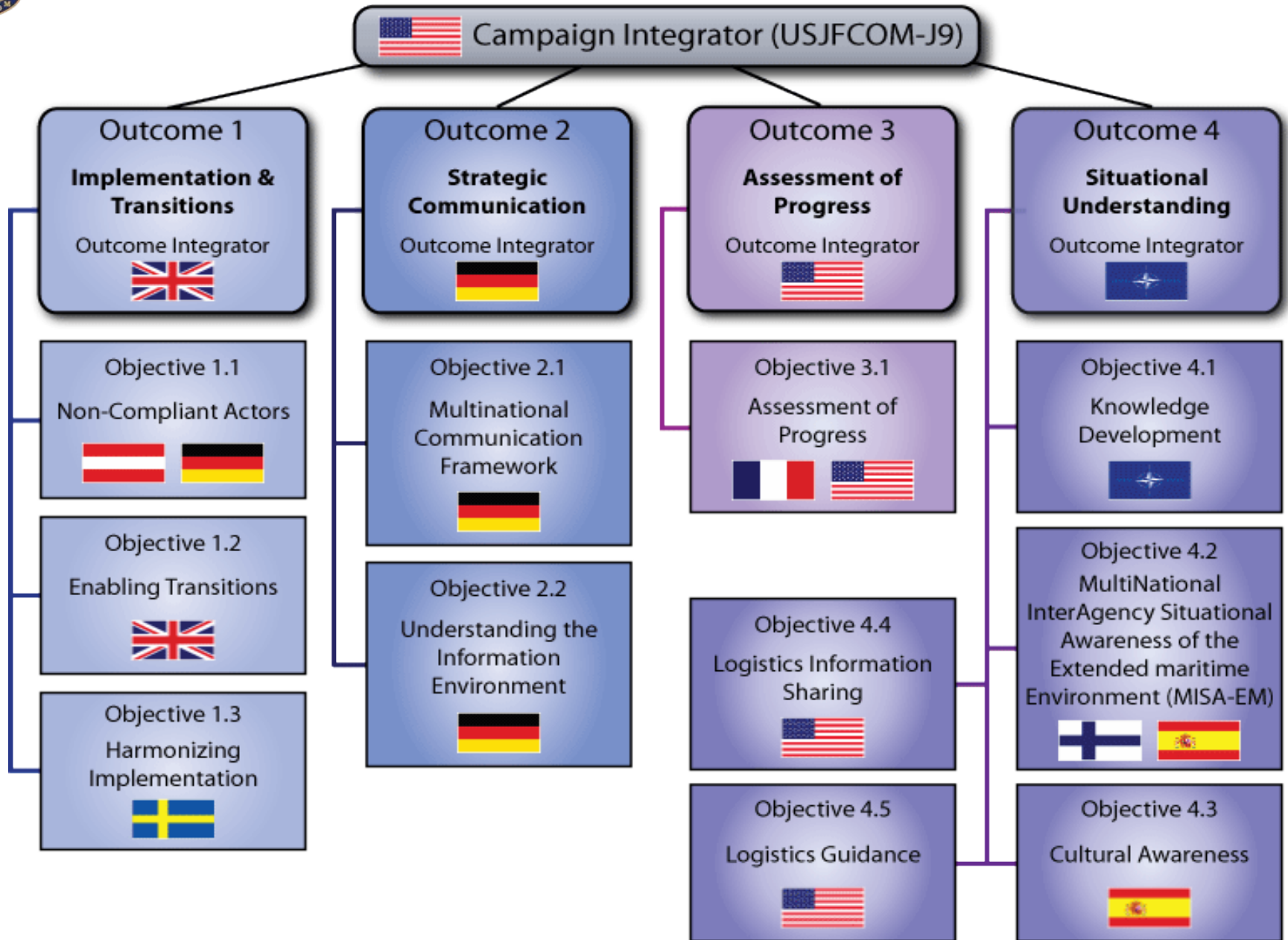


SUMMARY

- Introduction
- MISA-EM problem
- Ideas for achieving MISA-EM.
- Take aways

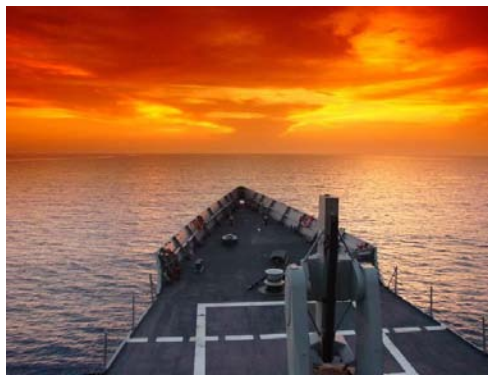


Multinational Experiment 6



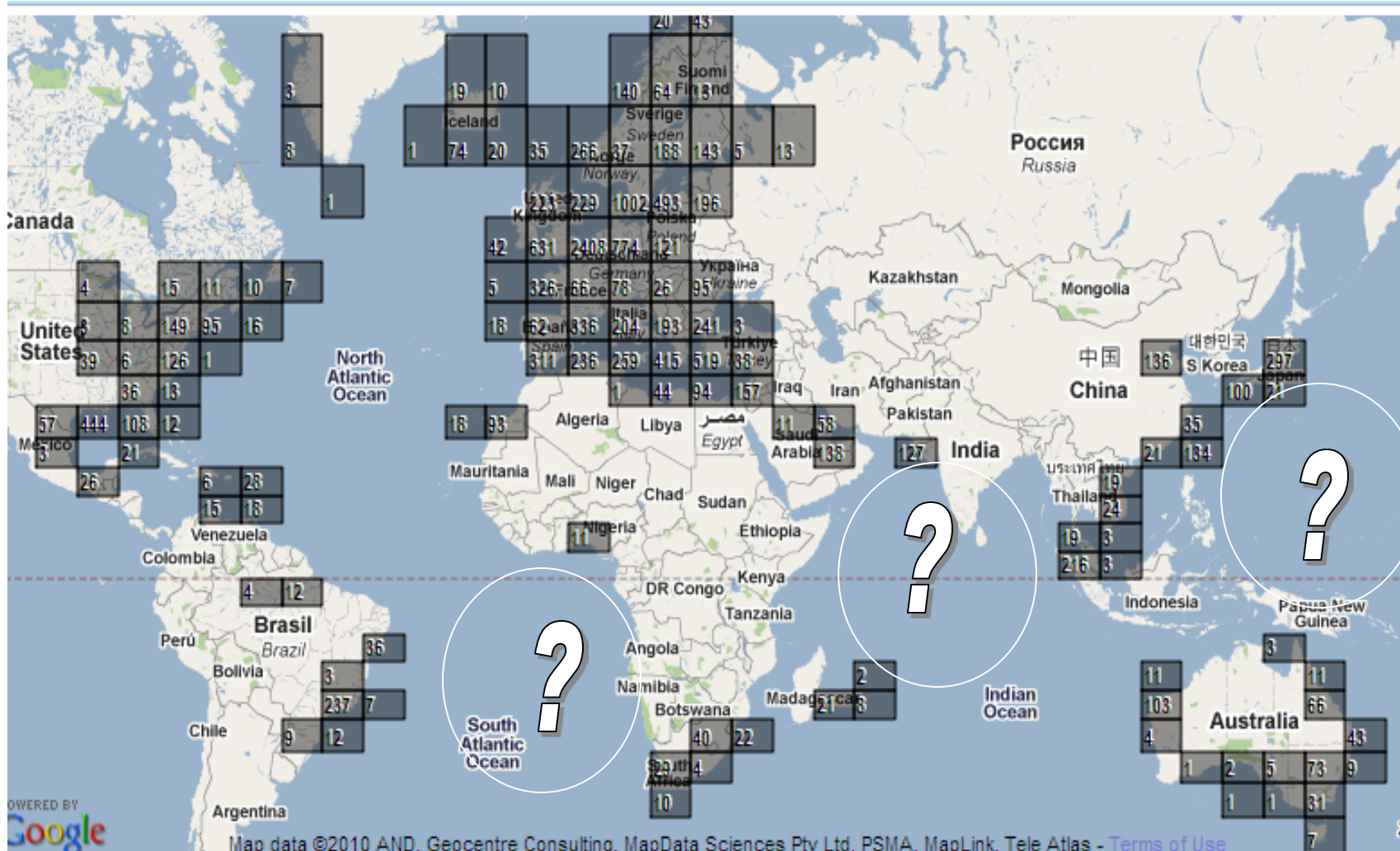


The Maritime Environment





Extended Maritime Environment or Unprepared Waters



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MISA-EM: Contributors and Participants

UNCLASSIFIED

• CONTRIBUTING PARTNERS:

• Countries (9):

- Germany
- Greece
- France
- Finland
- Poland
- Spain
- Sweden
- Singapore
- United States

• Organizations (2):

- NATO Allied Command of Transformation
- NATO CJOS COE.

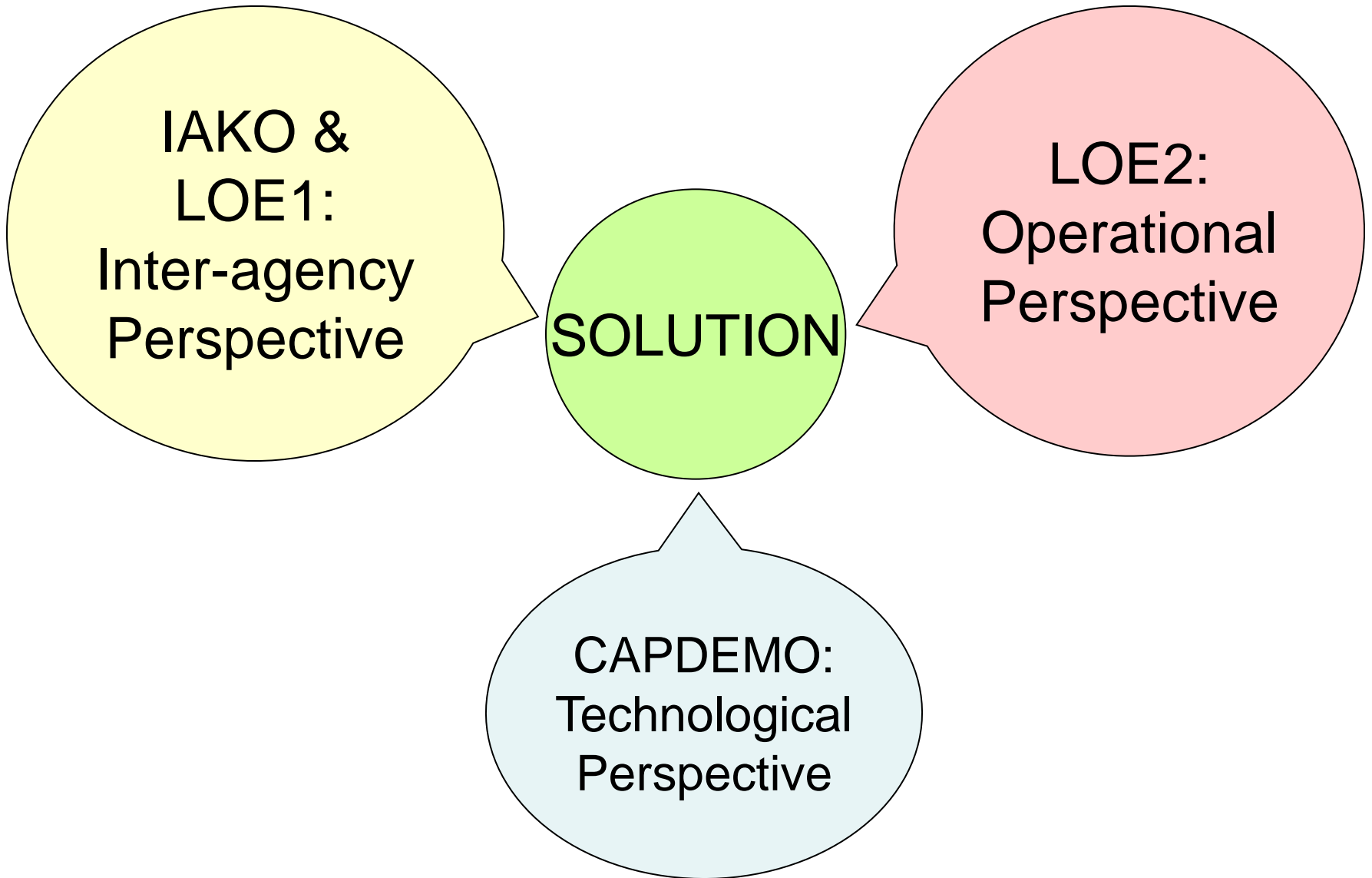
• EXPERTS FROM:

- EU Joint Research Centre
- European Union Military Staff
- EU Fisheries Control Agency,
- European Maritime Safety Agency
- European Defence Agency
- EU Satellite Centre
- NATO International Staff
- IALA
- University of Aalto
- University of Kymenlaakso
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- *Northern Marine Management Limited*
- FIN National Defence University
- SWE Coast Guard
- FIN Maritime Cluster
- ESP Maritime Cluster

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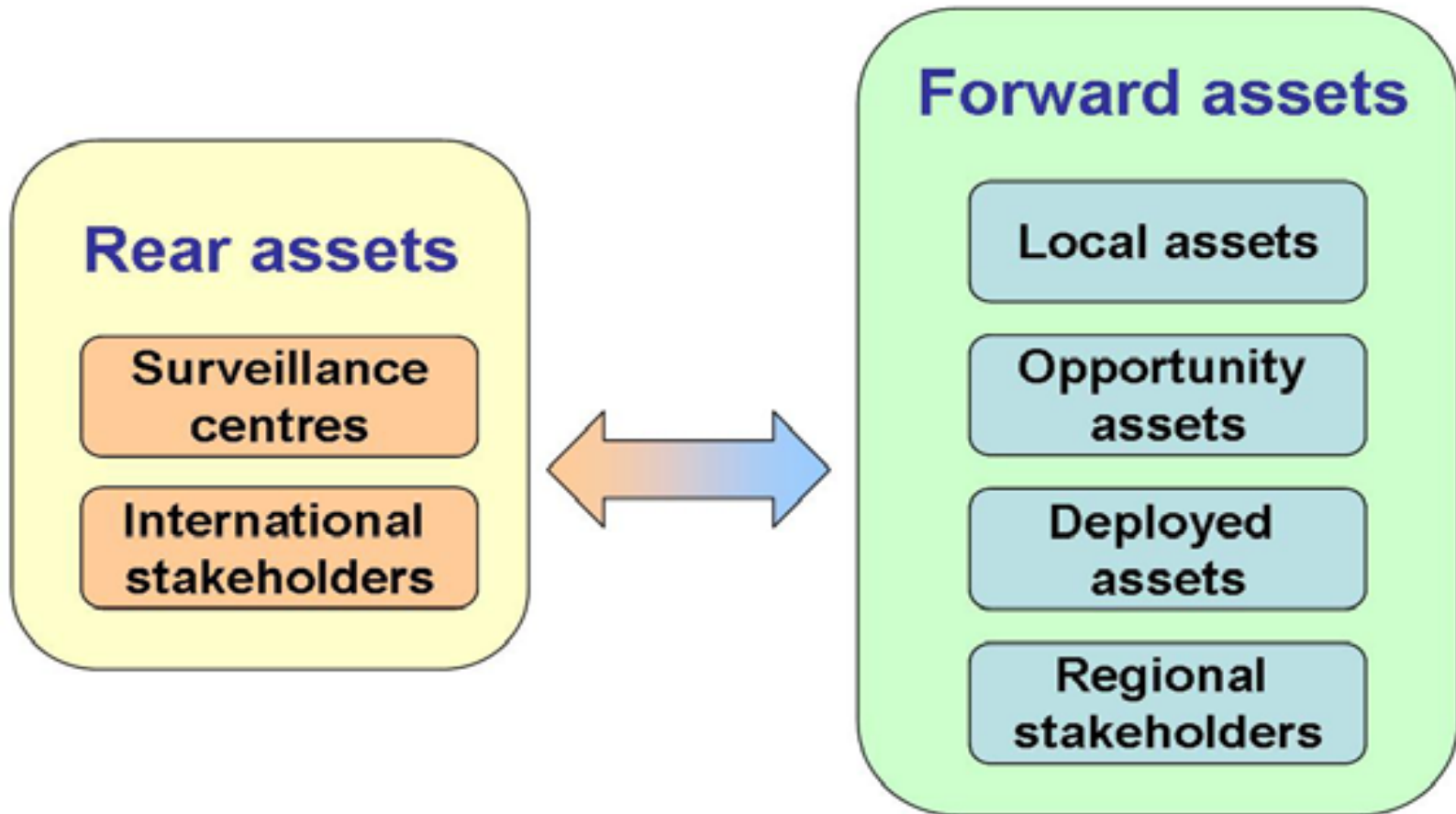


Solution Development & Assessment



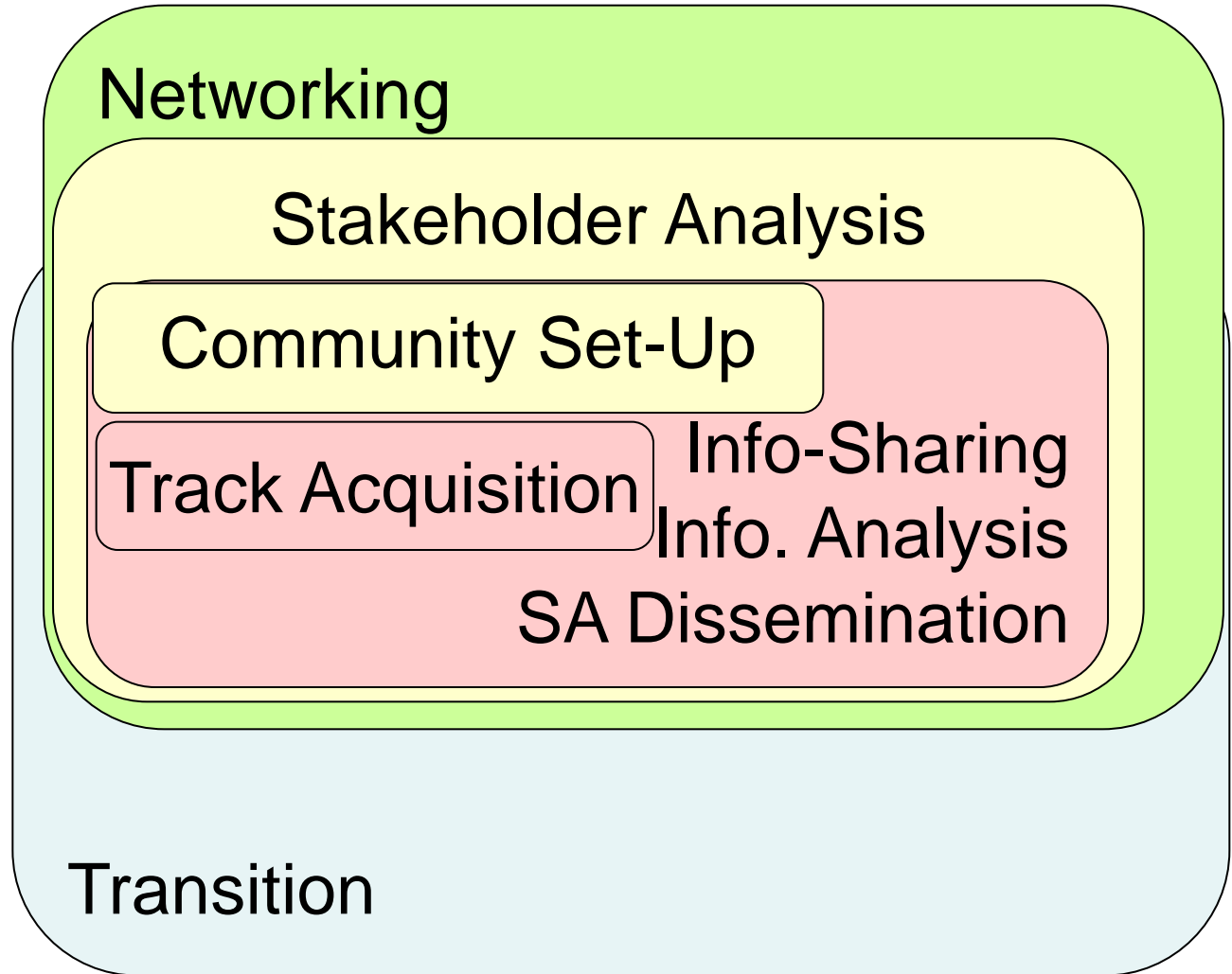
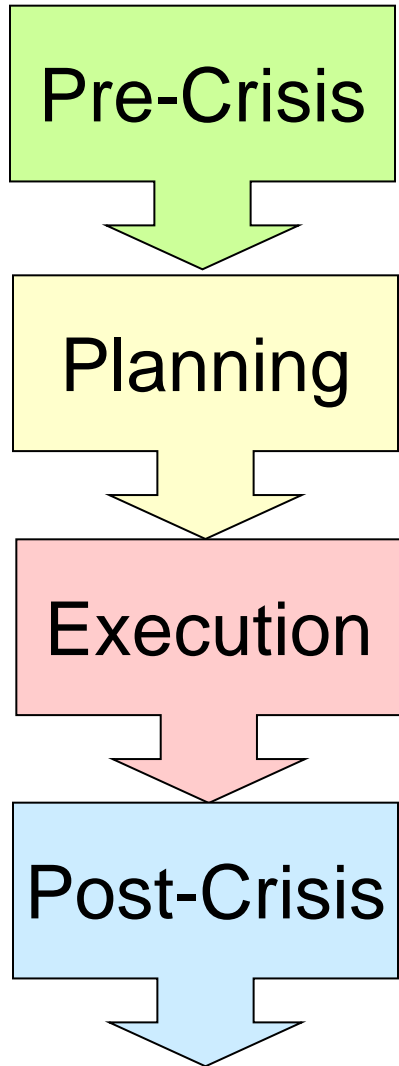


Basic Idea





MISA-EM Processes

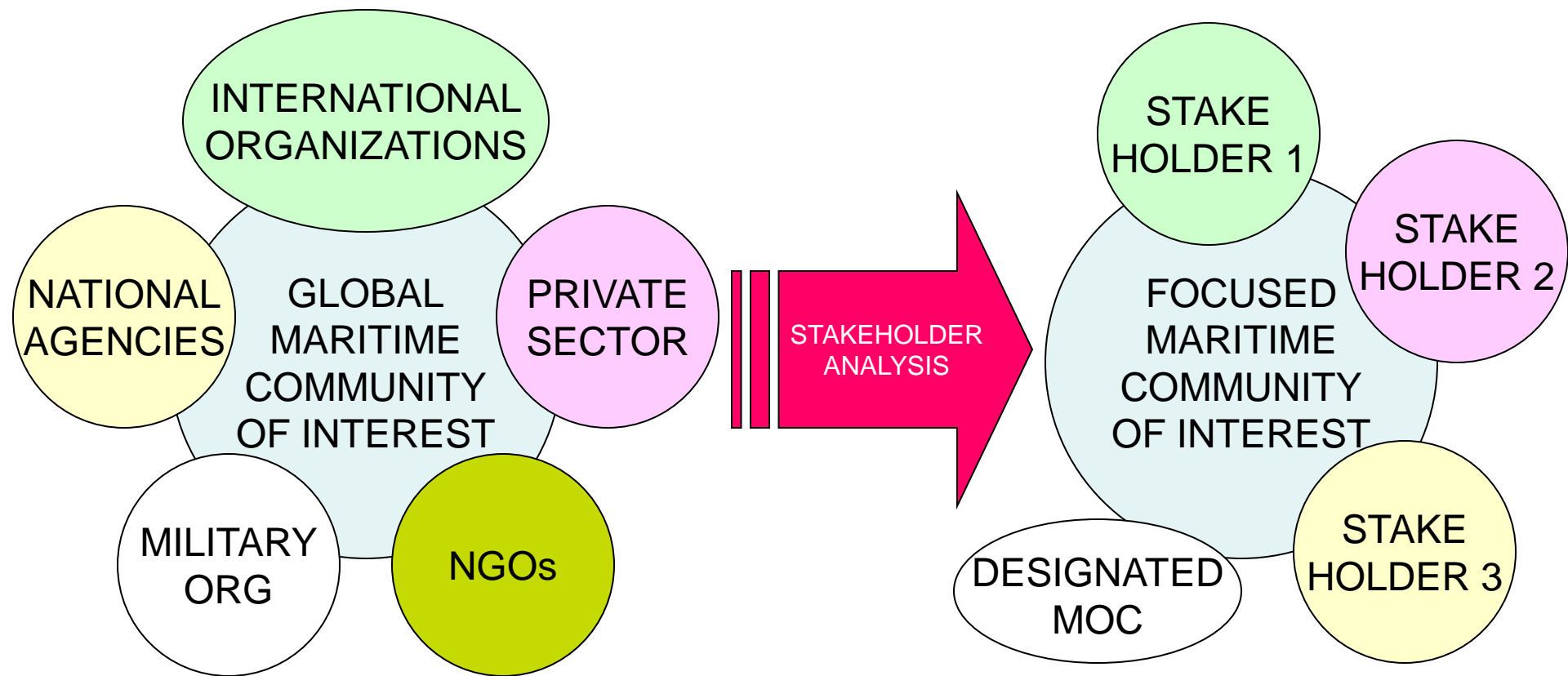




Networking...

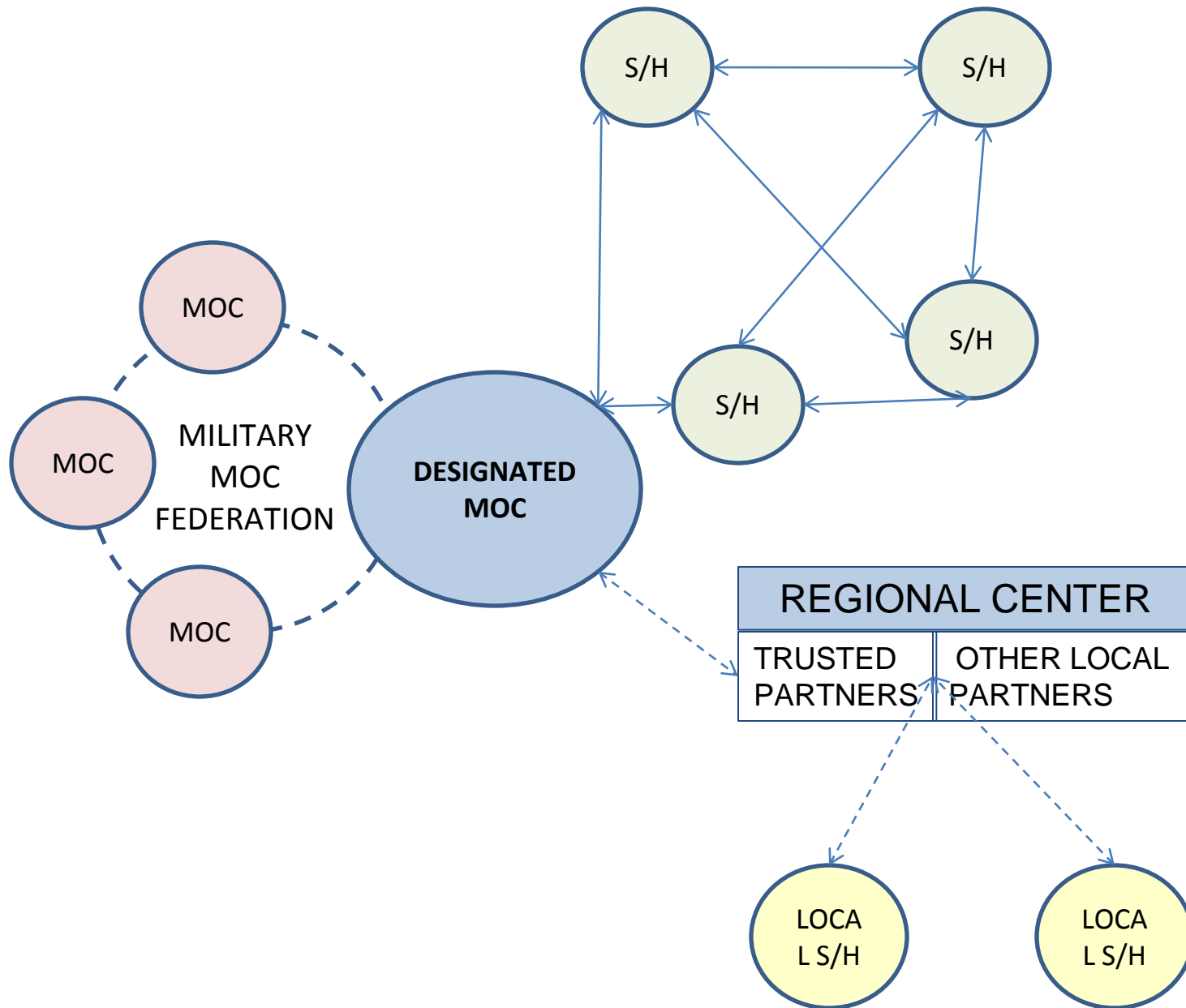
PRE-CRISIS

CRISIS



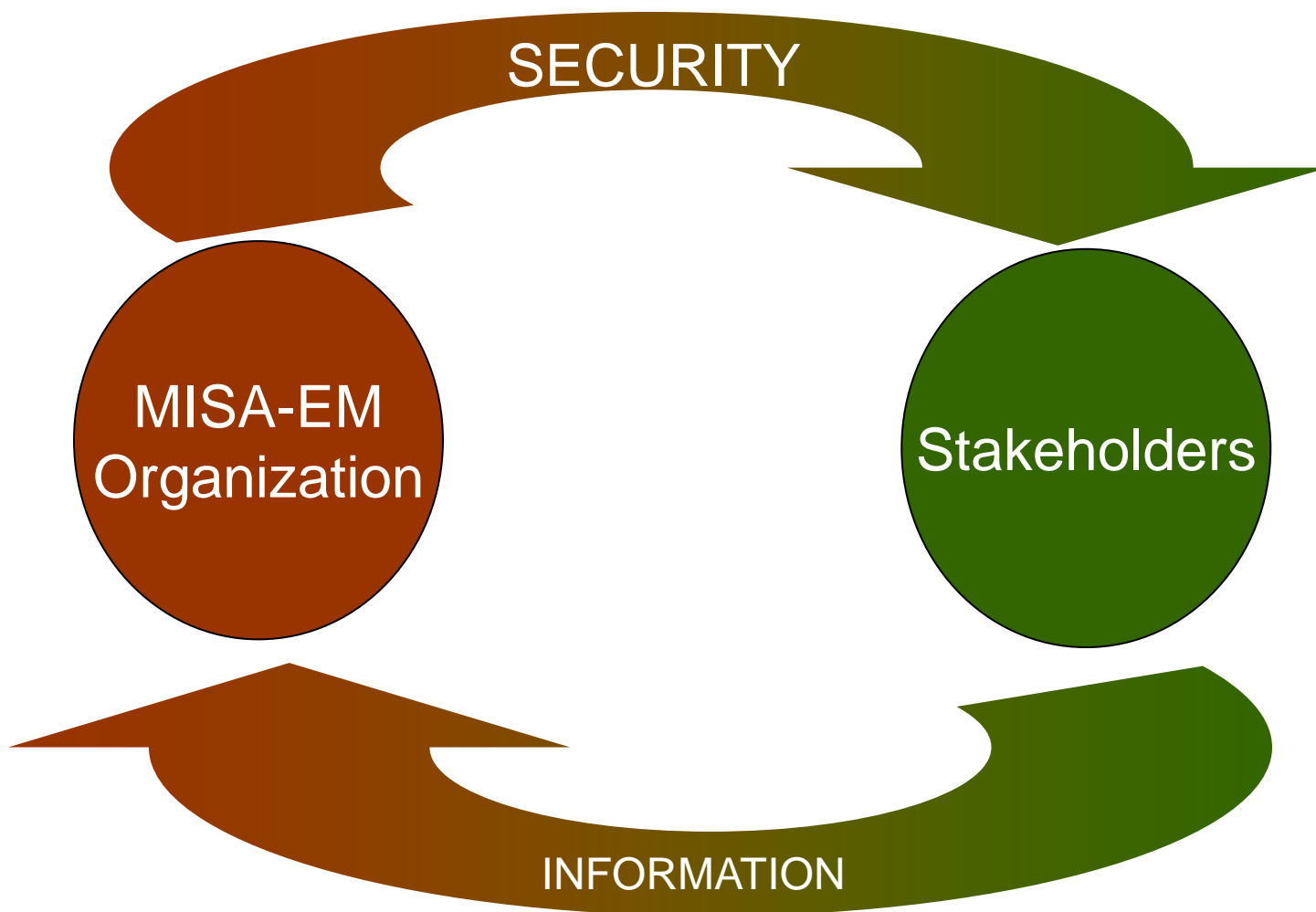


MISA-EM Structure



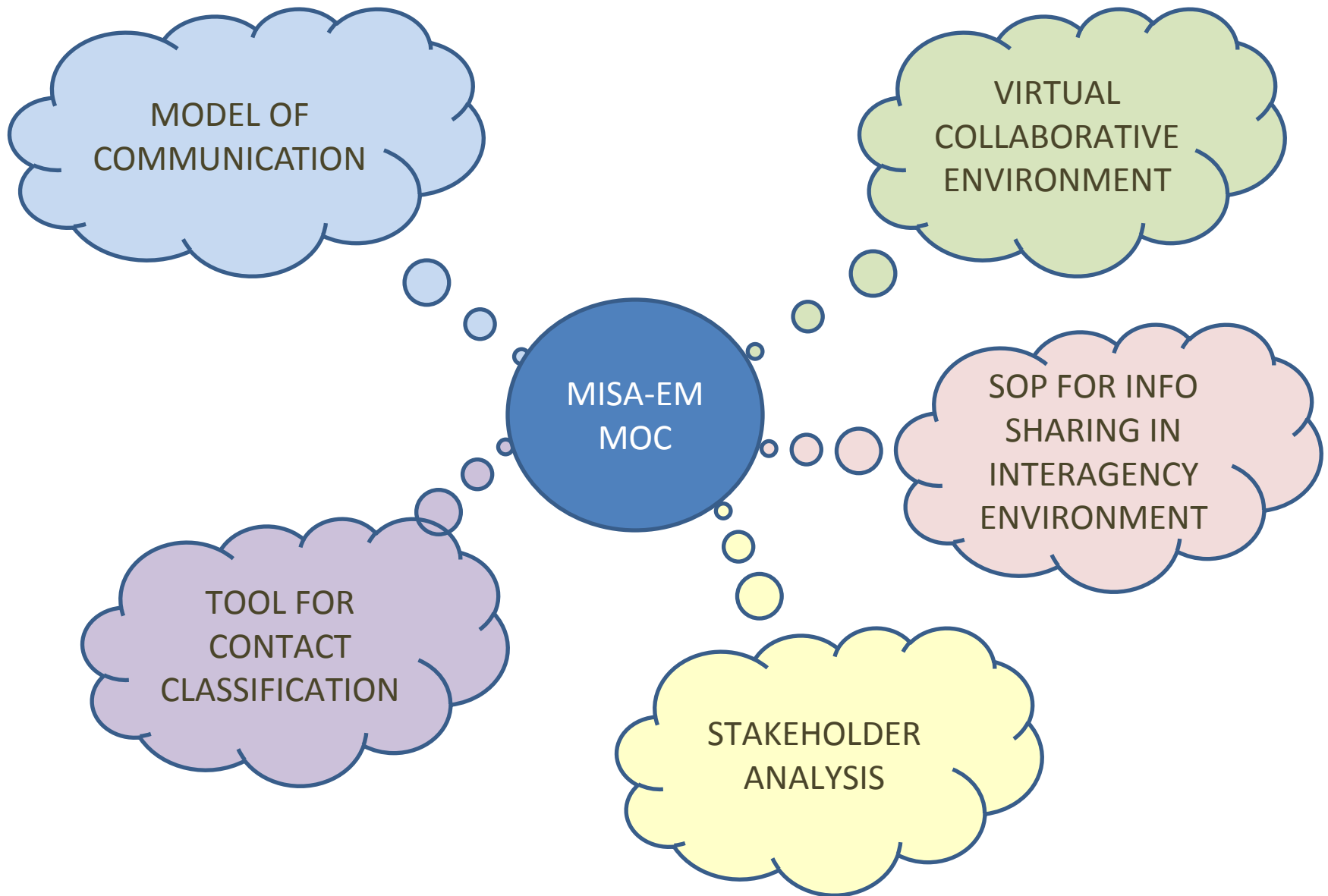


Information Sharing



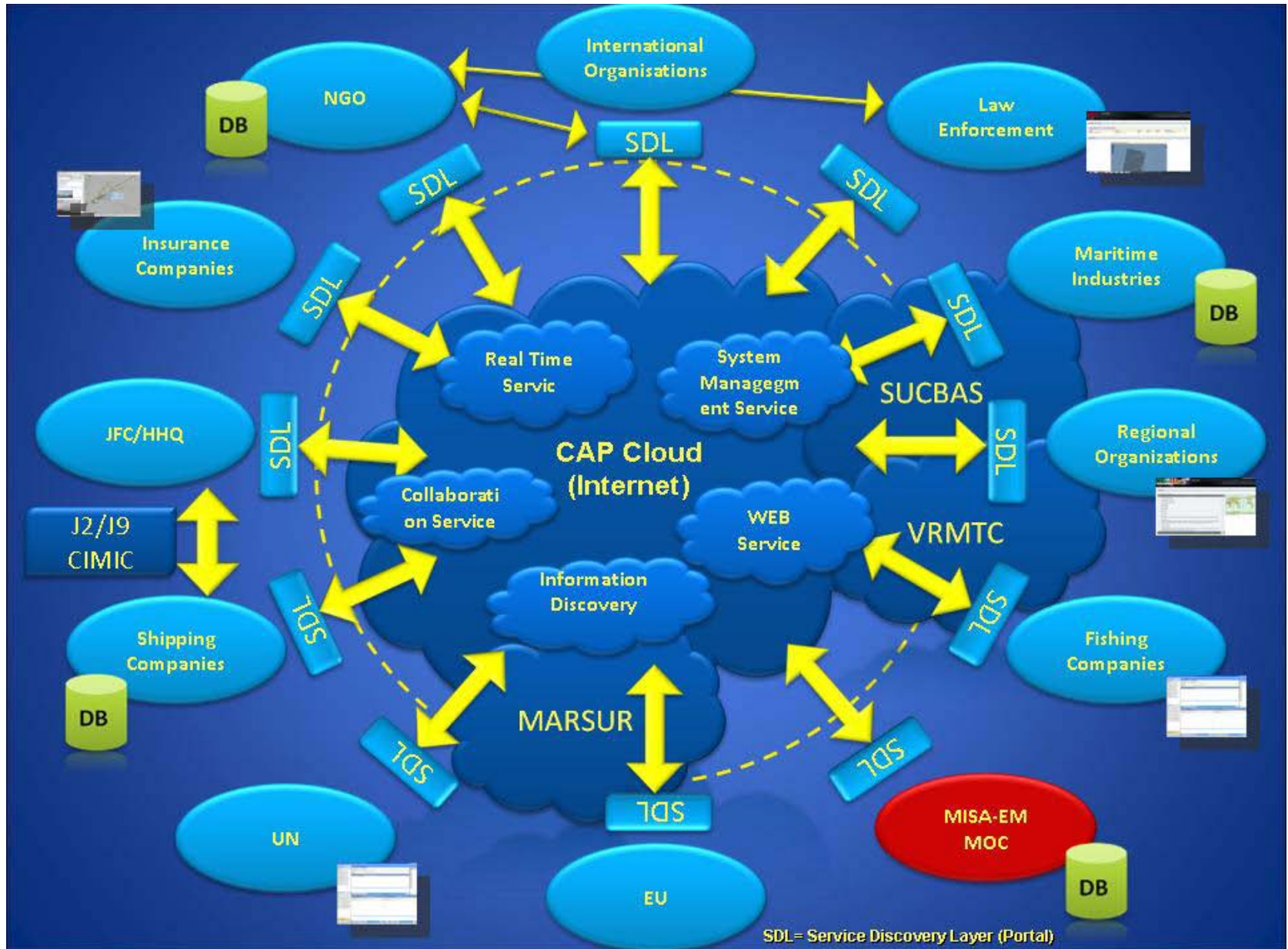


What Was Tested?





Technological Aspects



SDL= Service Discovery Layer (Portal)



Take Aways

- **INFORMATION SHARING BASED ON CONFIDENCE AND MUTUAL INTEREST.**
- **PREVIOUS NETWORKING FOR PROMOTING CONFIDENCE.**
- **STAKEHOLDER ANALYSIS AND COMMUNITY SET-UP WHEN A CRISIS ARISES.**
- **INFORMATION SHARING FOLLOWING SOCIAL NETWORKING FASHION (FACEBOOK - TWITER) SUPPORTED BY COLLABORATIVE TOOLS.**
- **DISTRIBUTED AND FEDERATED SYSTEMS AND SERVICE DISCOVERY TO PLUG NEW ACTORS INTO THE NETWORK.**

