



United States Joint Forces Command Intelligence Directorate (J2)

Presenter
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J2A/JIOC Director

Supporting the Joint Commander

- Developing joint concepts and experimenting
 - Find out what works for the future
- Ensuring military systems “talk” to each other
 - Fixing those that don’t, making new systems that do
- Training Joint Forces
 - From Headquarters Staffs to Individuals
- Providing deployable joint teams
 - A team available “right now” to meet Commander’s immediate needs
- Providing Joint Forces
 - Right mix of forces and equipment to get the job done



J2 Mission

Develop, integrate, train, and provide intelligence capabilities to meet present and future needs of the joint force

J2 Vision

Make Intelligence Battle-Ready



Today Informs Tomorrow ...

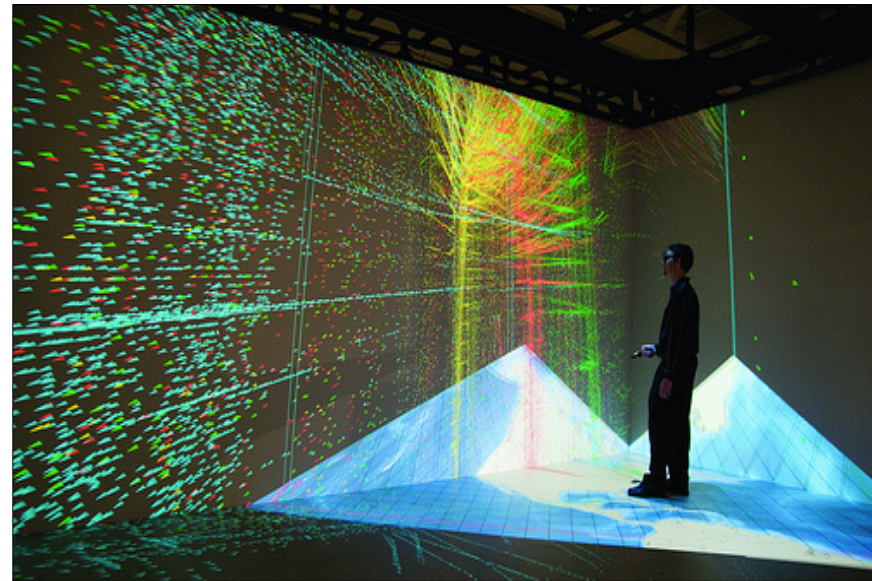


...Tomorrow Informs Today



Knowledge Advanced Visualization Environment (KAVE)

- Provides an agile, forward-looking information environment
- Combines Red & Blue Common Operational Picture
- Situational Awareness on troop deployment, ISR management
- Realistic immersion training



GEOINT for Operational Awareness and Decision Making

Representative layers

NRT Feeds

- Tracks
- Message (AMHS, M3, Freertext and USMTF)
- RSS (Really Simple Syndication)
- Weather

Defense Layers

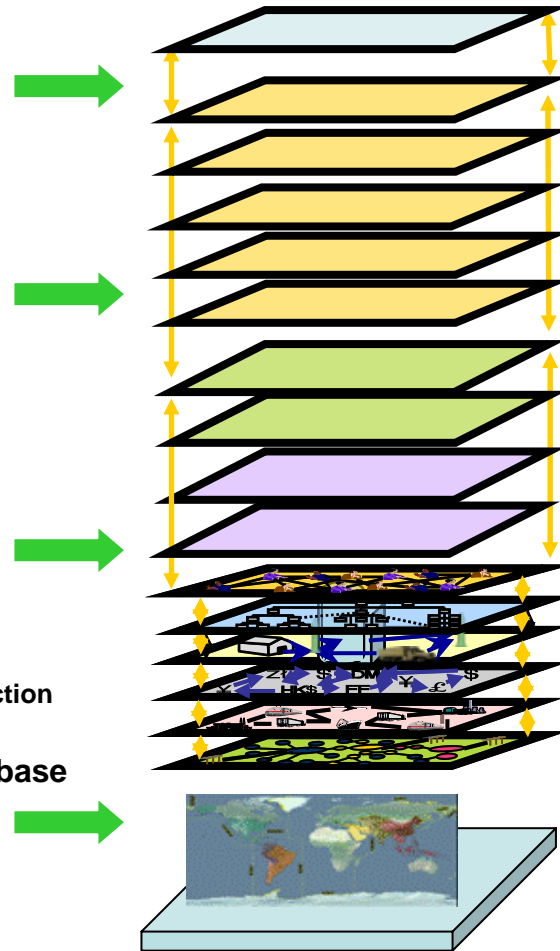
- SAM/SSM
- AOB/GOB/NOB
- Collections
- Assessments
- Targeting

Cross-functional Data Layers:

- UN, Host Nation and NGO
- Regional Cooperation Relationships
- Climate, ecosystem applications
- Water and land management
- Demographic, Human terrain
- Population, refugees and migration
- Logistics plans and operations
- Medical
- Operational plans and Courses of Action
- Checkpoints, MSRs, LOCs

Shared Foundational Geospatial Database

- Map data
- Imagery data
- Elevation data
- Infrastructure



Common access to authoritative information across all domains viewed using standards-based applications

Data, Information and Products



Net-enabled, Leader-Centric Operational Picture

(Global Command Control System – Joint, Command Control for Personal Computers, Command Post of the Future, Google Earth, ArcIMS)

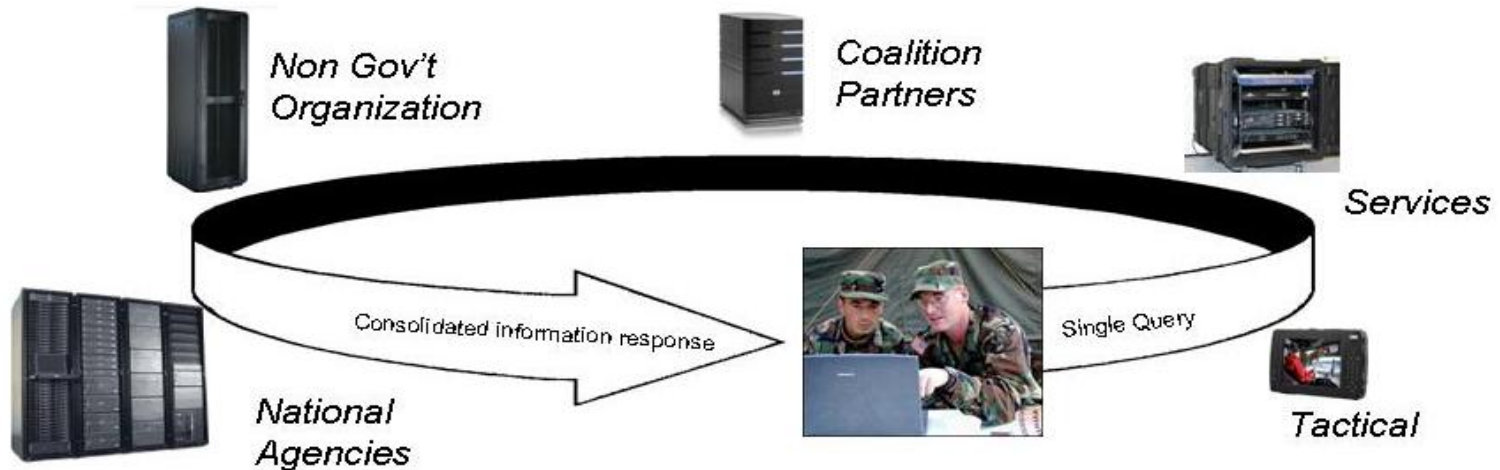
Security on an Unclassified Environment



Standardizing Metadata

- Foundational to working in a Coalition Environment
- 43 Nations, 20+ Networks = Afghan Mission Network
- Machine to Machine Communications

Metadata Usage, Standardization, and Translation permits expanded results from single query



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Joint Intelligence, Surveillance and Reconnaissance (JISR)

Major General Jaap Willemse RNLAF
Assistant Chief of Staff C4IN
Allied Command Transformation



The need for change – both cultural and technological:

- ***Create a Single ISR Environment***
- ***Easy Access at any level***
- ***Need to know vs Need to share***
- ***Information Management***
- ***Different data types***
- ***Volume of information***



***A FRAMEWORK IS REQUIRED THAT ALLOWS
SENSORS, PLATFORMS, TASKERS AND DECISION
MAKERS TO OPERATE SEAMLESSLY***

- **Standardized data/metadata harmonization**
- **Synchronization of databases**
- **Common interfaces and exchange mechanisms**



***A FRAMEWORK IS REQUIRED THAT ALLOWS
SENSORS, PLATFORMS, TASKERS AND DECISION
MAKERS TO OPERATE SEAMLESSLY***

- Need to work cross-domain
- Lowest level of classification
- Security assurance

- MAJIIC
- CENTAUR



NATO's cave may not be USJFCOM's KAVE



But we're focusing on ensuring interoperability as Alliance nations develop similar capabilities



What does the JISR Community Need from Industry?

- **Understand the Operator**
- **“Smarter Push and Smarter Pull”**
 - ◆ ***Alerts***
- **Better machine/machine interface**
- **Better human/machine interface**
- **Automation that simplifies and speeds up**
 - ◆ ***Tagging, sorting, dissemination***
 - ◆ ***Target recognition***
 - ◆ ***Fusion, analysis***



Questions?