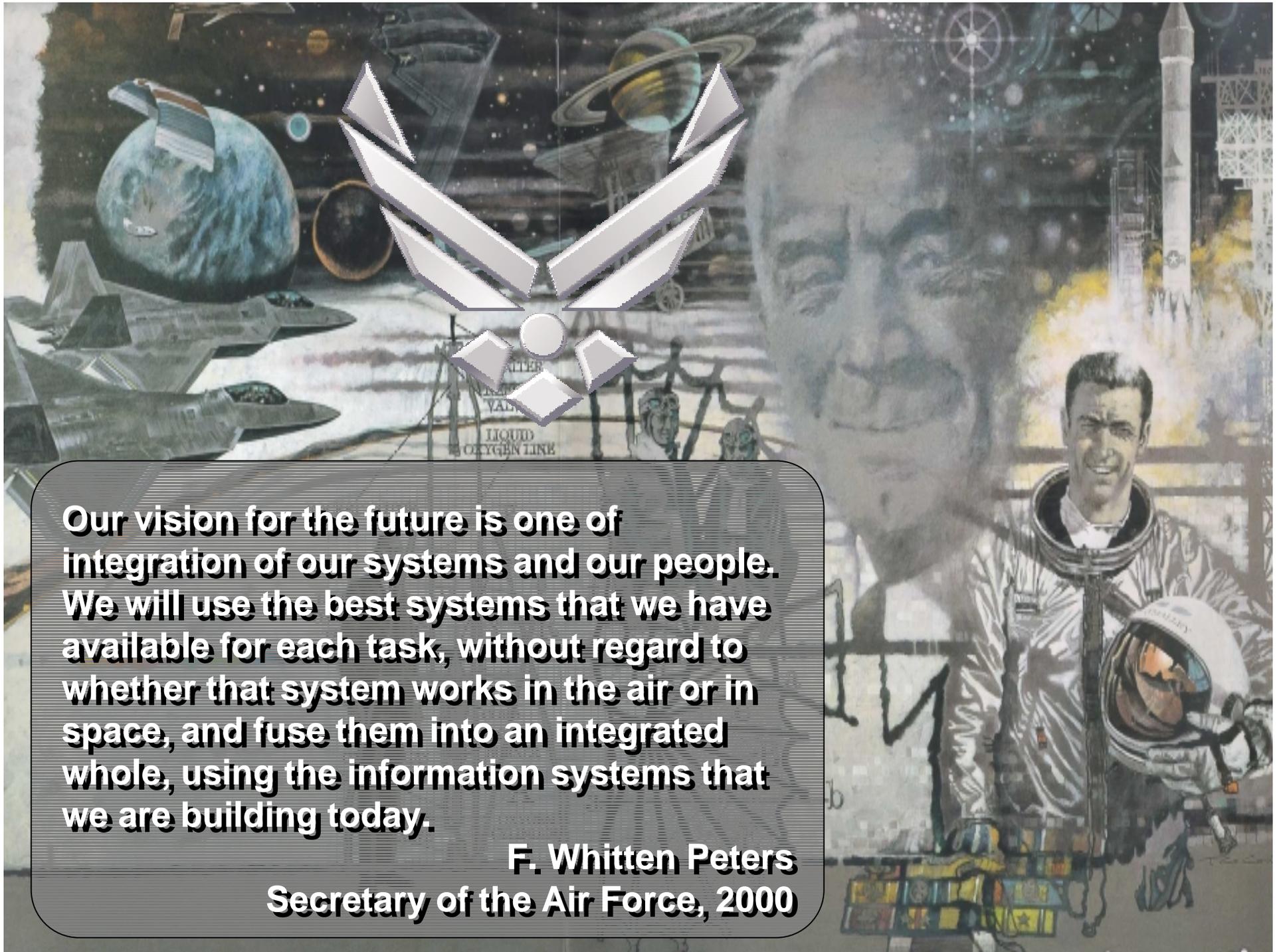


UNITED STATES AIR FORCE

Presentation to DMSO Industry Days - May 23, 2000

Air Force Modeling & Simulation

Dr. Jacqueline Henningsen
Associate Director Modeling, Simulation, & Analysis
Deputy Chief of Staff Air & Space Operations
United States Air Force



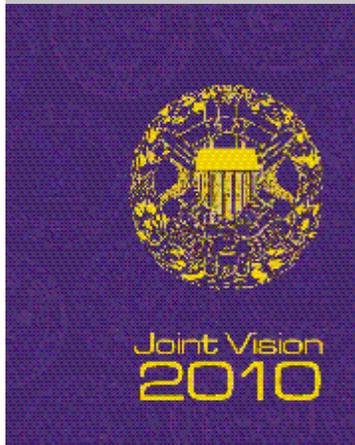
Our vision for the future is one of integration of our systems and our people. We will use the best systems that we have available for each task, without regard to whether that system works in the air or in space, and fuse them into an integrated whole, using the information systems that we are building today.

**F. Whitten Peters
Secretary of the Air Force, 2000**

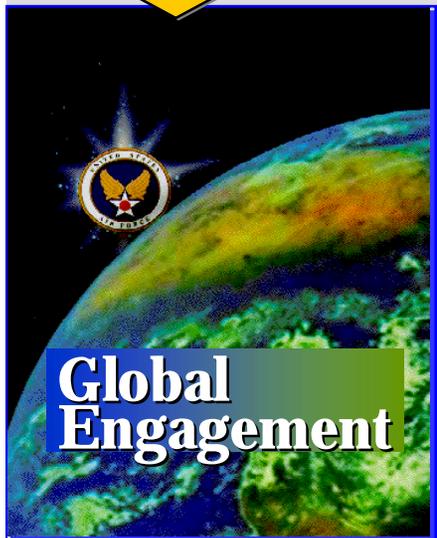
Joint and Service Vision



Integration



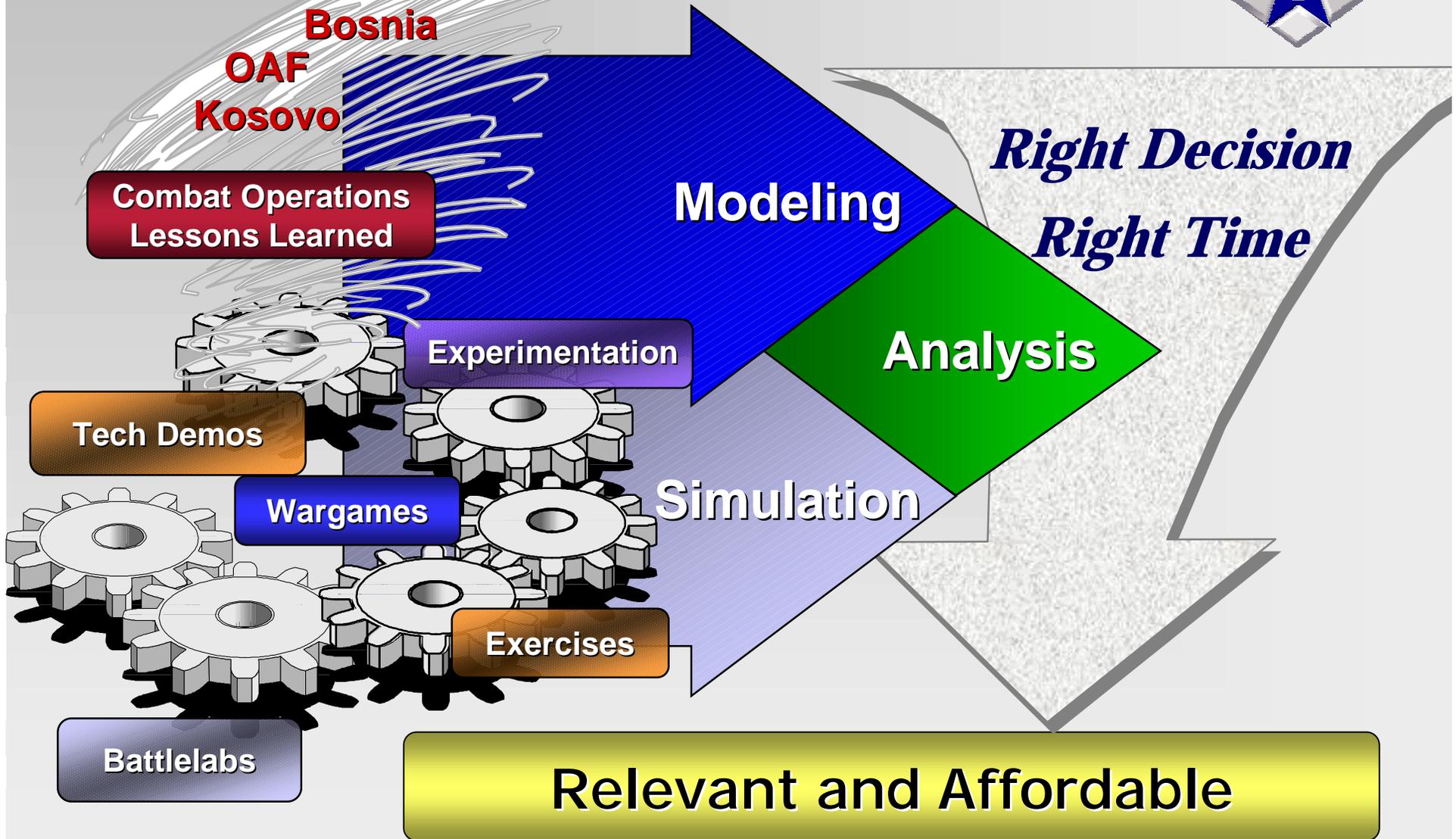
National
Military
Strategy
**Full
Spectrum
Dominance**



USAF Core Competencies

Air and Space Superiority
Information Superiority
Global Attack
Precision Engagement
Rapid Global Mobility
Agile Combat Support

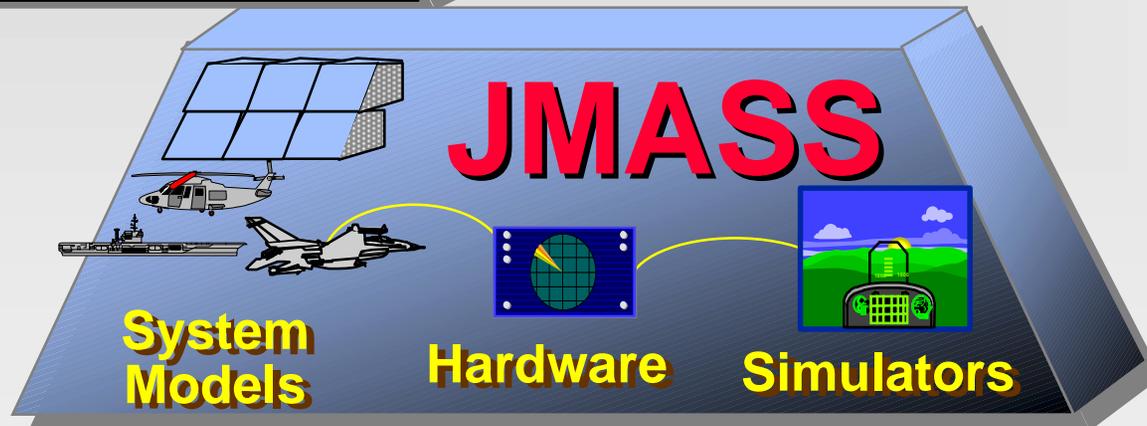
Key Enablers of the Vision: Achieving Consistency Across Multiple Methodologies



Key Enablers of the Vision: Successful development of Joint M&S programs



- Joint
- Re-Useable
- Interoperable
- Credible



Key Enablers of the Vision:

Providing appropriate, effective policy, guidance, and standards



- MS&A AFIs changing to functional approach

Modeling & Simulation
AFPD 16-10

M&S Supporting
Acquisition
AFI 16-1002

M&S Supporting
Test

M&S Supporting
Intelligence

M&S Supporting
Logistics, Space...

- MS&A Strategic Plan in work
- Will replace 1996 Master Plan

Key Enablers of the Vision: Centers of Excellence in Government and Industry

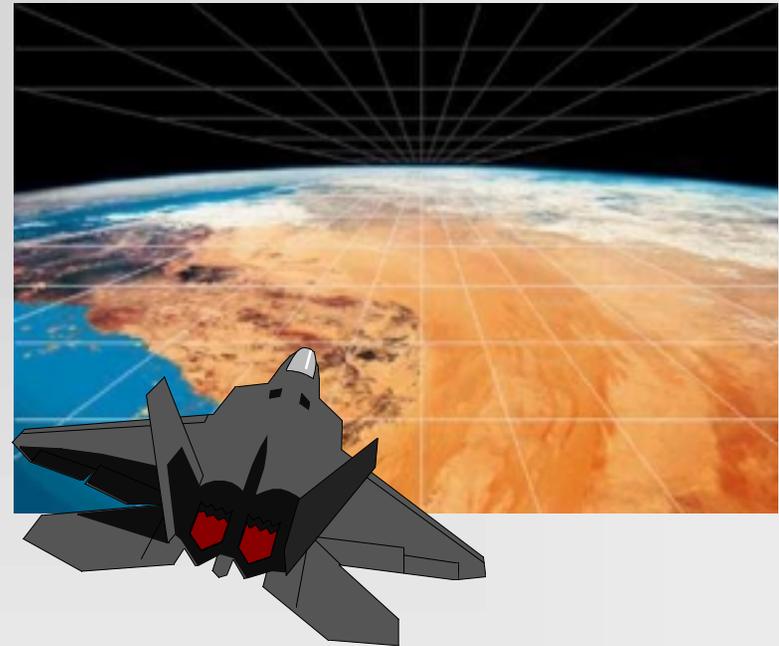


Key Enabler: Air Force Agency for Modeling & Simulation (AFAMS)



Air Force Mission Directive 56

- Implement AF / Joint / DoD M&S Policy and Standards
- Coordinate and Manage Major M&S Programs and Initiatives
- Support Corporate AF M&S Operations
- Promote M&S Technology Improvement and Innovation



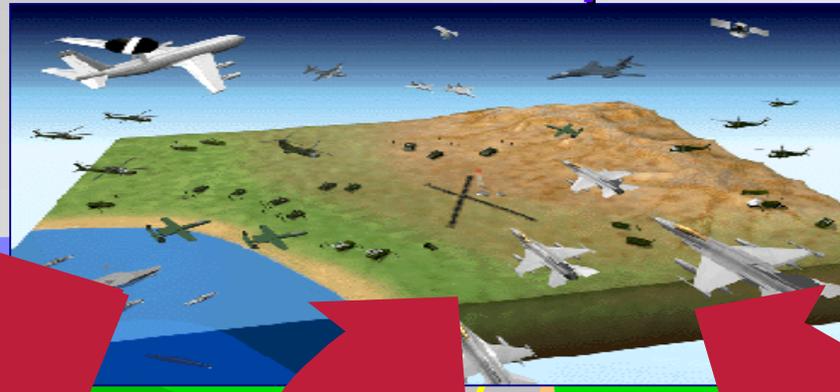
**AFAMS Activated in Orlando
3 Jun 96**

Air Force MS&A Roadmap



the Vision ...

M&S providing unrestricted opportunities to explore and achieve Full Spectrum Dominance



**Combat
Ready
Forces**

**Optimized
Weapon
Systems**

**Accurate
Aerospace
Capability Analysis**

Enable Air Force Centers of Excellence to create a seamless, realistic environment that provides on-demand access to selected portions of the operational domain in sufficient fidelity to allow warfighters the opportunity to explore and determine ways to dominate and control situations across the full range of military operations

The M&S Vision since 1996

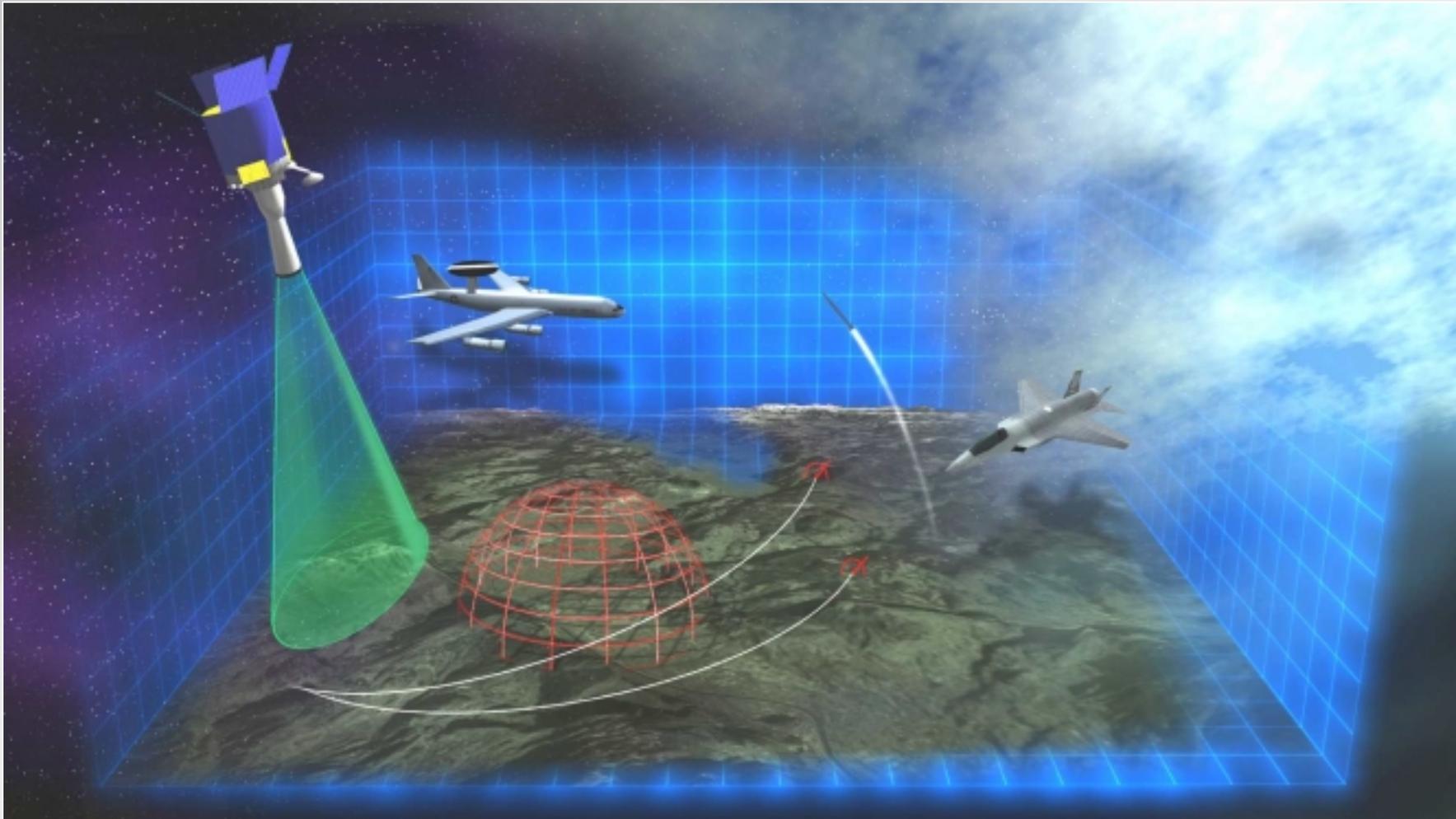
... a Joint Synthetic Battlespace



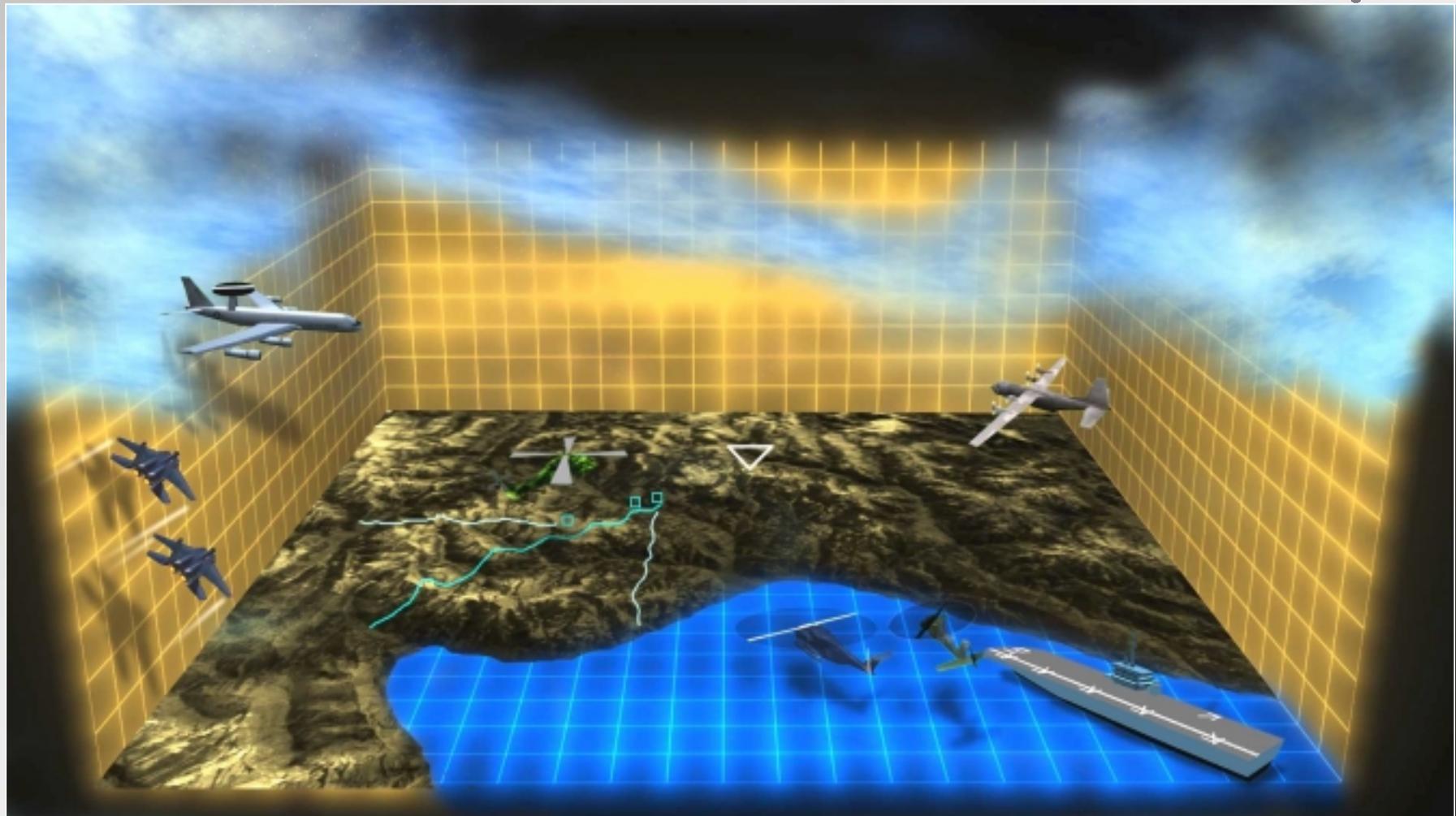
- Supporting multiple functional areas
- Through Live, Virtual, and Constructive Simulation
- With Joint, Interoperable, Re-useable models



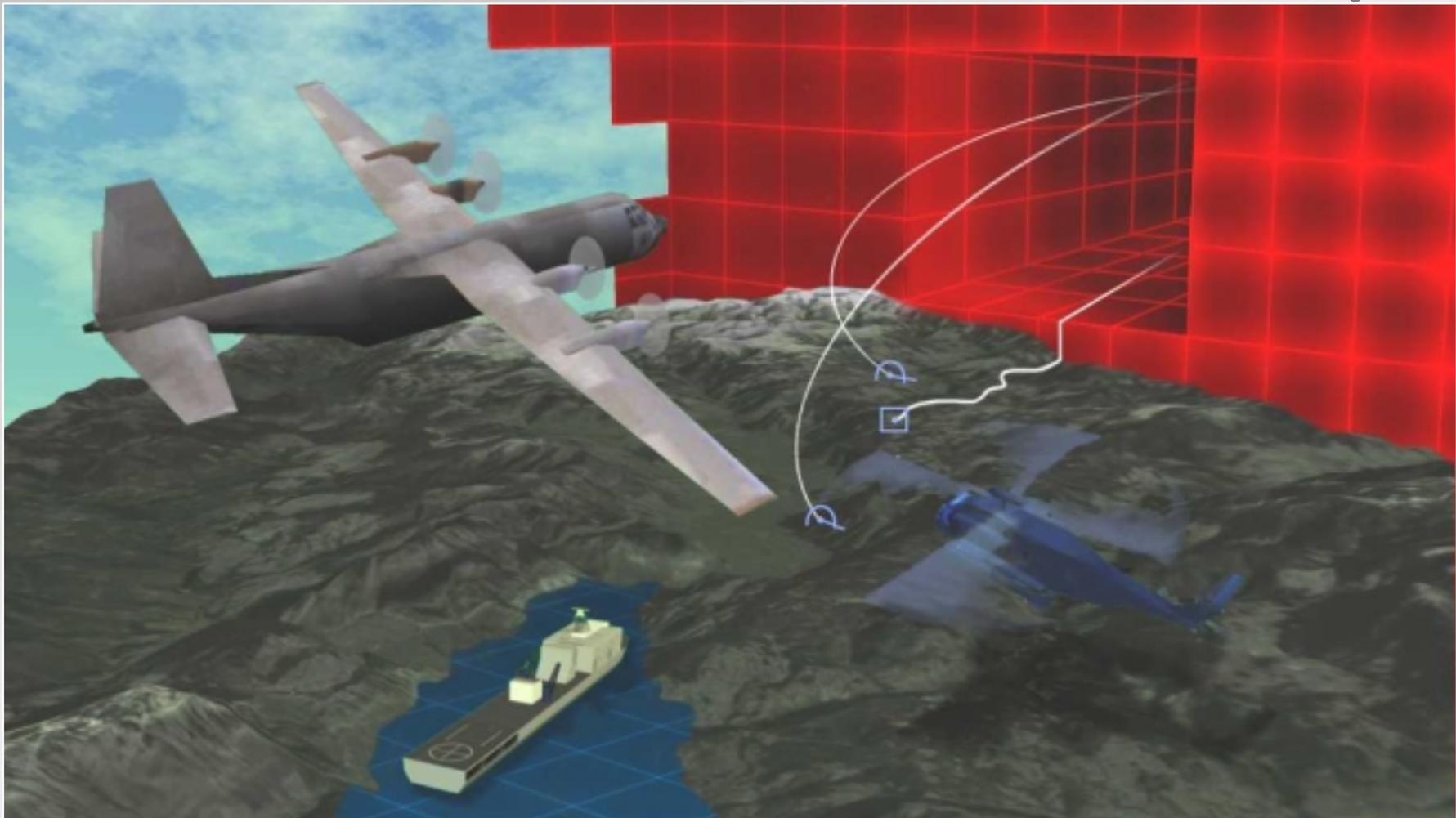
Imagine: Acquisition Based Evaluations



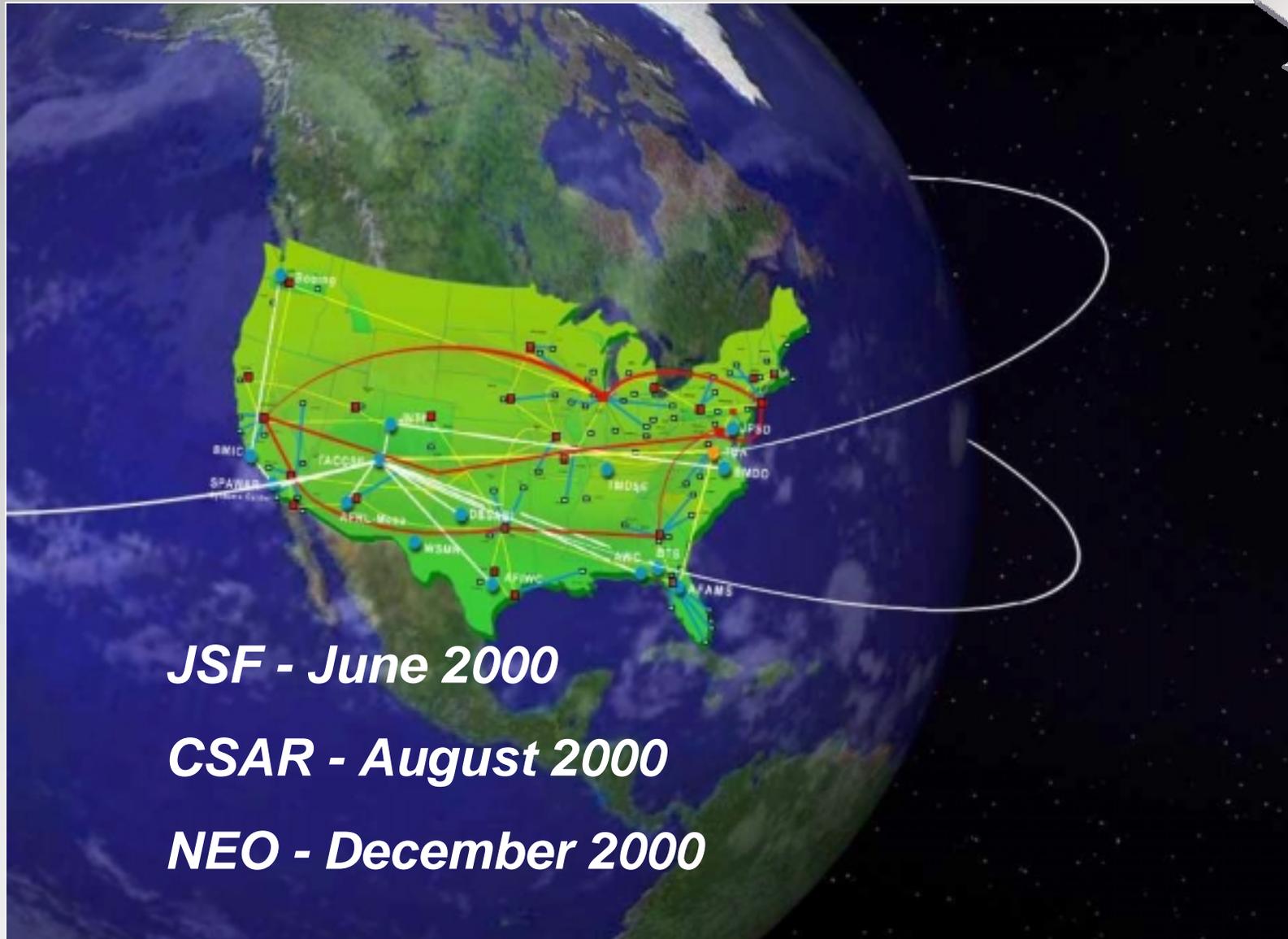
Imagine: Mission Rehearsals



Imagine: Disaster/Humanitarian Relief Rehearsals



Imagine: Doing it All Today!



JSF - June 2000

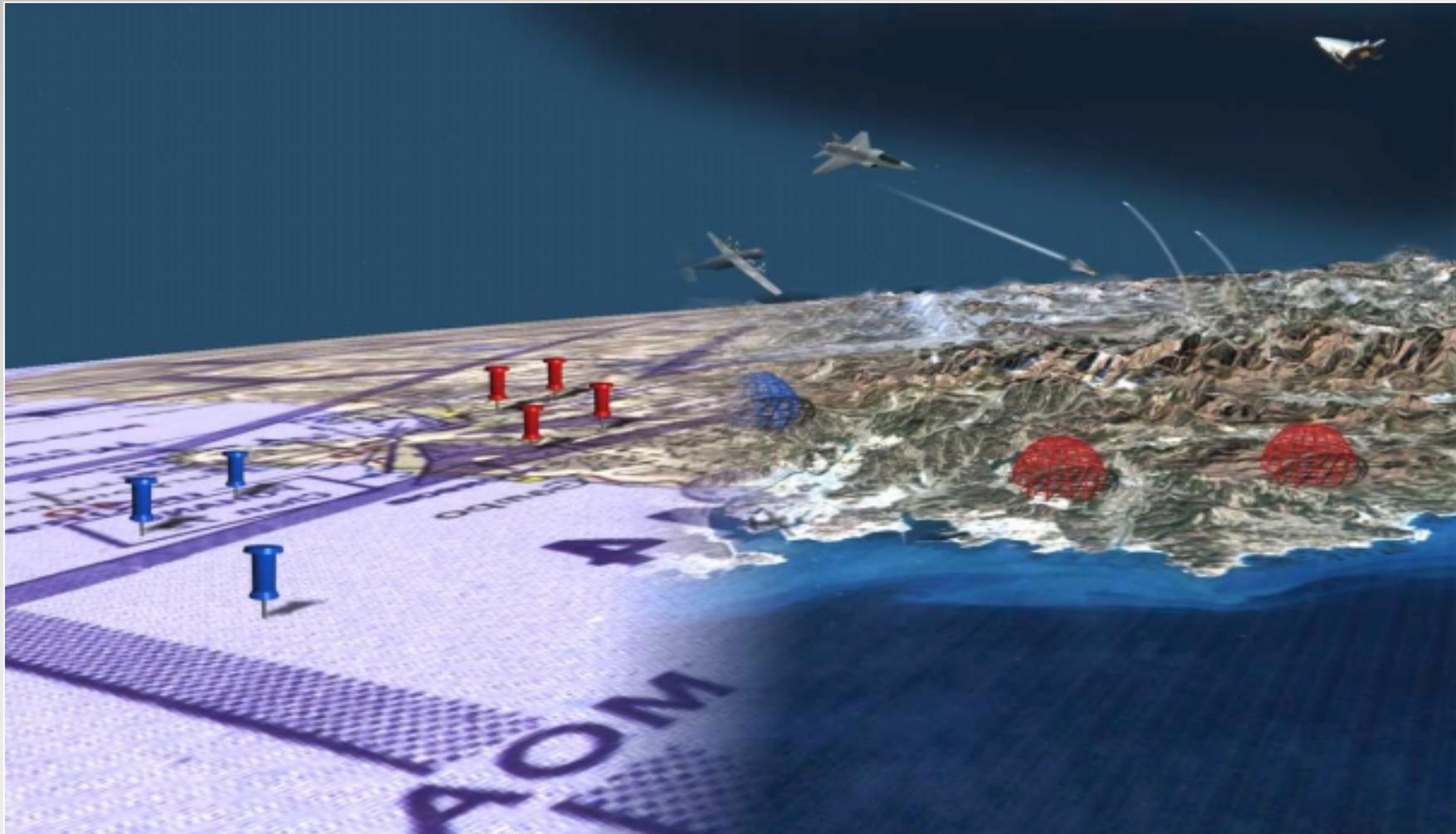
CSAR - August 2000

NEO - December 2000

How is this Better?

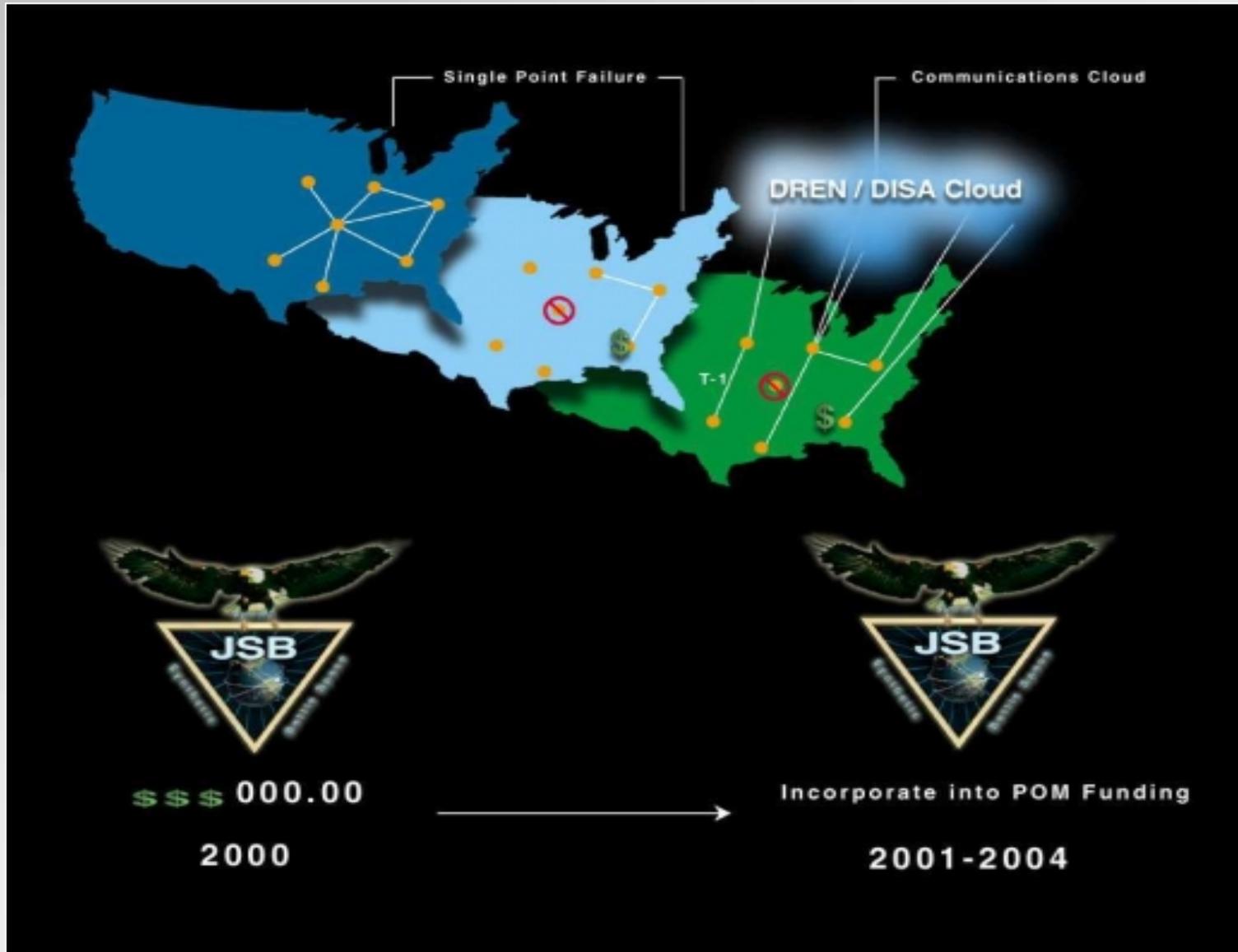


Present \longrightarrow Future



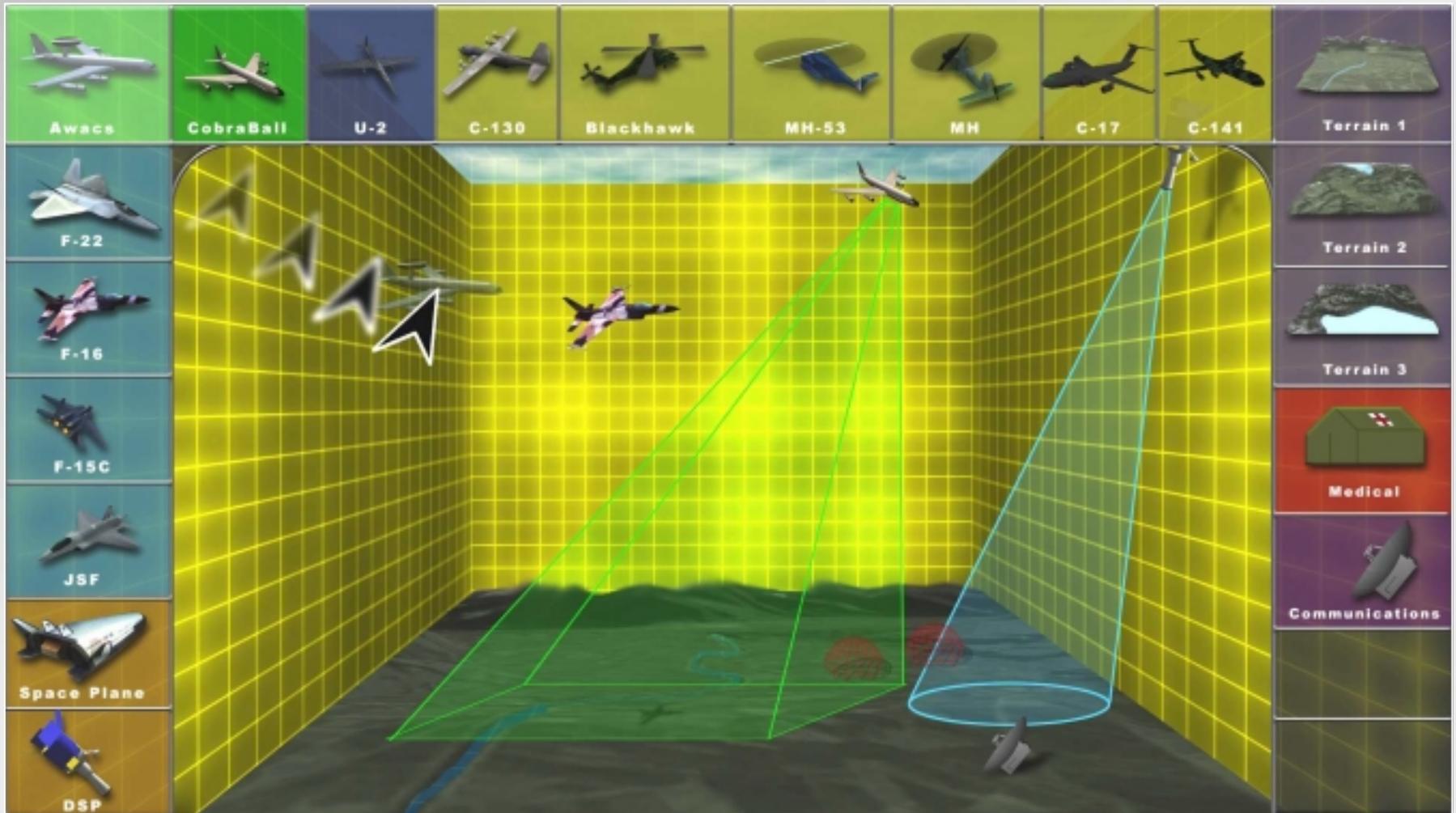
... but not Effortless

Challenges



It's your Holodeck. How do you want to play?

Need your engagement to make this a reality.



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***Air Force
Modeling & Simulation***

Contributing to the Integration of
our Systems and People
for the Expeditionary Aerospace Force