



Focus Area Forum: Data Science/Decision-Making and C4I

Opening Remarks

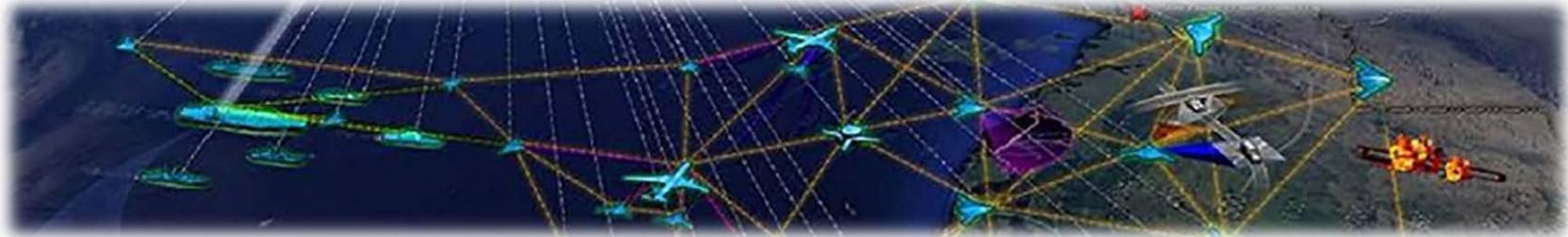
*RADM Matthew Klunder
Chief of Naval Research*



The Operational Imperative

Watch Chain

Kill Chain



*Leverage Data Science to
Support Tactical Mission
Planning and Execution*

Data Science



Electromagnetic Maneuver Warfare

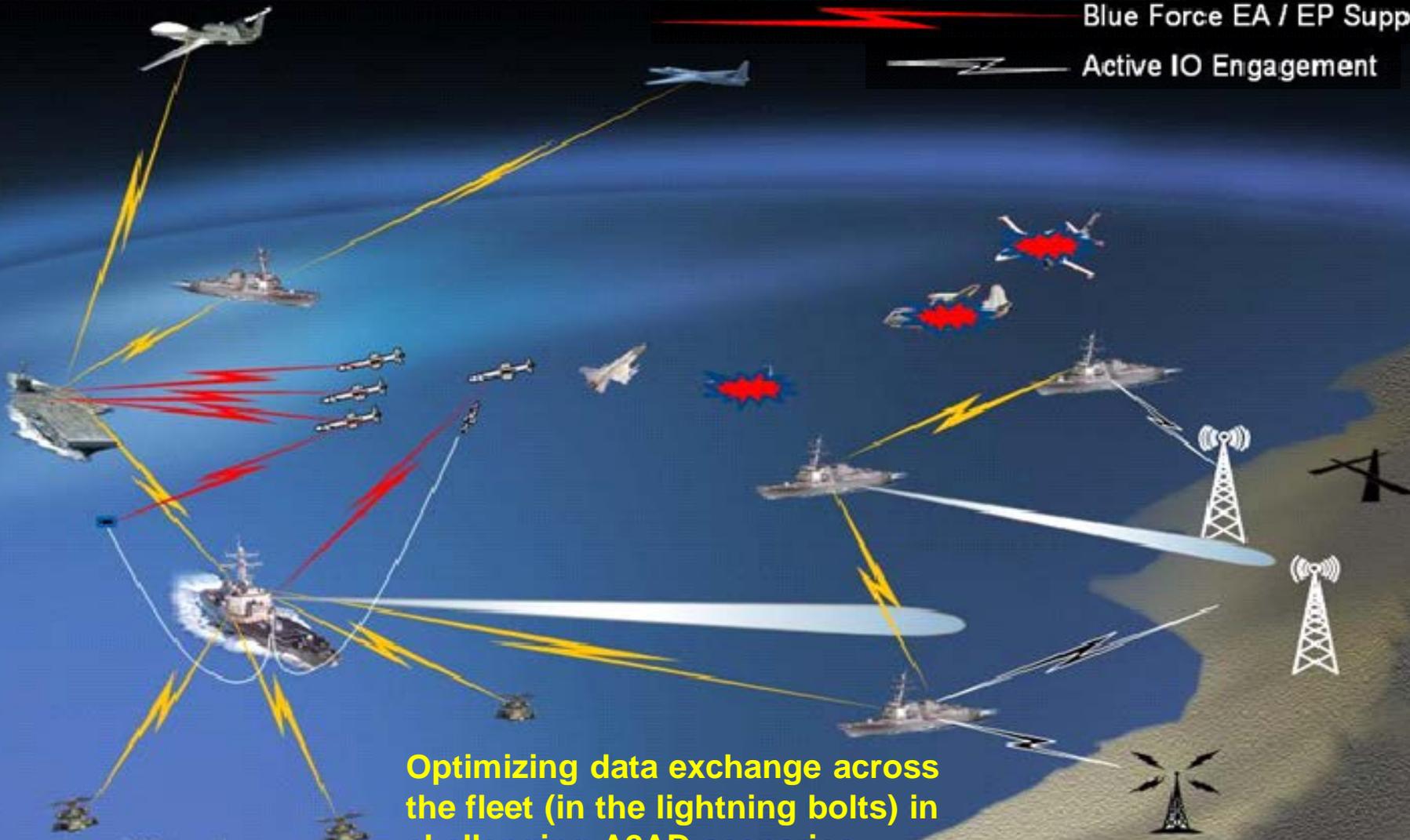
CDL or HNW Communications

Blue Force Radar/Sensors

UNCLASSIFIED

Blue Force EA / EP Support

Active IO Engagement



Optimizing data exchange across the fleet (in the lightning bolts) in challenging A2AD scenarios

Evolving a Naval Data Ecosystem

ONR Accomplishments



C2RPC

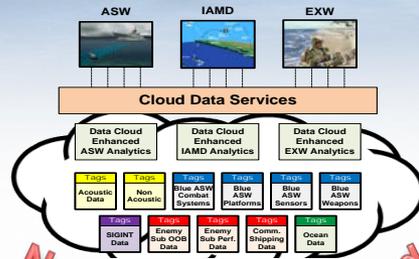


C2/CS Integration

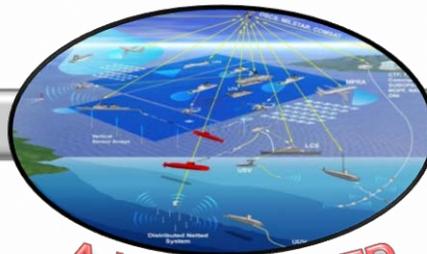


UAV Common Control

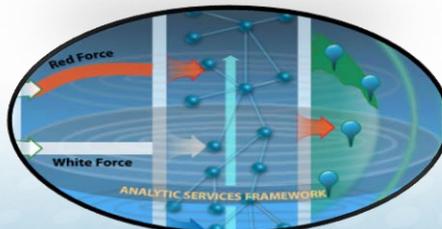
ONR Ongoing Initiatives



Naval Tactical Cloud



Adaptive TCPED



SAVA

OBJECTIVE:
Integrate Data across Mission Areas to Fight as a Fully Integrated Force



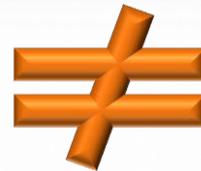
Cloud vs. Data Science

Cloud

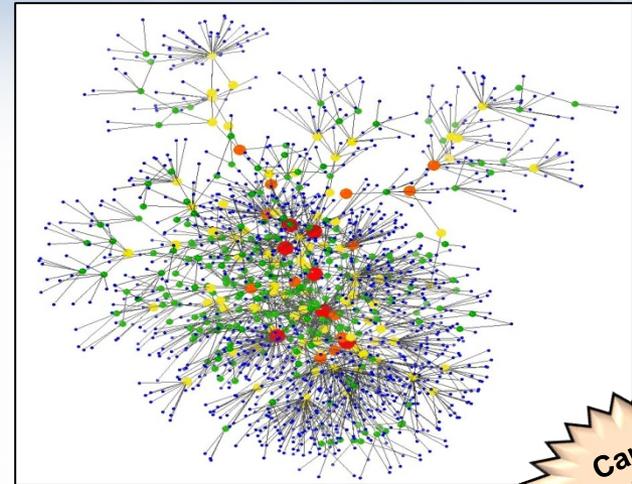


- Scalability
- Elasticity
- Cost Efficiencies

Can get from
Commercial



Data Interoperability



- Linking Data
- Understanding
- Mission Effectiveness

Cannot
get from
Commercial



The Data Science Challenge