



**National
Infrastructure
Simulation &
Analysis Center**

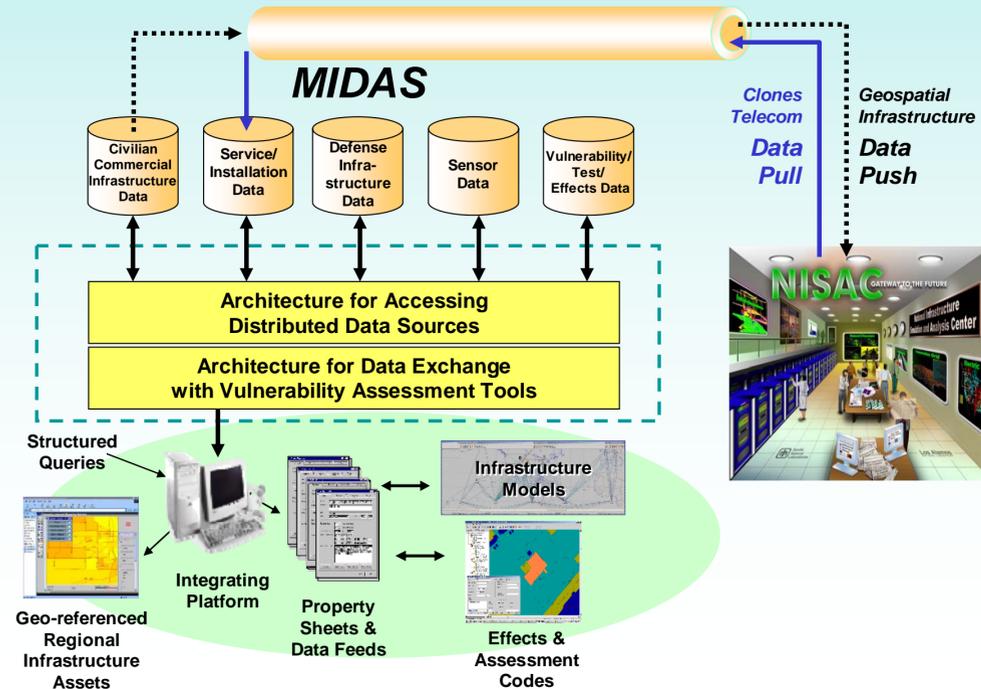


Defense Threat Reduction Agency (DTRA) MIDAS Program
Cooperative NISAC/MIDAS Infrastructure Database Exchange
 DTRA: Major Mark Sward, SAIC: Mark Vandersluis

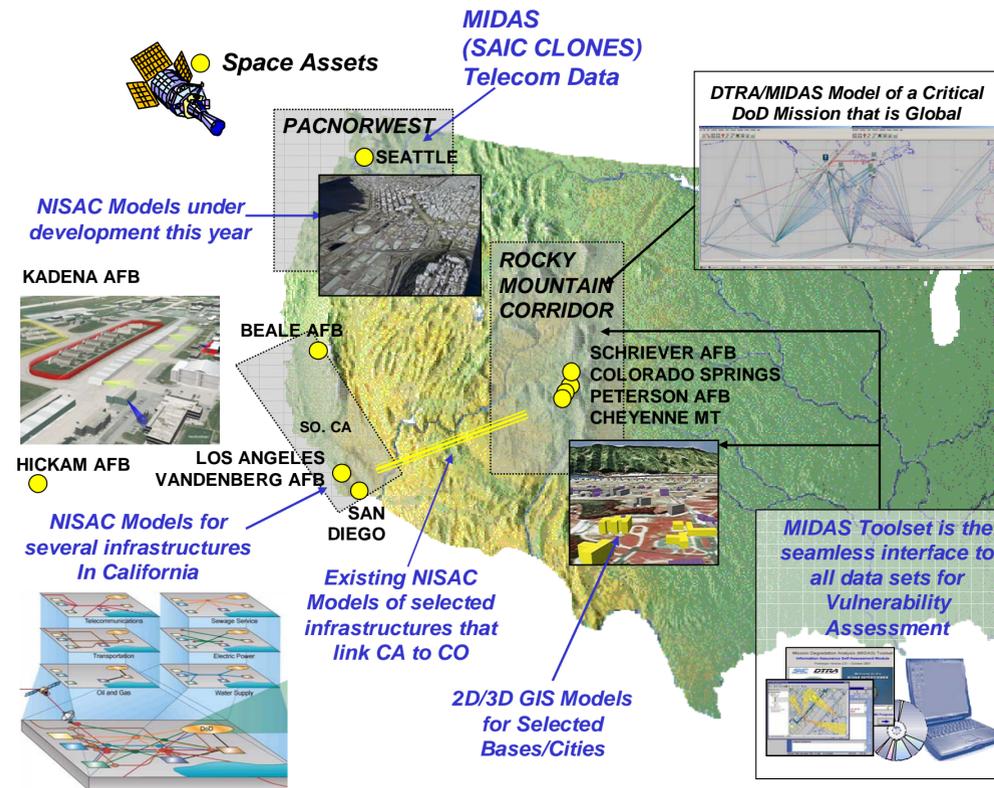


Data Exchange Pilot Program

- Geospatial Infrastructure Data Pull from NISAC
- Telecom Data Push to NISAC
- Establishment of CIP Geospatial Data Repository and National Infrastructure Map
- Remote link to continually updated SAIC/Telcordia CLONES telecommunications database
- Remote link to frequently updated (monthly) Energy Infrastructure databases (RDI).
- Ability to push CIP data layers to CIP vulnerability analysis tools (MIDAS Toolset)



MIDAS/NISAC Cooperation Provides a Near-term Homeland Defense Demonstration Relevant to DoD Missions



Summary:

NISAC/MIDAS R&D has established a proof of principle that allows us to continue to perform ever more complicated exchanges such as those identified in the U.S. Map graphic

What is the DTRA MIDAS Program?

- MIDAS is an R&D program developing tools, methodologies, and testbeds for the analysis of the mission impact of attacks on critical infrastructures and assets.
- Produces MIDAS Toolset to assess and mitigate the impact of critical infrastructure degradation on DoD missions and functions following manmade or natural disasters
- Validates MIDAS predictive models using hardware and software testbeds
- Identifies and develops key technologies: 3D Modeling & GIS Visualization; Codes/Testbeds; Infrastructure Interdependencies; Risk Assessment

