



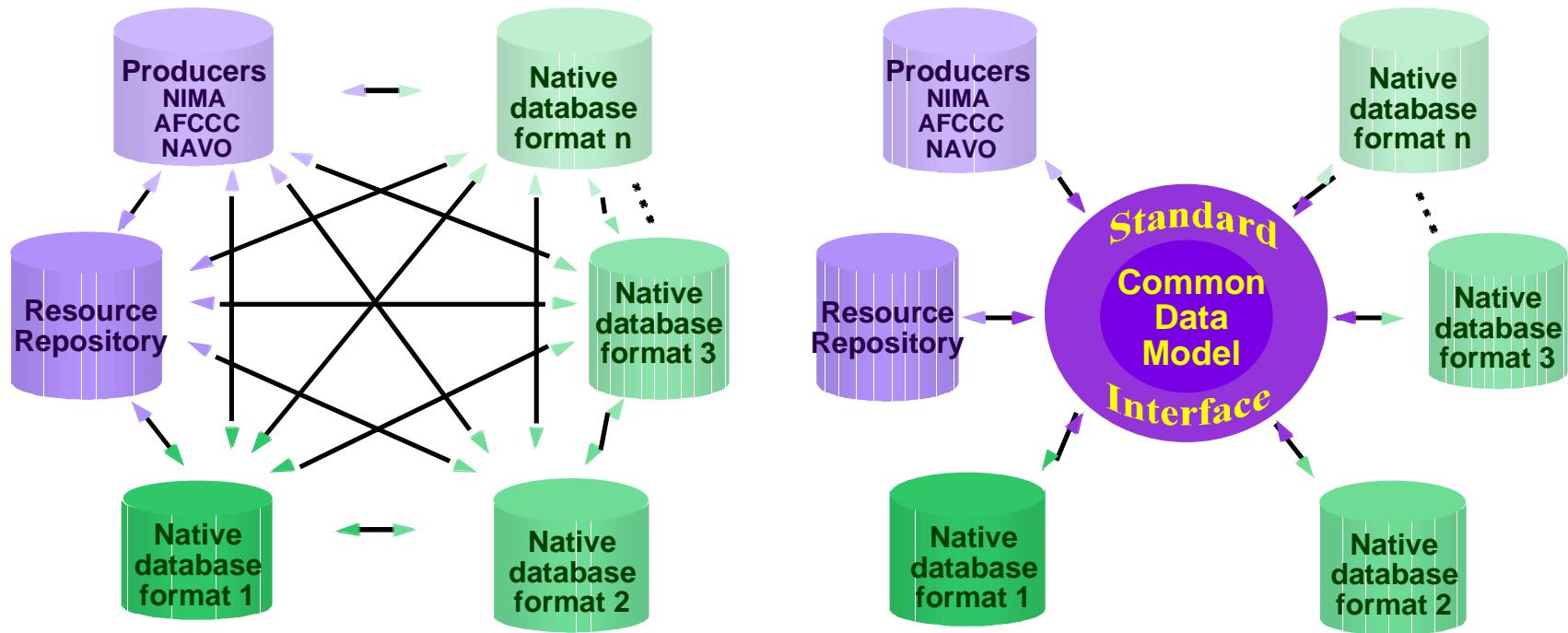
Synthetic Environment Data Representation and Interchange Specification



<http://www.sedris.org>

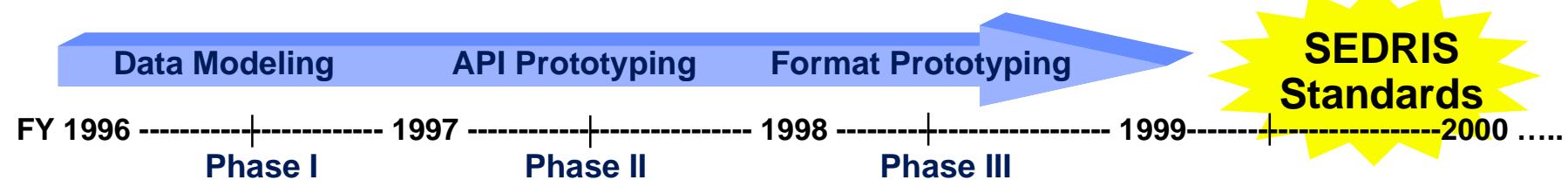


SEDRIS Objective and Plan



- No standard data model
- Limited support to heterogeneous simulation
- Indeterminant interchange mechanism
- Expensive database conversion

- Complete representation
- Enables interoperability
- Lossless and consistent interchange
- 100x reduction in conversion costs





Associates

- AcuSoft, Incorporated
- Analysis and Technology, Incorporated (A&T)
- Centric (formerly Coryphaeus) Software, Incorporated (CSI)
- Cybernet Systems Corporation
- Evans and Sutherland (E&S)
- JRM Enterprises, Incorporated
- Litton/TASC
- Lockheed Martin Information Systems (LMIS)
- Lockheed Martin Tactical Defense Systems (LMTDS)
- Environmental Systems Research Institute (ESRI)
- MultiGen - Paradigm, Inc.
- Naval Research Laboratory (NRL)
- PAR Government Systems Corporation
- Raytheon Systems Company
- Raytheon Training Systems
- Reality By Design Government Systems, LLC (RBD)
- Science Applications International Corporation (SAIC)
- Silicon Graphics, Incorporated (SGI)
- TerraSim



What Associates Do...

- Learn to “speak SEDRIS” - enhanced Rumbaugh notation
- Generate a “mapping document” for their native format(s) or assigned government format(s) that ensures the data representation model and coding standard can handle all data requirements
- Develop software to “convert” “native data” into SEDRIS and back to check completeness of the interchange
- Participate in SAMs and associated interchange experiments to exchange ideas and cooperatively define and develop SEDRIS technology components
- Share with other associates all non-proprietary (native format) utilities and applications that support SEDRIS interchange



Other Participating Organizations

- Armed Forces Training Systems, Incorporated (*AFTS*)
- Defense Advanced Research Projects Agency (*DARPA*)
- Defense Modeling and Simulation Office (*DMSO*)
- Defense Threat Reduction Agency (*DTRA*)
- Dismounted Warrior Network (*DWN*)
- Institute for Defense Analyses (*IDA*)
- Joint Simulation System, Joint Program Office (*JSIMS/JPO*)
- Joint Warfare System, Joint Program Office (*JWARS/JPO*)
- Master Environmental Library (*MEL*) Project
- The MITRE Corporation
- National Imagery and Mapping Agency (*NIMA*)
- Naval Air Warfare Center Training Systems Division (*NAWC/TSD*)
- Naval Oceanographic Office (*NAVOCEANO*)
- Orion Development Group, Incorporated (*ODG*)
- Quantum Research International
- SRI International
- U.S. Army Topographic Engineering Center (*USATEC*)
- U.S. Army Simulation Training & Instrumentation Command (*STRICOM*)



International Participants

- Industry
 - Thomson Training and Simulation (*United Kingdom, France*)
 - STN ATLAS Elektronik GmbH (*Germany*)
 - SOGITEC (*France*)
 - OKTAL (*France*)
- Government
 - Defence Evaluation and Research Agency (*DERA*) (*United Kingdom*)