

DataNet Federation Consortium

Data Driven Science

- Implement national data grid
 - Federate existing discipline-specific data management systems to enable national research collaborations
- Enable collaborative research on shared data collections
 - Manage collection life cycle as the user community broadens
- Integrate “live” research data into education initiatives
 - Enable student research participation through control policies

Project

Shared Collection

Processing Pipeline

Digital Library

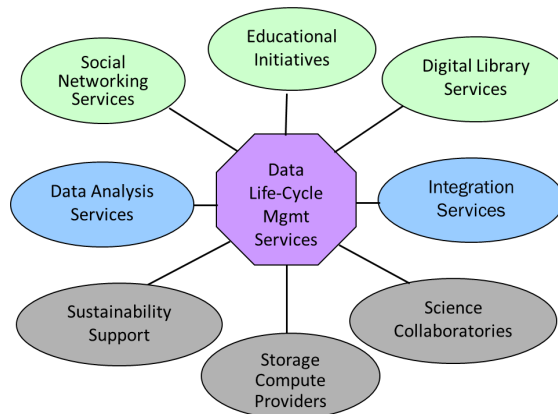
Reference Collection

Federation

Collection Life Cycle

Cyber-infrastructure Partners:

Univ. of North Carolina, Chapel Hill
 Univ. of California, San Diego
 Arizona State University
 Drexel University
 Duke University
 University of Arizona
 University of South Carolina



Science and Engineering Initiatives:

Ocean Observatories Initiative
 the iPlant Collaborative
 CUAHSI
 CIBER-U
 Odum Social Science Institute
 Temporal Dynamics of Learning Center

