Solar Energy | Water | Environment

Nexus
IN NEVADA
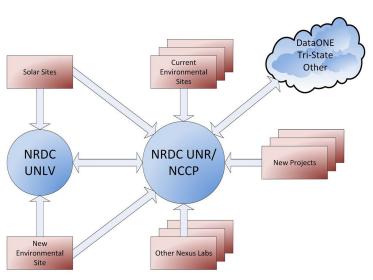
DEVELOP NEW CAPABILITIES FOR DATA ACQUISITION, COMMUNICATION, MANAGEMENT, AND PROCESSING THAT WILL ACCELERATE NEXUS RESEARCH AND SUPPORT EDUCATION IN NEVADA

Establishing a new archetype for CI research and development: the Nevada Research Data Center (NRDC). Create cyberinfrastructure (CI) tools that will help science and education better make sense of research data. The project will increase Nevada's CI capabilities, including advanced data services, real-time data streaming and visualization, data mining and analysis, image processing, data security and cloud computing.

>> NRDC
www.sensor.nevada.edu/NRDC

RESEARCH TOPICS

1. Data Processing and Analysis: Create new handling, processing, and analysis methods and tools.

2. Software Engineering and Human-Computer Interactions: Define a process model to guide future CI developments that support data-intensive research.

3. Communication Networks: Enhance research-oriented network communication capabilities.

4. Database Architecture and Data Management: Develop new, effective solutions for database architecture and data management.

RESULTS OR ANTICIPATED RESULTS

DataONE
Data Observation Network for Earth

NRDC joins DataOne as a level 1 member node. Developing software and preparing the integration mechanisms and procedures for NRDC to become the highest level 4 member node.

CONTACT US

Cyberinfrastructure Lead
Sergiu Dascalu
dascalus@cse.unr.edu
775-784-4613

nvsolarnexus.org