Sun microsystems

Get your Digital Repository online fast and economically

1. Create and Share Digital Assets

Islandora

Drupal

2. Manage
Archive Applications
> Index
> Search
> Share
> Reuse

Archive Application

FedoraCommons™

> Metadata Management
> Relationship connections
> Security
> Search Engine
> Policy Driven

Powered by MySQL®

> Digital Asset Policies
> Metadata

3. Preserve
Storage Preservation
> Data Preservation
> Protect
> Longevity

4. Store
Storage Devices

Open Storage Archive Data

Storage Preservation Abstraction

Physical Storage Components
Start small (2TB) and easily scale to PBs over time

Open Storage
> X4150   > J4400

ZFS

opensolaris

Sun Storage 7000

Leverage the Sun Open Archive Framework

Use Cases

Sharing Satellite Data
Tying disparate repositories together

Sharing Bioscience Research Data
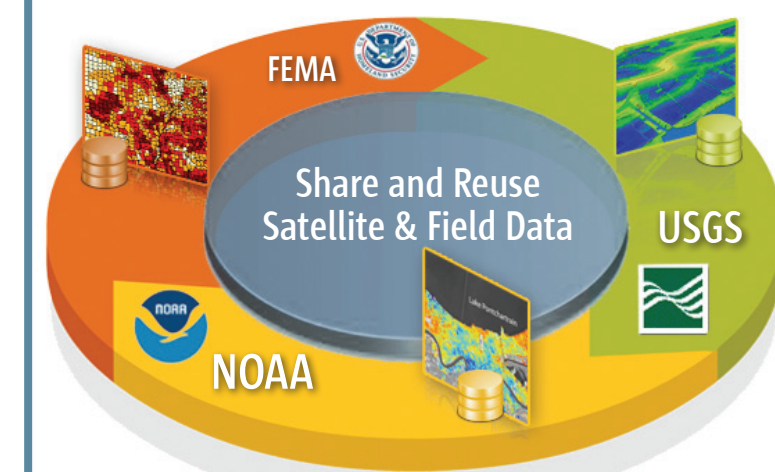Tying different disciplines into a common repository

Top challenges in Natural Disaster Management
> Distributed data collections for federation among institutions
> Logical name space across disparate systems
> Inaccurate and costly decisions based onlimited and inadequate information

Top challenges in Virtual Research Environments (VREs)
> Moving research data beyond individual databases to interlinked knowledge bases
> Exchanging data from many sources for earlier analysis and to speed up the research process
> Managing the research information along the entire research continuum
> Simplifying the researcher's user experience so they can focus on research not data management

Each research center shares information

Weather Data - Shelter Capacity - Flood Zones

FEMA

Share and Reuse Satellite & Field Data

USGS

NOAA

Zoologist

Marine Biologist Data

Molecular Biologist

Botanist

Marine Biologists research data is moved to a common repository for reuse by different science disciplines.

Collaboration of information

Accurate Prediction - Save Lives - Maintain Order

EVACUATION ROUTE
INFORMATION
870 AM
101.9 FM

The value of research is multiplied

Speeds research results

Better data analysis