

Visualization of Distributed Environmental Data

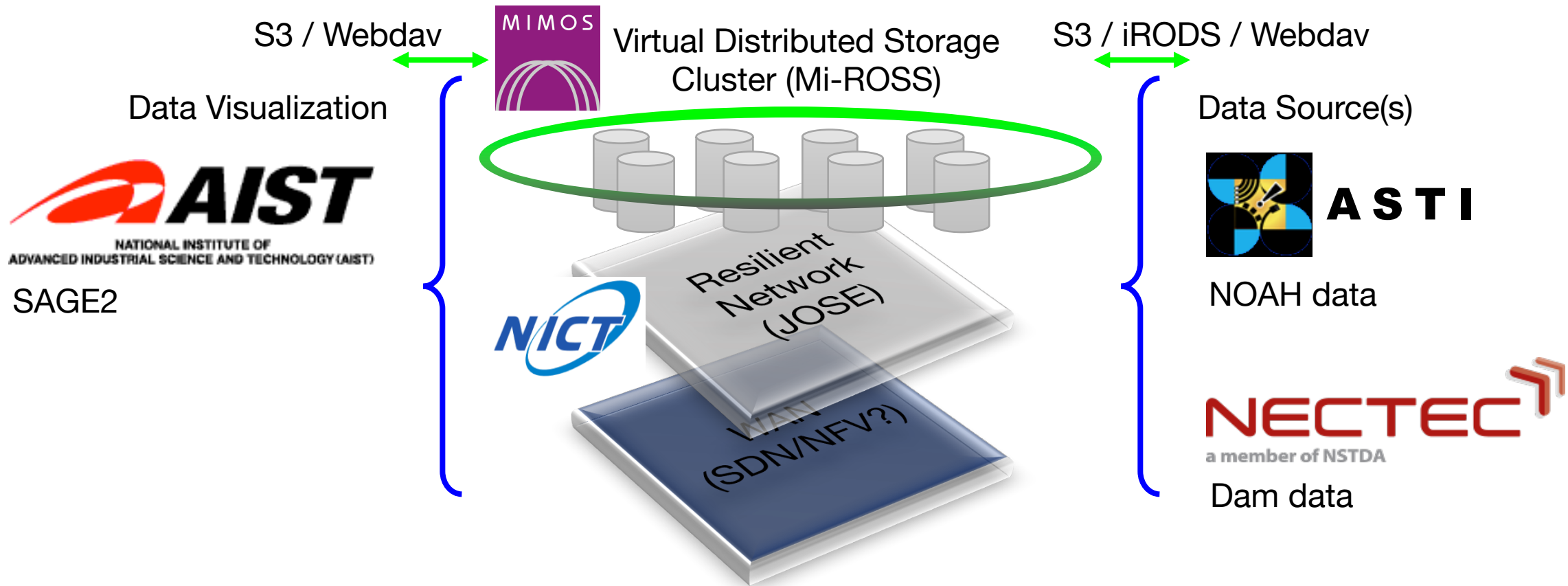
- Objectives
 - To create durable software defined distributed storage platform
- Problems to be solved
 - To ensure consistent access to environmental data
 - To ensure data resiliency
 - To facilitate data discovery
 - To address data security

- Team Members
 - ASTI (Data resource, Data Management)
 - MIMOS (Distributed Object Storage)
 - AIST (Data Visualization)
 - NECTEC (Data resource)
 - NICT (Testbed)
 - NCHC

- Work Items/Schedule/Deliverables

- Setup and configure the distributed object storage on the NICT Testbed (JOSE)
 - 3 Months
- Optimization, tuning and experimentations (baseline/benchmark) and Data harvesting (Data migration and validate, e.g. environmental data, NOAA data, Dam data, AirBox data, etc?)
 - 2 months
- Data access methods (VO concept, "dropbox" like, etc.)
 - Simple access: 2 months
 - VO concept: 3 months
- Data visualization (SAGE2)
 - 3 months
- Software Defined Infrastructure (better network performance)
 - 12 months (start by point #2 and to run/observe continuously)

Proposed Architecture



To Dos

- To get skype contacts from everyone
- To circulate the proposed architecture and work items
- To setup a tele-conference by end of September
 - 11am JP
 - 10am MY/PH
 - 9am TH