



The ORNL DAAC: Contributing to the ESIP Federation¹



- Source for Biogeochemical Dynamics Data

Land Validation

- NPP
- LAI

In-situ Observations → ? ← Remote Sensing

• MODIS Core Test Sites

Field Campaigns

- FIFE
- OTTER
- SNF
- BOREAS
- LBA
- SAFARI 2000

Flux Tower Sites

Flux data aggregated to daily, monthly, and yearly values

- FluxNet

Regional and Global Data

- Climate
- Soils
- Vegetation
- Hydroclimatology

Member of the LBA-Ecology ESIP Cluster

- Contributing to ESIP System-wide Interoperability

Mercury, a distributed, XML Web-based metadata search and data retrieval system developed by the ORNL DAAC, has been selected to serve as a component of the ESIP System-wide Interoperability Layer (funding is pending). Key features of this system will include:

- Distributed data and metadata
- Automated harvesting of metadata
- Frequent re-builds of the index
- Compliant with Z39.50 and FGDC standards
- Fielded and free text searching
- Geospatial and temporal searching
- Integrated data and Web page searches
- No special software needed to be a data supplier
- COTS based [OpenSearch](#)
- Custom Metadata Editor

Example of using Mercury at the DAAC

Projects using Mercury

- LBA-Ecology
- LBA-Hydrology
- LBA (Brazil)
- NARSTO
- SAFARI 2000
- EPA Particulate Matter Supersites
- NASA ESIP Federation SWIL
- Carbon Sequestration
- ORNL DAAC
- EOS Land Validation
- Regional and Global Data
- IGBP-DIS

<http://mercury.ornl.gov>

Search Screen

Search Results

Metadata Summaries

Full Metadata

Additional Documentation

Download Data

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Learn more about the ORNL DAAC
 at <http://www.daac.ornl.gov>



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