Member Node Description: Regional and Global Data

Version 1.0 5/8/14 Bob Cook

General

Name of resource:	Regional and Global Data
URL(s):	http://daac.ornl.gov/mercury.html
Institutional affiliation(s):	Environmental Sciences Division, Oak Ridge National Laboratory
Primary geographic location:	Oak Ridge, TN, USA
Project Director & contact info:	Carroll Curtis, curtiscn@ornl.gov
Technical Contact & contact info:	Ranjeet Devarakonda, devarakondar@ornl.gov
Age of resource:	Since 2000
Funding support:	NASA
Proposed Unique Identifier:	urn:node:RGD

Content

Content description/collection policy:

Regional and global biogeochemical dynamics data can be used to improve our understanding of the structure and function of various ecosystems; to enable prediction across spatial and temporal scales; and to parameterize and validate terrestrial ecosystem models. The ORNL DAAC's User Working Group chose these data as important for the global change research community. These data reside at other data centers and may be used to improve our understanding of the structure and function of terrestrial ecosystems and to enable prediction across temporal and spatial scales. They have been registered through Mercury and complement the data compiled, archived, and distributed by the ORNL DAAC.

This rich library of data about the ORR covers such topics as

- Climate
- Gas Exchange
- Human Dimensions
- Hydroclimatology
- Model Archive
- Observing Networks
- Soil
- Vegetation

Types of data:

A variety of environmental data, collected over space and time. Image and map data and tabular collections.

Data and metadata availability (rights, licensing, restrictions):

Metadata is available. Data are available at data centers and repositories around the Internet.

Option for embargo:
n/a

Size of holdings:
508 data sets

Please describe recent usage statistics, if known, including information on annual data product downloads, annual number of users, annual number of data products used in publications:

User interactions

How does a user contribute data?
Follow the instructions found on http://daac.ornl.gov/rgd_datacenterslist.html#f.

How does a user acquire / access data?
The RGD Mercury search interface provides access to metadata and access to the data, which is located at data centers around the Internet.

What user support services are available (both for depositing and accessing/using data)?
Services available include metadata reports, data files, and some documentation.

How does the resource curate data at the time of deposit?
Data are curated according to the practices of the data centers contributing products to RGD Mercury

Technical characteristics and policies

Software platform description, incl. data search and access API(s):
Mercury search interface

Service reliability:

Preservation reliability (including replication/backup, integrity checks, format migration, disaster planning):

User authentication technology (incl. level of create/modify/delete access by users):
n/a

Data identifier system and data citation policy, if available:
n/a

Metadata standards (including provenance):
FGDC metadata

Capacity/services to DataONE

At what functional tier will you initially be operating?
☒ **Tier 1: Read only, public content**

- ☐ **Tier 2: Read only with access control**
- ☐ **Tier 3: Read/write using client tools**
- ☐ **Tier 4: Able to operate as a replication target**

If you can host data from other member nodes, what storage capacity is available?

Can you provide computing capacity to the broader network? If so, please describe.

Other Services

What other services or resources (such as expertise, software development capacity, educational/training resources, or software tools) can be provided of benefit to the broader network?