

Computational Environment: Specific

PROCESSOR ENVIRONMENT

Virtual Machine ?

- 1) Data Management
- 2) Web Server
- 3) Development & Analysis

The processor environment for openclimate.org will be heterogeneous and flexible, and determined by the [functions and applications](#). The intent is that this environment will have an interface with a data management system which connects to the data environment.

DATA MANAGEMENT SYSTEM ([iRODS](#))

← NETWORK →

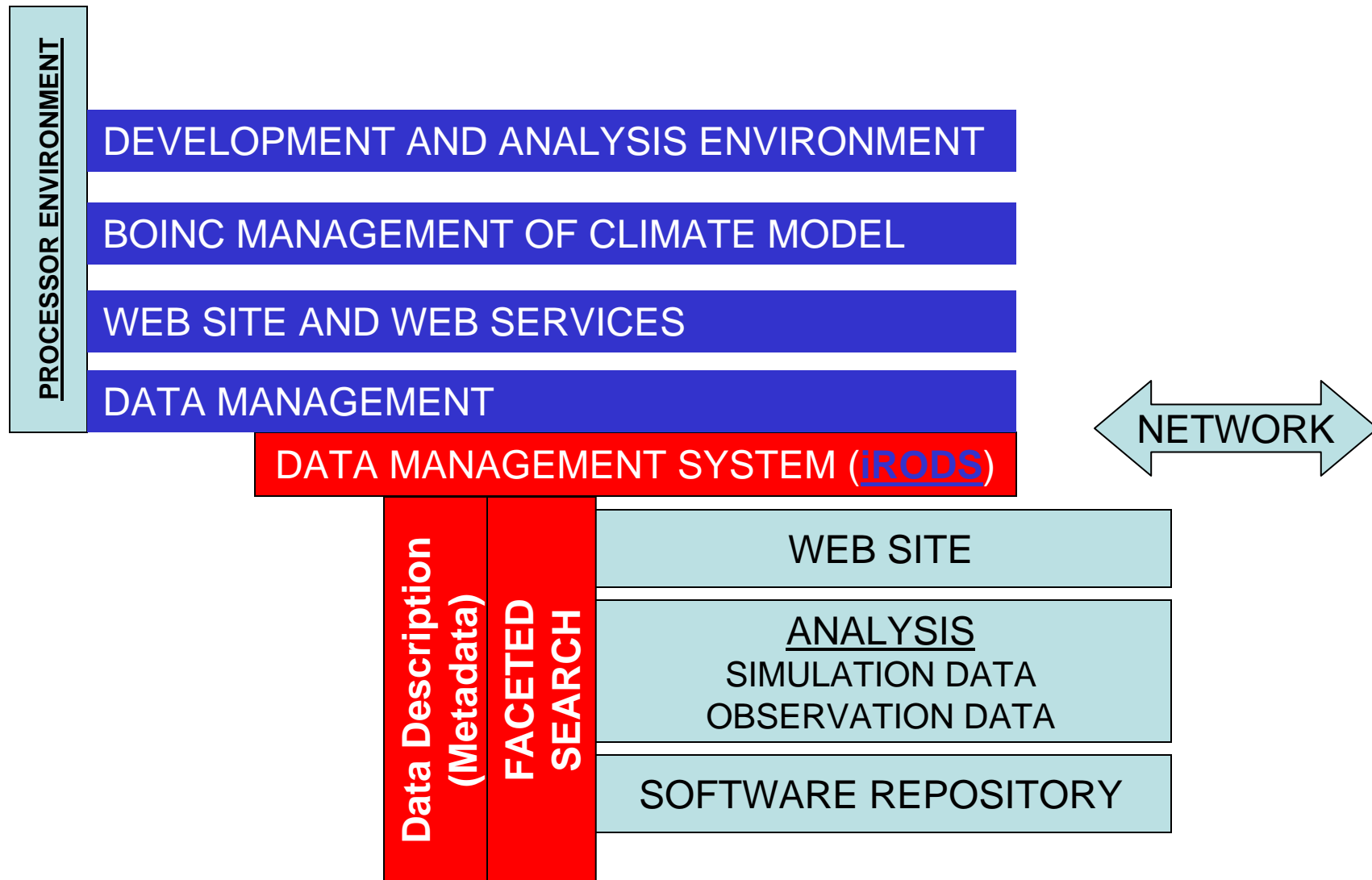
The data system will be developed in two stages. The first will use ~ approximate 10 TB RAID disk system. The second stage would, for example, use Sun's commodity-based, open source [Thumper](#) system to extend to order 100 -500 TB.

Data Description
(Metadata)

Data:
Stage 1: 10 TB RAID
Stage 2: 100s TB Commodity

[A more granular function-based system description](#)

Computational Environment: Functional Granularity



Computational Environment: Specific

Functions and Applications

- Access and security
 - OpenID
- Data management
 - candidate system [iRODS](#)
 - Faceted search ([MOSS](#), [Flamenco](#), [MSPACE](#), ([MSPACE COMPOSER DEMO](#)))
 - [Modeling guru](#)
 - [ESG](#) Portal
 - Endnote
- Openclimate.org web server
 - Project portals
- Applications
 - [BOINC server](#)
 - [Workflow tool](#)
- Analysis environment
 - Downscaling algorithm
 - GIS – IPCC interface

[Computational Environment: Specific](#)

[List of Potential Tools](#)

List of potential tools

- Tools, etc. that I would like to consider
 - [OpenID](#)
 - [iRODS](#) Data Management System
 - Faceted Searches
 - [MOSS](#)
 - [Flamenco](#)
 - [MSPACE](#), ([MSPACE COMPOSER DEMO](#))
 - [SESAME](#) RDF Triple Store ([Link to Paper](#))
 - [Modeling guru](#) NASA tool for community support
 - [ESG](#) Portal: DoE system for accessing IPCC data
 - [Endnote](#) Commercial Bibliography Management
 - [BOINC server](#)
 - [Workflow tool](#)

[Return to Functions and Applications](#)