Common Directory Structure for GSICS Data and Product Servers

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Proposed Solution

- The EUMETSAT GSICS Data and Products server provides HTTP and FTP services for the uploading and the downloading of source data and products.

- Three prime directories have been defined under the THREDDS public directory:
  - Upload directory, temporary staging directory where all uploaded data are validated as a GSICS source data set or product.
  - Source data directory, validated source data sets are moved here. The directory is scanned by THREDDS and data found are shown as Source Data Sets.
  - GSICS products directory, validated products are moved here. The directory is scanned by THREDDS and data found are shown as GSICS products.

Upload Directory

- The directory contains no further directories.
- Accessed via a standard FTP user account where the upload directory is the root. Data can only be uploaded here.
- Uploaded source data sets and products must follow agreed WMO file naming conventions.
- Validated data sets and products are moved the THREDDS scanned Source Data or GSICS Products directories.
- Invalid data are immediately deleted.

Source Data and GSICS Product Directories

- These directories are scanned by THREDDS and expected data are displayed and accessible in the THREDDS web pages.
- Actual directory structure proposed as follows:
  - **GPRC**
    → **Space Programme, satellite or instrument.**

Example:

  - **JMA**
    → **MTSAT1R**

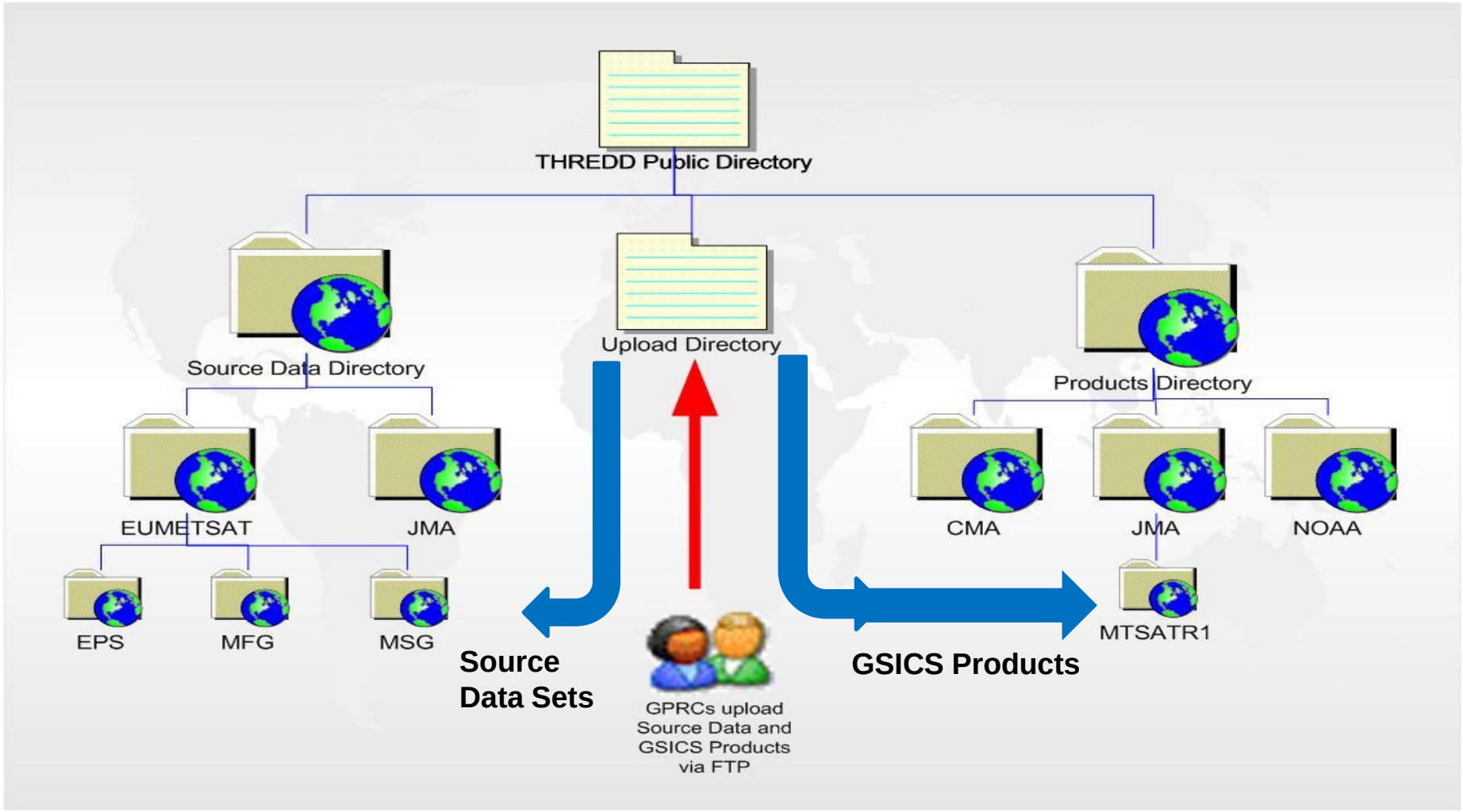
- THREDDS can be configured to provide additional meta data information in the “Dataset” tree and the Data Set pages.

Additional Meta Data Information

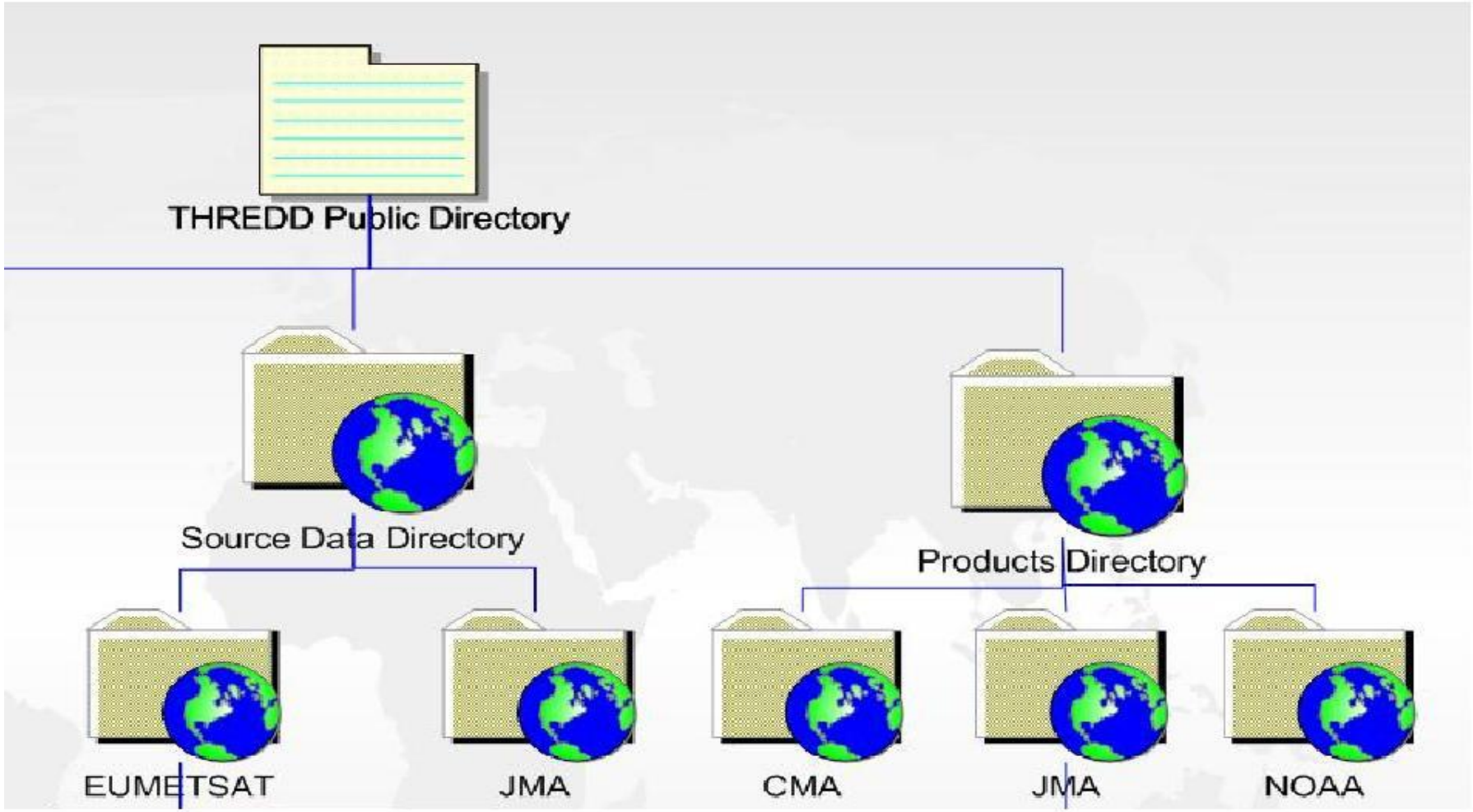
- THREDDS can be configured to display additional branches in the Dataset tree providing further meta-data information for the data set found under the branch.

- THREDDS filter can also be used to organise different data sets in the same directory and display them under separate directories in the Dataset tree.

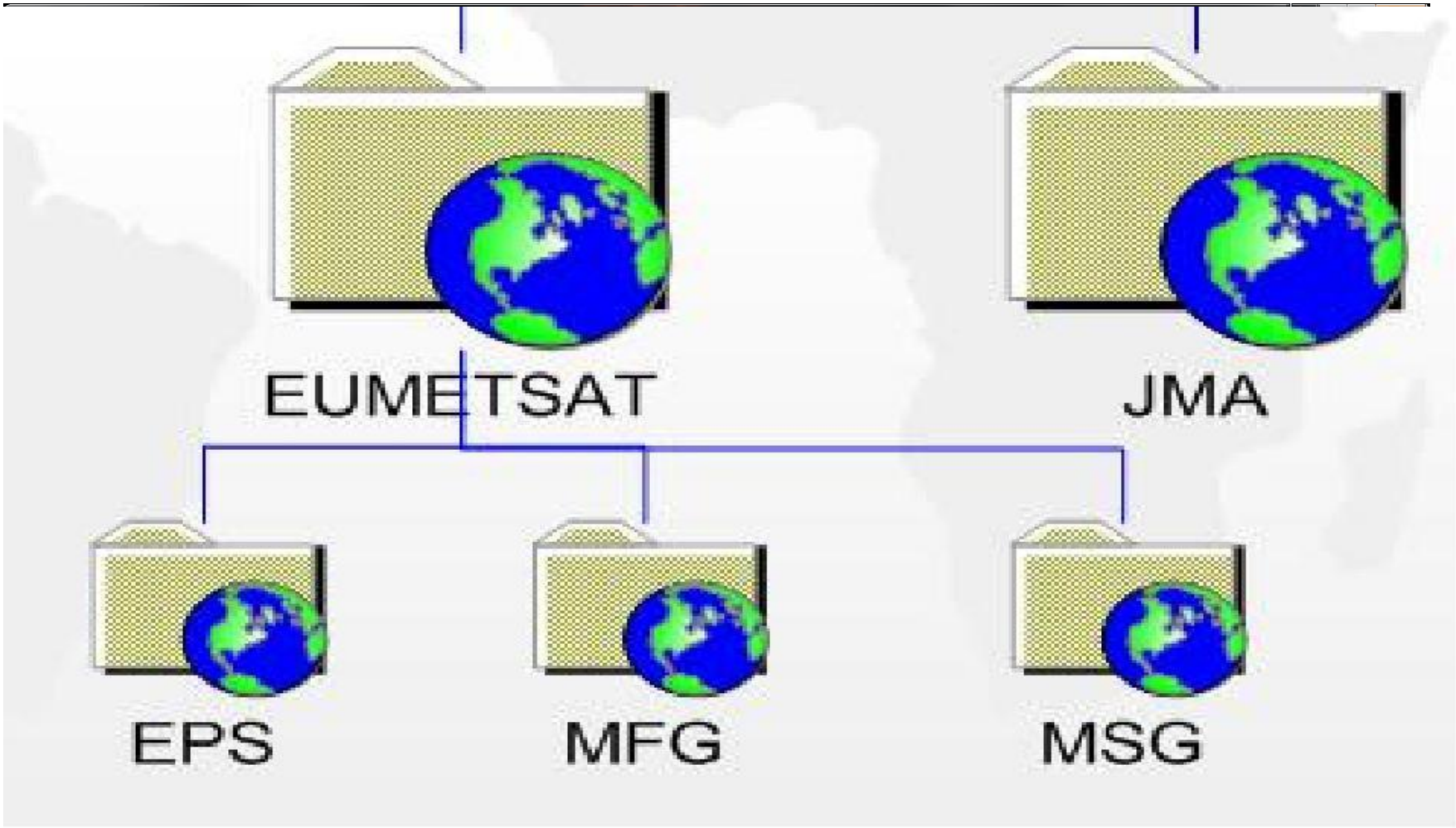
Proposed Directory Structure



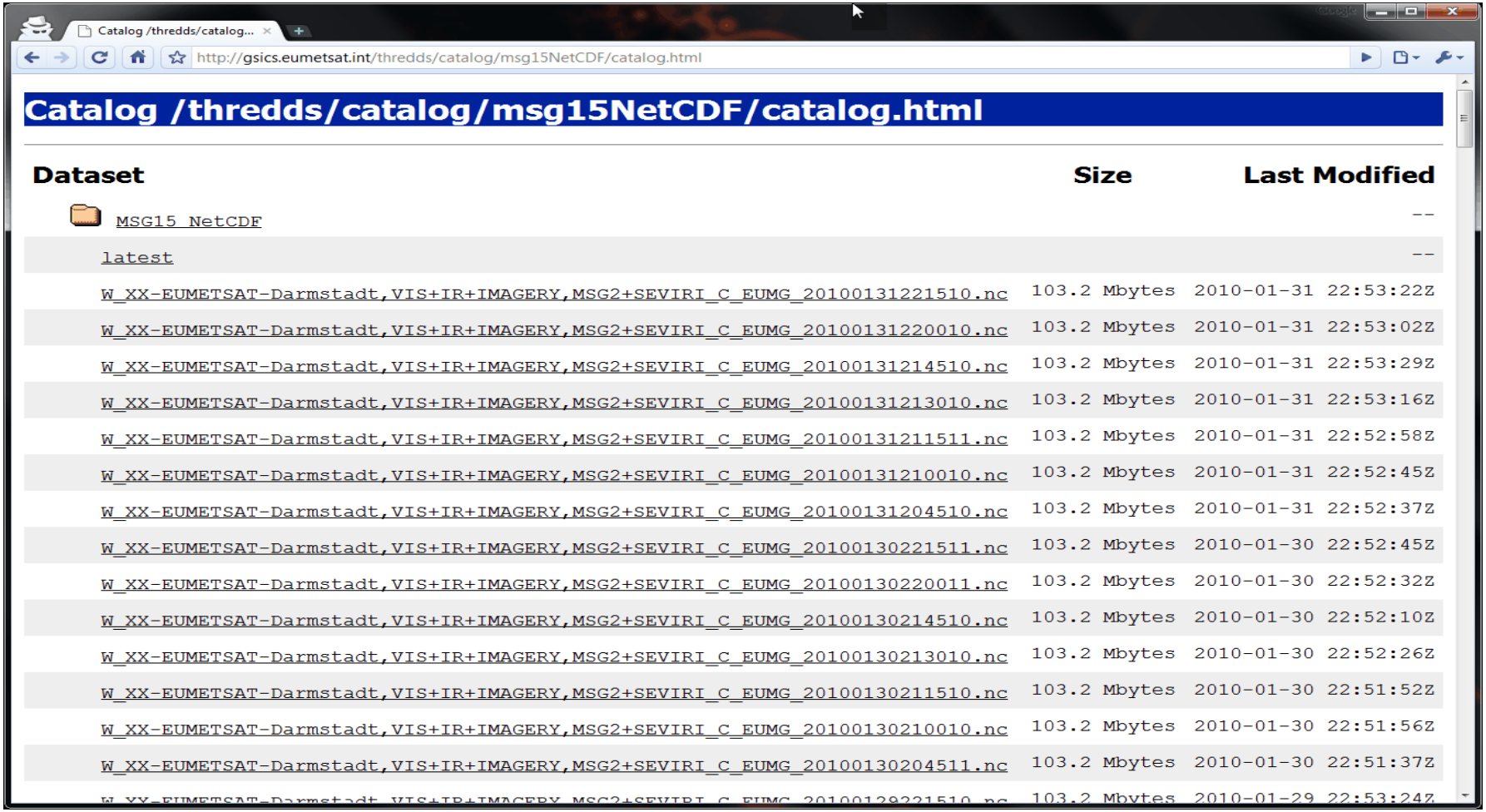
GSICS Dataset Tree



GPRC Dataset Tree

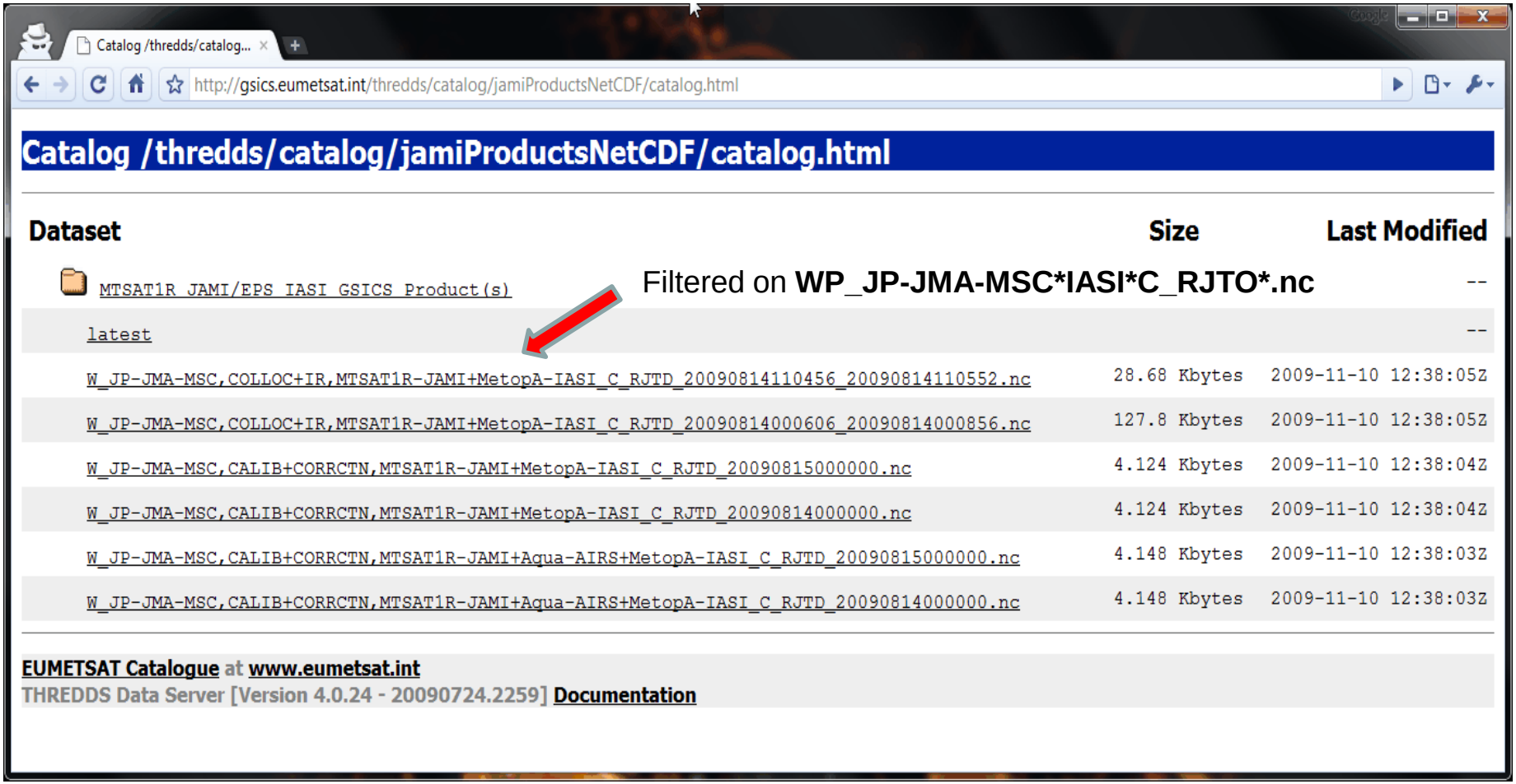


MSG15 netCDF Directory Scanned

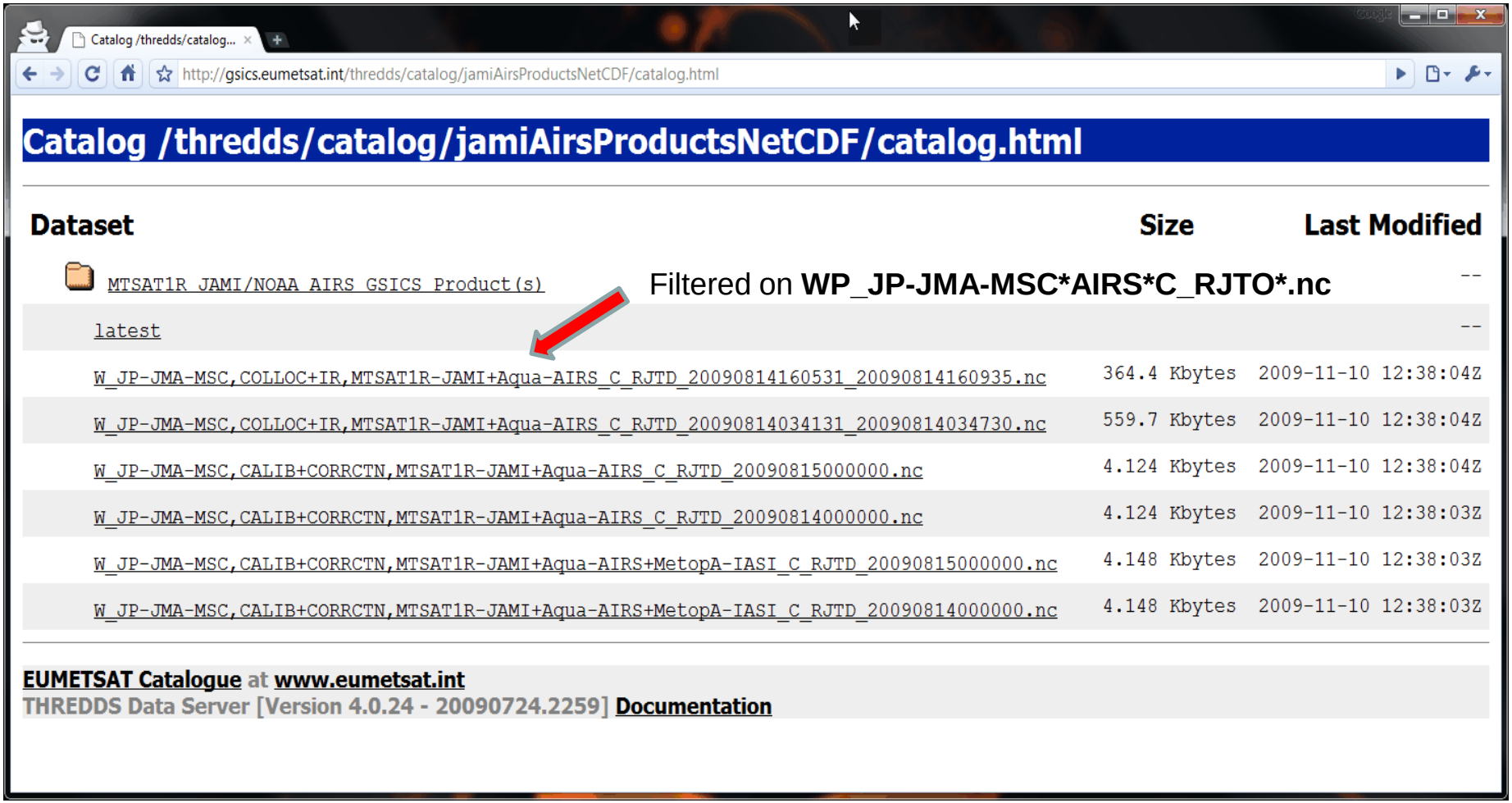


Example of Data in the same Directory organised as two data sets

Data Sets are filtered in the same directory according to Wild Card 1



Data Sets are filtered in the same directory according to Wild Card 2



Points for Discussion

- Is the proposed directory structure sufficient for our needs?
- Are there Alternatives?
- Goal: Recommendation for an agreed directory structure for all GSICS Data and Product servers?

End of Presentation: Thank you for your attention

Questions ?