

<< ESGF SUPPORT WORKING TEAM >> PROGRESS UPDATE & FUTURE ROADMAP

ESGF F2F Workshop,
Washington, DC, December 2016

<< Available Time: 10 minutes presentation + 5 minutes discussion >>

Working Team Leads: Matthew B. Harris, Torsten Rathmann

Active Participants: Katharina Berger, Hans Ramthun, Frank Toussaint, Claire Trenham, Dean Williams

- Operational support continued
- User Training Plan (Support Documentation Plan) set up
- ESGF help pages moved to CoG
- New user tutorial: Authorization for ESGF data access
- New user tutorial: Download and browse data from ESGF with OPeNDAP
- Completely revised user tutorial: Download data from ESGF using Wget
- FAQ continuously revised

Earth System CoG

You are at the CoG-CU node

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Technical Support

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 - Data Access Control Setup
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 - Configuring Globus
 - Data Transfer Node Setup
 - Header and Footer
 - Google Analytics
 - Notification Header
 - ESGF-CoG User Accounts
 - Setup Federation
 - Cron jobs
 - Restore from backup

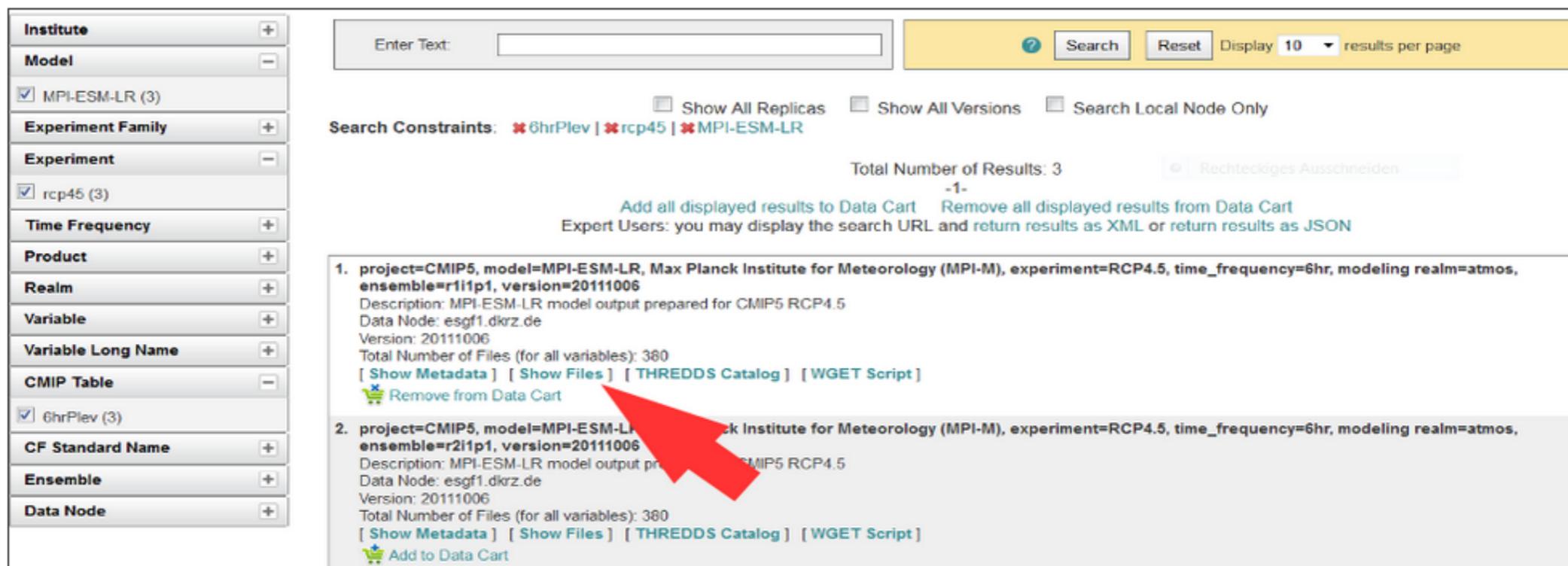
Download and browse data from ESGF with OPeNDAP

OPeNDAP is a data transport architecture and can be used for data download, data browsing and data processing, for example image creation. This page describes data download and browsing in the ESGF via OPeNDAP, especially how to

- Browse attributes (global attributes and variable-specific attributes in the [NetCDF](#) file header)
- Convert data format to [ASCII](#) or [dodc](#)
- Cut out data for a specific area and period
- Access data with own software

Access via an ESGF portal

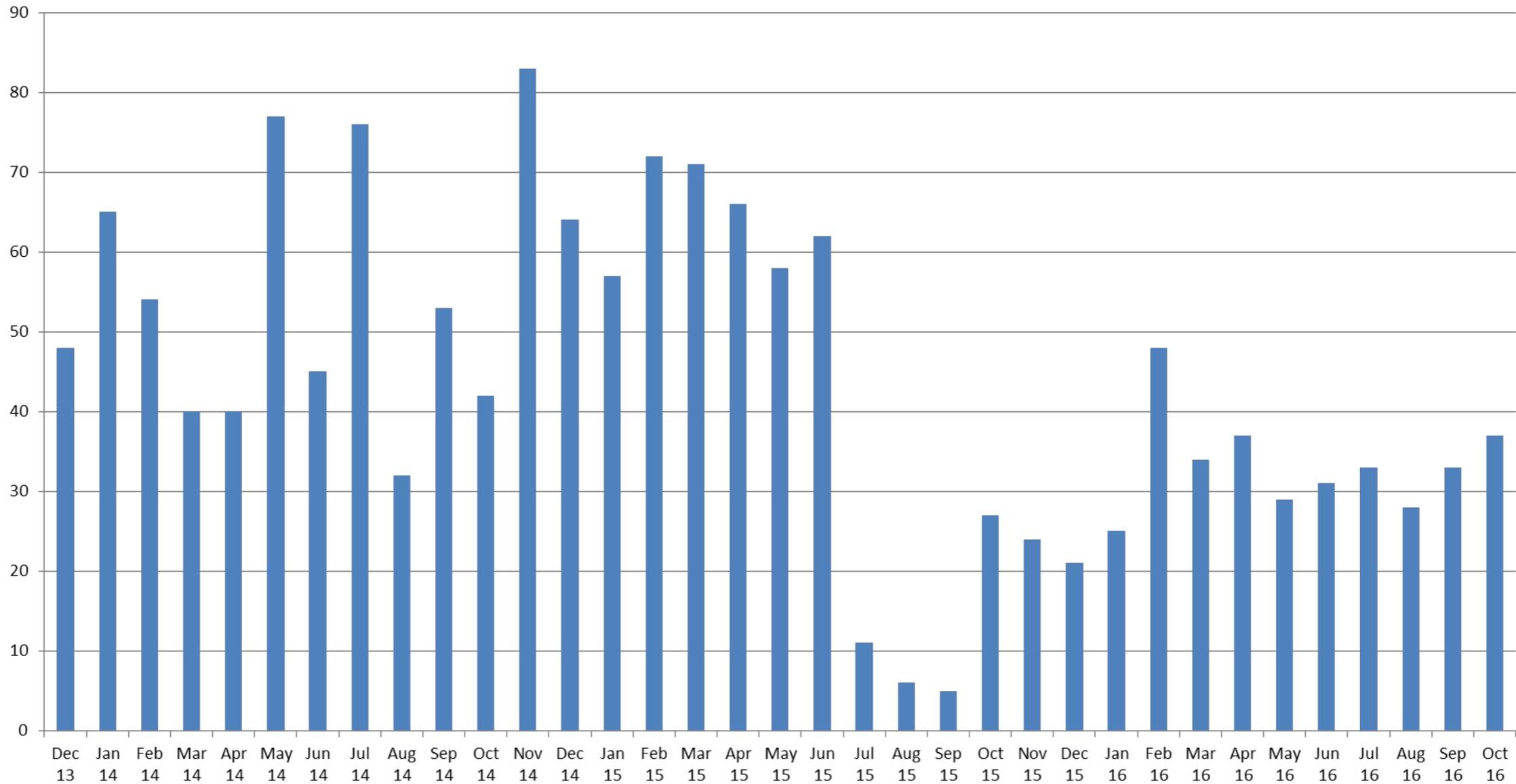
Data access via OPeNDAP is possible by using any ESGF portal. Perform a usual ESGF search, an example is in the image below.



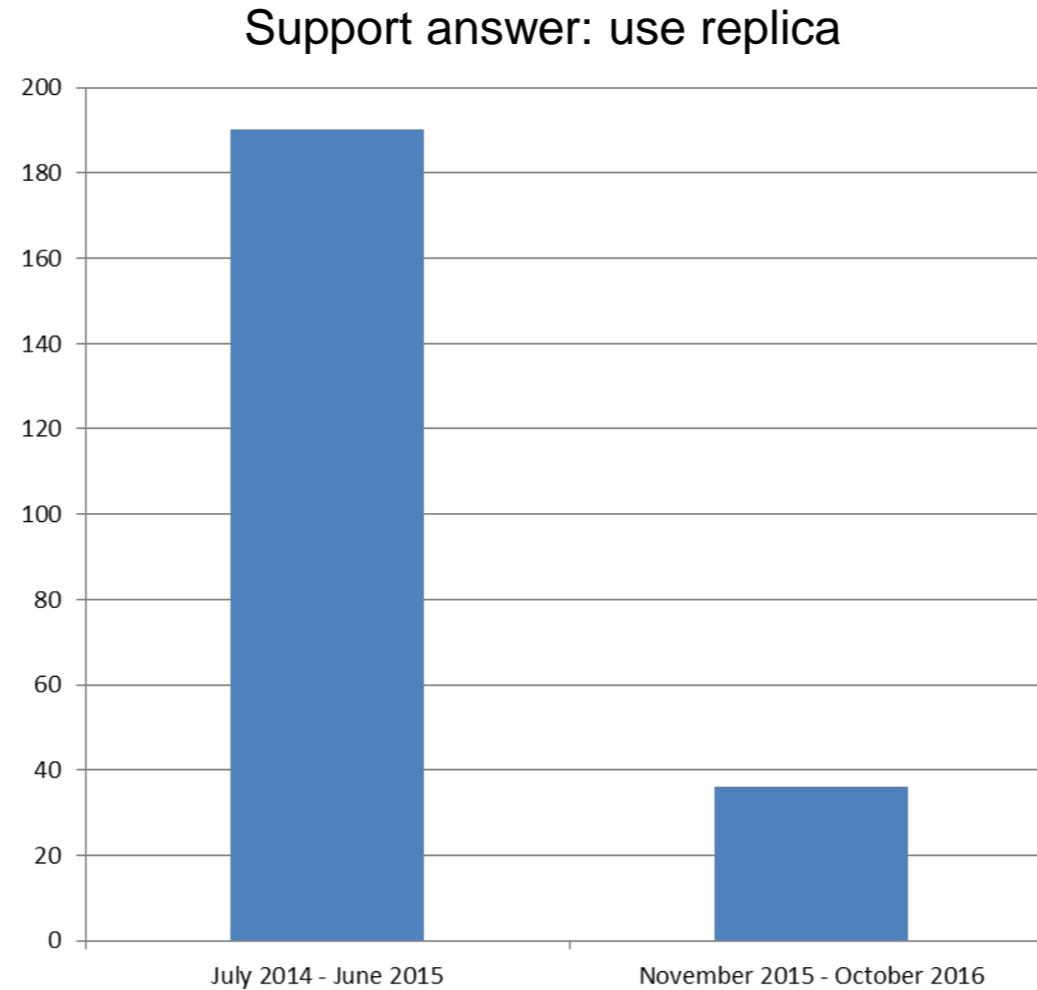
The screenshot shows the ESGF search interface. On the left is a sidebar with filter categories: Institute, Model, Experiment Family, Experiment, Time Frequency, Product, Realm, Variable, Variable Long Name, CMIP Table, CF Standard Name, Ensemble, and Data Node. The main search area includes a search bar, a search button, and a reset button. Below the search bar are checkboxes for 'Show All Replicas', 'Show All Versions', and 'Search Local Node Only'. The search constraints are displayed as: `*6hrPlev | *rcp45 | *MPI-ESM-LR`. The total number of results is 3. Below the results, there are buttons for 'Add all displayed results to Data Cart' and 'Remove all displayed results from Data Cart'. The results list shows two entries, both for the project 'CMIP5', model 'MPI-ESM-LR', Max Planck Institute for Meteorology (MPI-M), experiment 'RCP4.5', time_frequency='6hr', modeling_realm='atmos', ensemble='r11ip1', and version='20111006'. A red arrow points to the 'Add to Data Cart' button for the first result.

Number of Email Threads

almost all via esgf-user@lists.llnl.gov

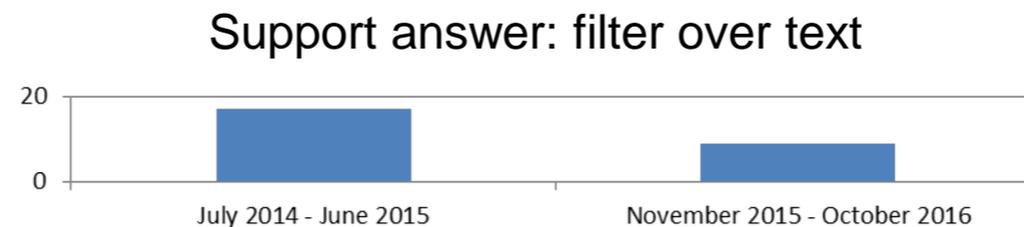


- Less malfunctioning data nodes



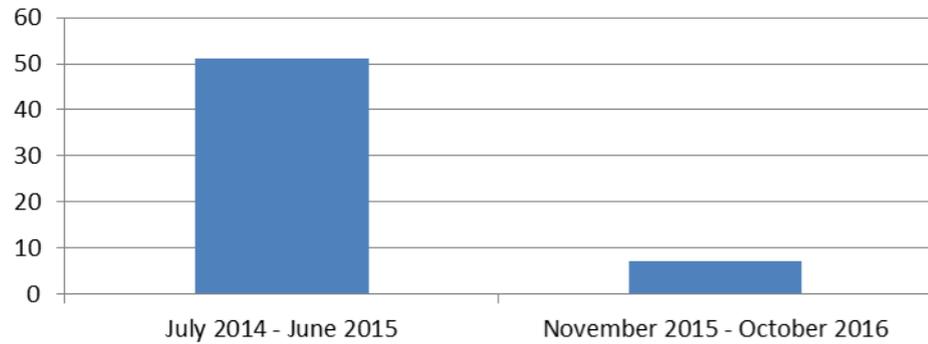
- CoG surface with explanation concerning selection of variables inside datasets

When 'Show Files' is clicked, or when using WGET or Globus, you may use an optional string to sub-select the filenames:

- Wget scripts with SSL-based authentication (option -H)

Support answer: use Oracle Java

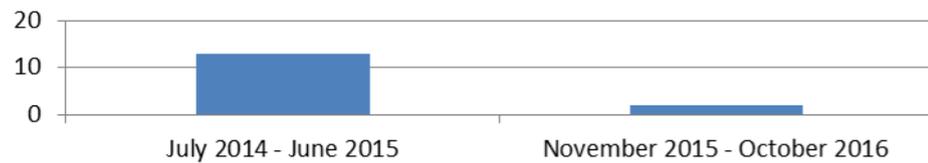


Support answer: use option -H



- Globus is working now if offered

Questions about Globus

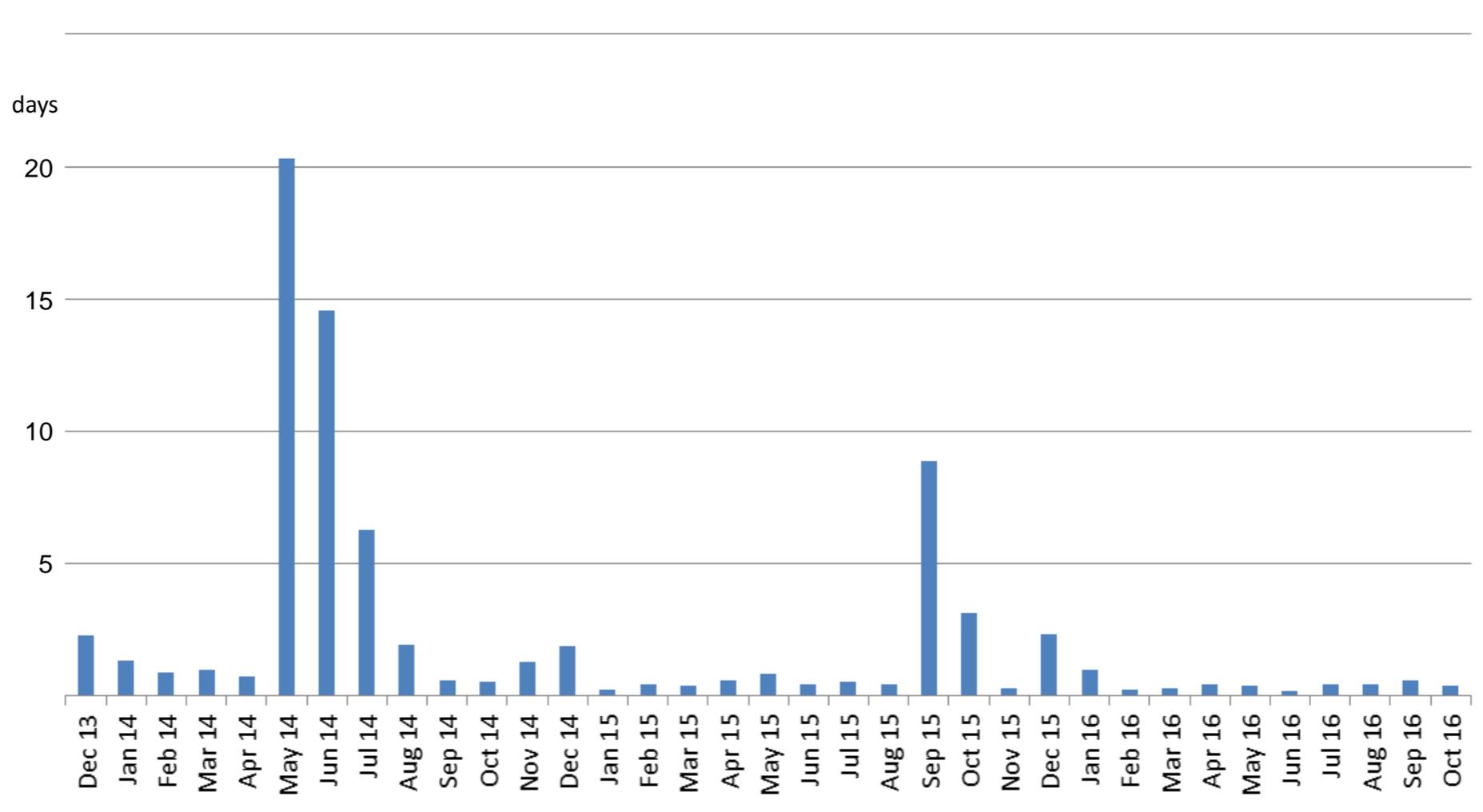


- Written help information easier to find after move to CoG via clickable image ↘

- New or completely revised tutorials

Response Times

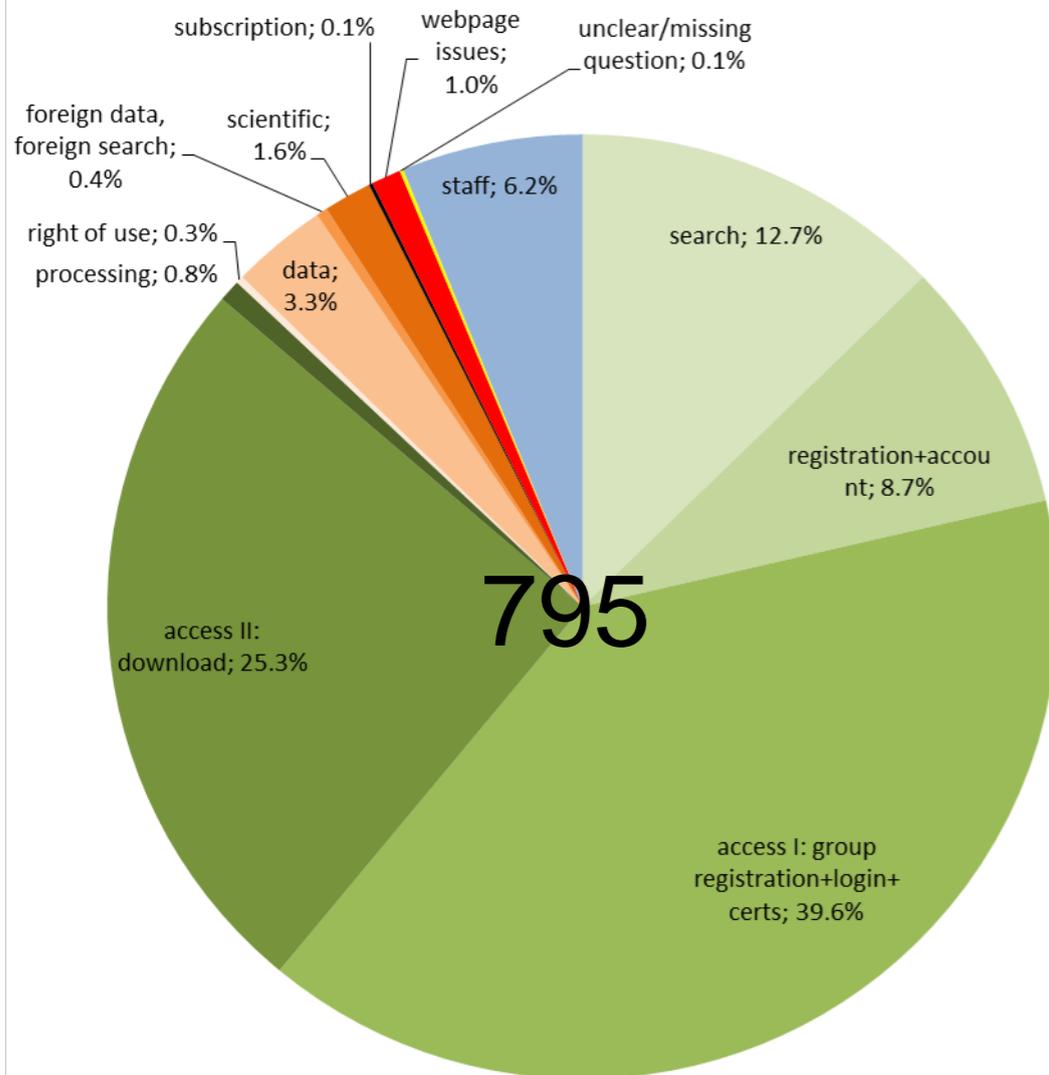
Mean of response times: first and following answers of ESGF support



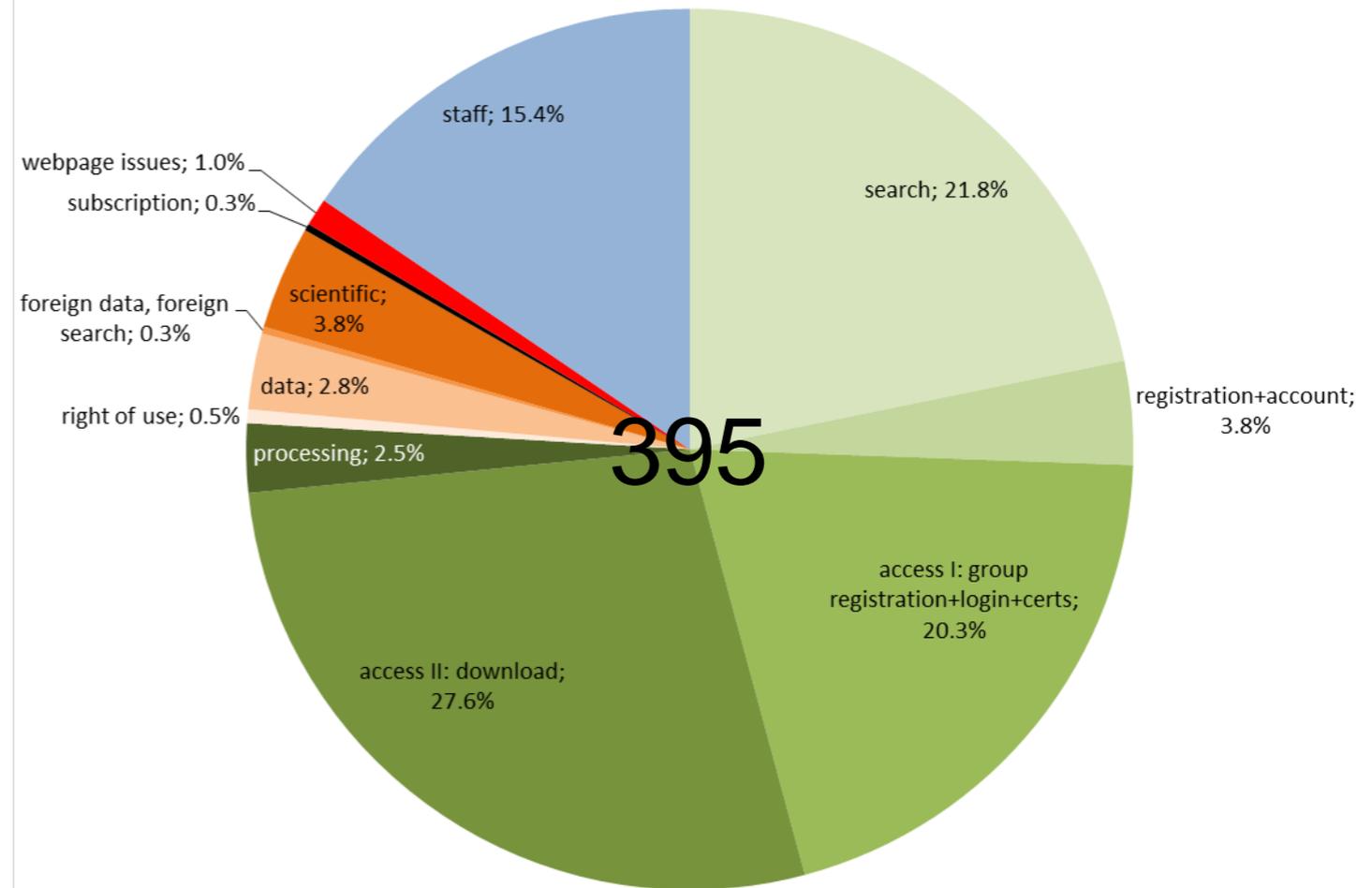
Temporal substitution for Torsten is working now. Thanks to Katharina and Hans!

Categories of Questions

Categories July 2014 - June 2015



Categories November 2015 - October 2016



- User support useful
- Web documentation difficult to use

- Planned Task: continuation of operational support and FAQ
- Planned Task: links to or copies of existing documentation into CoG

Additional Resources Needed (if any)

- Staff or funding needed since IS-ENES project will end end of March and Torsten's contract too