

QUICK GUIDE TO GETTING STARTED WITH THE DARK ENERGY SURVEY

Welcome to DES — we are glad you are interested in getting involved. You can expect to do great science as a DES collaborator. This Guide is a brief introduction to many aspects of the survey that you may wish to know about as you get started.

WEBSITES

- Doc-db [<http://des-docdb.fnal.gov:8080/cgi-bin/DocumentDatabase>] is the official repository of all DES documents, including policy documents, talks, papers, etc. The agenda for the DES collaboration meetings (and ideally all other DES group meetings) live here. You are encouraged to upload all your meeting and conference talks, papers and proceedings. If you are chairing a group meeting, create an event in doc-db. It is password protected with the standard password.
- The “project at work” website is [<https://cdcvs.fnal.gov/redmine/projects/des/wiki>], a Redmine site hosted at Fermilab. On this site are wikis for the working groups although some groups (e.g. the Cluster Working Group) use their own. You need to get a fnal account to access Redmine. Directions for doing so are here: <https://cdcvs.fnal.gov/redmine/projects/des/wiki/DESwikiAccess>
- The public website is <https://www.darkenergysurvey.org>. The “DES at Work” tab links to the Redmine page. There are links also to the DES photo archive, which is useful for talks.
- The old project website is <https://des.fnal.gov> — many sections are password protected with the usual password. This is being deprecated.
- Formal DES documents (e.g. Membership Policy, Science Committee charter, etc.) are collected on <https://cdcvs.fnal.gov/redmine/projects/des/wiki/DESpolicies>.
- The standard acknowledgements text that you should use in your papers is available here: <https://cdcvs.fnal.gov/redmine/projects/pubboard/wiki/Ack>
- There are many mailing lists. The working group ones are linked from Redmine. Other mailing lists also exist, such as des-astro which is hosted at Illinois.

DATA ACCESS

- Data reduction and object detection coordinated by the DES Data Management (DESDM) team. Their work is described here: <http://cosmology.illinois.edu>.
- The DESDM Confluence wiki provides information about various data challenges and updates to the reduction pipeline. You need an account to see these pages, which you can get by emailing help@cosmology.illinois.edu.
- Data products (e.g. images and object catalogs) are available on DESDM’s machines at NCSA. You need an account on the machines, which you can get by emailing help@cosmology.illinois.edu. Access is described on this page on Confluence.
- Mock galaxy catalogs can be downloaded from <http://www.slac.stanford.edu/~mbusha/mocks>, password protected with the normal DES password, or from the DESDM site (accessed as described above).
- The Brazil Portal also has data products and an analysis code repository. You can upload your code and work from there: <http://testing.des-brazil.org>

MEMBERSHIP, DATA RIGHTS, AUTHORSHIP

- The Membership Policy document explaining various categories of being a part of DES is doc-db 2503. Which category you can be in is different for students/postdocs vs faculty. Whether you can use and potentially share DES products with students depends on your category. People who are Members (with a capital M) are senior scientists (faculty, senior laboratory staff, senior research scientists) who have been admitted to

the collaboration by the Management Committee on the recommendation of the Membership Committee. Students and postdocs who work on DES with a Member are considered Participants. They do not need to be reviewed by the Membership Committee or voted on by the Management Committee.

The Membership Policy also describes what kind of DES data rights you retain when you move to a non-DES institution (depends on your membership type and your level of infrastructure contributions).

You can become a Member by contributing to survey infrastructure regularly, as discussed in the Membership Policy. There are clear guidelines for what counts as infrastructure available in doc-db 5247.

- The document describing author lists and who can opt in to which types of papers is the Publication Policy, doc-db 2334 (for example, if you have Builder status due to making significant infrastructure contributions you can opt in to many papers). This document also describes how to guide your own DES analysis through the process from inception to publication. Klaus Honscheid is the chair of the Publication Committee; contact him with questions.
- If you invited to or interested in giving a talk primarily on DES in a conference, you should contact the Speakers Bureau at des-speakers@fnal.gov. The chair of the committee is Ramon Miquel.

ORGANIZATION STRUCTURE

Many committees share the work of keeping DES running. A list of these committees with their members and the official org chart are compiled on the Committee Page. Some highlights:

- Each institution/consortium belonging to DES has an institutional representative. These institutional representatives together make up the Management Committee, which is the main governing body of DES. The Management Committee is chaired by Josh Frieman (DES Director/Chicago, Fermilab).
- The Membership Committee is chaired by David Gerdes (Michigan). Following the guidelines in the membership policy document, this committee recommends people for Membership status to the Management Committee (which makes the final decision). Note that the membership committee is not the Builder Status committee, which is anonymous to prevent conflicts.
- DES key science projects are coordinated by working groups. A list of the working groups is here: <https://cdcvs.fnal.gov/redmine/projects/des/wiki>. The co-chairs of each working group are listed here: <https://cdcvs.fnal.gov/redmine/projects/des/wiki/SCmembers>. Working groups also carry out acceptance tests on real and simulated data, provide input on survey strategy, help define the Survey Science Requirements, etc.
- The science working group co-chairs together comprise the science committee (doc-db 3005). This committee has overall responsibility for ensuring that the scientific program of the DES is carried out effectively. Ofer Lahav is the head of this committee.
- There are two collaboration meetings per year: one hosted at a US institution and one hosted at a non-US institution. There is an Early Career Scientists Group that meets at each collaboration meeting.