Getting Started with Digital Earth Australia

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| What do you want to do? | Where should you go? |
| I want to know more about Digital Earth Australia | Head to our website: <https://www.ga.gov.au/dea> |
| I want to know what data and products are available | Some key products that we have available are discussed on our webpage <https://www.ga.gov.au/dea/products>  A comprehensive (but less readable) list of all of our published products is available here <https://cmi.ga.gov.au/>. Note that we are currently upgrading this website and content.  We also have three data explorer webpages for exploring products available on AWS: [https://explorer.prod.dea.ga.gov.au/](https://explorer.prod.dea.ga.gov.au/aster_false_colour), the NCI: <https://explorer.dea.ga.gov.au/> and the Sandbox: <https://explorer.sandbox.dea.ga.gov.au/>.  DEA also produces DEA Hotspots, a tool for identifying potential bushfires across Australia: <https://hotspots.dea.ga.gov.au/>. |
| I want to know what projects DEA is working on | Every three months, DEA releases our Program Roadmap. This outlines all of the current and future work going on across the program. These roadmaps can be accessed via this webpage <https://www.ga.gov.au/dea/news> (just look for the newest Roadmap release).  We also have an internal map portal where our more experimental products are tested. You are welcome to take a look here <http://terria-cube.terria.io/#share=s-yBYwReXivJ9pbO6us9gWVePp50W> at these test products (this link is for the Wetlands Insight Tool). You can also look through the ‘Add Data’ options at other test products. Note that these products are not maintained or well documented, and may change at any time. |
| I want to view satellite imagery | Our online mapping portal is DEA Maps: [https://maps.dea.ga.gov.au](https://maps.dea.ga.gov.au/)  If you want some information on how to use this platform, click on the ‘help’ icon on the top right of the map screen.  Once you have some data loaded, click on the map to open the ‘Feature Information’ table, which contains a link to the data you have loaded.  This method of accessing data works best for downloading small amounts of data that you want to be able to see first. |
| I want to download data | Most of our data and products are available to download from <https://data.dea.ga.gov.au/>. The data are stored according to Albers Tiles, which means it can be a bit hard to navigate this data unless you know exactly what you are after.  Data we have not yet uploaded to AWS (like the basic surface reflectance data from Landsat, since it’s so large), can be accessed via THREDDS from the NCI <http://dap.nci.org.au/thredds/catalog.html> (see GA Earth Observations). Note that this site also splits up the data according to Albers Tiles.  If you’re not sure, use [https://maps.dea.ga.gov.au](https://maps.dea.ga.gov.au/) to visually explore the data first, or the data explorer [https://explorer.prod.dea.ga.gov.au/](https://explorer.prod.dea.ga.gov.au/aster_false_colour) (for data on AWS), or <https://explorer.dea.ga.gov.au/> (for data on the NCI), to find the data you want to download first. |
| I want to interact with the data and run some analyses | There are two ways to interact with DEA data:   * National Computational Infrastructure Virtual Desktop Environment * The DEA Sandbox   If you are with a research or government institution, you can register for an account to access the NCI <https://docs.dea.ga.gov.au/setup/NCI/README.html>. Products available via the NCI can be found here: <https://explorer.dea.ga.gov.au/>  Everyone can access the DEA Sandbox <https://docs.dea.ga.gov.au/setup/sandbox.html>. Products available via The Sandbox can be found here: <https://explorer.sandbox.dea.ga.gov.au/>  An introductory guide to accessing and contributing to DEA via both the NCI and the Sandbox can be found here: <https://github.com/GeoscienceAustralia/dea-notebooks/wiki>. |
| I want some examples on how to run analyses on DEA data | We have a comprehensive github repository filled with guides and hints for using the DEA API to load and analyse data <https://github.com/GeoscienceAustralia/dea-notebooks> or  <https://docs.dea.ga.gov.au/> (website rendered version, which is easier to navigate for people unfamiliar with github) |
| I want to access DEA data via web services | Information on what web services are available, and how to access them is here <https://ows.services.dea.ga.gov.au/> |
| I need some help | For general questions about DEA and the data and products we have, contact [dea@ga.gov.au](mailto:dea@ga.gov.au)  If you have technical questions, join our Slack channel for support <https://docs.dea.ga.gov.au/setup/README.html#getting-help> |
| I want to know of any current issues with DEA’s data and systems | Check out the service notification page for any notices of issues or downtime <https://status.dea.ga.gov.au/>.  You can also find out about and report issues through our Slack channel <https://docs.dea.ga.gov.au/setup/README.html#getting-help>. |
| I want to know about the Open Data Cube | The Open Data Cube is the name of the free and open source python software project underlying Digital Earth Australia. You can find out more here <https://www.opendatacube.org/>, or via the github repository <https://github.com/opendatacube>. |
| I want to subscribe to a mailing list to get future DEA program updates and information | Join our newsletter mailing list <https://communication.ga.gov.au/dea-news-subscribe> |