

Community Involvement In Enhancing the Global Change Master Directory (GCMD) Controlled Vocabularies (Keywords)



<http://gcmd.nasa.gov>

T. Stevens^{1,2}, S. Ritz^{1,2}, A. Aleman^{1,2}, M. Genazzio^{1,2}, M. Morahan^{1,3}, S. Wharton¹ (1 NASA/GSFC, 2 KBR WYLE, 3 ADNET Systems)

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Introduction

NASA's Global Change Master Directory (GCMD) has been developing and expanding a hierarchical set of controlled vocabularies (keywords) covering the Earth sciences for over twenty years. The keywords are accessible in a standardized SKOS/RDF/OWL representation and are being used as an authoritative taxonomy, as a source for developing ontologies, and as a mechanism to search and access Earth Science data within metadata catalogues. The keyword development approach involves: (1) receiving community suggestions, (2) triaging community suggestions, (3) evaluating the keywords against a set of criteria coordinated by the NASA ESDIS Standards Office (ESO), and (4) publication/notification of the keyword changes. For more information on the GCMD Keywords and the full governance process, visit the keyword landing page at <https://earthdata.nasa.gov/about/gcmd/global-change-master-directory-gcmd-keywords>.

Keyword Overview

GCMD Keyword Types:

- Earth Science
- Earth Science Services
- Data Centers
- Projects
- Instruments/Sensors
- Platforms/Sources
- Locations
- Horizontal Data Resolution
- Vertical Data Resolution
- Temporal Data Resolution
- URL Content Types
- Chronostratigraphic Units

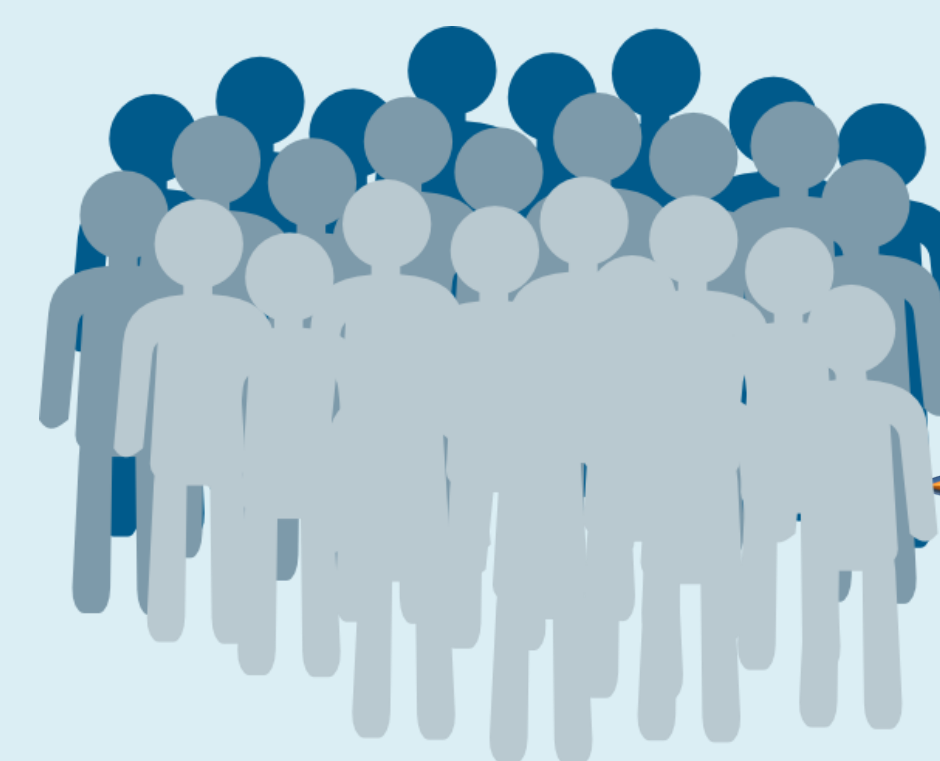
Earth Science Keywords

Earth Science Services Keywords

Keyword Hierarchy

Keyword Level	Example
Category	Earth Science
Topic	Atmosphere
Term	Weather Events
Variable Level 1	Subtropical Cyclones
Variable Level 2	Subtropical Depression
Variable Level 2	Subtropical Depression Track
Detailed Variable	(Uncontrolled Keyword)

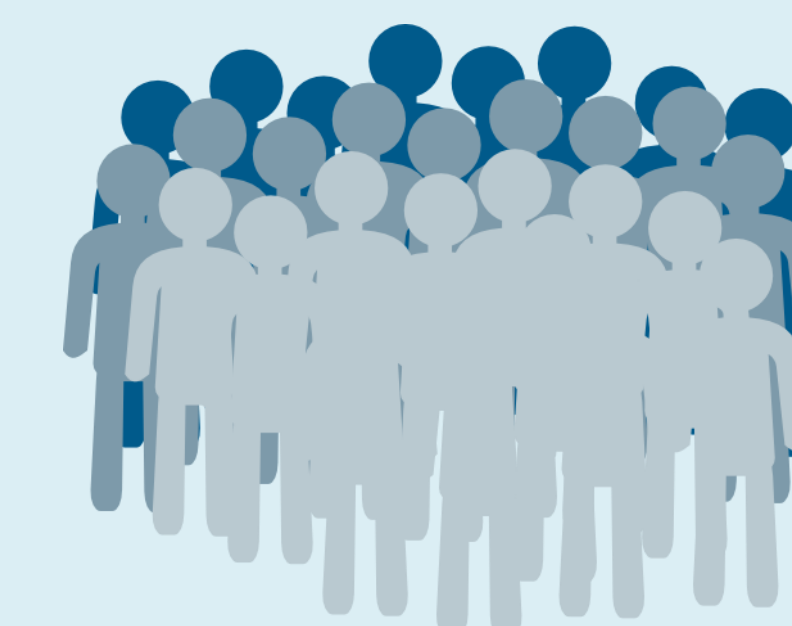
Keyword Community Forum



Have a Recommendation for a Keyword or a Question About the GCMD Keywords To Discuss?

The GCMD Keyword Community Forum provides keyword users and metadata providers with an area for discussion of topics related to the GCMD Keywords. Participants are invited to use the forum to ask questions, submit keyword requests, discuss trade-offs, and track the status of keyword requests. See <http://earthdata.nasa.gov/gcmd-forum>.

Keyword Review Process



What is the review process when submitting a keyword suggestion?

User Submits Keyword Request

Triage Keyword Request

Review by Subject-Matter Experts

Publish Keywords

Keyword Release Announcement

Become a Keyword Reviewer

The GCMD Keywords review is facilitated by the NASA Earth Science Data and Information Systems (ESDIS) Standards Office (ESO) and involves subject-matter experts reviewing proposed keywords biannually using a set of criteria and filling in a questionnaire with feedback. If you are interested in becoming a keyword reviewer, please contact the ESO at eso-staff@lists.nasa.gov.