

Changes to Portal Platform Keyword Facets

10 Mar 2022

To:	Users of the GCMD Platform Keywords, Earth Data Search Client (EDSC), and IDN, SOOS, AMD Portals Earth Data Search Client: https://search.earthdata.nasa.gov/search Portals: https://search.earthdata.nasa.gov/portal/idn/search https://search.earthdata.nasa.gov/portal/soos/search https://search.earthdata.nasa.gov/portal/amd/search GCMD Keywords: https://earthdata.nasa.gov/earth-observation-data/find-data/idn/gcmd-keywords
Subject:	Platform Keyword Facet Search Refinement and GCMD Platform Keyword Changes
What's Happening:	<i>All changes will be published on March 16, 2022.</i> Changes to the CEOS IDN, SOOS, AMD Portals - Enhanced Platform Facet Search Refinement - A more finely-grained query refinement enables users to locate the desired Platform faster resulting in more precise search results. Changes to the GCMD Keywords (KMS) Platform Keyword Hierarchy

- Added New Top Level Keyword: "Basis"
- Added 6 new Keywords at the "Basis" level:
 - **Air-based Platforms**
 - **Land-based Platform**
 - **Living Organism-based Platforms**
 - **Other**
 - **Space-based Platforms**
 - **Water-based Platforms**
- Renamed and Expanded the "Category" Level
- Renamed "Series_Entity" Level to "Sub_Category"

Note: Sub_Category keywords are only listed for Buoys, Fixed Platforms, Vessels, Uncrewed Vehicles. Please download the CSV file to view the full list of Platform Sub_Category Keywords)

- Air-based Platforms
 - **Balloons**
 - **Dropwindsondes**
 - **Jet**
 - **Propeller**
 - **Rotorcraft/Helicopter**
 - **Rockets**
 - **Sounding Rockets**
 - **Uncrewed Aerial Vehicles**
- Land-based Platform
 - **Field Sites**
 - **Permanent Land Sites**
 - **Vehicles**
- Living Organism-based Platforms
 - **Living Organism**
- Other
 - **Charts**
 - **Maps**
 - **Models**
 - **Photographs**
 - **Physical Models**
 - **Reports**
- Space-based Platforms
 - **Earth Observation Satellites**
 - **Interplanetary Spacecraft**
 - **Navigation Satellites**
 - **Solar/Space Observation Satellites**
 - **Space Stations/Crewed Spacecraft**
- Water-based Platforms
 - **Buoys**
 - **Moored**
 - **Unmoored**
 - **Fixed Platforms**
 - **SubSurface**
 - **Surface**
 - **Vessels**
 - **SubSurface**
 - **Surface**
 - **Uncrewed Vehicles**
 - **SubSurface**
 - **Surface**
- Modified some "Sub_Category" (formerly "Series_Entity") Keywords for constancy.
 - Old: DMSP(Defense Meteorological Satellite Program)
 - New: Defense Meteorological Satellite Program (DMSP)
 - Example
- Draft of the new Platform Keywords (CSV)
 - [platforms.csv](#)
- **CMR RESTful** ([Search API](#))
 - Supports Hierarchical Facet Searches.
 - More Information: [CMR Search API Documentation](#)
 - Example: https://cmr.uat.earthdata.nasa.gov/search/collections?pretty=true&platforms_h%5B0%5D%5Bbasis%5D=Space-based+Platforms
- **KMS RESTful** ([KMS](#))
 - Modified [KMS RESTful CSV Output](#) for new column headers
 - Old: Category | [Series_Entity](#) | Short_Name | Long_Name | UUID
 - New: **Basis** | Category | [Sub_Category](#) | Short_Name | Long_Name | UUID
- **GCMD Keyword Viewer** ([GKV](#))
 - Supports the new Platform Hierarchy.

Action Needed:	• No Action needed for portals. • Metadata curators creating new metadata must use the new "Category" values in the UMM-C/PlatformType "Type" field (if Cmr-Validate-Keywords=True) ◦ Support for new "Type" keywords is built in if you use MMT or dMMT to create a new collection. ◦ Example: Platform Keyword with old value and with new value ECHO-10 - Old: <pre> <Platforms> <Platform> <ShortName>NASA DC-8</ShortName> <LongName>NASA Douglas DC-8</LongName> <Type>Aircraft</Type> <Instruments> <Instrument> <ShortName>Cameras</ShortName> </Instrument> </Instruments> </Platform> </Platforms> </pre> New: <pre> <Platforms> <Platform> <ShortName>NASA DC-8</ShortName> <LongName>NASA Douglas DC-8</LongName> <Type>Jet</Type> <Instruments> <Instrument> <ShortName>Cameras</ShortName> </Instrument> </Instruments> </Platform> </Platforms> </pre> • Metadata curators updating existing metadata where the "Category" values in the UMM-C/PlatformType "Type" field have changed can update their metadata over time as Progressive Update permits ingest of metadata with existing errors (for as long as new errors are not introduced).
Who is Affected?	Users of the GCMD Platform Keywords and CEOS IDN, SOOS, AMD Data Set Search Portals
Support:	If you have any further questions, contact IDN Operations • Email: support@earthdata.nasa.gov