



Natural Resources
Canada

Ressources naturelles
Canada

FGP Metadata Training

Federal Geospatial Platform



Canada 

Table of Contents

- 1. Federal Geospatial Platform (FGP)**
2. Metadata Overview
3. Harmonized North American Profile (HNAP)
4. Updating Metadata in GCGeo
5. FGP Resources
6. Questions



1. The Federal Geospatial Platform

- **Vision:** The Federal Government is Geo-Enabled
- **Mission:** Provide the go-to place for government and citizens to access authoritative geospatial data, tools, and analytics to inform location-based decision-making

32 Federal Depts/Agencies
4 Provinces

5000+ Open Datasets

Full integration with
Open Government

Cloud data
repository

Online collaborative
mapping

Priority and emergency
mapping – Fire, Flood,
COVID

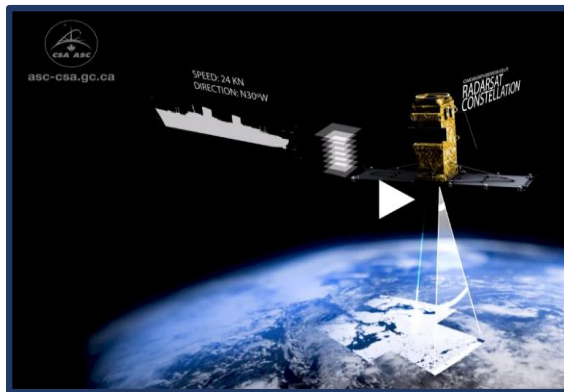


1. The Federal Geospatial Platform

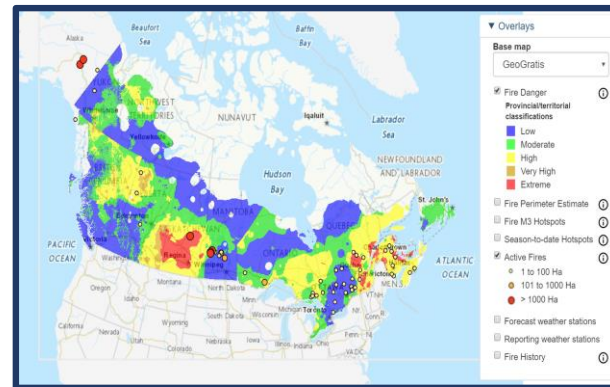
Partnerships

FGP is enriching the quality and quantity of it's content through **collaboration and strong relationships**

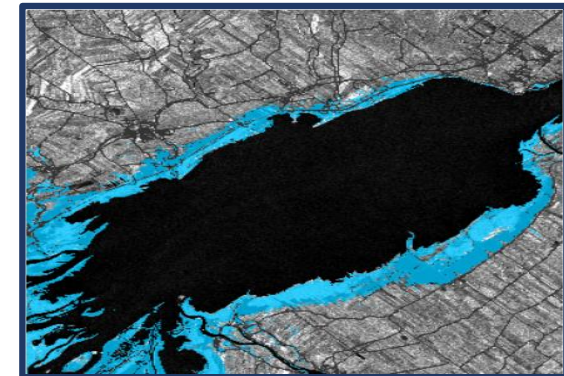
- **Collaboration** with Provinces and Territories through the Canadian Council on Geomatics.
- **Strong relationships** with many federal departments to continuously onboard federal data
- National Airphoto Library (NAPL) – NRCan archives
- OSDP
- Expanding open availability of Earth Observation (EO) data by partnering with the Canadian Space Agency (CSA)
 - Radarsat Constellation Mission (RCM) – CSA



EO Data



Fire



Floods



1. The Federal Geospatial Platform

Open Science and Data Platform (OSDP)

- The 2018 Regulatory Review found Canadians were concerned about the cumulative effects (CE) of development activities.
- The Open Science and Data Platform (OSDP) is one of the GoC's approach to better understand the CE.
- Why using geomatics? Because CEs accumulate geographically and across time; geospatial content and visualization are key components of the OSDP.
- The OSDP is a cross-departmental, cross-sectoral initiative that builds on work from the FGP (institution and platform) and other platforms e.g. regulatory registries, publications databases and libraries.
- The OSDP technical infrastructure builds upon work undertaken by the NRCan/FGP and others.
- Visit the OSDP : <https://osdp-psdo.canada.ca/dp/en>



Government of Canada / Gouvernement du Canada

Search Canada.ca

MENU

Canada.ca

Contact us Tell us what you think!

Open Science and Data Platform

The Open Science and Data Platform provides access to science, data, publications and information about development activities across the country that can be used to understand the cumulative effects of human activities to support better decisions in the future.

Start your search:

Search by keyword(s) e.g. emission "air quality" or by location e.g. "Cold Lake"

Search by location using the interactive map

Explore by area

Tips for searching and navigating the Platform

Learn about cumulative effects

Learn about development activities

What's new - November 2021

- [Government of Yukon data](#)
- [Health Canada data and publications](#)
- [Transport Canada's Navigation Protection Program Registry](#)
- [Water quality monitoring stations across Canada](#)
- [Air quality monitoring stations across Canada](#)
- [Learn about Canada's economy and industry](#)
- [Article: Experts work together for a common goal in Fox Creek, AB](#)

The Open Science and Data Platform provides access to thousands of records of cumulative effects related data, publications, maps and information about development activities. New information is added as we engage with additional content providers.

Find out more about the [Open Science and Data Platform](#).

Report a problem or mistake on this page

Date modified: 2021-11-22 Build: osdp-r5.1-6823.

Contact us News Prime Minister
Departments and agencies Treaties, laws and regulations About Government
Public service and military Government-wide reporting Open government

Social media • Mobile applications • About Canada.ca • Terms and conditions • Privacy

Canada

Table of Contents

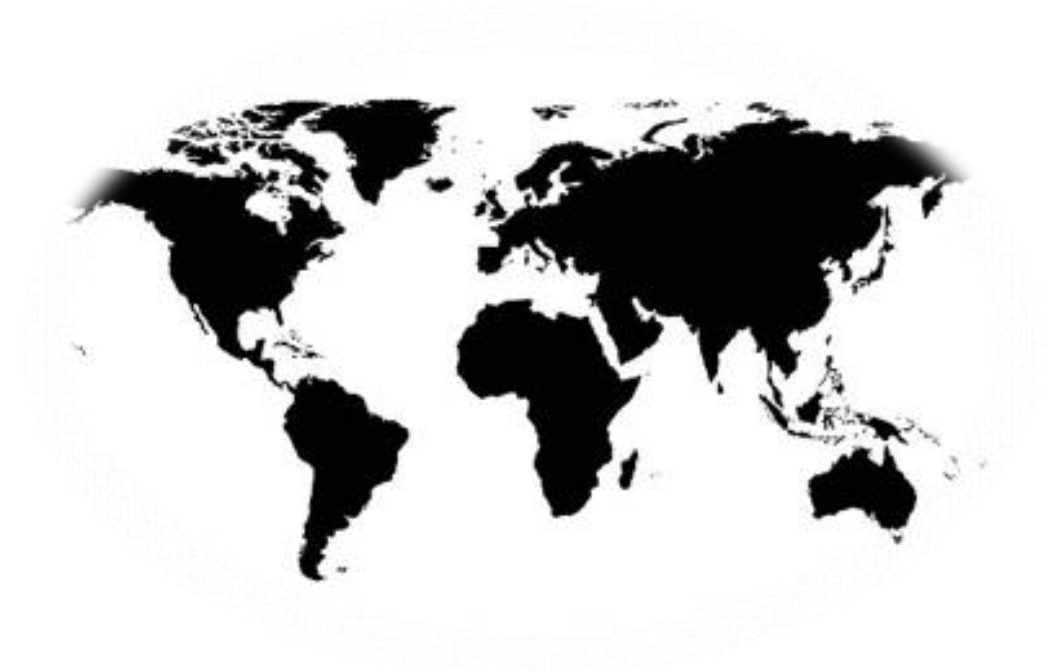
1. Federal Geospatial Platform (FGP)
- 2. Metadata Overview**
3. Harmonized North American Profile (HNAP)
4. Updating Metadata in GCGeo
5. FGP Resources
6. Questions



2. Metadata Overview

What is Metadata?

- The International Organization for Standardization (**ISO**) defines Metadata as “**information about a resource**”.
- **Without metadata, data is easily lost** and can be misinterpreted out of context thus losing its **meaning**.
- One of the prime uses of metadata is **Data Discovery**. In order to find data one needs to be able to **describe it**.
- In the context of **geospatial metadata**, a map or chart is not of much use unless one knows:
 - **who** produced it
 - **what** is included in the map
 - **where** it is depicting
 - **when** it was made (or some other reference date)
- This training will divide the Metadata Indicators into these categories.



2. Metadata Overview

Metadata Standards

- The establishment of common standards for metadata is intended to alleviate problems related to the **discovery of data and its interpretation and use**.
- There are standards developed at several levels (internationally, bi-nationally, and for the Government of Canada) that establish what metadata is needed for geospatial data.
- The standards establish a **vocabulary** with agreed upon **definitions** giving a **common dictionary**.
- The standards are effectively a **shopping list** of metadata elements.
- Profiles and Product Specifications are required for implementation.
- Metadata has been **standardized**, but the standards provide a lot of choice to accommodate the many possible sources, types, and uses of such data.
- The metadata standards establish a common contextual view so that different users of the data and services can interpret the data they access for their own use in a **compatible manner**.
- The risk of not establishing common metadata standards and profiles is that money and time would be wasted on inoperable systems.



2. Metadata Overview

How does Metadata work in FGP Terms?



- The Federal Geospatial Platform (FGP), Open Map, and Open Science and Data Platform (OSDP) initiatives depend on **common metadata**.
- Helps you **search and discover** datasets
- To provide easy and open access to authoritative data, search, discovery (through the catalogue), and visualization services that are built once and reused many times across multiple departments and agencies.
- FGP provides the discovery, access and publication services.



Table of Contents

1. Federal Geospatial Platform (FGP)
2. Metadata Overview
- 3. Harmonized North American Profile (HNAP)**
4. Updating Metadata in GCGeo
5. FGP Resources
6. Questions



3. HNAP

What is HNAP?

- NAP is the North American Profile of ISO 19115 adopted as a bi-national standard between Canada and the USA.
 - Uses several coded lists, whereas the ISO standard allowed open text strings.
 - It made **multi-lingual** support mandatory.
 - The NAP-Metadata standard is a Type I (subset) profile of the ISO 19115:2003 standard with permitted options exercised.
- The [Harmonize ISO 19115:2003 / North American Profile \(HNAP\)](#) is a version of NAP that adds requirements pertinent to the Canadian Government.
 - HNAP is the **minimum level** needed in the Government of Canada to support the FGP and Open Maps / OSDP
 - Allow for the support of **French, English** and Spanish in a North American context, the **multi-lingual support** extends to support of **indigenous languages**.
 - It was developed by a number of metadata focus groups in several different departments working in support of FGP.
 - HNAP reduces the number of values in code lists “In order to focus efforts and reduce duplication”.
 - HNAP also reduces the optionality so that the mandatory minimum is clear.



3. HNAP

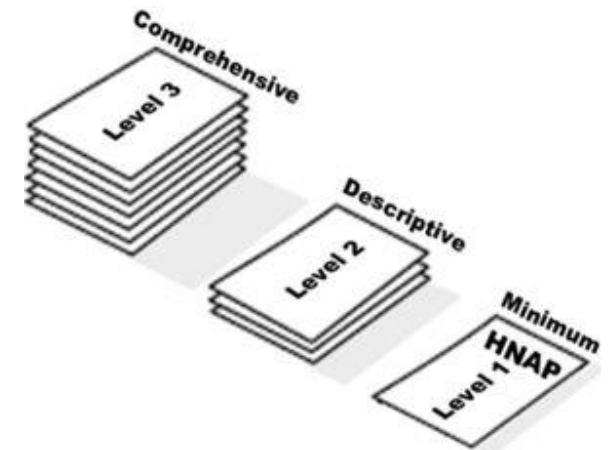
Metadata Levels

Level 1 – Mandatory - Data Discovery Metadata - represents the minimum needed for Data Discovery.
(NOTE: FGP Only requires Lv1)

Level 2 – Optional - Descriptive Data - describes general geospatial data and allows it to be interpreted.

Level 3 – Conditional - Comprehensive Product Specification Metadata is for well-defined product specifications and allows additional metadata elements from external sources.

- A formal data product should have an accompanying Product Specification that documents all aspects of the data.
- Metadata tailored to address a specific product such as scientific data.



3. HNAP

Metadata minimum Partner Information Form

Provide the information needed to FGP Contributor Support to create the metadata record for you

- Fields in green are mandatory, they contain the minimum HNAP values.
- Fields in yellow are optional, but recommended information.
- Some fields must be filled using a dropdown menu containing a predetermined set of values.

Product/Dataset Title <i>Titre du produit ou du jeu de données</i>	Name by which the product or the data is known. <i>Nom par lequel le produit ou le jeu de données est connu.</i>		L19	English: <i>Anglais :</i>	
			L20	French: <i>Français :</i>	
Date <i>Date</i>	Any date that applies to the data. Shall be provided for creation, publication and (where applicable) revision. Must be consistent with the following format: YYYY-MM-DD, YYYY,MM or YYYY. <i>Toute date qui s'applique aux données. Doit être fournit pour création, publication et (lorsqu'applicable) révision. Doit correspondre à un des formats suivants : AAAA-MM-JJ, AAAA-MM ou AAAA.</i>		L21	Creation Date: <i>Date de création :</i>	
			L23	Publication Date : <i>Date de publication :</i>	
				Revision Date: <i>Date de révision :</i>	



3. HNAP

Examples of Metadata in the FGP

- [Location of mill facilities](#)
- [CanCoast - Tidal Range Version 6.0](#)
- [Physiographic Regions of Canada](#)
- [2015 Land Cover of Canada](#)
- [Major Projects Inventory - Line Geometry](#)
- [Floods in Canada - Cartographic Product Collection](#)



3. HNAP

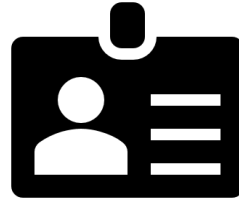
FGP/HNAP Mandatory Metadata Fields

- **WHO?**
 - Point of Contact for Metadata
 - Point of Contact for Data
 - Supplemental Point of Contact for Data (Optional)
 - Point of Contact Distribution
- **WHAT?**
 - Product/Dataset Title
 - Abstract
 - ISO Topic Category characterization
 - Descriptive Keywords
 - Additional Keywords (Optional)
 - Resource Constraints
 - Spatial Representation Type
- **WHERE?**
 - Spatial/Temporal Extent
- **WHEN?**
 - Date - creation/publication
 - Status
 - Maintenance / update frequency



3. HNAP

Who? Point of Contact



- Point of Contact Types:
 - Metadata
 - Data
 - Supplemental Point of Contact for Data - Optional
 - Distribution
- Note: **At least one point of contact** must be given for Metadata, Data and Distribution.
- **The FGP Team should not be used as a point of contact for the Data/Metadata**



3. HNAP

Who? Point of Contact: HNAP Elements

- Optionally an Individual name can be given as a main point of contact for the Metadata/Data/Distribution
 - Provide the name in the format: surname, given name - separated by a comma.
- **Organization name** as a main point of contact for the **Metadata/Data/Distribution** is mandatory.
 - Selected from a **list** in the FGP metadata editor.
 - Department or agency titles will conform to the **Applied Title** as defined in the [Federal Registry of Applied Titles](#) [multi-lingual]
 - The **format** must conform to: Government of Canada; Applied title [multi-lingual].
 - Sub-organization and sub-sub-organization (sectors, branches, etc.) may optionally be added, separated by semicolons.
- Optionally an **Individual position** as a main point of contact for the Metadata/Data/Distribution
 - Enter the full position of the individual, do not include title or organization name.
- **Electronic mail address** of the individual or the organization is mandatory.

Metadata Contact
Data Contact
Distributor Contact



3. HNAP

What?

- **What** is established by the Title and the Abstract of the data.
 - The **Title** is what the dataset is known by and is of primary importance.
 - The **Abstract** is more descriptive. summary of the contents of the data
- For Canadian government data, the Title and Abstract must be **bilingual** so that they can be understood in both French and English.
- Example
 - [Air pollutant emissions – Fine particulate matter emissions by facility, Canada](#)



3. HNAP

What? Product/Dataset Title

- Naming plays a key role in making the **data discoverable and easily identifiable** by others.
- The Title should conform to [FGP naming convention](#):
 - If the dataset or resource being described already has an existing official name, this name should be used, but the following guidelines should still be considered:
 - Lead with the subject of the data, what is it about.
 - Restrict names to less than 70 characters. Where this is not possible, start name with the most meaningful terms.
 - Where it helps to describe the dataset more accurately:
 - a place name can be added
 - a date or date range compliant with ISO 8601 (YYYY, YYYY-MM, YYYY-MM-DD) can be added.
 - a ratio scale of the data can be added (1:50 000, 1: 5 000)
 - Use plain language.
 - Avoid starting title with 'The' or 'An' or 'A'
 - Avoid the use of special characters
 - Avoid the use of acronyms, or ensure acronyms are defined within the metadata abstract.
 - Do not include organization/originator name in the title.

Sensitivity of communities and regions to forest industry

Add to Map Cart

View this map

Description

Many communities in Canada depend to some extent on forestry and the forest sector. The importance of the forest industry to the regional economy can be assessed using the Canadian Forest Ecumene GIS (Geographic Information System) Database. "Ecumene" is a term used by geographers, meaning "inhabited lands." A forest ecumene refers to areas where human settlement coincides with forested areas.



3. HNAP

What? Product/Dataset Title

- The dataset name is displayed in the catalogue Search/Browse results page.
- Dataset name examples that conform:
 - ✓ Monitoring of greenhouse gases, Ontario, 2002
 - ✓ Emerald ash borer regulated areas
 - ✓ Canadian railway network - 1:50 000
- Dataset name examples that **do not** conform
 - ✗ LC15 Goose data, 2004
 - ✗ LC15 is not meaningful outside program/department

[Automobile shredders - Metallurgical Works](#)



This dataset provides information related to active automobile shredders operating in Canada during the given reference year. The dataset is maintained by the Minerals and Metals Sector, Natural Reso...

Add to Map Cart



3. HNAP

What? Abstract/Description

- Brief narrative **summary** in English and French of the dataset content.
- Unlimited number of characters.
- Abstract should be **clear and concise**.
- Acronyms should not be used or are fully explained.
- The most relevant information is expressed in the first lines of the abstract.
- URIs used to denote things, so that people can point at your dataset
- **Abstract is coherent and describes map content correctly**
- When using Group datasets, ensure to list the datasets that are in your group layer.



3. HNAP

What? Abstract/Description Example

Canadian Wind Turbine Database

[Add to Map Cart](#) [View this map](#)

Description

The Canadian Wind Turbine Database contains the geographic location and key technology details for wind turbines installed in Canada.


This dataset was jointly compiled by researchers at CanmetENERGY-Ottawa and by the Centre for Applied Business Research in Energy and the Environment at the University of Alberta, under contract from Natural Resources Canada.

Note that total project capacity was sourced from publicly available information, and may not match the sum of individual turbine rated capacity due to de-rating and other factors. The turbine numbering scheme adopted for this database is not intended to match the developer's asset numbering.

This database will be updated in the future. If you are aware of any errors, and would like to provide additional information, or for general inquiries, please use the contact email address listed on this page.

Geographic Extent **Time Period**

Thumbnail Extent



Data Classification



3. HNAP

What? ISO Topic Category

- ISO has established a **Topic Category** list that can be used as a rough organization of data.
 - This list provides a consistent categorization.
- The topic categories are more useful as a data filter than as a search mechanism.
- They represents the main theme(s) of the dataset.
- Multiple entries may be selected, however it is recommended to limit it to 5
- [napMD TopicCategoryCode](#) Options:
 - [farming](#), [biota](#), [boundaries](#), [climatology](#), [Meteorology](#), [Atmosphere](#), [economy](#), [elevation](#), [environment](#), [geoscientificInformation](#), [health](#), [imageryBaseMapsEarthCover](#), [intelligenceMilitary](#), [inlandWaters](#), [location](#), [oceans](#), [planning](#), [Cadastre](#), [society](#), [structure](#), [transportation](#), [utilities](#), [Communication](#)

Data Classification

Product

Extreme Weather Indices

GC Core Subject Thesaurus

Wind, Farmlands, Weather forecasts, Weather, Climate, Meteorology, Agriculture

Topic category

Climatology, meteorology, atmosphere



3. HNAP

What? Thesaurus Keywords

- The use of **Keywords** is a very powerful way to **search for and find data**.
- The provision of at least one Keyword is **mandatory** in the Canadian Government HNAP metadata profile.
- In order to avoid creating data silos it is important that keywords are **bilingual**.
- Keyword must be supplied from the [Government of Canada Core Subject Thesaurus](#).
- Only preferred terms can be used.
- Choose the **most specific terms available** when describing the subject of a resource.
- Add as many keywords as needed, separated by a comma.



The screenshot shows the 'Government of Canada Core Subject Thesaurus' search page. It features a navigation bar with 'About the Thesaurus', 'Search Thesaurus', and 'Indexing with the Thesaurus'. The main search area includes a search box, a 'Submit' button, and a 'Reset' button. There are also links for 'Browse Subject Categories', 'Help', 'News and Recent Changes', 'Indexing with the Thesaurus', 'Downloadable Versions', 'Suggestions and Comments', and 'Site Map'. The search instructions prompt the user to 'Enter a word, part of a word or a phrase:' and to 'Select a search type:' with options for 'Browse the alphabetic list of terms' (selected) and 'Search anywhere in the terms'.

Data Classification

Product

Extreme Weather Indices

GC Core Subject Thesaurus

Wind, Farmlands, Weather forecasts, Weather, Climate, Meteorology, Agriculture

Topic category

Climatology, meteorology, atmosphere



3. HNAP

What? Additional Keywords

- Optional
- Other commonly used words which describe the dataset not supplied from the Government of Canada Core Subject Thesaurus.
- Add as many keywords as needed, separated by a comma.
 - **Note: It is recommended to limit the amount of keywords to 15**
- Should **not** be provided in a hierarchical fashion i.e.: Natural resources -> Mining -> Metals -> Copper.



Data Classification
Product Extreme Weather Indices
GC Core Subject Thesaurus Wind, Farmlands, Weather forecasts, Weather, Climate, Meteorology, Agriculture
Topic category Climatology, meteorology, atmosphere



3. HNAP

What? Resource Constraints

- 5.4.2.1 Use Limitation (Mandatory) - For data assessed and approved for release under the Open Government License - Canada use Limitation shall be mandatory. *Automatically generated by FGP Data Catalogue*
- 5.4.2.2 Access Constraints (Mandatory) - For data assessed and approved for release under the Open Government License - Canada use Limitation shall be mandatory. *Automatically generated by FGP Data Catalogue*
- 5.4.2.4 other Constraints (Optional) - Any other access or use constraint other than: [Open Government License - Canada](#) – (License)

Resource constraints

Use Limitation

Open Government Licence - Canada (<http://open.canada.ca/en/open-government-licence-canada>)

Access Constraints

License

Use Constraints

License

Other constraints

Total project capacity was sourced from publicly available information, and may not match the sum of individual turbine rated capacity due to de-rating and other factors.

Other constraints

The turbine numbering scheme adopted for this database is not intended to match the developer's asset numbering.



3. HNAP

What? Spatial Representation Type

- 5.3.1.7 *napMD_SpatialRepresentationTypeCode*
- Object(s) used to represent the geographic information.
- This is an internationally standardized list that provides a consistent categorization
- Multiple entries may be selected.
- The [Spatial Representation Type Code](#) types of data:
 - [vector](#) data, such as GIS line work files
 - [grid](#) data, such as an elevation model or imagery
 - [textTable](#) data, such as a table of measurements
 - Triangular Irregular Network ([tin](#)) data, consisting of a set of triangles covering an area
 - [stereoModel](#): three-dimensional view formed by the intersecting homologous rays of an overlapping pair of images
 - [video](#) data: scene from a video recording
- This code list of spatial representation types **does not address all types of data**, try to use the one that **best represents** your data.

North American Cooperation on Energy Info	
Spatial representation type	
Vector	
Language	



3. HNAP

Where? Spatial Extent

- Describes the spatial (horizontal and/or vertical) and the temporal coverage in the resource.
- Latitude and Longitude are described in decimal degrees with longitude from -180 to 180 degrees and latitude from -90 to 90 degrees.
- **The spatial extent can be defined by drawing rectangle on the map in the FGP metadata editor.**
- The temporal extent includes a **beginning date and an ending date.**
- The vertical extent is optional.

5.3.1.13 extent (EX_Extent 5.13)	5.13.3 Geographic Bounding Box (EX_GeographicBoundingBox)	5.13.3.2		westBoundLongitude	Mandatory	Geographic Bounding Box, Minimum Longitude for the data.	(ex:-141.003)
		5.13.3.3		eastBoundLongitude	Mandatory	Geographic Bounding Box, Maximum Longitude for the data.	(ex:-52.6380)
		5.13.3.4		southBoundLatitude	Mandatory	Geographic Bounding Box, Minimum Latitude for the data.	(ex:41.6766)
		5.13.3.5		northBoundLatitude	Mandatory	Geographic Bounding Box, Maximum Latitude for the data.	(ex:83.3362)
	5.13.5 Temporal Element (EX_TemporalExtent)	5.13.5.1 extent (TM_Period)	5.13.5.1		beginDate	Mandatory	Beginning or Start date of the time period that a particular dataset covers or describes. Must be consistent with one of the following format: YYYY-MM-DD, YYYY-MM or YYYY
			endDate	Optional	Final date of the dataset. An unknown endDate is possible if the dataset is still "valid" for the current time period. Therefore endDate is optional. Must be consistent with one of the following format: YYYY-MM-DD, YYYY-MM or YYYY	(ex:2014-12-31)	

https://ftp.maps.canada.ca/pub/fgp_pgf/contributors_contributeurs/HNAP_Metadata_Minimum_Information_V25.xlsx



3. HNAP

Where? Spatial Extent - Geographic Bounding Box

- 5.13.3 Geographic Bounding Box ([EX GeographicBoundingBox](#)):
 - Geographic position of the dataset
 - NOTE: This is only an approximate reference so specifying the coordinate reference system is unnecessary
- The location to which the dataset applies is the other most common query to find data. Location is given by an **Extent**.
 - The geographic extent is normally a bounding box.



3. HNAP

Where? Temporal Extent

- 5.13.5 Temporal Element ([EX TemporalExtent](#))
- Time period that the dataset covers or describes.
- A Beginning date and a Final date is used to describe this time period.
- Only the **beginning date is mandatory** when the dataset is still "**valid**" for the current period.
- The **beginning date may match the reference date** for the dataset, but for some types of scientific data it may be a different date.
- If the ending date is missing it implies the present or an **open-ended date**
- A **time period** must be supplied for **each** geographical extent when there are **multiple extents** (available in the upcoming version of the catalogue.)

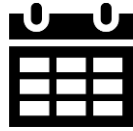


Geographic Extent	Time Period
SW: -141 41.68	From: 2000
NE: -52.62 83.11	To: 2016



3. HNAP

When? Date



- The date is associated with the **metadata** and needs to be revised whenever the metadata for a particular data entry is changed.
- The **currency** of the data is very important, but it is difficult to establish a date for data. Do we want the date that the data was collected, published, made available for access, or other status?
- Also, the metadata may be generated after the dataset and may have a separate date.
- Both the creation and publication dates are **mandatory**.



3. HNAP

When? Date

- Must be provided for:
 - Creation date
 - Publication date
 - *(where applicable) Revision date - optional.*
- Must be consistent with the following format:
 - YYYY-MM-DD,
 - YYYY,MM or
 - YYYY.
- Example:
 - 2019-05-30 (Publication)
 - 2013-04-17 (Creation)

Additional Information

Identification info

Date

2020-03-20 (Publication)

Date

2019-11-01 (Creation)



3. HNAP

When? Status

- Status 5.3.15
 - The development phase of the dataset.
- [napMD ProgressCode](#)
 - [completed](#) - production of the data has been completed
 - [historicalArchive](#) - data has been stored in an offline storage facility
 - [obsolete](#) - data is no longer relevant
 - [onGoing](#) - data is continually being updated
 - [planned](#) - fixed date has been established upon or by which the data will be created or updated
 - [required](#) - data needs to be generated or updated
 - [underDevelopment](#) - data is currently in the progress of being created
 - [proposed](#) - data about which parties have demonstrated interests but funding is not secured and partnerships are sought

Status

Completed

Maintenance and Update Frequency

As needed



3. HNAP

When? Maintenance and Update frequency

- 5.6.1 Maintenance and Update Frequency:
 - Revision cycle of the data.
- [napMD MaintenanceFrequencyCode](#):
 - [continual](#) - data is repeatedly and frequently updated,
 - [daily](#), [weekly](#),
 - [fortnightly](#) - data is updated every two weeks
 - [monthly](#), [quarterly](#), [biannually](#), [annually](#),
 - [asNeeded](#) - data is updated as deemed necessary,
 - [irregular](#) - data is updated in intervals that are uneven in duration
 - [notPlanned](#) - there are no plans to update the data
 - [unknown](#) - frequency of maintenance for the data is not known
 - [semimonthly](#) - data is updated twice a month

Status

Completed

Maintenance and Update Frequency

As needed



Table of Contents

1. Federal Geospatial Platform (FGP)
2. Metadata Overview
3. Harmonized North American Profile (HNAP)
- 4. Updating Metadata in GCGeo**
5. FGP Resources
6. Questions



4. Updating Metadata in GCGeo

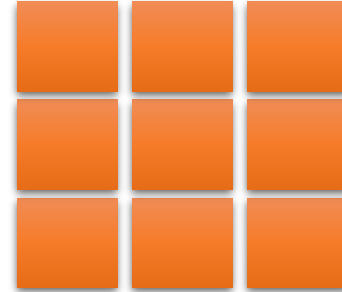
Workspaces



One workspace for one department



Do you need one or more workspaces ???



Multiple workspaces for one department

- **Will require:**
- 1 FGP Representative
- 1 Workspace User Administrator (could be same person as FGP Rep)
- 1 Editor
- 1 L1 Content Reviewer
- 1 L2 Content Reviewer

- **Will require:**
- 1 FGP Representative
- 1 User Administrator / Workspace
- 1 Editor / Workspace
- 1 L1 Content Reviewer / Workspace
- 1 L2 Content Reviewer



4. Updating Metadata in GCGeo

How to Register for an Account in GCGeo

<https://gcgeo.gc.ca/geonetwork/login/eng>

Government of Canada / Gouvernement du Canada
fGp Federal Geospatial Platform
Search | Map gallery | Resources | Help | Sign in
Home → Sign in
Sign In
Welcome contributors!
To use this site you are not required to sign in, only if you wish to add items to the Catalogue so others can view them do you need to sign in.
Do you want to add items to the Catalogue but don't have an account yet? Register for an account here.
Need some help to add your datasets to the Catalogue? Check out the help for contributors.
Terms and conditions

<https://gcgeo.gc.ca/geonetwork/accountrequest/eng>

Register
Account Information
Required fields = *
* First Name
Mister
* Last Name
Beautiful
* Email
mister.beautiful@canada.ca
* Password

* Confirm Password

* Requested Role
Editor
* Workspace
FGP-Training
Submit
Users wanting to search the FGP Data Catalogue do not require an account.
Why register for an account?
An account gives users access to a shared workspace where they can describe datasets, and publish them internally to the FGP Data Catalogue, or externally to portals such as the GC Open Data Portal.
How to Register:
1. Insert your name, email address, and password.
Email and password fields are used for login and are case-sensitive. Please provide your email in lowercase to avoid confusion (firstname.lastname@ec.gc.ca).
2. Select the Workspace you would like to join.
Workspace: a collaborative environment for employees to create, review, and modify metadata for the director to approve and publish. A workspace can be based on an organizational unit (division level), a specific project or theme.
3. Select the role you are requesting:
o **Registered User:** Has the authority to search, discover, and view metadata and data within their shared workspace. This is a read only account.
o **Editor:** Has the authority to discover, view, create, and edit metadata within their shared workspace, and submit publish requests.
o **Content Reviewer**:** Is a user role within the FGP Data Catalogue that is responsible for reviewing and approving the publishing of data within a workspace.
4. Click Submit
Your request will be reviewed by a User Administrator and an email will be sent to you shortly with your account details.



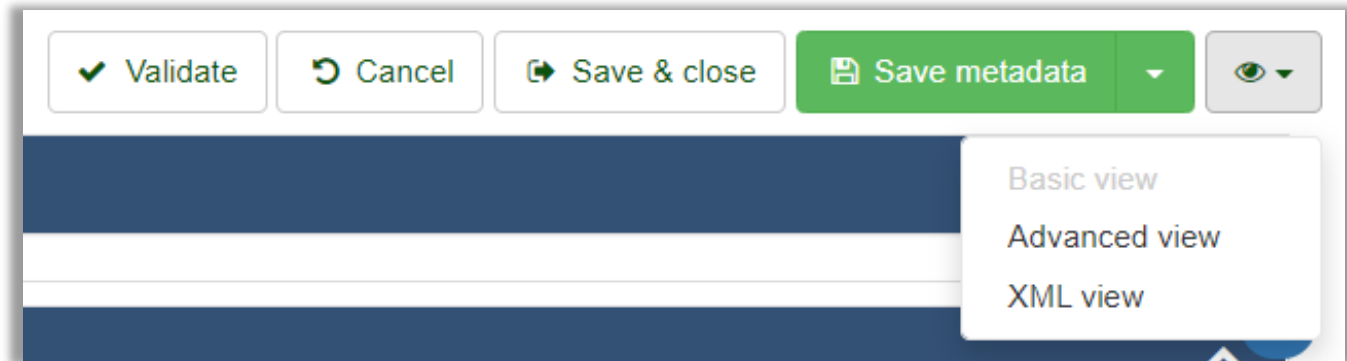
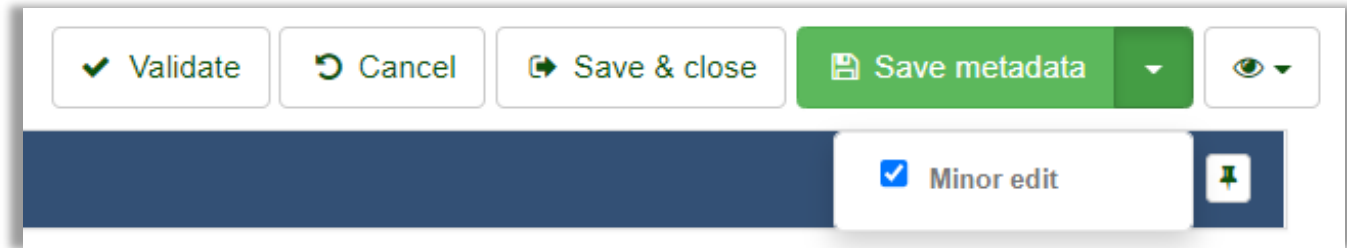
No Account is needed to Discover/Visualize published metadata records within the FGP Catalogue



4. Updating Metadata in GCGeo

FGP Catalogue Metadata creation – Editing Mode

- Validate, Cancel, Save and Close
- Save metadata, Save with minor modification (allows you to save without updating the modification date)
- Three ways to edit metadata:
 1. The “Basic view” displays all the minimum information required by the HNAP Standard.
 2. The “Advanced view” displays additional properties and many other sections from the NAP Standard.
 3. The “XML” view allows to edit directly the XML.



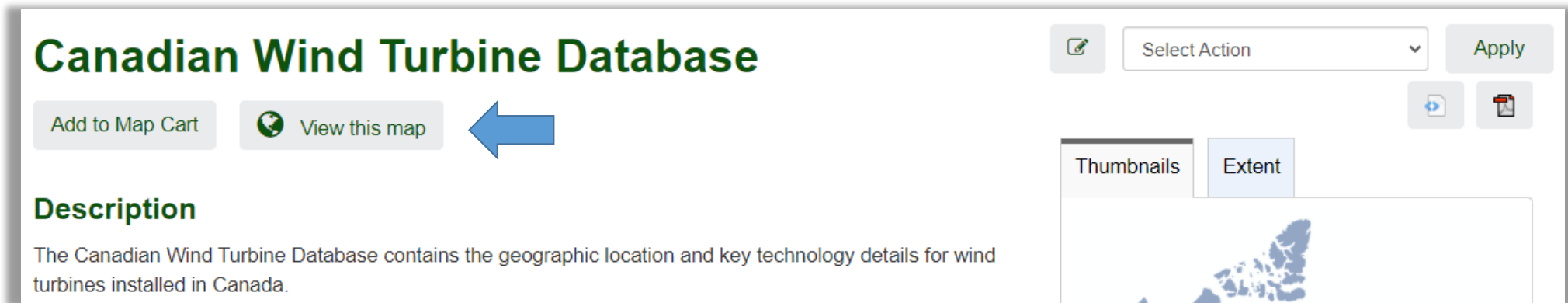
4. Updating Metadata in GCGeo

FGP Catalogue Metadata creation – Editing Mode

- Map and data resources (Basic view only):
 - Click **“Add Map Resource”** to add web services for the “View this map” button.
 - Click **“Add Data Resource”** to add downloadable files, supporting documentation or links to a webpage.

+ Add Map Resource

+ Add Data Resource



Canadian Wind Turbine Database

Add to Map Cart View this map

Select Action Apply

Thumbnails Extent

Description

The Canadian Wind Turbine Database contains the geographic location and key technology details for wind turbines installed in Canada.



4. Updating Metadata in GCGeo

Requirements and Approvals – FGP/Open Maps/OSDP

Policy Requirements

Metadata

- Minimal mandatory information (stated in the HNAP Standard)
- Business rules (stated in the HNAP Standard)
- Bilingual metadata must be provided for each dataset.



Access to datasets and web services

- A web map service (OGC WMS or ESRI REST) – to enable “View on Map” capability
- A link to a downloadable file is provided. Resources must be open in a non-proprietary format.



Security

- HTTPS enabled web services only.
- Appropriate controls for account management are in place.

Open license

- All data are released under the Open Government License - Canada.



4. Updating Metadata in GCGeo

Requirements and Approvals – FGP/Open Maps/OSDP

Policy Requirements

FGP publication Terms and Conditions

- **Format** : Information resources are in open, non-proprietary formats.
- **Legal / Licensing / Copyright** : No known legal, licensing, or copyright restrictions.
- **Authority to Release** : Permission from a third party to publish the resource under the [Open Government License - Canada](#).
- **Bilingual** : Metadata and data are in both Official Languages.
- **Privacy** : No personal information.
- **Security** : Not Classified or Protected.
- **Access to Information** : Not subject to any exemptions or exclusions of the Access to Information Act.
- No Cost.



4. Updating Metadata in GCGeo

Requirements and Approvals – FGP/Open Maps/OSDP


Level 1 publication (internal FGP only)

- The business owner or the direction's Director General authorizes the publication.
- The L1 content reviewer makes sure the appropriate authorization is obtained and approves the publication request.
- When no L1 content reviewer is designated for the workspace, an authorization form is signed and sent to FGP Contributor Support team, who approves the publication request.

Level 2 publication (Open Maps)

- The department's or the agency's Information Management Senior Official (Chief Information Officer) authorizes the publication.
- The L2 content reviewer makes sure the appropriate authorization is obtained and approves the publication request.
- When no L2 content reviewer is designated for the workspace, an authorization form is signed and sent to FGP Contributor Support team, who approves the publication request. In the case of NRCan, the Information Management Senior Official (IMSO) will review level 2 publications for all workspaces.

Open Government Approval Form

 Government of Canada / Gouvernement du Canada Open Government Directive - Release Checklist

PART A: Guidance
The Release Checklist below is a tool designed to support departmental decision-making when evaluating the legal and policy issues surrounding the release of data or other information resources. At a minimum, departments must consider the legal and policy requirements listed in the checklist below. A 'false' for any of the mandatory criteria indicates that further analysis is required prior to releasing the data or that the data is not eligible to be released.

PART B: Release Checklist

DATA PRODUCER				
Department		Sector		
Branch	Division	Section		
Name				
Phone		Email		
SOURCE INFORMATION				
Title of Dataset(s) or Information Resource(s)			Data	Info
1.			<input type="checkbox"/>	<input type="checkbox"/>
2.			<input type="checkbox"/>	<input type="checkbox"/>



4. Updating Metadata in GCGeo

Demonstration

 Federal Geospatial Platform



Table of Contents

1. Federal Geospatial Platform (FGP)
2. Metadata Overview
3. Harmonized North American Profile (HNAP)
4. Updating Metadata in GCGeo
- 5. FGP Resources**
6. Questions



5. FGP Resources

Services Provided

BASIC SUPPORT

- Provide information on FGP publication workflow
- Support metadata creation, validation and loading
- Training on the FGP Data Catalogue and viewer

ADVANCED SUPPORT

- Basic support+...
- Workspace and account creation
 - Metadata creation and editing
 - Data Analysis
 - Data Conditioning
 - Web service creation and support in use of the FGP Data Dissemination Repository (if applicable)
 - Metadata Completion
 - Publishing



Data support for anyone who has or wishes to have their data on the FGP



5. FGP Resources

Possible Opportunities To Work With FGP

Leverage the platform in your work – Access the Platform to find, contribute, and visualize data. Create and share maps or applications in support of your daily activities

Become a data contributor – Examine your data and explore how it can be released as open geospatial data via the Platform

Participate within the FGP Community – Join one of the Platform’s communities and working groups and collaborate with colleagues

- Federal Geospatial Platform Community on GCconnex
- FGP Working Groups (Technology, Data, and GeoAnalytics)

Collaborate with us...?

- Possible joint projects
- Other



5. FGP Resources

Where To Find Your Departmental FGP Representative

Departmental FGP Representative

- FGP representative have a broad knowledge of departmental geospatial data inventory, activities, and publishing processes.
- FGP representatives work with a central FGP administrator (our Data Contributor Support team) to set up workspaces in the FGP catalogue.
- FGP representative work with stakeholders in their departments (CIO/IMSO, OD Coordinator, business owners, data managers) to enable release of data to the FGP and to Open Maps.

<https://gcgeo.gc.ca/en/forContributors.html#reps>



FGP representatives by department		
There is one FGP representative for each department. Their role is managing workspace creation and acting as a central user administrator for their department.		
Department	Representative	Email
Agriculture and Agri-Food Canada (AAFC)	Ryan Tondevoid	ryan_tondevoid@agr.gc.ca
Canadian Environmental Assessment Agency (CEAA)	Patricia Cosmopoulos	Patricia.Cosmopoulos@ceaa-acee.gc.ca
Canadian Food Inspection Agency (CFIA)	Ron Neville	ron_neville@inspection.gc.ca
Canadian Northern Economic Development Agency (CanNor)	Scott Monteith	scott_monteith@canada.ca
Canadian Nuclear Safety Commission (CNSC)	Byron Croes-Lacroix	byron_croes-lacroix@canada.ca
Canadian Space Agency (CSA)	Jean-Sébastien Hunter	jean-sebastien.hunter@canada.ca
Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)	Anne Saumier	ann_saumier@canada.ca
Department of National Defence (DND)	Luc Lemieux	LUC.LEMIEUX@forces.gc.ca
Elections Canada - Office of the Chief Electoral Officer	Jose Santos	jose_santos@elections.ca
Employment and Social Development Canada (ESDC)	Marc Pelosse Murray	marc_pelosse@hrsd-rhdcc.gc.ca
Environment and Climate Change Canada (ECCC)	Mark Shaw	ec_gestiondonnees-datamanagement.ec@canada.ca
Fisheries and Oceans Canada (DFO)	Claude Guay	claudio.guay@dfo-mpo.gc.ca
Global Affairs Canada (GAC)	Andy Pang	andy_pang@international.gc.ca
Health Canada (HC)	Remi Gardiner	remi.gardiner@canada.ca
Immigration, Refugees and Citizenship Canada (IRCC)	Neil Selden	Neil.Selden@cic.gc.ca
Innovation, Science and Economic Development Canada (ISED)	Anne Peters	anne_peters@canada.ca
National Energy Board (NEB)	Lori-Ann Sharp	Lori-Ann.Sharp@neb-one.gc.ca
Natural Resources Canada (NRCan)	Dave Denault	dave_denault@canada.ca
Parks Canada (PC)	Geordon Harvey	geordon.harvey@canada.ca
Public Safety Canada (PS)	Anders Lundahl	anders_lundahl@canada.ca
Statistics Canada (StatCan) - Agriculture	Gordon Reichert	gordon_reichert@canada.ca
Statistics Canada (StatCan) - Geography	Élaine Castonguay	elaine.castonguay@canada.ca
Transport Canada (TC)	Aaron Ludmer	aaron_ludmer@tc.gc.ca
Veterans Affairs Canada (VAC)	Priscilla Giroux	priscilla.giroux@canada.ca

5. FGP Resources

Getting started with the FGP Training

- Join the FGP Community on [GCConnex](#) for news about the next training and information sessions, they are run monthly.
- The FGP team will be hosting training sessions on topics such as plug-ins (December), layer groups creation (January) and best practices for EC-related data symbology (March). Upcoming training sessions will be posted on our [GCConnex](#) page.
- Recording of this training will be sent out to everyone and placed on GCDocs



Table of Contents

1. Federal Geospatial Platform (FGP)
2. Metadata Overview
3. Harmonized North American Profile (HNAP)
4. Updating Metadata in GCGeo
5. FGP Resources
- 6. Questions**



6. Questions



FGP web site

<http://gcgeo.gc.ca>

Open Maps web site

<https://open.canada.ca/en/open-maps>

The FGP Client Support Service

fgpservices-servicespgf@nrcan-rncan.gc.ca

The FGP Contributors support service

fgpcontributorssupport-pgfsupportcontributeurs@nrcan-rncan.gc.ca

