**[metadata101](https://github.com/metadata101) /** [**iso19139.ca.HNAP**](https://github.com/metadata101/iso19139.ca.HNAP)

**Latest commit**

[@josegar74](https://github.com/josegar74)

[josegar74](https://github.com/metadata101/iso19139.ca.HNAP/commits?author=josegar74) [Update French translation for climatologyMeteorologyAtmosphere topic …](https://github.com/metadata101/iso19139.ca.HNAP/commit/f4d33ecf67a792b8f8943fe5d6ce3356566fc570)

[f4d33ec 7 days ago](https://github.com/metadata101/iso19139.ca.HNAP/commit/f4d33ecf67a792b8f8943fe5d6ce3356566fc570)

**Git stats**

* [**295** commits](https://github.com/metadata101/iso19139.ca.HNAP/commits/3.12.x)

**Files**

Type

|  |  |  |
| --- | --- | --- |
| Name | Latest commit message | Commit time |
| [docs](https://github.com/metadata101/iso19139.ca.HNAP/tree/3.12.x/docs) | [Include version in docs](https://github.com/metadata101/iso19139.ca.HNAP/commit/fe16775398b3dbcdcbba4964c341b17158e5a31e) | 4 months ago |
| [src](https://github.com/metadata101/iso19139.ca.HNAP/tree/3.12.x/src) | [Update French translation for climatologyMeteorologyAtmosphere topic …](https://github.com/metadata101/iso19139.ca.HNAP/commit/f4d33ecf67a792b8f8943fe5d6ce3356566fc570) | 7 days ago |
| [.editorconfig](https://github.com/metadata101/iso19139.ca.HNAP/blob/3.12.x/.editorconfig) | [Update some editor configuration so tabs are 2 char for xml files.](https://github.com/metadata101/iso19139.ca.HNAP/commit/f0f92cba41f9d553d24bfd4a3015f6b687b9aeb6) | 2 years ago |
| [.gitignore](https://github.com/metadata101/iso19139.ca.HNAP/blob/3.12.x/.gitignore) | [initial test of fr build instructions](https://github.com/metadata101/iso19139.ca.HNAP/commit/38df1ab545141b26e7cb04269ee15c9f5ef08dac) | 4 months ago |
| [LICENSE.md](https://github.com/metadata101/iso19139.ca.HNAP/blob/3.12.x/LICENSE.md) | [combine into a single markdown license](https://github.com/metadata101/iso19139.ca.HNAP/commit/b886d7b6738f2518ade6e3b997d1afbd2a3815c4) | 8 months ago |
| [README.md](https://github.com/metadata101/iso19139.ca.HNAP/blob/3.12.x/README.md) | [Schema update for GeoNetwork 3.12](https://github.com/metadata101/iso19139.ca.HNAP/commit/40f922362d5783c3f86c6f87f2ab2e4a0815b421) | 2 months ago |
| [pom.xml](https://github.com/metadata101/iso19139.ca.HNAP/blob/3.12.x/pom.xml) | [Depend on GN 3.12-SNAPSHOT](https://github.com/metadata101/iso19139.ca.HNAP/commit/4858b63ca0665d30e858ef9e22c187e2dd9e9a0c) | last month |

[**README.md**](https://github.com/metadata101/iso19139.ca.HNAP#readme)

**ISO Harmonized North American Profile (HNAP) plugin for GeoNetwork**

The Canadian GeoNetwork community is pleased share the *ISO Harmonized North American Profile (HNAP)* schema plugin. This is a bilingual extension of the *North American Profile of ISO 19115:2003 - Geographic information - Metadata* used nationally.

For details on this release see [3.7.0 Milestone](https://github.com/metadata101/iso19139.ca.HNAP/milestone/4?closed=1) release notes for details.

**User Manual**

[User Manual (HNAP)](https://metadata101.github.io/iso19139.ca.HNAP/) is provided for end-users. The user manual explores catalog use using HNAP examples. This is an end-user supliment to the far more technical [GeoNetwork User and Developer Manuals](https://geonetwork-opensource.org/manuals/trunk/en/index.html).

This user manual is available for local installation.

**Communication**

The [project issue tracker](https://github.com/metadata101/iso19139.ca.HNAP/issues) is used for communication, with ongoing topics tagged [discussion](https://github.com/metadata101/iso19139.ca.HNAP/issues?q=is%3Aissue+label%3Adiscussion).

**Installation**

**GeoNetwork version to use with this plugin**

Use GeoNetwork 3.12.x, not tested with prior versions!

The schema plugin editor makes use of a number of controls for editing structured text fields requiring newer releases of core-geonetwork.

**Deploy the profile in an existing installation**

The plugin can be deployed manually in an existing GeoNetwork installation:

1. Download from [releases](https://github.com/metadata101/iso19139.ca.HNAP/releases) page.

Each release includes a jar, zip, and doc download.

1. Extract contents of the schema-iso19139.ca.HNAP zip download into WEB-INF/data/config/schema\_plugins/iso19139.ca.HNAP.
2. Copy the schema-iso19139.ca.HNAP jar to geonetwork WEB-INF/libs
3. Copy the schema-iso19139.ca.HNAP doc to geonetwork doc
4. Restart geonetwork

There is some custom initialization code run when GeoNetwork starts up:

1. The plugin includes will check the GeoNetwork Data Directory ThesauriDir to see if the HNAP Thesauruses are already installed.
2. If they are not (i.e. this is the very first run of GeoNetwork with the HNAP Schema), the required thesaurus files are are copied from the jar into to the correct location in the Data Directory.

See SchemaInitializer.java for details.

**Building**

**Adding the plugin to the source code**

The best approach is to add the plugin as a submodule:

1. Use [add-schema.sh](https://github.com/geonetwork/core-geonetwork/blob/3.12.x/add-schema.sh) for automatic deployment:
2. ./add-schema.sh iso19139.ca.HNAP https://github.com/metadata101/iso19139.ca.HNAP 3.12.x
3. Build the application:
4. mvn clean install -Penv-prod -DskipTests
5. Once the application is built, the war file contains the schema plugin:
6. cd web
7. mvn jetty:run -Penv-dev

**Deploy locally built profile into existing installation**

1. Copy the iso19139.ca.HNAP folder from schemas/iso19139.ca.HNAP/src/main/plugin into geonetwork WEB-INF/data/config/schema\_plugins/.
2. Copy schema-iso19139.ca.HNAP jar from target into geonetwork `WEB-INF/libs``.
3. Restart geonetwork

**Documentation**

Documentation is [sphinx-build](https://www.sphinx-doc.org/) with [sphinx-rtd-theme](https://sphinx-rtd-theme.readthedocs.io/en/stable/). GeoCat has provided a [writing guide](https://geocat.github.io/geocat-themes/) on the use of rst directives and formatting.

Generated docs:

mvn clean compile -Pdocs

Docs generated into target/html/index.html:

open target/html/index.html

Package docs into zip:

mvn package -Pdocs

**sphinx-build environment**

windows:

pip install -U sphinx

pip install hieroglyph recommonmark sphinx-copybutton

macOS:

brew install python

brew install sphinx-doc

pip install hieroglyph recommonmark sphinx-copybutton

jenkins:

* [Dockerfile](https://github.com/GeoCat/jenkins-docker-agent-docs/blob/master/Dockerfile)

**Project Procedures**

**Publish User Guide Process**

**update github pages**

mvn clean install -Pdocs

git add docs

git commit -m "update docs"

git push

**User Guide Internationalization**

Before you start:

pip install sphinx-intl

Translation workflow:

1. Generate pot files, and generate messages for translation:
2. mvn compile -Ptranslate

This performs:

sphinx-build -b gettext src/sphinx target/gettext

sphinx-intl -c src/sphinx/conf.py update -p target/gettext -l fr

1. Each rst file has a matching messages po file in src/local/fr/LC\_MESSAGES.

Message files follow the gettext portable object po format:

#: ../../src/sphinx/index.rst:3 338fd9f388f64839963b54e20898e403

msgid "User Manual"

msgstr "Manuel d'Utilisateur"

Messages are described using:

* + # a comment documenting the line number, and a uuid used to help as content is updated over time
  + msgid origional
  + msgstr translation, please take care not to break sphinx directives

Plenty of tools are available to work with ``po` files.

* + <https://poedit.net>
  + <http://transifex.com>

1. Optional: translates images, figures and screen snaps:
   * img/sample.png origional, `img/sample\_fr.png`` translation.
   * figure/example.svg origional, figure/example\_fr.svg translation.
2. For more information:
   * <https://www.sphinx-doc.org/en/master/usage/advanced/intl.html>
   * <https://www.gnu.org/software/gettext/>
   * <https://sphinx-intl.readthedocs.io/en/master/quickstart.html>
   * <https://docs.readthedocs.io/en/stable/guides/manage-translations.html>
   * <https://docs.transifex.com/integrations/sphinx-doc>

**Release Process**

1. Update the pom.xml version information for release:
2. find . -name `pom.xml` -exec sed -i '' 's/3.12-SNAPSHOT/3.12.7-0/g' {} \;
3. Update the [src/main/plugin/iso19139.ca.HNAP/schema-ident.xm](https://github.com/metadata101/iso19139.ca.HNAP/blob/3.12.x/src/main/plugin/iso19139.ca.HNAP/schema-ident.xml#L32) appMinorVersionSupported:
4. sed -i '' 's/3.12-SNAPSHOT/3.12.7-0/g' src/main/plugin/iso19139.ca.HNAP/schema-ident.xml
5. Build everything, including documentation:
6. mvn clean install -Pdocs
7. Commit and tag
8. git add pom.xml
9. git commit -am "Version 3.12.7"
10. git tag -a 3.12.7 -m "Release 3.12.7"
11. git push origin 3.12.7
12. Navigate to release page: <https://github.com/metadata101/iso19139.ca.HNAP/releases>

Click Edit tag button:

* + Title: iso19139.ca.HNAP 3.12.7 Release
  + Content: Copy from [README.md](https://raw.githubusercontent.com/metadata101/iso19139.ca.HNAP/3.12.x/README.md)
  + Upload artifacts from target to the new github page.

1. Restore the pom.xml and schema-ident.xml version information.
2. find . -name `pom.xml` -exec sed -i '' 's/3.12.7-0/3.12-SNAPSHOT/g' {} \;
3. sed -i '' 's/3.12.7-0/3.12-SNAPSHOT/g' src/main/plugin/iso19139.ca.HNAP/schema-ident.xml
4. Create the next milestone: <https://github.com/metadata101/iso19139.ca.HNAP/milestones>
   * Title: 3.12.8
   * Date: leave empty
   * Content: Released in conjunction with core-geonetwork 3.12.8.
5. Update README.md to link to new milestone:
6. For details on this release see [3.12.8 Milestone](https://github.com/metadata101/iso19139.ca.HNAP/milestone/5?closed=1)
7. release notes for details.
8. Commit
9. git add pom.xml README.md
10. git commit -m "Start 3.12.8 development"
11. git push