

# syntool-ingestor

The syntool-ingestor command generates a web-compatible representation from the output of syntool-converter (GeoTIFF or NetCDF file). In addition to the data representation (which depends on the chosen output format), syntool-ingestor creates a metadata.json file which contains all the information needed to determine if the granule matches a set of time and space criteria.

```
syntool-ingestor -c CONFIG [--input-format INPUT_FMT]
                  [--input-options INPUT_OPTS] [--output-format OUTPUT_FMT]
                  [--output-options OUTPUT_OPTS] [--options-file OPT_FILE]
                  [--output-dir OUTPUT_DIR] INPUT
```

Parameter	Format	Description
INPUT	path	NetCDF or GeoTIFF file from which data representations must be generated.
-c CONFIG	path	The data representations will be generated to fit the Syntool portal described in the CONFIG configuration file (projection, extent and viewport).
--output-dir OUTPUT_DIR	path	Save results in the OUTPUT directory (will be created if needed).
--input-format INPUT_FMT	string	Format of the file provided as INPUT. Either "geotiff" (GeoTIFF) or "idf" (NetCDF).
--input-options INPUT_OPTS	key=value [key=value]	INPUT_FMT-specific options that will be passed to the data reader method. INPUT_OPTS is a list of key-value couples (format is "key=value") separated by a blank space.
--output-format OUTPUT_FMT	string	Format of the data representations. Either "rastertiles", "vectorfield", "raster", "geojson_trajectory" or "trajectorytiles".
--output-options OUTPUT_OPTS	key=value [key=value]	Options passed to the plugin in charge of formatting the output. Options must match the key=value pattern.
--options-file OPT_FILE	path	Read --input-format, --input-options, --output-format and --output-options from the OPT_FILE text file.
-h, --help		Display help message.

The configuration file for a portal in Web Mercator projection with a global viewport should be

```
[portal]
projection = 3857
viewport = -20037508.34 -20037508.34 20037508.34 20037508.34
extent = -20037508.34 -20037508.34 20037508.34 20037508.34
```