

SENAMHI import

In order to activate the SENAMHI import as a FEWS import, it is required to set up a **TimeSeriesImportRun** module configuration file and an accompanying IdMap file.

For the import to work correctly:

- the given serverUrl must already contain "?type=XXX&idCountry=XXX" where the XXX are replaced with the relevant values
 - available types are: raw, instant, daily, month
 - for user FEWS-Bolivia idCountry is:591
- a relativeViewPeriod must be specified and in the "general" section,
- the externalLocation must be set to the desired N_IdStation and the externalParameter to the desired N_IdVar in the specified idMap.

The attached document describes the fields in the Json chain and the meaning of the parameters codes: [Documentation Json chain and Parameters.docx](#)

The import will take the serverUrl and append it with "&from=year/month/day&to=year/month/day", where the dates are filled using the relativeViewPeriod found in the import configuration file. It will read the D_DataDate and N_Data fields of the resulting json and map these to the correct time series using the N_IdStation and N_IdVar fields. Running the import in debug mode will print the full url in the log window.

Example **Import configuration** file:

```
<?xml version="1.0" encoding="UTF-8"?>
<timeSeriesImportRun xmlns="http://www.wldelft.nl/fews"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/timeSeriesImportRun.xsd">
  <!-- This is an example import configuration file for importing Observations and Measurements data from a
  service -->
  <import>
    <general>
      <importType>SENAMHI</importType>
      <serverUrl>http://host/api/interop/GetData?type=XXX&idCountry=XXX</serverUrl>
      <relativeViewPeriod unit="hour" start="-5" end="0" startOverrutable="true" endOverrutable="true"/>
      <idMapId>IdImportSenamhi</idMapId>
    </general>
    <timeSeriesSet>
      <moduleInstanceId>ImportSenamhi</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>MyPar</parameterId>
      <locationSetId>MyLocSet</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <readWriteMode>add originals</readWriteMode>
      <synchLevel>1</synchLevel>
    </timeSeriesSet>
  </import>
</timeSeriesImportRun>
```

Example **IdMap** file:

```
<?xml version="1.0" encoding="UTF-8"?>
<idMap version="1.1" xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/idMap.xsd">
  <!--
    map internal timeseries directly to external timeseries
    externalLocation should be set to N_IdStation
    externalParameter should be set to N_IdVar
  -->

  <map internalLocation="MyLoc1" internalParameter="MyPar1" externalLocation="57100000" externalParameter="3" />
  <map internalLocation="MyLoc2" internalParameter="MyPar1" externalLocation="57300000" externalParameter="4" />

</idMap>
```