

Profile

Input

- inputProfile
- type (is not used in FEWS code so it does not anything but must be included in the configuration)

Output

- outputVariable

Description

This transformation converts a profile to a time series. The inputProfile contains:

dateTime: create a time series at user defined date and time, (simple). The string has the format "<year>-<month>-<day>T<hour>:<minute>:<second>". For example the 23rd of August is "1984-12-31T00:00:00".

dayOfWeek: create a time series that repeats itself every week, (cyclic)

monthDay: create a time series that has only one time for each month and repeats itself every year, (cyclic)

monthOfYear: creates a time series at user defined month that repeats itself every year, (cyclic)

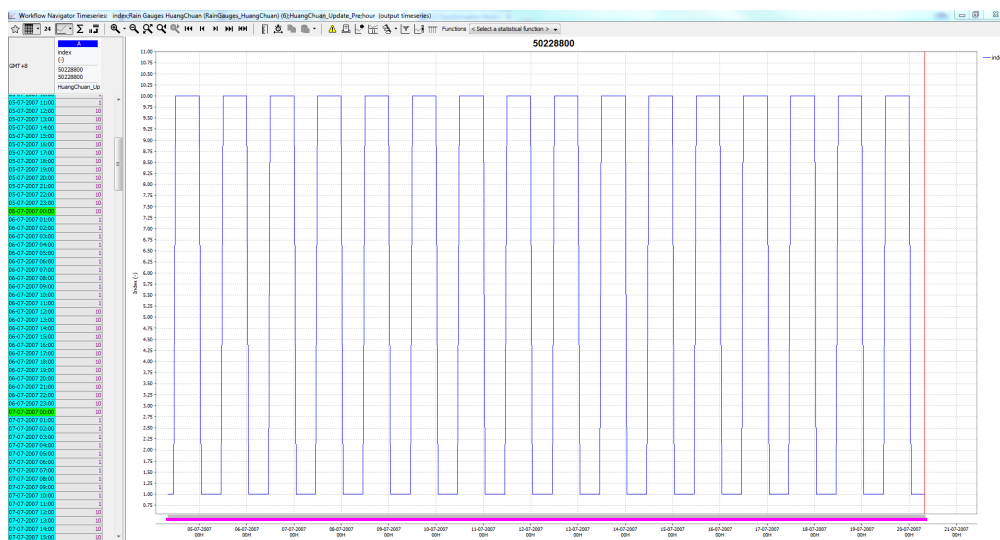
time: create a time series at user defined time that repeats itself every day. (cyclic)

Configuration example of a daily recurring profile

```

<?xml version="1.0" encoding="UTF-8"?>
<transformationModule version="1.0" 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
/transformationModule.xsd">
  <variable>
    <variableId>index</variableId>
    <timeSeriesSet>
      <moduleInstanceId>HuangChuan_Update_Pre</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>index</parameterId>
      <locationSetId>RainGauges_HuangChuan</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="hour" multiplier="1"/>
      <relativeViewPeriod unit="day" start="-16" end="0" startOverrulable="true"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </variable>
  <!--Transformations-->
  <transformation id="profile">
    <profile>
      <timeSeries>
        <inputProfile>
          <data value="1.0" time="00:00:00"/>
          <data value="1.0" time="01:00:00"/>
          <data value="1.0" time="02:00:00"/>
          <data value="1.0" time="03:00:00"/>
          <data value="1.0" time="04:00:00"/>
          <data value="1.0" time="05:00:00"/>
          <data value="10.0" time="06:00:00"/>
          <data value="10.0" time="07:00:00"/>
          <data value="10.0" time="08:00:00"/>
          <data value="10.0" time="09:00:00"/>
          <data value="10.0" time="10:00:00"/>
          <data value="10.0" time="11:00:00"/>
          <data value="10.0" time="12:00:00"/>
          <data value="10.0" time="13:00:00"/>
          <data value="10.0" time="14:00:00"/>
          <data value="10.0" time="15:00:00"/>
          <data value="10.0" time="16:00:00"/>
          <data value="10.0" time="17:00:00"/>
          <data value="10.0" time="18:00:00"/>
          <data value="1.0" time="19:00:00"/>
          <data value="1.0" time="20:00:00"/>
          <data value="1.0" time="21:00:00"/>
          <data value="1.0" time="22:00:00"/>
          <data value="1.0" time="23:00:00"/>
          <timeZone>
            <timeZoneName>CET</timeZoneName>
          </timeZone>
        </inputProfile>
        <!--type is obsolete and ignored by FEWS, but must be included-->
        <type>cyclic</type>
        <outputVariable>
          <variableId>index</variableId>
        </outputVariable>
      </timeSeries>
    </profile>
  </transformation>
</transformationModule>

```



configuration example of setting a fixed value at one timestep

```
<profile>
  <timeSeries>
    <inputProfile>
      <data value="0" dateTime="2020-01-12T07:00:00"/>
    </inputProfile>
    <!--type is obsolete and ignored by FEWS, but must be included-->
    <type>cyclic</type>
    <outputVariable>
      <variableId>CTU_start</variableId>
    </outputVariable>
  </timeSeries>
</profile>
```