

Wispcloud csv parser

Available since 2022.02. Present parser allows to download and import meteorological observations from <https://wispcloud.waterinsight.nl>

Example url request:

<https://wispcloud.waterinsight.nl/api/query?SERVICE=Data&VERSION=1.0&REQUEST=GetData&TIME=2021-05-03T09:00,2021-05-03T19:00&INCLUDE=instrument.name,measurement.date,waterquality.chla,waterquality.tsm,waterquality.kd,waterquality.cpc&INSTRUMENT=WISPstation003,WISPstation002>

Full Api documentaion is available here:

<https://gitlab.com/waterinsight-public/wispcloud-api-tutorial/blob/master/WISPcloud%20API%20tutorial.ipynb>

Password and user name are required to download data,

Config example:

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XMLSpy v2006 rel. 3 sp1 (http://www.altova.com) by Computer Services (WL | Delft Hydraulics) -->
<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">
  <import>
    <general>
      <importType>Wispcloud</importType>
      <serverUrl>https://wispcloud.waterinsight.nl/api/query?SERVICE=Data&VERSION=1.0&REQUEST=GetData</serverUrl>
      <user>username</user>
      <password>password</password>
      <relativeViewPeriod unit="day" start="-5" end="0" startOverrutable="true"
endOverrutable="true"/>
      <idMapId>WispcloudIdMap</idMapId>
    </general>

    <timeSeriesSet>
      <moduleInstanceId>Wispcloud</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>param1</parameterId>
      <locationId>LocB</locationId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
    <timeSeriesSet>
      <moduleInstanceId>Wispcloud</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>param2</parameterId>
      <locationId>LocB</locationId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </import>
</timeSeriesImportRun>
```