

UY-Ana import

Available since 2020.01. Present parser allows to download and import meteorological observations from <http://telemetriaws1.ana.gov.br/ServiceANA.asmx>.

Example url request:

<http://telemetriaws1.ana.gov.br/ServiceANA.asmx/DadosHidrometeorologicos?codEstacao=76750000&dataInicio=01/12/2019&dataFim=15/12/2019>

In which:

CodEstacao - location ID

dataInicio - start time

dataFim - end time

When configuring view period, please note that start and end times in the url increase/decrease by day, so the view period should also be at least a day long.

Example configuration:

```
<?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">
  <import>
    <general>
      <importType>UyAna</importType>
      <serverUrl>http://telemetriaws1.ana.gov.br/ServiceANA.asmx/DadosHidrometeorologicos?codEstacao=<
/serverUrl>
      <user>dummy_username</user>
      <password>dummy_password</password>
      <relativeViewPeriod unit="day" start="-5" end="0" startOverrutable="true" endOverrutable="true"/>
      <idMapId>UyAnaIdMap</idMapId>
    </general>
    <timeSeriesSet>
      <moduleInstanceId>UyAna</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>rain</parameterId>
      <locationId>LocB</locationId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
    <timeSeriesSet>
      <moduleInstanceId>UyAna</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>snow</parameterId>
      <locationId>LocB</locationId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="nonequidistant"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </import>
</timeSeriesImportRun>
```

Response example:

```

<DataTable xmlns="http://MRCs/">
  <xs:schema xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-
msdata" id="NewDataSet">
    <xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:MainDataTable="DadosHidrometereologicos"
msdata:UseCurrentLocale="true">
      <xs:complexType>
        <xs:choice minOccurs="0" maxOccurs="unbounded">
          <xs:element name="DadosHidrometereologicos">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="CodEstacao" type="xs:string" minOccurs="0"/>
                <xs:element name="DataHora" type="xs:string" minOccurs="0"/>
                <xs:element name="Vazao" type="xs:string" minOccurs="0"/>
                <xs:element name="Nivel" type="xs:string" minOccurs="0"/>
                <xs:element name="Chuva" type="xs:string" minOccurs="0"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:choice>
      </xs:complexType>
    </xs:element>
  </xs:schema>
  <diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-com:xml-msdata" xmlns:diffgr="urn:schemas-microsoft-com:
xml-diffgram-v1">
    <DocumentElement xmlns="">
      <DadosHidrometereologicos diffgr:id="DadosHidrometereologicos1" msdata:rowOrder="0">
        <CodEstacao>76750000</CodEstacao>
        <DataHora>2019-12-15 23:45:00</DataHora>
        <Vazao>20.03</Vazao>
        <Nivel>142.00</Nivel>
        <Chuva>0.00</Chuva>
      </DadosHidrometereologicos>
      <DadosHidrometereologicos diffgr:id="DadosHidrometereologicos2" msdata:rowOrder="1">
        <CodEstacao>76750000</CodEstacao>
        <DataHora>2019-12-15 23:30:00</DataHora>
        <Vazao>20.34</Vazao>
        <Nivel>143.00</Nivel>
        <Chuva>0.00</Chuva>
      </DadosHidrometereologicos>
    </DocumentElement>
  </diffgr:diffgram>
</DataTable>

```