

Bayern

Overview



This import is available in DELFT-FEWS versions after 2011.01

Imports ASCII type time series data (level forecasts) from Bayern, location Raunheim am Main.

Structure of the Bayern file

Data is to be obtained through a http request. Data obtained from the URL must be stored as an ASCII-file in order for the parser to process it. The data consists of three sections; a header, the time series data and a footer.

The header consists of three rows; the first and last contains only dash characters and are ignored by the parser.

The middle row contains the german keyword for location and the numerical ID for the location seperated by a | (pipe character).

The parser sets both (external) LocationID and ParameterID to this numerical ID value.

In between header and footer are the time series date/time and values.

Date/time and values are again seperated by the | (pipe character).

Date/time is formatted as "dd.MM.yyyy HH:mm"

The following snippet illustrates a sample data file :

```
-----  
Messstelle | 24095302  
-----  
21.07.2011 05:00 | 167  
21.07.2011 06:00 | 165  
21.07.2011 07:00 | 163  
21.07.2011 08:00 | 160  
.  
.  
.  
23.07.2011 04:00 | 199  
23.07.2011 05:00 | 199  
-----  
Datenart: Wasserstand [cm]  
Alle Vorhersagewerte ohne Gewähr.  
Datenbankabfrage: 21.07.2011 09:33
```

The footer is completely ignored by the parser.

Configuration

To import forecast data from Bayern, stored into an Acii file, configure a module like:

```

<?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>
        <!--Bayern-->
        <general>
            <importType>Bayern</importType>
            <folder>$IMPORT_FOLDER_BAYERN$</folder>
            <failedFolder>$IMPORT_FOLDER_BAYERN$</failedFolder>
            <backupFolder>$BACKUP_FOLDER_BAYERN$</backupFolder>
            <idMapId>IdImportBayern</idMapId>
            <unitConversionsId>ImportBayernUnits</unitConversionsId>
            <importTimeZone>
                <!--EPS is in GMT-->
                <timeZoneOffset>+00:00</timeZoneOffset>
            </importTimeZone>
            <dataFeedId>Bayern-DF</dataFeedId>
            <reportChangedValues>true</reportChangedValues>
        </general>
        <timeSeriesSet>
            <moduleInstanceId>ImportBayern</moduleInstanceId>
            <valueType>scalar</valueType>
            <parameterId>wlevel</parameterId>
            <locationSetId>Bayern</locationSetId>
            <timeSeriesType>external forecasting</timeSeriesType>
            <timeStep unit="hour" multiplier="1"/>
            <readWriteMode>add originals</readWriteMode>
            <synchLevel>1</synchLevel>
            <expiryTime unit="day"/>
            <ensembleId>Bayern</ensembleId>
        </timeSeriesSet>
    </import>
</timeSeriesImportRun>

```

idMapping

The parser assigns the numerical ID found in the header to LocationID as well as ParameterID.

To map these to current FEWS location and parameter an idMapping can be configured.

For example:

```

<?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">
    <parameter external="24095302" internal="P.voorsp.ens"/>
    <location external="24095302" internal="KNMI_NL001"/>
</idMap>

```