

**JIRA** Delft-FEWS 2015.01 Release Notes - New Features

Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Utility - Configurator	FEWS-10856	Configurator should generate dda config		A clientConfig_dda.xml will be created by the configurator in the oc directory.		
System - Synchronisation	FEWS-12980	Add Modifiers, syncLevel 5 to Incoming Modifiers in default SynchProfiles	Add Modifiers syncLevel 5 to Incoming Modifiers in default SynchProfiles	Add Modifiers syncLevel 5 to Incoming Modifiers in default SynchProfiles		
System - PI Service	FEWS-12898	FEWS-10616 PI-Webservice: call via REST				
System - PI Service	FEWS-12540	PI webservice should give parent locationIds in getLocation method		As of version 1.15 the pi_locations.xsd also provides parent location if available. When using IdMapping the parent location will only be provided if id mapping exists for the parent location		Output example: <pre>&lt;location locationId="0058G"&gt; &lt;shortName&gt;Stuw Blaarthem&lt;/shortName&gt; &lt;lat&gt;51.42191257243285&lt;/lat&gt; &lt;lon&gt;5.445657446279593&lt;/lon&gt; &lt;x&gt;159065.982&lt;/x&gt; &lt;y&gt;381422.796&lt;/y&gt; &lt;z&gt;NaN&lt;/z&gt; &lt;parentLocationId&gt;0058&lt;/parentLocationId&gt; &lt;/location&gt;</pre>
System - PI Service	FEWS-12147	FewsPiService: retrieve timeseries based on creation time				
System - PI Service	FEWS-11697	Improve logging of PI Webservice	Quick scan of logging in FewsPiService improved where necessary			
System - PI Service	FEWS-11937	Expand PiService to return available workflows	Added getWorkflows call to Tomcat FewsPiService	The Tomcat FewsPiService now support the getWorkflows method. This method provides a pi_workflows.xsd instance with all workflows that can be executed by the runTask method		<pre>{code} &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;workflows xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.wldelft.nl/fews/PI" xsi:schemaLocation="http://www.wldelft.nl/fews/PI http://fews.wldelft.nl/schemas/version1.0/pi-schemas/pi_workflows.xsd" version="1.9"&gt; &lt;workflow id="Fluvial_Severn_Forecast"&gt; &lt;name&gt;Fluvial_Severn_Forecast&lt;/name&gt; &lt;description&gt;Full Severn forecast (MCRM, DODO and ISIS)&lt;/description&gt; &lt;/workflow&gt; &lt;workflow id="Fluvial_Trent_Forecast"&gt; &lt;name&gt;Fluvial_Trent_Forecast&lt;/name&gt; &lt;description&gt;Full Trent forecast (MCRM, DODO and ISIS)&lt;/description&gt; &lt;/workflow&gt; &lt;workflow id="Fluvial_15_Forecast"&gt; &lt;name&gt;Fluvial_15_Forecast&lt;/name&gt; &lt;description&gt;Runs Stour and Idle 15 min models.&lt;/description&gt; &lt;/workflow&gt; ... &lt;/workflows&gt; {code}</pre>
System - PI Service	FEWS-11065	FEWS-11062 PI web service should have a method to get meta data of time series		<p>In order to retrieve statistics information from the FewsPiService the following request parameters must be set:</p> <p>showStatistics = true  piVersion &gt;= 1.16</p> <p>The statistics in are taken over the whole database and not only the selected time period.</p> <p>Currently it is only possible to set the showStatistics value using the method call getTimeseries(QueryParams params)</p> <p>Supported statistical information parameters are:  firstValueTime = date/time of first value instance.  Omitted if no values available  lastValueTime = date/time of last value instance.  Omitted if no values available  maxValue = maximum of all available values  minValue = minimum of all available values  valueCount = number of value instances</p>		<p>Example SOAP request.</p> <pre>{code} &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:fews="http://fews.wldelft.nl"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;fews:getTimeSeries&gt; &lt;!--Optional:--&gt; &lt;fews:queryParams&gt; &lt;convertDatum&gt;false&lt;/convertDatum&gt; &lt;omitMissing&gt;true&lt;/omitMissing&gt; &lt;onlyHeaders&gt;true&lt;/onlyHeaders&gt; &lt;!--Optional:--&gt; &lt;piVersion&gt;1.16&lt;/piVersion&gt; &lt;showStatistics&gt;true&lt;/showStatistics&gt; &lt;useDisplayUnits&gt;true&lt;/useDisplayUnits&gt; &lt;/fews:queryParams&gt; &lt;/fews:getTimeSeries&gt; &lt;/soapenv:Body&gt; &lt;/soapenv:Envelope&gt; {code}</pre> <p>Example SOAP response</p> <pre>{code} &lt;S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"&gt; &lt;S:Body&gt; &lt;ns2:getTimeSeriesResponse xmlns:ns2="http://fews.wldelft.nl"&gt; &lt;return&gt;&lt;![CDATA[&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;TimeSeries xmlns="http://www.wldelft.nl/fews/PI" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.wldelft.nl/fews/PI http://fews.wldelft.nl/schemas/version1.0/pi-schemas/pi_timeseries.xsd" version="1.16"&gt; &lt;timeZone&gt;0.0&lt;/timeZone&gt; &lt;series&gt; &lt;header&gt; &lt;type&gt;accumulative&lt;/type&gt; &lt;locationId&gt;meteo_cita&lt;/locationId&gt; &lt;parameterId&gt;P_obs&lt;/parameterId&gt; &lt;timeStep unit="second" multiplier="3600"/&gt; &lt;startDate date="2015-06-08" time="07:00:00"/&gt; &lt;endDate date="2015-06-08" time="07:00:00"/&gt; &lt;interval&gt;3600&lt;/interval&gt; &lt;/header&gt; &lt;/series&gt; &lt;/TimeSeries&gt; &lt;/ns2:getTimeSeriesResponse&gt; &lt;/S:Body&gt; &lt;/S:Envelope&gt;</pre>
System	FEWS-12866	Upgrade to Java 8				

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System	FEWS-12517	Remove warning "Bin dir not cleaned up" in specific cases				
Plugin - Module - Transformation	FEWS-12960	StatisticsRelatedLocations does not support "ignoremissing"	See FEWS-12914			
Plugin - Module - Transformation	FEWS-12451	FEWS-12363 extend framework to allow use of 2D spectrum data format in transformations	All SingleTime transformations can now handle spectrum input/output	<p>Extended Transformation Module so that all SingleTime transformations (i.e. about one third of all transformations) now also work for time series with domainParameters. In this case each combination of domain axes values is handled as a separate scalar time series. This is similar to transformations for grids where each grid cell is handled as a separate scalar time series. SingleTime transformations are transformations for which the calculation is performed per timeStep (i.e. output only depends on input for the same time step), e.g. UserSimple and MergeWeighted.</p> <p>The Transformation Module framework is now also ready to create new SingleTime transformations that need to process all domain values at once (as opposed to handling each combination of domain axes values as a separate scalar time series).</p>		<pre>{code:xml} &lt;variable&gt; &lt;variableId&gt;X&lt;/variableId&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;UserSimpleSpectrumTest&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;2d_spectral_density&lt;/parameterId&gt; &lt;domainParameterId&gt;frequency&lt;/domainParameterId&gt; &lt;domainParameterId&gt;direction&lt;/domainParameterId&gt; &lt;locationId&gt;spectrumLocation1&lt;/locationId&gt; &lt;timeSeriesType&gt;external historical&lt;/timeSeriesType&gt; &lt;timeStep unit="day"/&gt; &lt;relativeViewPeriod unit="day" start="0" end="6"/&gt; &lt;readWriteMode&gt;editing visible to all future task runs&lt;/readWriteMode&gt; &lt;/timeSeriesSet&gt; &lt;/variable&gt; &lt;variable&gt; &lt;variableId&gt;Y&lt;/variableId&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;UserSimpleSpectrumTest&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;2d_spectral_density&lt;/parameterId&gt; &lt;domainParameterId&gt;frequency&lt;/domainParameterId&gt; &lt;domainParameterId&gt;direction&lt;/domainParameterId&gt; &lt;locationId&gt;spectrumLocation2&lt;/locationId&gt; &lt;timeSeriesType&gt;external historical&lt;/timeSeriesType&gt; &lt;timeStep unit="day"/&gt; &lt;relativeViewPeriod unit="day" start="0" end="6"/&gt; &lt;readWriteMode&gt;editing visible to all future task runs&lt;/readWriteMode&gt; &lt;/timeSeriesSet&gt; &lt;/variable&gt; &lt;variable&gt; &lt;variableId&gt;output&lt;/variableId&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;UserSimpleSpectrumTest&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;2d_spectral_density&lt;/parameterId&gt; &lt;domainParameterId&gt;frequency&lt;/domainParameterId&gt; &lt;domainParameterId&gt;direction&lt;/domainParameterId&gt; &lt;locationId&gt;spectrumLocation3&lt;/locationId&gt; &lt;timeSeriesType&gt;external historical&lt;/timeSeriesType&gt; &lt;timeStep unit="day"/&gt; &lt;relativeViewPeriod unit="day" start="0" end="6"/&gt; &lt;readWriteMode&gt;editing visible to all future task runs&lt;/readWriteMode&gt; &lt;/timeSeriesSet&gt; &lt;/variable&gt; &lt;/code&gt;</pre>
Plugin - Module - Transformation	FEWS-11066	FEWS-11062 interpolationSerial should have optional outputComment for interpolated values	outputComment field are added to all interpolationSerial transformations			<pre>{code:xml} &lt;interpolationSerial&gt; &lt;block&gt; &lt;inputVariable&gt; &lt;variableId&gt;input&lt;/variableId&gt; &lt;/inputVariable&gt; &lt;maxGapLength&gt;5&lt;/maxGapLength&gt; &lt;outputVariable&gt; &lt;variableId&gt;output&lt;/variableId&gt; &lt;/outputVariable&gt; &lt;outputComment&gt;outputCommentTest&lt;/outputComment&gt; &lt;/block&gt; &lt;/interpolationSerial&gt; {code}</pre>
Plugin - Module - Transformation	FEWS-13613	Trim functionality to remove missings with flag after Transformation				
Plugin - Module - Statistics	FEWS-12656	More meta-information about statistical functions in table header or legend	Improved naming for timeseries in statistical functions			
Plugin - Module - Secondary Validation	FEWS-13014	FEWS-10053 secondaryValidation min*Check should use modified time series	Modifiers are now visible within the secondary validation in combination with the logs_only option.	Writing timeseries with modifiers is forbidden from within the secondary validation module since it would expand the datastore eternally , The logs_only option is allowed to read timeseries with modifiers.		Normally no config changes required. An exception is thrown when secondary validation attempts to write timeseries with modifiers.

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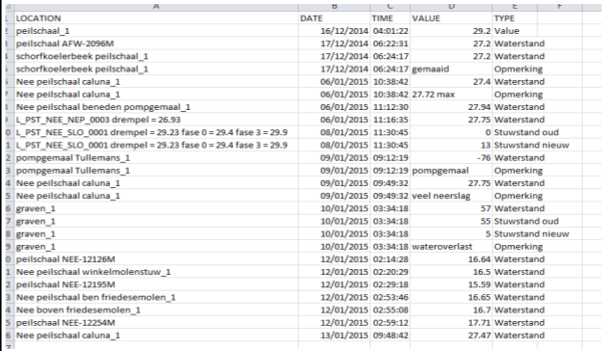
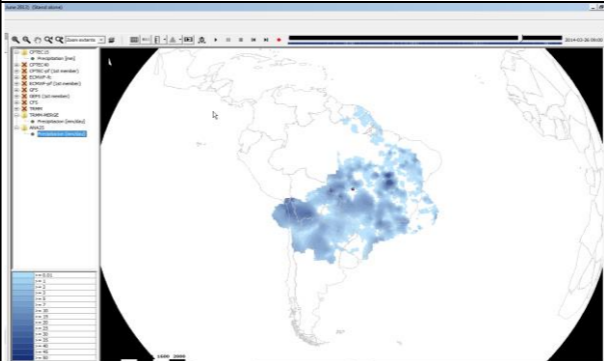
Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Module - Secondary Validation	FEWS-12754	Mag Secondary Validation module tijdreeksen wegschrijven of alleen flags				<pre>{code:xml} &lt;spatialHomogeneityCheck id="SpatialHomogeneity_Pobs_1hr"&gt; &lt;input&gt; &lt;variableId&gt;stations_P_1h_processed&lt;/variableId&gt; &lt;/input&gt; &lt;searchRadius&gt;100000&lt;/searchRadius&gt; &lt;distanceGeoDatum&gt;UTM53S&lt;/distanceGeoDatum&gt; &lt;numberOfPoints&gt;4&lt;/numberOfPoints&gt; &lt;numberOfBackupPoints&gt;8&lt;/numberOfBackupPoints&gt; &lt;distancePower&gt;2&lt;/distancePower&gt; &lt;threshold&gt; &lt;absolute&gt;5&lt;/absolute&gt; &lt;outputFlag&gt;doubtful&lt;/outputFlag&gt; &lt;logLevel&gt;INFO&lt;/logLevel&gt; &lt;logEventCode&gt;SecondaryValidation.spatialHomogeneity&lt;/logEventCode&gt; &lt;logMessage&gt;%AMOUNT_CHANGED_FLAGS% flags set to %OUTPUT_FLAG% by [%CHECK_ID%], header=%HEADER%&lt;/logMessage&gt; &lt;/threshold&gt; &lt;output&gt; &lt;variableId&gt;stations_P_1h_processed&lt;/variableId&gt; &lt;/output&gt; &lt;/spatialHomogeneityCheck&gt; {code}</pre>
Plugin - Module - Reports	FEWS-12869	FEWS-10616 TVA: Reports & timeseries value enumeration - showing labels instead of number values in selected reports	Reports: showing enumeration labels instead of number values	<p>Selected reports can display enumeration labels instead of number values if the series values are associated with an enumeration. To display labels, omit number format in the function.</p> <p>Some examples:  &lt;function&gt;LASTVALUE(GatePos)&lt;/function&gt;,  &lt;function&gt;INDEXVALUE(-2; GatePos)&lt;/function&gt;</p> <p>Currently the following reports are able to show the enumeration labels:</p> <ul style="list-style-type: none"> <li>- report templates</li> <li>- rowPerLocationHtmlTable</li> <li>- rowPerLocationCsvTable</li> </ul>		
Plugin - Module - Reports	FEWS-12449	Threshold formatting for rowPerLocation table	Report table 'RowPerLocationHtmlTable': new configuration elements 'foregroundColorFunction' and 'backgroundColorFunction'	<p>Configuration elements 'foregroundColorFunction' and 'backgroundColorFunction' hold a function to compute the color associated with the crossed threshold.</p> <p>Presently the following functions can be used:</p> <ul style="list-style-type: none"> <li>- THRESHOLDCROSSING(FIRST_THRESHOLDCOLOR; variableId)</li> <li>- THRESHOLDCROSSING(MAX_THRESHOLDCOLOR; variableId)</li> </ul>		<pre>{code:xml} &lt;rowPerLocationHtmlTableFormat id="rowPerLocationHtml" tableStyle="tableStyle3"&gt; &lt;column&gt; &lt;header&gt;Location&lt;/header&gt; &lt;width&gt;200&lt;/width&gt; &lt;function&gt;LOCATIONATTRIBUTE(shortname)&lt;/function&gt; &lt;/column&gt; &lt;column&gt; &lt;header&gt;Minimum value&lt;/header&gt; &lt;format&gt;_data&lt;/format&gt; &lt;function&gt;MINVALUE(Hmeasured;numberFormat1)&lt;/function&gt; &lt;/column&gt; &lt;column&gt; &lt;header&gt;Maximum value&lt;/header&gt; &lt;format&gt;_data&lt;/format&gt; &lt;function&gt;MAXVALUE(Hmeasured;numberFormat1)&lt;/function&gt; &lt;/column&gt; &lt;column&gt; &lt;header&gt;First threshold crossing&lt;/header&gt; &lt;foregroundColorFunction&gt;THRESHOLDCROSSING(FIRST_THRESHOLDCOLOR;Hmeasured)&lt;/foregroundColorFunction&gt; &lt;function&gt;THRESHOLDCROSSING(FIRST_VALUE;Hmeasured;numberFormat1)&lt;/function&gt; &lt;/column&gt; &lt;column&gt; &lt;header&gt;First threshold name&lt;/header&gt; &lt;backgroundColorFunction&gt;THRESHOLDCROSSING(FIRST_THRESHOLDCOLOR;Hmeasured)&lt;/backgroundColorFunction&gt; &lt;function&gt;THRESHOLDCROSSING(FIRST_THRESHOLDNAME;Hmeasured;dateFormat1)&lt;/function&gt; &lt;/column&gt; &lt;column&gt; &lt;header&gt;Max threshold crossing&lt;/header&gt; &lt;format&gt;_data&lt;/format&gt; &lt;foregroundColorFunction&gt;THRESHOLDCROSSING(MAX_THRESHOLDCOLOR;Hmeasured)&lt;/foregroundColorFunction&gt; &lt;function&gt;THRESHOLDCROSSING(MAX_VALUE;Hmeasured;numberFormat1)&lt;/function&gt; &lt;/column&gt;</pre>

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Plugin - Module - Reports	FEWS-12249	Temporary reports				<pre>{code:xml} &lt;reports xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.wldelft.nl/fews http://146.213.31.101/schemas/reports.xsd" version="1.0"&gt; &lt;declarations&gt; &lt;defineGlobal id="global1"&gt;Global Value 2&lt;/defineGlobal&gt; &lt;defineGlobal id="global2"&gt;Global Value 2&lt;/defineGlobal&gt; &lt;chartFormat id="chartFormat1"/&gt; &lt;dateFormat id="dateFormat1"&gt; &lt;pattern&gt;dd/MM/yyyy HH:mm z&lt;/pattern&gt; &lt;/dateFormat&gt; &lt;numberFormat id="numberFormat1"&gt;{0,number,###0.00}&lt;/numberFormat&gt; &lt;templateDir&gt;\$REPORT_TEMPLATE_DIR&lt;/templateDir&gt; &lt;reportsRootDir&gt;\$REPORT_ROOT_DIR/Current/Forecast&lt;/reportsRootDir&gt; &lt;reportsRootSubDir&gt;Coastal&lt;/reportsRootSubDir&gt; &lt;temporary&gt;true&lt;/temporary&gt; &lt;/declarations&gt;  {code}</pre>
Plugin - Module - Reports	FEWS-11156	Report prints N/A when a null of missing value				
Plugin - Module - General Adapter	FEWS-12611	WPS-client that can be executed from GA	Execute a WPS webservice from the General Adapter	<p>With this functionality it is possible to call a WPS service from the GA module. The data exported by the GA can be loaded to the WPS for execution. The response data is then returned and imported by the GA (at least if the GA accepts the output data types.)</p> <p>The WPS adapter requires an additional configuration file based on the wps_processdescription.xsd schema file. This files describes how to interact with the WPS server</p>		<pre>Example WPS adapter configuration file {code} &lt;wps:wpsProcess identifier="hymos_doublemass" version="1.0" xmlns:wps="http://www.wldelft.nl/fews/WPS"&gt; &lt;!--Optional:--&gt; &lt;wps:timeZone&gt;GMT&lt;/wps:timeZone&gt; &lt;wps:dateFormat&gt;yyyy-MM-dd'T'hh:mm:ssZ&lt;/wps:dateFormat&gt; &lt;wps:connection&gt; &lt;wps:url&gt;http://wps.openearth.nl/wps?&lt;/wps:url&gt; &lt;!--&lt;wps:user&gt;rooi_j_e&lt;/wps:user&gt;--&gt; &lt;!--&amp;lt;!--&amp;dash;You have a CHOICE of the next 2 items at this level&amp;dash;--&gt; &lt;!--&lt;wps:encryptedPassword&gt;string&lt;/wps:encryptedPassword&gt;--&gt; &lt;!--&lt;wps:password&gt;string&lt;/wps:password&gt;--&gt; &lt;!--Optional:--&gt; &lt;wps:connectionTimeoutMillis&gt;2000&lt;/wps:connectionTimeoutMillis&gt; &lt;wps:readTimeoutMillis&gt;5000&lt;/wps:readTimeoutMillis&gt; &lt;wps:executeTimeoutMillis&gt;5000&lt;/wps:executeTimeoutMillis&gt; &lt;/wps:connection&gt; &lt;wps:dataInputs&gt; &lt;wps:literalData identifier="x"&gt; &lt;wps:dataValue&gt; &lt;wps:intValue&gt;0&lt;/wps:intValue&gt; &lt;/wps:dataValue&gt; &lt;/wps:literalData&gt; &lt;wps:literalData identifier="y"&gt; &lt;wps:dataValue&gt; &lt;wps:intValue&gt;0&lt;/wps:intValue&gt; &lt;/wps:dataValue&gt; &lt;/wps:literalData&gt; &lt;wps:literalData identifier="variable"&gt; &lt;wps:dataValue&gt; &lt;wps:stringValue&gt;Parameter&lt;/wps:stringValue&gt; &lt;/wps:dataValue&gt; &lt;/wps:literalData&gt; &lt;wps:complexData identifier="timeseries"&gt; &lt;wps:dataFile&gt;./data/hymos_timeseries_example.nc&lt;/wps:dataFile&gt; &lt;wps:mimeType&gt;application/netcdf&lt;/wps:mimeType&gt; &lt;/wps:complexData&gt; &lt;/wps:dataInputs&gt; &lt;wps:dataOutputs&gt; &lt;wps:complexData identifier="timeseries"&gt;</pre>

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Plugin - Module - General Adapter	FEWS-12513	FEWS-9698 ExportNetcdfActivity: for spectral data coordinates in local geoDatum are not exported (only WGS coordinates are exported)		When location coordinates are defined in other Geodatum than WGS1984 the netcdf spectrum export adds variable X and Y which define location coordinates in the other Geodatum for example:  <pre>double y(node); y:standard_name = "projection_y_coordinate"; y:long_name = "y coordinate according to Rijks Driehoekstelsel"; y:units = "m"; y:axis = "Y"; y:_FillValue = 9.96921E36; double x(node); x:standard_name = "projection_x_coordinate"; x:long_name = "x coordinate according to Rijks Driehoekstelsel"; x:units = "m"; x:axis = "X"; x:_FillValue = 9.96921E36;</pre>		
Plugin - Module - General Adapter	FEWS-9966	In GeneralAdapter tags %START_DATE_TIME% and %END_DATE_TIME% add option for dateFormat	GeneralAdapter tags START_DATE_TIME, END_DATE_TIME and TIME0 can now use different dateFormats.	In GeneralAdapter tags START_DATE_TIME, END_DATE_TIME and TIME0 can now add an optional dateFormatId argument to refer to a specific date format defined in the general adapter config file. This can be used e.g. in an ExportCustomFormatRunFileActivity template file, e.g.: <pre>{code} startyear = %START_DATE_TIME(yearFormat)% startmonth = %START_DATE_TIME(monthFormat)% ... endyear = %END_DATE_TIME(yearFormat)% endmonth = %END_DATE_TIME(monthFormat)% ... {code}</pre> <p>See documentation on <a href="https://publicwiki.deltares.nl/display/FEWSDOC/05+General+Adapter+Module#id-05GeneralAdapterModule-dateTimeFormat">https://publicwiki.deltares.nl/display/FEWSDOC/05+General+Adapter+Module#id-05GeneralAdapterModule-dateTimeFormat</a></p>		<pre>{code} &lt;general&gt; ... &lt;dateFormat id="dateFormat1"&gt; &lt;dateTimePattern&gt;yyyy-MM-dd HH:mm&lt;/dateTimePattern&gt; &lt;/dateFormat&gt; &lt;dateFormat id="yearFormat"&gt; &lt;dateTimePattern&gt;yyyy&lt;/dateTimePattern&gt; &lt;/dateFormat&gt; &lt;dateFormat id="monthFormat"&gt; &lt;dateTimePattern&gt;MM&lt;/dateTimePattern&gt; &lt;/dateFormat&gt; ... &lt;/general&gt; {code}</pre>
Plugin - Module - Data Import	FEWS-13108	FEWS-9563 FOEN-DEV: New import format EEX for electricity price data	EEX import function for time series of an EEX data stream	The EEX import function (<importType>EEX</importType>) imports time series of an EEX data stream (transformed electricity rates time series; <a href="https://www.eex.com/en/">https://www.eex.com/en/</a> ).  See: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/EEX">https://publicwiki.deltares.nl/display/FEWSDOC/EEX</a>		<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;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"&gt; &lt;import&gt; &lt;general&gt; &lt;importType&gt;EEX&lt;/importType&gt; &lt;folder&gt;IMPORT_FOLDERS/eex&lt;/folder&gt; &lt;idMapId&gt;eexMapId&lt;/idMapId&gt; &lt;/general&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;ImportEEX&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;H_observed&lt;/parameterId&gt; &lt;locationId&gt;Swissix&lt;/locationId&gt; &lt;timeSeriesType&gt;external historical&lt;/timeSeriesType&gt; &lt;timeStep unit="hour" multiplier="1"/&gt; &lt;relativeViewPeriod unit="hour" start="0" end="24"/&gt; &lt;readWriteMode&gt;add originals&lt;/readWriteMode&gt; &lt;/timeSeriesSet&gt; &lt;/import&gt; &lt;/timeSeriesImportRun&gt;</pre>

Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Module - Data Import	FEWS-13034	WaterML2: import multiple locations in single call	Request multiple locations in single URL request	For some waterml services it is possible to request more than one timeseries per URL request. This can be done by adding multiple locations as a comma separated list to the location request parameter		<pre>{code} &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;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"&gt; &lt;!-- This is an example import configuration file for importing WaterML data from a WaterML server --&gt; &lt;import&gt; &lt;general&gt; &lt;!-- Class name of WaterML server parser --&gt; &lt;parserClassName&gt;nl.wldelft.waterml.timeseriesparsers.WaterMLServerParser&lt;/parser rClassName&gt; &lt;!-- Path to directory containing libraries --&gt; &lt;binDir&gt;%REGION_HOME%/Modules/waterml-bin&lt;/binDir&gt; &lt;!-- Directory from which CSV files are to be imported --&gt; &lt;serverUrl&gt;http://nwisvaws02.er.usgs.gov/ogc-swie/wml2/uv/sos&lt;/serverUrl&gt; &lt;idMapId&gt;IdImportWaterML2_usgs&lt;/idMapId&gt; &lt;importTimeZone&gt; &lt;timeZoneOffset&gt;-06:00&lt;/timeZoneOffset&gt; &lt;/importTimeZone&gt; &lt;/general&gt; &lt;/import&gt; &lt;properties&gt; &lt;!-- Optional: Use this option to write request and response messages to file. -- &gt; &lt;string key="RequestsOutputDirectory" value="c:/temp/"&gt; &lt;!-- Optional: Use this option to define what the request string must look like. This depends on how the WaterML2 webservice is setup. By using tags in the request template it is possible to insert the import parameters at run-time. The following tags can be set: @starttime@ = start time request period @endtime@ = end time of request period @locationid@ = location identifier @parameterid@ = parameter identifier @qualifier0@ = qualifier value 0 (can be used freely for additional purposes if required) @qualifier1@ = qualifier value 1 @qualifier2@ = qualifier value 2 @qualifier3@ = qualifier value 3 --&gt; &lt;string key="requestTemplate" value="format=ml2&amp;format=from@starttime@&amp;format=@endtime@&amp;format=loc_id@locationid@ </pre>
Plugin - Module - Data Import	FEWS-13030	Review and include DDSC Importer (made by HKV) in development branch	Dijk Data Service Center (DDSC) importer	Dijk Data Service Center (DDSC) importer for the REST API: <a href="https://api.ddsc.nl/api/v1/">https://api.ddsc.nl/api/v1/</a>  For documentation see: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/DDSC">https://publicwiki.deltares.nl/display/FEWSDOC/DDSC</a>		
Plugin - Module - Data Import	FEWS-12598	new import filter for ANA telemetry data	import filter for ANA telemetry data	import filter for ANA telemetry data. See: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/BrazilAna">https://publicwiki.deltares.nl/display/FEWSDOC/BrazilAna</a>		<pre>&lt;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"&gt; &lt;import&gt; &lt;general&gt; &lt;importType&gt;BrazilAna&lt;/importType&gt; &lt;folder&gt;\$IMPORT_FOLDERS\$/brazilana&lt;/folder&gt; &lt;idMapId&gt;ImportBrazilAnaMapId&lt;/idMapId&gt; &lt;/general&gt; </pre>
Plugin - Module - Data Import	FEWS-12529	FEWS-12539 Option in Sample Import to merge with existing sample data				<pre>{code} &lt;dataFeedId&gt;generalCSV&lt;/dataFeedId&gt; &lt;mergeWithExistingSampleData&gt;true&lt;/mergeWithExistingSampleData&gt; &lt;/general&gt; {code} </pre>
Plugin - Module - Data Import	FEWS-12185	Change unit tests to use the new FEWS test OpenDAP server				
Plugin - Module - Data Import	FEWS-12136	Import actionLogEventTypeld is always written for url imports. It should only be written once there is new data written to the datastore.		Only log import action event when there were time series written to database		
Plugin - Module - Data Import	FEWS-12323	Possibility to import historical events into new timeseries in database		Not a new feature. Already available (including in schema ) since 2013.02 under the name historicalEventsXML		
Plugin - Module - Data Import	FEWS-12369	FEWS-12363 BUFR import for plain text format	Importer for WMO BUFR ASCII data	Importer for WMO BUFR ASCII data. For documentation see: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/WmoBufAscii">https://publicwiki.deltares.nl/display/FEWSDOC/WmoBufAscii</a>		<pre>&lt;import&gt; &lt;general&gt; &lt;importType&gt;WmoBufAscii&lt;/importType&gt; </pre>

**JIRA** Delft-FEWS 2015.01 Release Notes - New Features


Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Module - Data Import	FEWS-12354	Import CSV met op een regel ofwel waarde ofwel commentaar	GeneralCSV import can also import comments only	GeneralCSV import can also import comments only. For documentation see: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/General+Csv#GeneralCsv-Importingcommentsonly(since2014.02)">https://publicwiki.deltares.nl/display/FEWSDOC/General+Csv#GeneralCsv-Importingcommentsonly(since2014.02)</a>		<pre>&lt;import&gt; &lt;general&gt; &lt;importType&gt;generalCSV&lt;/importType&gt; &lt;folder&gt;%REGION_HOME%/Import/testWPM&lt;/folder&gt; &lt;fileNamePatternFilter&gt;*.csv&lt;/fileNamePatternFilter&gt; &lt;failedFolder&gt;%REGION_HOME%/ImportFailed/testWPM/failedFolder&gt; &lt;backupFolder&gt;%REGION_HOME%/ImportBackup/testWPM/backupFolder&gt; &lt;/table&gt; &lt;locationColumn name="LOCATION"/&gt; &lt;dateColumn name="DATE" pattern="dd-MM-yyyy"/&gt; &lt;timeColumn name="TIME" pattern="HH:mm:ss"/&gt; &lt;commentColumn name="VALUE"/&gt; &lt;parameterColumn name="TYPE"/&gt; &lt;/table&gt;</pre>
Plugin - Module - Data Import	FEWS-12343	FEWS-11581 GMW - XML import format	GMW XML Import AifsMLObservations	The importer for GMW XML Import AifsMLObservations is now available. For documentation see: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/AifsMLObservations">https://publicwiki.deltares.nl/display/FEWSDOC/AifsMLObservations</a>		<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;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"&gt; &lt;import&gt; &lt;general&gt; &lt;importType&gt;AifsMLObservations&lt;/importType&gt; &lt;folder&gt;IMPORT_FOLDERS/aifsobservations&lt;/folder&gt; &lt;idMapId&gt;IdImportAifsMLObservations&lt;/idMapId&gt; &lt;/general&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;ImportAifsMLObservations&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;H.obs&lt;/parameterId&gt; &lt;locationId&gt;Amsterdam&lt;/locationId&gt; &lt;timeSeriesType&gt;external historical&lt;/timeSeriesType&gt; &lt;timeStep unit="nonequidistant" /&gt; &lt;readWriteMode&gt;add originals&lt;/readWriteMode&gt; &lt;/timeSeriesSet&gt; ... &lt;/import&gt;</pre>
Plugin - Module - Data Import	FEWS-11879	FEWS-11876 URA Importer	URA data import	URA data import. <a href="https://publicwiki.deltares.nl/display/FEWSDOC/URA">https://publicwiki.deltares.nl/display/FEWSDOC/URA</a>		<pre>&lt;importType&gt;URA&lt;/importType&gt; &lt;importTimeZone&gt; &lt;timeZoneName&gt;CET&lt;/timeZoneName&gt; &lt;/importTimeZone&gt;</pre>
Plugin - Module - Data Import	FEWS-11878	FEWS-11876 CHC Importer	CHC import function	CHC import function. See: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/CHC">https://publicwiki.deltares.nl/display/FEWSDOC/CHC</a>		<pre>&lt;importType&gt;CHC&lt;/importType&gt; &lt;importTimeZone&gt; &lt;timeZoneName&gt;CET&lt;/timeZoneName&gt; &lt;/importTimeZone&gt;</pre>
Plugin - Module - Data Import	FEWS-11877	FEWS-11876 DHI_PRESA importer	Importer for DHI_PRESA	Importer for DHI_PRESA. See: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/DHI_PRESA">https://publicwiki.deltares.nl/display/FEWSDOC/DHI_PRESA</a>		<pre>&lt;import&gt; &lt;general&gt; &lt;importType&gt;DHI_PRESA&lt;/importType&gt; &lt;folder&gt;%IMPORT_FOLDERS%/import/chc&lt;/folder&gt; &lt;idMapId&gt;dhiPresamapId&lt;/idMapId&gt; &lt;importTimeZone&gt; &lt;timeZoneName&gt;CET&lt;/timeZoneName&gt; &lt;/importTimeZone&gt; &lt;/general&gt;</pre>
Plugin - Module - Data Import	FEWS-11910	import filter for CEMIG binary grids	CEMIG binary GRID importer	CEMIG binary GRID importers: importType: CEMIG. Gzip support added. Property added: bytesToSkipBetweenTimeSteps  See for documentation: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/CEMIG">https://publicwiki.deltares.nl/display/FEWSDOC/CEMIG</a>		<pre>CEMIG binary GRID importers: &lt;importType&gt;CEMIG&lt;/importType&gt;</pre> <p>For a complete configuration documentation see: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/CEMIG">https://publicwiki.deltares.nl/display/FEWSDOC/CEMIG</a></p>



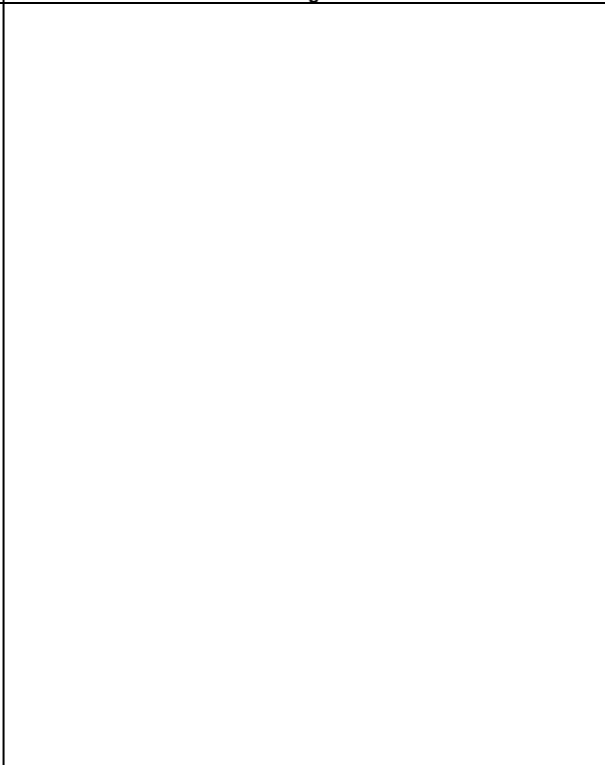
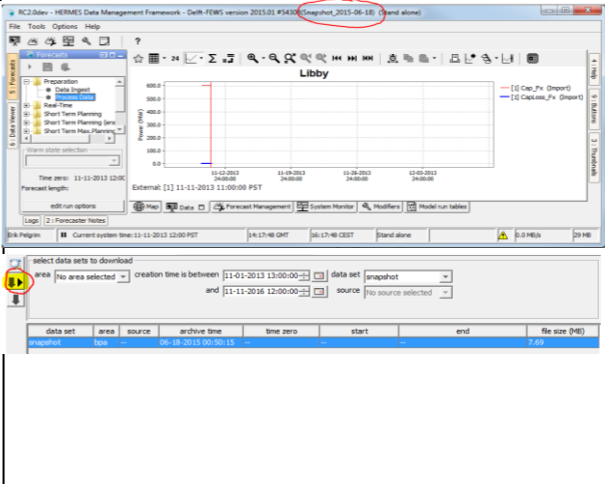
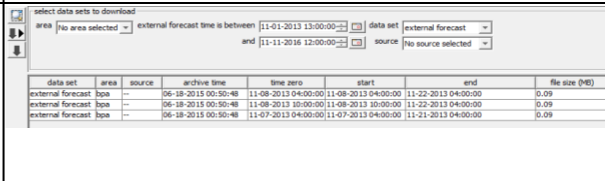
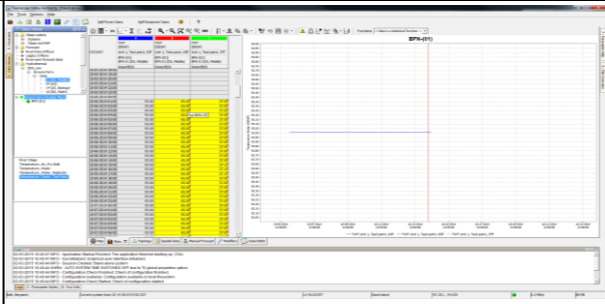
Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Module - Data Import	FEWS-13535	FEWS Suir-AFFS	Import from Office of Public Works API	Imports sensor data from the OPW API. Data can be retrieved for the following periods; day, week or month.		<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;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"&gt; &lt;!-- This is an example import configuration file for importing timeseries data from the OPW server --&gt; &lt;import&gt; &lt;general&gt; &lt;parserClassName&gt;nl.wldelft.timeseriesparsers.OpwTimeSeriesServerParser&lt;/parserC lassName&gt; &lt;!-- The format for an OPW data request is as follows: http://waterlevel.ie/data/&lt;period&gt;/&lt;station_num&gt;_&lt;sensor_num&gt;.csv where: period = day, week or month. These values are fixed. If the period is added to the serverUrl then the value of the relativeViewPeriod will be ignored. If the period is not added to the serverUrl then the value of the relativeViewPeriod will be converted to either; day, week, or month. station_num = Station identifier. This corresponds to the Location Id. This is a 5 digit number. sensor_num = Sensor identifier. This corresponds to the Parameter Id. This is either a 4 digit number or case sensitive e.g. OD --&gt; &lt;serverUrl&gt;http://waterlevel.ie/data/&lt;/serverUrl&gt; &lt;!-- The relative view period will always be converted to one of the following values; day, week or month. --&gt; &lt;relativeViewPeriod unit="hour" start="-5" end="0" startOverrullable="true" endOverrullable="true"/&gt; &lt;idMapId&gt;IdImportOpc&lt;/idMapId&gt; &lt;!-- Time zone of OPW server is always in UTC. --&gt; &lt;importTimeZone&gt; &lt;timeZoneOffset&gt;00:00&lt;/timeZoneOffset&gt; &lt;/importTimeZone&gt; &lt;/general&gt; &lt;properties&gt; &lt;!-- Optional: This is a folder to which to OPW response messages will be written. Use this option for debugging purposes. --&gt; &lt;string key="RequestsOutputDirectory" value="900"/&gt;  &lt;!-- Optional: Number of milliseconds for the import to wait for a response from the server. --&gt;</pre>
Plugin - Module - Data Export	FEWS-12460	Ontwikkelen service export naar WOW	Exporteer meteo data naar de WOW website van het KNMI	<a href="https://wow.knmi.nl/over-wow-nl">https://wow.knmi.nl/over-wow-nl</a> WOW-NL biedt jou de mogelijkheid om deel te nemen aan een innoverend weerproject. WOW-NL is hét platform waarop iedereen actuele weerwaarnemingen kan delen, bekijken, vergelijken en archiveren. Het Weather Observations Website (WOW) concept werd in 2011 gelanceerd door de Britse nationale weerdienst Met Office. Inmiddels maken ruim 7600 stations in 216 landen onderdeel uit van het netwerk. Het KNMI werkte voor de ontwikkeling van WOW-NL nauw samen met Met Office en zal dat ook blijven doen om het portaal verder te optimaliseren.		<pre>WOW Export Module Config {code} &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;timeSeriesExportRun xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.wldelft.nl/fewshttp://fews.wldelft.nl/schemas/ver sion1.0/timeSeriesExportRun.xsd"&gt; &lt;export&gt; &lt;general&gt; &lt;serializerClassName&gt;nl.wldelft.timeseriesserializers.WowTimeSeriesSerializer&lt;/s erializerClassName&gt; &lt;serverUrl&gt;http://wow.metoffice.gov.uk/automaticreading?&lt;/serverUrl&gt; &lt;!-- &lt;connectionTimeoutMillis&gt;3000&lt;/connectionTimeoutMillis&gt; --&gt; &lt;idMapId&gt;IdExportWow&lt;/idMapId&gt; &lt;unitConversionsId&gt;ExportUnitConversionsWow&lt;/unitConversionsId&gt; &lt;omitMissingValues&gt;true&lt;/omitMissingValues&gt; &lt;exportTimeZone&gt; &lt;timeZoneName&gt;GMT&lt;/timeZoneName&gt; &lt;/exportTimeZone&gt; &lt;/general&gt; &lt;properties&gt; &lt;int key="AwsPin" value="132567"&gt; &lt;description&gt;Required PIN code for uploading data to station&lt;/description&gt; &lt;/int&gt; &lt;!--&lt;int key="ReadTimeoutMillis" value="3000"&gt; &lt;description&gt;Optional timeout for response message. Defaults to 3000&lt;/description&gt; &lt;/int&gt;--&gt; &lt;!--&lt;int key="ConnectionTimeoutMillis" value="3000"&gt; &lt;description&gt;Optional timeout for establishing connection to server. Defaults to 3000&lt;/description&gt; &lt;/int&gt;--&gt; &lt;!--&lt;string key="SoftwareType" value="FewsWowExport1.0"&gt; &lt;description&gt;Optional identifier of describing source of datavalues. Defaults to 'FewsWowExport1.0'&lt;/description&gt; &lt;/string&gt;--&gt; &lt;/properties&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;ExportWow&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;P.meting.5m&lt;/parameterId&gt; &lt;!--&lt;locationId&gt;site_id&lt;/locationId&gt;--&gt;</pre>



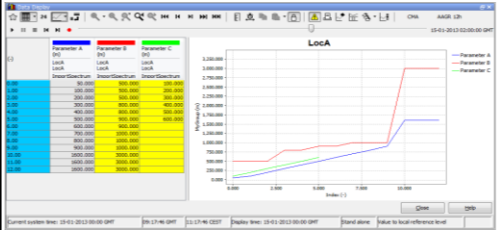
**JIRA** Delft-FEWS 2015.01 Release Notes - New Features

Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Module - Data Export	FEWS-12524	Add file creation time to PI XML export	Add export time as creationTime in timeseries export	If a timeseries does not have a creation time set in the header then no creationTime will be set during export. However now it is possible to overrule this functionality by setting either the export time as creation time or no creation Time.		<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;timeSeriesExportRun 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/timeSeriesExportRun.xsd"&gt; &lt;export&gt; &lt;general&gt; &lt;exportType&gt;PI&lt;/exportType&gt; &lt;folder&gt;../junit_test_output/nl/wldelft/fews/system/plugin/dataExport/PiExportWithCreationTimeTest/testPiExportWithCreationTime/export&lt;/folder&gt; &lt;exportFileName&gt; &lt;name&gt;rainfallPi&lt;/name&gt; &lt;/exportFileName&gt; &lt;idMapId&gt;Telemetry&lt;/idMapId&gt; &lt;unitConversionsId&gt;UnitConversions&lt;/unitConversionsId&gt; &lt;flagConversionsId&gt;FlagConversions&lt;/flagConversionsId&gt; &lt;exportMissingValueString&gt;-999.0&lt;/exportMissingValueString&gt; &lt;creationTime&gt;currentTime&lt;/creationTime&gt; &lt;/general&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;ExportRunMultipleTimeSeries&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;P.m&lt;/parameterId&gt; &lt;locationId&gt;H-2001&lt;/locationId&gt; &lt;timeSeriesType&gt;external historical&lt;/timeSeriesType&gt; &lt;timeStep unit="minute" divider="1" multiplier="15"/&gt; &lt;relativeViewPeriod unit="hour" start="0" end="5"/&gt; &lt;readWriteMode&gt;read only&lt;/readWriteMode&gt; &lt;/timeSeriesSet&gt; &lt;/export&gt; &lt;/timeSeriesExportRun&gt;</pre>
Plugin - Module - Data Export	FEWS-12189	Make data export of timeseries consistent for combination of missing values and quality flags.	Data export of timeseries now has an option to chose MISSING	Data export of timeseries now has an option to chose MISSING. Only if MISSING is selected, missing values will be exported.		
Plugin - Module - Data Export	FEWS-12229	FEWS-11816 Automatic export of one .csv per location from locationSets	Automatic timeSeries export of one .csv per location from locationSets	The ExportFileName now has a choice. If a name is specified, all locations will be exported to the same csv. In case a csv per location should be exported, the "useExternalLocationIdAsName" element can be used. If set to true the name of the external location will be used. If set to false, the location id will be used.		<pre>&lt;export&gt; &lt;general&gt; &lt;exportType&gt;csv&lt;/exportType&gt; &lt;folder&gt;export&lt;/folder&gt; &lt;exportFileName&gt; &lt;useExternalLocationIdAsName&gt;&gt;false&lt;/useExternalLocationIdAsName&gt; &lt;/exportFileName&gt; &lt;idMapId&gt;ExportPerLocation&lt;/idMapId&gt; &lt;/general&gt;</pre>
Plugin - Module - Data Export	FEWS-11063	FEWS-11062 Menyanthes export file should contain the surface level		Specific attributes can be made available for all time series exports now. This is done with a new schema element: <exportAttribute internalAttributeId="XXX" externalAttributeId="XXX"/> Where internalAttributeId refers to the location attribute and externalAttributeId will be the id the Menyanthes serializer will look for (hardcoded).		<pre>Time Series Export: {code} &lt;timeSeriesExportRun&gt; &lt;export&gt; &lt;general&gt;&lt;/general&gt; &lt;exportAttribute internalAttributeId="MAAIVELD" externalAttributeId="LOCATION_ATTRIBUTE_MAAIVELD_NAP"/&gt; &lt;exportAttribute internalAttributeId="MEETPUNT" externalAttributeId="LOCATION_ATTRIBUTE_MEETPUNT_NAP"/&gt; &lt;exportAttribute internalAttributeId="BOVENKANT_FILTER" externalAttributeId="LOCATION_ATTRIBUTE_BOVENKANT_FILTER"/&gt; &lt;exportAttribute internalAttributeId="ONDERKANT_FILTER" externalAttributeId="LOCATION_ATTRIBUTE_ONDERKANT_FILTER"/&gt; &lt;/timeSeriesSet&gt;&lt;/timeSeriesSet&gt; &lt;/export&gt; &lt;/timeSeriesExportRun&gt; {code}  Interactive Export Format: {code} &lt;interactiveExportFormat&gt; &lt;name&gt;Menyanthes&lt;/name&gt; &lt;exportType&gt;Menyanthes&lt;/exportType&gt; &lt;idMapId&gt;IdExportMenyanthes&lt;/idMapId&gt; &lt;exportAttribute internalAttributeId="MAAIVELD" externalAttributeId="LOCATION_ATTRIBUTE_MAAIVELD_NAP"/&gt; &lt;exportAttribute internalAttributeId="MEETPUNT" externalAttributeId="LOCATION_ATTRIBUTE_MEETPUNT_NAP"/&gt; &lt;exportAttribute internalAttributeId="BOVENKANT_FILTER" externalAttributeId="LOCATION_ATTRIBUTE_BOVENKANT_FILTER"/&gt; &lt;exportAttribute internalAttributeId="ONDERKANT_FILTER" externalAttributeId="LOCATION_ATTRIBUTE_ONDERKANT_FILTER"/&gt; &lt;/interactiveExportFormat&gt; {code}</pre>

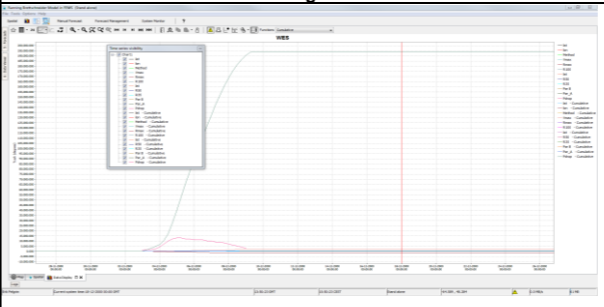
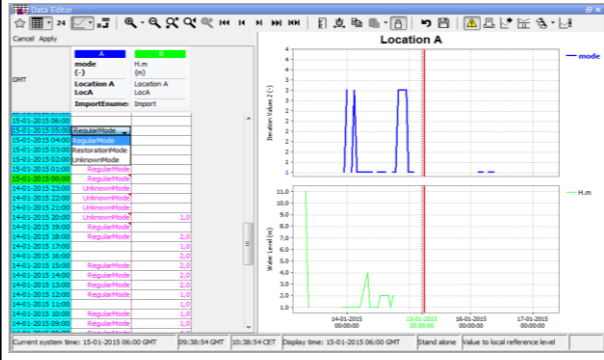
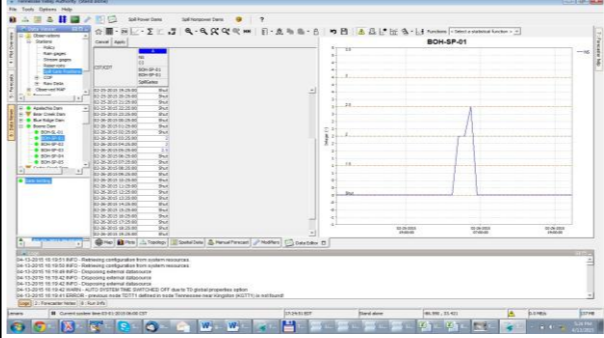
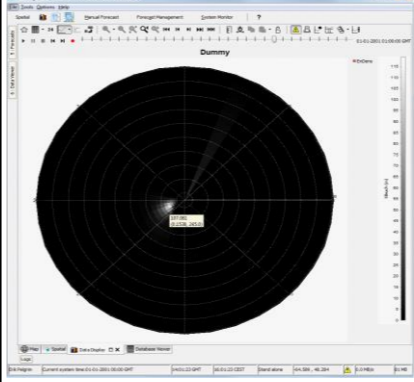
**JIRA** Delft-FEWS 2015.01 Release Notes - New Features

Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Module - Data Export	FEWS-12805	NOE WISKI Export ensemble time series	NoeWiskiTimeSeriesSerializer	<p>This serializer writes scalar time series to Wiski file format, as it is used by NOE-Amt der Niederosterreichischen Landesregierung. An example of the Wiski time series header:</p> <pre>{code:xml} ## FEWS Export #REXCHANGElocA_parX [CUNITm] [TZUTC0]* RINVAL-999.0*] #LAYOUT(timestamp,value,forecast,member,dispatch_info)*] {code}</pre> <p>REXCHANGE specifies location and parameter id. The format is REXCHANGE&lt;loc id&gt;_&lt;par id&gt; LAYOUT specifies the columns available in the file:  timestamp: event time  value: event value  forecast: forecast time (T0 of the forecast).  RINVAL will be written if the time series is not a forecast  memeber: ensemble memeber id. 0 will be written if the time series is not an ensemble series  dispatch_info: forecast dispatch(creation) time.  RINVAL will be written if the time series is not a simulated forecast</p> <p>NoeWiskiTimeSeriesSerializer can be used in both Expo rt and GeneralAdapter module, see config examples.</p> <p>ExportedWiskiFileExamples.ZIP contains various examples of exported Wiski files.</p>		<pre>Config example of TimeSeriesExportRun.xml: {code:xml} &lt;export&gt; &lt;general&gt; &lt;serializerClassName&gt;n1.wdelft.timeseriesserializers.NoeWiskiTimeSeriesSerializ er&lt;/serializerClassName&gt;  &lt;folder&gt;SEXPORT_FOLDERS&lt;/folder&gt; &lt;exportFileName&gt; &lt;name&gt;NoeWiski.zrx&lt;/name&gt; &lt;/exportFileName&gt;  &lt;/general&gt;  &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;ImportSimulated&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;ParameterA&lt;/parameterId&gt; &lt;locationId&gt;LocB&lt;/locationId&gt; &lt;locationId&gt;LocA&lt;/locationId&gt; &lt;timeSeriesType&gt;simulated forecasting&lt;/timeSeriesType&gt; &lt;timeStep unit="hour"/&gt; &lt;readWriteMode&gt;read complete forecast&lt;/readWriteMode&gt; &lt;ensembleId&gt;ENS&lt;/ensembleId&gt; &lt;/timeSeriesSet&gt; &lt;/export&gt; {code}</pre> <pre>Config example of GeneralAdapter.xml: {code:xml} &lt;exportActivities&gt; &lt;exportCustomFormatTimeSeriesActivity&gt; &lt;exportFile&gt;NoeWiski.zrx&lt;/exportFile&gt; &lt;serializerClassName&gt;n1.wdelft.timeseriesserializers.NoeWiskiTimeSeriesSerializ er&lt;/serializerClassName&gt; &lt;timeSeriesSets&gt; &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;ImportSimulated&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;ParameterA&lt;/parameterId&gt; &lt;locationId&gt;LocB&lt;/locationId&gt;</pre>
Plugin - Module - Archive	FEWS-12878	FEWS-10053 Archive: Add option to replace local datastore after snapshot download		<p>A snapshot (localDataStore) can be downloaded from the archive and immediatly start a new FEWS instance with it. This FEWS instance will have the same region home, will always be SA, will not log new messages, has the snapshot date added to the title of the FEWS instance and will delete the localDataStore when exiting FEWS.</p> <p>A config can be downloaded from the archive and immediatly start a new FEWS instance with it. This FEWS instance will have the same region home, will always be SA, will not log new messages, has the config date added to the title of the FEWS instance and will create a new temporary localDataStore which will be used instead of the one in the region home and the configuration and the temporary localDataStore are deleted when exiting FEWS.</p>		
Plugin - Module - Archive	FEWS-12877	FEWS-10053 Archive: Add search functionality on external forecast time		<p>From the FEWS client the archive can be searched for datasets with a specific external forecast time</p>		
Plugin - Module - (Primary) Validation	FEWS-12401	FEWS-10616 Validation Rules don't filter on qualifiers	Qualifiers can now be considered during primary validation.	<p>When matching timeSeriesSets during primary validation qualifiers are per default not considered. But by adding a &lt;considerQualifiers&gt; element to the validationRuleSet and setting it to true, the qualifiers also have to match for the validationRuleSet to match.</p>		<pre>&lt;validationRuleSet validationRuleSetId="3" timeZone="GMT"&gt; &lt;considerQualifiers&gt;true&lt;/considerQualifiers&gt; &lt;extremeValues&gt; &lt;hardMax constantLimit="10"/&gt; &lt;hardMin constantLimit="0"/&gt; &lt;softMax constantLimit="5"/&gt; &lt;softMin constantLimit="1"/&gt; &lt;/extremeValues&gt; ...</pre>

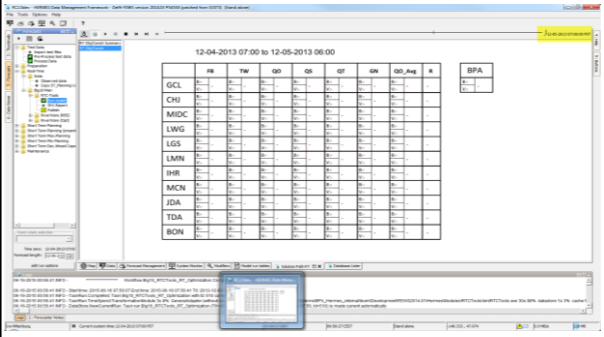
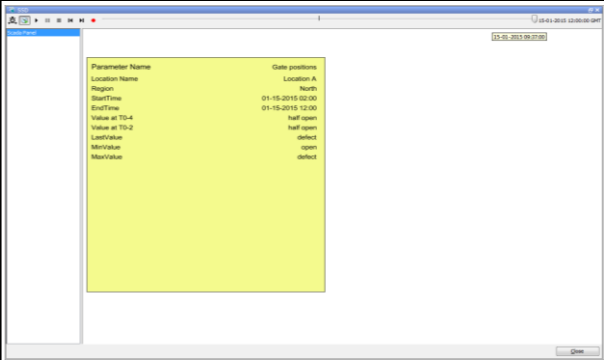
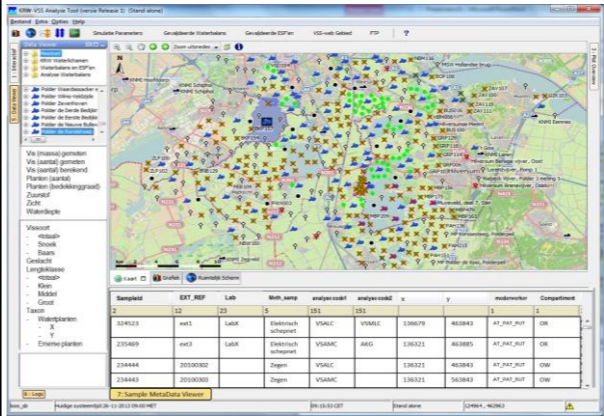
**JIRA** **Delft-FEWS 2015.01 Release Notes - New Features**

Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Gui - What-if Scenario, System - PI Service	FEWS-12652	FewsPiService: Running task with PiModuleParameter file always converts file to deprecated pi_parameters.xsd		When running tasks using the Tomcat FewsPiService it is now possible to provide a pi_modelparameters.xsd instance.		<pre> SOAP Request example {code} &lt;soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:few="http://fewspiservice.wldelft.nl"&gt; &lt;soapenv:Header/&gt; &lt;soapenv:Body&gt; &lt;few:runTask&gt; &lt;!--Optional: Just an identifier of caller. --&gt; &lt;!-- &lt;few:clientId?&gt;&lt;/few:clientId--&gt; &lt;!--Required:--&gt; &lt;few:workflowId&gt;WF_D3D_Santorini&lt;/few:workflowId&gt; &lt;!--Required: Start time of run. Used to retrieve warm states (if coldstateid not passed) --&gt; &lt;few:startTime&gt;2015-02-06T00:00:00.000+00:00&lt;/few:startTime&gt; &lt;!--Required: Forecast time or just current system time --&gt; &lt;few:timeZero&gt;2015-02-07T00:00:00.000+00:00&lt;/few:timeZero&gt; &lt;!--Required: End time of run. Used to define forecast run length --&gt; &lt;few:endTime&gt;2015-02-07T00:00:00.000+00:00&lt;/few:endTime&gt; &lt;!--Optional: Id of ColdState file to use. Overrides available warm states --&gt; &lt;!-- &lt;few:coldStateId&gt;wflow_cita_historical default&lt;/few:coldStateId&gt; --&gt; &lt;!--Optional: Id of a predefined WhatIf scenario. Needs to be configured. --&gt; &lt;!-- &lt;few:scenarioId?&gt;&lt;/few:scenarioId&gt; --&gt; &lt;!-- Optional: Allows client to provide module run parameters that can be exported to the modules by the General Adapter (requires additional FEWS configuration) --&gt; &lt;few:piParametersXml&gt;&lt;![CDATA[&lt;pi:parameters version="1.5" xmlns:pi="http://www.wldelft.nl/fews/PI"&gt; &lt;pi:group id="hello" name="hello" readonly="false" modified="false"&gt; &lt;pi:description&gt;Santorini&lt;/pi:description&gt; &lt;pi:parameter id="Latitude"&gt; &lt;pi:dblValue&gt;36.425&lt;/pi:dblValue&gt; &lt;/pi:parameter&gt; &lt;pi:parameter id="Longitude"&gt; &lt;pi:dblValue&gt;25.415&lt;/pi:dblValue&gt; &lt;/pi:parameter&gt; &lt;pi:parameter id="Wave.period"&gt; &lt;pi:dblValue&gt;60&lt;/pi:dblValue&gt; &lt;/pi:parameter&gt; &lt;pi:parameter id="Wave.amplitude"&gt; &lt;pi:dblValue&gt;10&lt;/pi:dblValue&gt; --]]&gt; &lt;/few:piParametersXml&gt; &lt;/code&gt; </pre>
Plugin - Gui - What-if Scenario	FEWS-12221	What-If Scenario Display: Improvement to User Defined Profile	Whatif Scenario Editor support a relative to T0 dateformat	<p>The Whatif Scenario Editor support a relative to T0 dateformat. Dates can be displayed relative to T0. This looks as follows:</p> <p>T0 - 1d : One day before T0  T0 : At T0  T0 + 1d : One day after T0  T0 + 1y : One year after T0  T0 + 1y 1d 1h : One year, one day and one hour after T0  T0 + 1y 1d 1h 3m : One year, one day, one hour and 3 minutes after T0  T0 + 1y 1d 1h 3m 2s : One year, one day, one hour, 3 minutes and 2 seconds after T0</p> <p>For more documentation see:  <a href="https://publicwiki.deltares.nl/display/FEWSDOC/03+What-If+Scenario+Display">https://publicwiki.deltares.nl/display/FEWSDOC/03+What-If+Scenario+Display</a></p>		<pre> &lt;relativeT0DateFormat&gt;true&lt;/relativeT0DateFormat&gt; </pre>
Plugin - Gui - Time Series Modifier, Plugin - Module - Modifiers (ModuleParameters)	FEWS-10023	FEWS-10053 New modifier type that allows to order a list of stations to define their priorities.	priorityModifier	ToDo Marijn		
Plugin - Gui - Time Series	FEWS-12916	FEWS-12363 hide unreliable data in 1D spectra plot	LongitudinalProfile/1D Spectra display: options 'Scale to show unreliable data' and 'Hide unreliaables'	<p>This display shows profile/spectra in selected time. When a profile/spectra in selected time is unreliable, then the relevant table column will get 'unreliable' color. Note that always the whole profile/spectra is unreliable, not the separate profile/spectra values.</p> <p>By default the Y-axis is scaled to reliable values, and the unreliable profile/spectra is displayed. If the profile/spectra time series has more times, then the minimum and maximum value over the whole series is used to scale the Y-axis. Use chart option 'Scale to show unreliable data' to rescale the Y-axis. Use chart option 'Hide unreliable' to hide the unreliable profile/spectra</p> <p>See attached pictures.</p>		

**JIRA** Delft-FEWS 2015.01 Release Notes - New Features

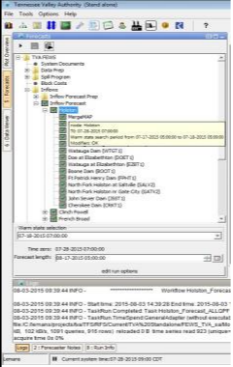
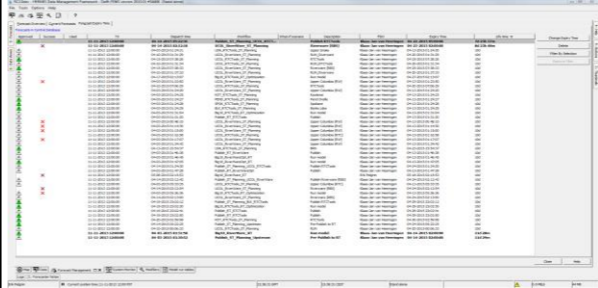
Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Gui - Time Series	FEWS-12419	Visibility button does not allow to enable/disable on-the-fly statistical timeseries		Visibility of statistical time series can now be selected separate from original time series. See screenshot capture.png		
Plugin - Gui - Time Series	FEWS-12567	FEWS-10276 Tabelfilters ook toepassen op grafiek				
Plugin - Gui - Time Series	FEWS-12321	FEWS-10616 TVA: TSD table extensions, to be able to show strings instead of numbers in the table	TimeSeriesDisplay: displaying enumeration labels	If the time series parameter is associated with an enumeration, the TimeSeriesDisplay shows in the table enumeration labels instead of number values. See attached example		
Plugin - Gui - Time Series	FEWS-12024	FEWS-10616 TVA: Display and modify time dependent gate positions (main issue with subtasks)				
Plugin - Gui - Time Series	FEWS-12116	FEWS-9698 Tool Tip for 2D spectra time series display		2D spectrum plot now shows tooltip with value plus domain values between brackets on the next line (frequency, radians) see screenshot capture.png		

**JIRA** Delft-FEWS 2015.01 Release Notes - New Features

Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - Gui - Schematic Status Display	FEWS-12965	FEWS-10053 RelativeViewPeriod of the SSD scroll bar should be automatically derived from the times series RVPs	Configure the relative view period using the timeNavigatorRelativePeriodVariables element.	Instead of the timeNavigatorRelativePeriod element, it is also possible to configure the relative view period using the timeNavigatorRelativePeriodVariables element. Using this element a list of variableId's have to be specified that refer to variables defined in the scada display configuration. For each specified variable the relative view period of the timeserieset is determined and will be joined together into a relative view period that includes all previous periods. The resulting calculated period will be used for the time navigator toolbar. This period is always relative to the current system time, similar to the timeNavigatorRelativePeriod.  <a href="https://publicwiki.deltares.nl/pages/viewpage.action?pageId=8684020#id-15SchematicStatusDisplay(formerlyScadaDisplay)-timeNavigatorRelativePeriodVariables">https://publicwiki.deltares.nl/pages/viewpage.action?pageId=8684020#id-15SchematicStatusDisplay(formerlyScadaDisplay)-timeNavigatorRelativePeriodVariables</a>		<pre>&lt;showTimeNavigatorToolbar&gt; &lt;timeNavigatorRelativePeriodVariables&gt; &lt;variableId&gt;variable1&lt;/variableId&gt; &lt;variableId&gt;variable2&lt;/variableId&gt; &lt;/timeNavigatorRelativePeriodVariables&gt; &lt;timeNavigatorTimeStep unit="hour" multiplier="1"/&gt; &lt;movieFrameDurationMillis&gt;500&lt;/movieFrameDurationMillis&gt; &lt;/showTimeNavigatorToolbar&gt;</pre>
Plugin - Gui - Schematic Status Display	FEWS-12868	FEWS-10616 TVA: SSD & timeseries value enumeration - showing labels instead of number values	SSD: showing enumeration labels instead of number values	SSD can display enumeration labels instead of number values if the series values are associated with an enumeration. To display labels, omit number format in the function. Some examples: %LASTVALUE(%), %INDEXVALUE(-2)%		See scada.svg in attachments
Plugin - Gui - Schematic Status Display	FEWS-12130	FEWS-12127 Hotspot Checks in SSD	Scada Display now only queries database if visible.	Scada Display now only queries database if visible. Logging on queries has been improved to indicate row count.		
Plugin - GUI - Sample Viewer	FEWS-10079	FEWS-10073 Develop Sample Metadata Viewer with filtering possibilities		See WIKI: <a href="https://publicwiki.deltares.nl/pages/viewpage.action?pageId=108954730">https://publicwiki.deltares.nl/pages/viewpage.action?pageId=108954730</a>		
Plugin - Gui - Map	FEWS-12435	FEWS-12430 Develop the ability to use location attributes in the filters to help selection of stations to be displayed				
Plugin - Gui - Manual Forecast	FEWS-12841	Change the number of lines in manual forecast dropdown to 16 instead of default 8		Small improvement in the manual forecast dialog. Show 16 workflows instead of 8 workflows in the drop down list without scrolling		no config required
Plugin - Gui - Manual Forecast	FEWS-11260	FEWS-11753 Forecast length estimator should allow to reduce period in case of a coldState		The forecast length, cold state selection and forecast length estimator are now allowed to shorten (instead of only extend) the relative view period of a time series set.		



**JIRA** Delft-FEWS 2015.01 Release Notes - New Features

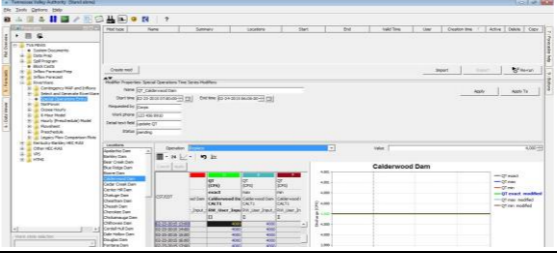
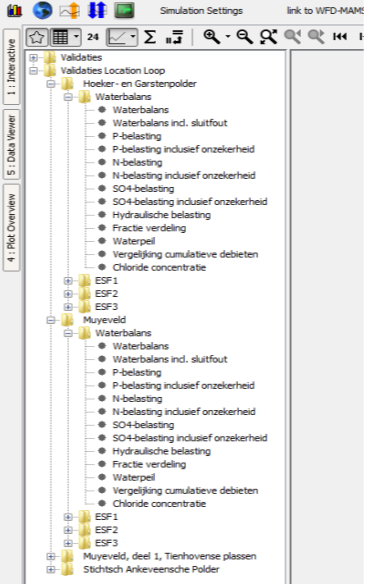
Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Plugin - GUI - IFD - Forecasts	FEWS-13334	FEWS-10616 request to let IFD status icons look at the T0 at the most recent cardinal timestep.				
Plugin - Gui - Grid Display	FEWS-12719	FEWS-11251 Default colour of missing value when threshold is selected is white, must be configurable colour	In GridDisplay when showing threshold flags and no thresholds defined or missing values present, then the missingValueColor will be used for point locations and tracks.	In GridDisplay when showing threshold flags and no thresholds defined or missing values present, then the missingValueColor will be used for point locations and tracks (instead of showing "No thresholds crossed").  The missingValueColor can be configured in the classBreaks element in the GridDisplay config (this was already available).		
Plugin - Gui - Forecast Manager	FEWS-12834	Forecast Manager (Expiry Time Tab) Look & Feel		Implemented improvements:  Remove strikethrough Add (sortable) column 'Life time' (default it will say 10 days) Make complete row bold if life time of that specific forecast is NOT equal to the default of 10 days		
Plugin - Gui - Archive Display	FEWS-13234	FEWS-10053 New icons for Archive Dialog				
Plugin - Gui - Archive Display	FEWS-13502	FEWS-10053 Feature to configure which data types should be listed in the Archive search dialog				<pre> {code} &lt;searchDataTypes&gt; &lt;type&gt;config&lt;/type&gt; &lt;type&gt;externalForecast&lt;/type&gt; &lt;type&gt;observed&lt;/type&gt; &lt;type&gt;simulated&lt;/type&gt; &lt;type&gt;snapshot&lt;/type&gt; &lt;/searchDataTypes&gt; &lt;/archiveModuleDisplay&gt; {code} </pre>

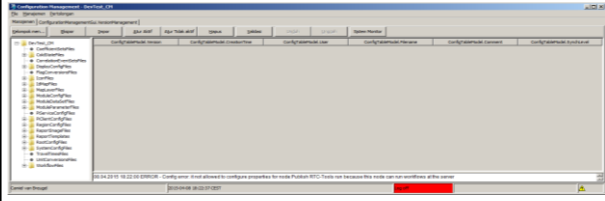
Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Module Adapter - Delft3D	FEWS-12947	FEWS-9698 Delft3D adapter: add functionality for online coupled FLOW and WAVE	Can now run Delft3DAdapters for modules FLOW and WAVE in sequence for online-coupled-FLOW-WAVE runs	<p>The Delft3DAdapters for the different modules FLOW and WAVE can now be run in sequence within the same generalAdapter with the same netcdf run info file without problems. This can be used for online-coupled-FLOW-WAVE model runs.</p> <p>Also see <a href="https://publicwiki.deltares.nl/display/FEWSDOC/Delft3D+adapter+with+NetCDF+run+file">https://publicwiki.deltares.nl/display/FEWSDOC/Delft3D+adapter+with+NetCDF+run+file</a></p>		<pre>{code:xml} &lt;executeActivities&gt; &lt;executeActivity&gt; &lt;description&gt;Delft3D Pre-adapter for FLOW&lt;/description&gt; &lt;command&gt; &lt;className&gt;nl.wldelft.fews.adapter.delft3d.Delft3DPreAdapter&lt;/className&gt; &lt;/command&gt; &lt;arguments&gt; &lt;argument&gt;%ROOT_DIR%&lt;/argument&gt; &lt;argument&gt;%WORK_DIR%/run_info.nc&lt;/argument&gt; &lt;argument&gt;FLOW&lt;/argument&gt; &lt;/arguments&gt; &lt;timeOut&gt;10800000&lt;/timeOut&gt; &lt;overrulingDiagnosticFile&gt;%ROOT_DIR%\diagnostics\delft3dpreadapter.xml&lt;/overrulingDiagnosticFile&gt; &lt;/executeActivity&gt; &lt;executeActivity&gt; &lt;description&gt;Delft3D Pre-adapter for WAVE&lt;/description&gt; &lt;command&gt; &lt;className&gt;nl.wldelft.fews.adapter.delft3d.Delft3DPreAdapter&lt;/className&gt; &lt;/command&gt; &lt;arguments&gt; &lt;argument&gt;%ROOT_DIR%&lt;/argument&gt; &lt;argument&gt;%WORK_DIR%/run_info.nc&lt;/argument&gt; &lt;argument&gt;WAVE&lt;/argument&gt; &lt;/arguments&gt; &lt;timeOut&gt;10800000&lt;/timeOut&gt; &lt;overrulingDiagnosticFile&gt;%ROOT_DIR%\diagnostics\delft3dpreadapter.xml&lt;/overrulingDiagnosticFile&gt; &lt;/executeActivity&gt; &lt;executeActivity&gt; &lt;description&gt;Run delftflow&lt;/description&gt; &lt;command&gt; &lt;executable&gt;%ROOT_DIR%/workDir/run_flow2d3d.bat&lt;/executable&gt; &lt;/command&gt; &lt;arguments&gt; &lt;argument&gt;%D3D_HOME%&lt;/argument&gt; &lt;argument&gt;%MODEL%&lt;/argument&gt; &lt;/arguments&gt; &lt;timeOut&gt;90000000&lt;/timeOut&gt; &lt;ignoreDiagnostics&gt;true&lt;/ignoreDiagnostics&gt; &lt;/executeActivity&gt; &lt;/executeActivities&gt;</pre>
Module Adapter - All	FEWS-9699	FEWS-9698 Model Adapter: XBeach	Model adapter for XBeach	<a href="https://publicwiki.deltares.nl/display/FEWSDOC/XBeach+Adapter">https://publicwiki.deltares.nl/display/FEWSDOC/XBeach+Adapter</a>		
Database	FEWS-12132	FEWS-12127 Mutual Mirroring - Take into account 'history' at first mirror back run				<pre>{code} &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;externalTablesMirrorUpdate xsi:schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/externalTablesMirrorUpdate.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.wldelft.nl/fews"&gt; &lt;importManualEditsTable&gt;true&lt;/importManualEditsTable&gt; &lt;/externalTablesMirrorUpdate&gt; {code}</pre>
Database	FEWS-12131	FEWS-12127 Mutual Mirroring - Full Unblobbed Import				<pre>{code} &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;workflow 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/workflow.xsd" version="1.1"&gt; &lt;activity&gt; &lt;runIndependent&gt;true&lt;/runIndependent&gt; &lt;moduleId&gt;ExternalTablesMirrorUpdate&lt;/moduleId&gt; &lt;/activity&gt; &lt;/workflow&gt; {code} &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;externalTablesMirrorUpdate xsi:schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0/externalTablesMirrorUpdate.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.wldelft.nl/fews"&gt; &lt;importManualEditsTable&gt;true&lt;/importManualEditsTable&gt; &lt;/externalTablesMirrorUpdate&gt; {code}</pre>



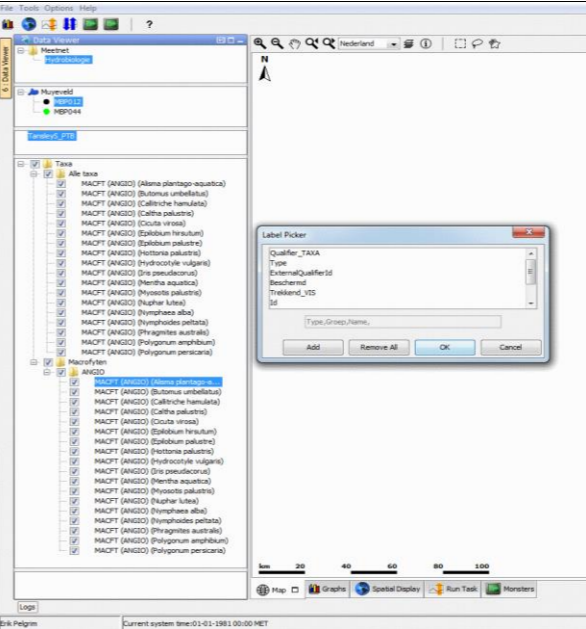
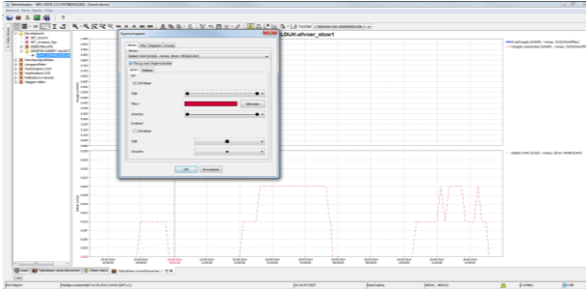
Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Database	FEWS-12319	FEWS-10616 TVA: new schema with value enumerations, import and export of enumeration labels	Import and Export of enumeration labels instead of numerical values	<p>Time series Import module supports importing of enumeration labels instead of numerical values for parameters that are associated with an enumeration.</p> <p>If the reader reads strings (i.e. labels) from the file, these strings are converted to associated numerical value from the enumeration and then stored in database.</p> <p>If the reader reads numerical values, the values should be present in the enumeration.</p> <p>Time series Export module supports exporting of enumeration labels instead of numerical values for parameters that are associated with an enumeration.</p> <p>Use option convertValuesToEnumerationLabels=true in TimeSeriesExportRun.xml to write enumeration labels to the file instead of numerical value Please note that this option is only applicable to those file formats where time series values can be stored as strings, for example CSV formats</p>		
Database	FEWS-13646	Improve Query/Execution Plan for DDA query: remove (max) localIntId				
Configuration	FEWS-12837	FEWS-10777 Include reference to attributeFile (CSV) in Select by MapItem		Instead of using just related locations for the select by map item, now multiple attributes (and multi-valued attributes) can be used by the "select by map item" tool in the spatial display. This way one location can be selected via multiple area's.		<pre> Explorer.xml {code} &lt;esriShapeLayer id="Afvoergebieden_attribute_equals"&gt; &lt;file&gt;afvoergebieden.shp&lt;/file&gt; &lt;visible&gt;true&lt;/visible&gt; &lt;selectByMapItemAttributeEquals&gt; &lt;attributeId&gt;AFVOERGEBIED_ATTRIBUTE&lt;/attributeId&gt; &lt;attributeId&gt;AFVOERGEBIED_ATTRIBUTE_2&lt;/attributeId&gt; &lt;textEquals&gt;%GAFCODE%&lt;/textEquals&gt; &lt;/selectByMapItemAttributeEquals&gt; &lt;toolTip&gt;%GAFNAAM%&lt;/toolTip&gt; &lt;/esriShapeLayer&gt; {code}  LocationSets.xml {code} &lt;attributeFile&gt; &lt;csvFile&gt;oppvlwater_subloc_multiple_attributes.csv&lt;/csvFile&gt; &lt;id&gt;%LOCID%&lt;/id&gt; &lt;timeZoneOffset&gt;+00:00&lt;/timeZoneOffset&gt; &lt;attribute id="AFVOERGEBIED_ATTRIBUTE"&gt; &lt;text&gt;%AFVOERGEBIED_ATTRIBUTE%&lt;/text&gt; &lt;/attribute&gt; &lt;attribute id="AFVOERGEBIED_ATTRIBUTE_2"&gt; &lt;text&gt;%AFVOERGEBIED_ATTRIBUTE_2%&lt;/text&gt; &lt;/attribute&gt; &lt;/attributeFile&gt; {code} </pre>
Configuration	FEWS-12422	FEWS-12430 BPA: apply config template tokens to all TimeSeries elements		The relative view period, time step, time series type and value type of a time series set may now contain a property (\$VAR\$).		<pre> {code:xml} &lt;timeSeriesSet&gt; &lt;moduleInstanceId&gt;import&lt;/moduleInstanceId&gt; &lt;valueType&gt;scalar&lt;/valueType&gt; &lt;parameterId&gt;H.obs&lt;/parameterId&gt; &lt;locationId&gt;H-2001&lt;/locationId&gt; &lt;timeSeriesType&gt;\$TIME_SERIES_TYPE\$&lt;/timeSeriesType&gt; &lt;timeStep unit="day"/&gt; &lt;relativeViewPeriod unit="day" start="\$START_DAYS\$" end="1"/&gt; &lt;readWriteMode&gt;read only&lt;/readWriteMode&gt; &lt;/timeSeriesSet&gt; {code} </pre>

**JIRA** Delft-FEWS 2015.01 Release Notes - New Features

Component/s	Key	Summary	Release Note Text	Release Note Text Description	Images	Config Example
Configuration, Plugin - Module - Modifiers (TimeSeries)	FEWS-12001	FEWS-10616 TVA: Ability to enter text information (memo field) in Modifier Display	Modifier Types now have a user defined description option	A userDefinedDescriptionField has been added to each modifier Type. With this extra description field can be added in the Modifier Properties Panel. Each userDefinedDescriptionField has an id and descriptionField attribute, with the descriptionField being used to label the text fields in the GUI		<pre>&lt;timeSeriesModifier id="QO_Modifiers" name="OutFlow"&gt; &lt;expiryTime unit="day" multiplier="365"/&gt; &lt;expiryTimeDeletedModifiers unit="day" multiplier="5"/&gt; &lt;userDefinedDescriptionField id="user" descriptionField="UserName"/&gt; &lt;userDefinedDescriptionField id="weather" descriptionField="Weather Condition"/&gt; &lt;/timeSeries&gt; &lt;/.....&gt; &lt;/timeSeries&gt; &lt;/.....&gt; &lt;/timeSeriesModifier&gt;</pre>
Configuration	FEWS-11032	FEWS-11029 Loop to generate same set of graphs for all locations in a LocationSet (in Displaygroups)		It is now possible to create a whole tree of display groups for each location in a location set. See capture.png for the same display groups tree for 4 locations, Hoeker en Garstenspolder, Muyevelde, Muyevelde deel 1 Tienhovense plassen, Stichtsch Ankeveense Polder.		<pre>{code} &lt;displayGroup name="Validaties Location Loop"&gt; &lt;displayGroup name=" "&gt; &lt;locationLoop&gt; &lt;locationSetId&gt;AanAfvoergebieden&lt;/locationSetId&gt; &lt;includeChildren&gt;true&lt;/includeChildren&gt; &lt;locationRelationId&gt;L_GEBIED&lt;/locationRelationId&gt; &lt;locationRelationId&gt;L_ZICHT&lt;/locationRelationId&gt; &lt;locationRelationId&gt;meetnet_parent&lt;/locationRelationId&gt; &lt;/locationLoop&gt; &lt;displayGroup name="Waterbalans"&gt; &lt;display name="Waterbalans"&gt; &lt;plotId&gt;Waterbalans&lt;/plotId&gt; &lt;/display&gt; &lt;display name="Waterbalans incl. sluitfout"&gt; &lt;plotId&gt;Waterbalans_sluitfout&lt;/plotId&gt; &lt;/display&gt; &lt;/displayGroup&gt; ... &lt;/displayGroup&gt; &lt;/displayGroup&gt; &lt;/displayGroup&gt; {code}</pre>
Configuration	FEWS-11030	FEWS-11029 Build loop in workflow for a locationSet (comparable to EnsembleLoop)		For a workflow, a location-loop can be defined in which each location (site) in a location set is run separately. The \$LOOP_LOCATION_IDS tag in the configuration can be used to point to the corresponding locationID of the current location.  This is useful in combination with (related location) Constraints, because then it is possible to filter a locationSet on the basis of the \$LOOP_LOCATION_IDS.		<pre>{code:xml} &lt;activity&gt; &lt;runIndependent&gt;true&lt;/runIndependent&gt; &lt;moduleInstanceId&gt;ModuleInstanceId&lt;/moduleInstanceId&gt; &lt;loopLocationSetId&gt;LocationSetId&lt;/loopLocationSetId&gt; &lt;/activity&gt;</pre> <p>In the ModuleInstance (e.g. exportActivity of a GeneralAdapter) in every 'loop' the \$LOOP_LOCATION_IDS tag will be replaced with the 'actual' locationId.</p> <pre>&lt;timeSeriesSet&gt; &lt;LocationId&gt;\$LOOP_LOCATION_IDS&lt;/LocationId&gt; &lt;/timeSeriesSet&gt; {code}</pre>

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Configuration	FEWS-11031	FEWS-11029 Extend GeneralAdapter with locationRelationConstraint		By adding a relatedLocationConstraint (similar to Constraints which you can now use in LocationSets.xml) to the general adapter under a timeseriesSets element (exportActivity), it becomes possible to filter a locationSet on the basis of a constraint. This is useful in combination with the location-loop in which a workflow is run for each individual location in a locationSet. To apply this the \$LOOP_LOCATION_ID\$ tag should be used		<pre> In the General Adapter {code:xml} &lt;activity&gt; &lt;runIndependent&gt;true&lt;/runIndependent&gt; &lt;moduleInstanceId&gt;ModuleInstanceId&lt;/moduleInstanceId&gt; &lt;loopLocationSetId&gt;LocationSetId&lt;/loopLocationSetId&gt; &lt;/activity&gt; {code}  in the ModuleInstanceId config {code:xml} &lt;timeSeriesSets&gt; &lt;timeSeriesSet&gt; &lt;locationSetId&gt;Grondwater&lt;/locationSetId&gt; ... &lt;timeSeriesSet&gt; &lt;timeSeriesSet&gt; &lt;locationSetId&gt;Grondwater2&lt;/locationSetId&gt; ... &lt;timeSeriesSet&gt; &lt;locationConstraints&gt; &lt;relatedLocationEquals relationId="gebied" locationId= "\$LOOP_LOCATION_IDS"/&gt; &lt;locationConstraints&gt; &lt;/timeSeriesSets&gt; {code} </pre>
App - TeamCity	FEWS-11696	Archive build: add build number in code/logging/teamcity download	Archive build numbers to teamcity distribution, war manifest and server log files.	Archive build has now build number added to teamcity distribution zip file, is added to the war manifest and is logged during server startup in all configured log files.		
App - Operator Client Gui (Explorer), Configuration	FEWS-12880	Support related locations in Filter definition using constraints		More flexibility when defining filters.xml. For time series set based filters it was possible to specify a location relation. This now also possible for the query/constraint based time series sets		<pre> {code:xml} &lt;filter id="KRW-waterlichamen"&gt; &lt;relativeViewPeriod start="-100000" end="0" unit="day"/&gt; &lt;locationRelationId = "Meetlocatie"/&gt; &lt;locationConstraints&gt; &lt;idStartsWith prefix="NL"/&gt; &lt;/locationConstraints&gt; &lt;parameterConstraints&gt; &lt;idStartsWith prefix=""/&gt; &lt;/parameterConstraints&gt; &lt;qualifierConstraints&gt; &lt;idStartsWith prefix=""/&gt; &lt;/qualifierConstraints&gt; &lt;/filter&gt; {code} </pre>
App - Operator Client Gui (Explorer)	FEWS-12847	FEWS-10777 Viewer for location configuration csv files	Viewer for location configuration csv and dbf files	A viewer has been added to display location configuration csv and dbf files. They are displayed in a table that can be sorted, filtered, columns can be hidden. See for more documentation: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/20.+Location+Attributes+Display">https://publicwiki.deltares.nl/display/FEWSDOC/20.+Location+Attributes+Display</a>		<pre> Explorer.xml: &lt;explorerTask name="Location Attributes Display"&gt; &lt;mnemonic&gt;L&lt;/mnemonic&gt; &lt;displayConfigFileName&gt;LocationAttributesDisplay&lt;/displayConfigFileName&gt; &lt;toolbarTask&gt;true&lt;/toolbarTask&gt; &lt;menubarTask&gt;true&lt;/menubarTask&gt; &lt;accelerator&gt;ctrl L&lt;/accelerator&gt; &lt;toolWindow&gt;&gt;false&lt;/toolWindow&gt; &lt;loadAtStartup&gt;true&lt;/loadAtStartup&gt; &lt;/explorerTask&gt;  LocationAttributesDisplay.xml: &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;locationAttributesDisplay 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/locationAttributesDisplay.xsd"/&gt; </pre>
App - Operator Client Gui (Explorer)	FEWS-12809	Add language files for Indonesisch/Bahasa	Indonesian translations added to FEWS.	Indonesian translations added to FEWS.		

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App - Operator Client Gui (Explorer)	FEWS-12388	Improve inaccuracy of maps in the far east and west		Accuracy of displaying shape files increased to +- 50cm. Buildings are now also displayed correctly when zooming far in.		no config required
App - Operator Client Gui (Explorer)	FEWS-11860	FEWS-11899 Keep a copy of the local client log.txt (e.g. log.txt.old) similar to the MCproxy log files	log.txt files will be copied to log.txt.old after FEWS restarts.	After a restart, FEWS overwrites existing log.txt files. Now, just before a shutdown of FEWS, the current log.txt files will be copied to log.txt.old. AIs support for a rolling file appender has been added that doesn't overwrite existing logfiles but keeps appending to the existing files and keeps track of a limited number of backups. For more documentation see: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/09+Logging">https://publicwiki.deltares.nl/display/FEWSDOC/09+Logging</a>		Example of a RollingFileAppender log configuration: <pre>&lt;appender name="defaultLogFile" class="org.apache.log4j.RollingFileAppender"&gt; &lt;param name="File" value="\${log.file.path}"/&gt; &lt;param name="MaxFileSize" value="20MB"/&gt; &lt;!-- Keep 5 backup file --&gt; &lt;param name="MaxBackupIndex" value="5"/&gt; &lt;param name="Append" value="true"/&gt; &lt;layout class="org.apache.log4j.PatternLayout"&gt; &lt;param name="ConversionPattern" value="%d] %p - %C{1}.%M - %m%n"/&gt; &lt;/layout&gt; &lt;/appender&gt;</pre>
App - Operator Client Gui (Explorer)	FEWS-11902	FEWS-10276 More flexibility in searching/selecting in locations/parameter listboxes	Selection in the data explorer van also be done with checkboxes	Locations, parameters and qualifiers now have the ability to be selected with checkboxes. To do so, right click on the windows for which you want the checkbox selection and select "Show checkbox selection". With checkbox selection, selecting the label does not select the item. You will have to check the checkbox to select the item. A greyed out selected checkbox means the it has children of which some are selected.		
App - Operator Client Gui (Explorer)	FEWS-10057	FEWS-9814 Placeholder for Usability and UI tuning	Status bar colors are soft for status connecting, synchronizing and logged on.	Status bar colors have changed for: Connecting: #F79F81 (soft red) Synchronizing: #F5A9F2 (soft magenta) Logged on: #D0F5A9 (soft green)		
App - Operator Client Gui (Explorer)	FEWS-10158	FEWS-10073 Add toggle option to switch between names for the qualifiers		When using the (right click) context menu in the qualifier tree it is possible to change the labels of the qualifiers by making a selection of the attributes. A label picker window will pop up where all attributes of the qualifiers can be selected. Multiple can be selected in any order, if a qualifier does not have that attribute defined it is skipped, when multiple a chosen all beyond the first will be surrounded by brackets. The qualifiers will be order alphabetically on their complete label.		
App - Operator Client Gui (Explorer), Plugin - Gui - Time Series	FEWS-10789	FEWS-10777 Switch for reading layout (e.g. coloring) settings from Configuration / User Settings		A checkbox is added to the time series properties editor to go back to default style when clicking ok. See ReturnToDefaultSeriesProperties.png		

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App - Operator Client Gui (Explorer)	FEWS-10779	FEWS-10777 Improve visualisation of datapoints in scatterplot	Scatterplot points show the date in the tooltip and supports seasonal colors.	Scatterplot points now show the date in the tooltip. Since some points in the scatterplot can occur more than once, the date of the first point in the timeseries will be used.  Seasonal colors are supported by configuring seasons inside the statisticalFunction element using monthDay attributes different seasons can be configured. Overlapping seasons are not supported.  See also: <a href="https://publicwiki.deltares.nl/display/FEWSDOC/02+Time+Series+Display+Configuration">https://publicwiki.deltares.nl/display/FEWSDOC/02+Time+Series+Display+Configuration</a>		<statisticalFunction function="scatterPlot" label="Seasonal Scatterplot"> <season startMonthDay="--01-01" endMonthDay="--03-31" label="January, Februar, March" color="orange"/> <season startMonthDay="--04-01" endMonthDay="--06-30" label="April, May, June" color="green"/> <season startMonthDay="--07-01" endMonthDay="--09-30" label="July, August, September" color="yellow"/> <season startMonthDay="--10-01" endMonthDay="--12-31" label="October, November, December" color="red"/> </statisticalFunction>
App - Operator Client Gui (Explorer), Configuration	FEWS-12979	Implement 'Proxy Vole' to resolve proxies from a WPAD file				
App - Master Controller Server	FEWS-12637	Adapt configurator to create ini files, not jpif		Configurator now creates ini files for Operator Client and Configuration Manager and .exe files using them		
App - Data Conversion Module	FEWS-11928	FEWS-9975 Command line option in DCM: run a specific Workflow	Command line option in DCM: run a specific Workflow	Besides the existing command line arguments, new ones will be workflowid, importdir and exportdir. To apply this, the argument for "configuration file" should be replaced by the argument "workflow-id". In this way, the DCM no longer searches for a configuration file.  Furthermore, you can still specify OPTIONAL arguments importdir = .. / import / root and exportdir = .. / export / root. These two arguments replace the global.properties values for IMPORT_FOLDER_ROOT and EXPORT_FOLDER_ROOT respectively. This must therefore be taken into account in setting up the import and export configuration.  Other optional arguments will be: system time = yyyy-MM-dd'T'HH: mm: SSZ and bindir = .. / bin  Big difference is that now the arguments must be explicitly named and - as a result - you do not need dcm configuration anymore.		Running from command line  {code} echo. echo %0: echo Batch script to run Data Conversion module on windows. echo. echo Note: please make sure the path to java.exe is correct in this script echo (currently set to %JVMCMD%) echo. echo Available commandline arguments: echo. echo regionpath = path or name of region folder. Required parameter echo configfile = configuration file. Optional parameter. echo If not used then parameter workflowid is required. echo workflowid = Name of workflow to run. If not used the parameter echo configfile is required. echo systemtime = system time (yyyy-MM-dd HH:mm:ssZ). Optional parameter. echo Defaults to current system time. echo importpath = path to import files. Optional parameter. echo Used in combination with parameter workflowid. echo exportpath = path to export files. Optional parameter. echo Used in combination with parameter workflowid. echo binpath = path to binaries. Optional parameter. echo This parameter can not be passed on command line when using echo this batch script. echo. echo. echo Example usages: echo. echo DataConversion regionpath=[path to region] configfile=[name of config file] echo systemtime=[yyyy-MM-dd HH:mm:ssZ] echo DataConversion regionpath=[path to region] workflowid=[workflow] echo importpath=[path to import files] exportpath=[path to echo output files] systemtime=[yyyy-MM-dd HH:mm:ssZ]  {code}
App - Archive	FEWS-13141	FEWS-10053 Archive data set search panel improvements				
App - Archive	FEWS-12864	FEWS-10616 TVA: archive & timeseries value enumeration		For parameters with enumeration values the attributes enumeration_values and enumeration_meanings are added to the netcdf variable:  float Gate(time, stations); Gate:long_name = "Gate"; Gate:units = "-"; Gate:_FillValue = -9999.0f; Gate:enumeration_values = "0, 1, 2"; Gate:enumeration_meanings = "Closed, Half Open, Open"; Gate:coordinates = "lat lon";		

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App - Archive	FEWS-11782	FEWS-11251 archiveDataManagement: allow mechanism to distinguish between two kinds external forecasting datasets				<pre>{code} &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;dataManagementTool xmlns="http://www.wldelft.nl/fews/archive" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.wldelft.nl/fews/archive http://fews.wldelft.nl/schemas/version1.0/archive- schemas/dataManagementTool.xsd"&gt; &lt;outputFile&gt;a.b&lt;/outputFile&gt; &lt;eventsFolder&gt;XXX&lt;/eventsFolder&gt; &lt;archiveConfigFolder&gt;XXX&lt;/archiveConfigFolder&gt; &lt;lifeTimeRules&gt; &lt;basePath&gt;XXX&lt;/basePath&gt; &lt;defaultLifeTime unit="year" multiplier="10"/&gt; &lt;defaultAction&gt;default&lt;/defaultAction&gt; &lt;lifeTimeSimulatedDataSets&gt; &lt;sourceId&gt;sourceAsim&lt;/sourceId&gt; &lt;lifeTime unit="month" multiplier="100"/&gt; &lt;action&gt;specific&lt;/action&gt; &lt;/lifeTimeSimulatedDataSets&gt; &lt;lifeTimeSimulatedDataSets&gt; &lt;sourceId&gt;sourceBsim&lt;/sourceId&gt; &lt;lifeTime unit="month" multiplier="50"/&gt; &lt;action&gt;specific&lt;/action&gt; &lt;/lifeTimeSimulatedDataSets&gt; &lt;lifeTimeObservedDataSets&gt; &lt;sourceId&gt;sourceAobs&lt;/sourceId&gt; &lt;lifeTime unit="year" multiplier="2"/&gt; &lt;action&gt;specific&lt;/action&gt; &lt;/lifeTimeObservedDataSets&gt; &lt;lifeTimeObservedDataSets&gt; &lt;sourceId&gt;sourceBobs&lt;/sourceId&gt; &lt;lifeTime unit="year" multiplier="4"/&gt; &lt;action&gt;general&lt;/action&gt; &lt;/lifeTimeObservedDataSets&gt; &lt;lifeTimeExternalForecastDataSets&gt; &lt;lifeTime unit="year"/&gt; &lt;action&gt;general&lt;/action&gt; &lt;/lifeTimeExternalForecastDataSets&gt; &lt;lifeTimeExternalForecastDataSets&gt; &lt;sourceId&gt;sourceAef&lt;/sourceId&gt; &lt;lifeTime unit="month" multiplier="10"/&gt; &lt;action&gt;specific&lt;/action&gt; &lt;/lifeTimeExternalForecastDataSets&gt;</pre>
App - Archive	FEWS-10484	FEWS-8462 archive: develop Admin console				
App - Archive	FEWS-12511	FEWS-12510 add metadatafile for WTI archive				
App - Admin Web User Interface, Plugin - Gui - Manual Forecast	FEWS-12222	Differences between OC(ManualForecastDialog) and Admin Interface (Schedule/Edit New Task)	A new option forecast length has been added to the schedule new task form in the Admin Interface.	The differences between the admin interface and the manual forecast dialog have been reviewed. A new option forecast length has been added to the schedule new task form in the Admin Interface.		no config required
App - Admin Web User Interface	FEWS-11134	Upload of Tasks via Admin interface should update new first due time.		When manually uploading a task that has a first due time in the past the first due time is set to next due time after "now"		