₩una								
X JIKA								
lew Features 2012.02 (Deltares - Project and Issues Management System)								
Displaying 125 issues at 02-11-2012 14:38. Component/s	Key	Release Note Text Description	Release Note Text	Confin Evennels	I Imana			
App - Admin Web User Interface	FEWS-8237	Release Note Text Description	Release Note Text	Config Example	Images			
App - Admin Web User Interface	FEWS-7866	Fix indentation of ScheduledTasks.xml	Fix indentation of ScheduledTasks.xml					
App - Admin Web Oser Interface	1 L W O-7000	included in collected log files	included in collected log files					
App - Admin Web User Interface	FEWS-7624	Workflow-FSS mappings included as csv in Collected Logs via Admin Interface. Only mappings from "local" MC are included.	Workflow-FSS mappings included as csv in Collected Logs via Admin Interface					
App - Admin Web User Interface	FEWS-7610		Sorting functionality on several columns in the Admin interfaces that was missing has been added.					
App - Configuration Manager Gui	FEWS-8256							
App - Configuration Manager Gui, System	FEWS-7867	New map layers imported by the ConfigManager are now stored compressed in the database. In case an uncompressed version of a config file was already present, no new version will be generated. This way the configuration in the local datastore can remain smaller. Map layer files that were already compressed as determined by their extension are not compressed twice. The ConfigManager decompresses the compressed files again when exporting them to the file system.	New Map layers imported by the ConfigManagers are now stored compressed in the database.					
App - Configuration Manager Gui	FEWS-7519	Firstly, export by the ConfigManager and OC will make that the timestamp of related shape files on disk produced by config exports will have a corresponding timestamp. Secondly, a popup will be presented when the ConfigManager detects that the timestamps of the shape files that should match are not equal before importing them. The user should start the OC standalone with a local config and open the spatial display which will regenerate the properly corresponding shape files, which can then be imported by the ConfigManager for upload. Within the standalone OC for all layers the sll/dbz files should be regenerated in case of mismatching timestamps.	ConfigManager from uploading inconsistent shp/sll or dbf/dbz files.					

App - Data Import Module (DIM)	FEWS-8000	Import type MeiClimateIndex	Import type MeiClimateIndex to import MEI	Example for reading from website:	
	I		climate indices from website or from same	<import></import>	
		MeiClimateIndex imports MEI climate	file in import folder	<pre><qeneral></qeneral></pre>	
		indices from website or from same file in		<pre><importtype>MeiClimateIndex</importtype></pre>	
	1	import folder.		Type>	
	I			<pre><serverurl>http://www.esrl.noaa.gov</serverurl></pre>	
		Data block with climate indices starts with		/psd/enso/mei/table.html <td></td>	
		this header line:		>	
		YEAR DECJAN JANFEB FEBMAR			
		MARAPR APRMAY MAYJUN JUNJUL		{code}	
		JULAUG AUGSEP SEPOCT OCTNOV		Example for reading from import	
		NOVDEC		folder:	
		The keywords in the header line are		<import></import>	
		separated with blanks		<pre><qeneral></qeneral></pre>	
		This line is followed by one or more data		<pre><importtype>MeiClimateIndex</importtype></pre>	
		lines, each with a year and 12 indices for 12		Type>	
		months.		<folder>\$IMPORT_FOLDER\$/mei/table.h</folder>	
				tml	
		Values in data line are separated with Tabs			
		and are stored as 01-01-		{code}	
		DECJAN, as 01-02- <year> for JANFEB, etc.</year>			
	1	Missing values should be specified with - 999.99.			
		999.99.			
		Data black as a barrier dad as disafellar ad			
		Data block may be preceded and/or followed			
		by any other lines.			
		The reader uses header line keywords to			
		identify the beginning of data block, and			
		reads the data lines as long as there is a			
		valid year identification at the beginning of			
		the line.			
Anna Data Isan ast Mandala (DIM)	EEWO 7004	MIQ in a set to a s	This is a set to see it as a set of the force and the		
App - Data Import Module (DIM)	FEWS-7994	MIS import type	This import type is created for forecasting		
App - Data Import Module (DIM)	FEWS-7994	This import type is created for forecasting	system in Colombia and imports scalar		
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App - Data Import Module (DIM)	FEWS-7994	This import type is created for forecasting system in Colombia and imports scalar timeseries. File example: <station>0011037030</station> <sens or="">0230<dateformat> YMMDD</dateformat> 20120620;21:00:00;2.71 20120620;23:00:00;15] <station>0011037030</station><sens or="">0231<dateformat> 20120620;23:00:00;15] <station>0011037030</station><sens or="">0231<dateformat> 20120620;21:00:00;270.7 20120620;21:58:00;278.4 From the header line the following information are read: location id specified by tag STATION parameter id specified by tag SENSOR format of the date string to be used in parsing the data, specified by tag DATEFORMAT There can be multiple blocks of data in each</dateformat></sens></dateformat></sens></sens>	system in Colombia and imports scalar timeseries.		

App - Data Import Module (DIM)		If this option is set to true, the files with unmappable timeseries will be moved to the failedFolder, and a warn message will be logged. Unmappable timeseries are the series whose header id's (parameter, location,) cannot be converted to internal id's. If the option "disableImportOnMissingUnitConversion" is set to true, then also series, whose external unit cannot be converted to internal, will be marked as unmappable.	TimeSeriesImport configuration option "failOnUnmappableTimeSeries"	TimeSeriesImportRun.xml: . <import> <general> <importtype>FI</importtype> <folder>\$IMPORT_TEST_FOLDER_HIST\$</folder> <failedfolder>\$IMPORT_FAILED_FOLDER \$</failedfolder> <failonunmappabletimeseries> <unitconversionsid>ImportUnitConversions</unitconversionsid> <disableimportonmissingunitconversion>true</disableimportonmissingunitconversion>true {code}</failonunmappabletimeseries></general></import>	
App - Forecasting Shell Server		Previously It was in the configuration possible to choose either a minimum forecast length or a minimum end day. Now both can be used at the same time. The forecast length will be choosen so that the minimum forecast length and the minimum end day are both complied.	It is now possible to combine a minimum forecastLength with a minimum end day		
App - Forecasting Shell Server, App - Master	FEWS-7492	Added support for JBoss 7 AS as JMS	Added support for JBoss 7 AS as JMS		
Controller Server, System - Synchronisation, Third Party		server.	server		
App - Launcher Gui	FEWS-8106		customizing the fews launcher application		
App - Master Controller Server App - Master Controller Server	FEWS-7979 FEWS-7963	The CompactCacheFiles WorkflowPlugin	The CompactCacheFiles WorkflowPlugin		
		has been extended so that it will remove expired external Warmstate files on an FSS machine. This behaviour is independent of the Rolling Barrel and uses the Warmstate cache.	has been extended so that it will remove expired external Warmstate files on an FSS machine.		
App - Master Controller Server	FEWS-7877	Added UNIQUE constraint to localIntId column of TimeSeries Table. Added tests to data_update scripts which test for any duplicate localIntId values. The scripts will not continue when duplicate localIntId values are present (will only occur when a backup was incorrectly restored); if this happens the customer will need to contact support.	Added UNIQUE constraint to localintid column of TimeSeries Table.		
App - Master Controller Server, Database	FEWS-7117				
App - Master Controller Server	FEWS-7077				
App - Operator Client Gui	FEWS-8184				
App - Operator Client Gui, System - Synchronisation	FEWS-8001				
App - Operator Client Gui	FEWS-7871				
App - Operator Client Gui	FEWS-7764				
App - Operator Client Gui		When a configuration file is changed that effects one of the open displays the FEWS explorer is reinitialized. In docking mode all the displays are started by default are reopened. All displays that are not open by default or when using a non docking environment are closed. There no longer display or panels left open that use obsolete configuration. On stand alone systems pressing F5 is still required to trigger the config change.	Displays are now always in synch with active configuration	no configuration required	
App - Operator Client Gui App - Operator Client Gui		Shortcuts in TimeSeriesDisplay have a new icon. A 'star' has been choosen since it is ussually used for 'favorites'	New shortcuts icon in TimeSeriesDisplay		
Configuration	FEWS-7801 FEWS-8112				
Database	FEWS-8112	1			

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Database	FEWS-7942	Significant speed-up of worst case rolling	Significant speed-up of worst case rolling	Global.properties	
		barrel. Logging is generated when rolling	barrel and timeout option on OC.	{code} rollingBarrelTimeoutSeconds=120	
		barrel is taking beyond the logging threshold		code	
		(30s on OC, 60s on MC).		{code}	
		A timeout of 2 minutes is set on the initial			
		OC RollingBarrel task that may take before			
		the synchronisation. This means no			
		RollingBarrel subtasks are initiated after this			
		timeout.			
		This can be overridden by the global property			
		rollingBarrelTimeoutSeconds (minimum of			
		10 seconds).			
Database	FEWS-7381				
Database	FEWS-6416				
Database	FEWS-6156	FEWS-6151 Wave spectra in database			loc 2 H _m /fd = cs. 52 m tor; 2 Quart VsDws (m2Hztdeg) H _m /20 = cs. 32 m;
	1 211 0 0100	2110 0101 Travo opociia iii adiabaoo			10
					507 307
					0.6 1.5%
					0/ File/ W
					200 90 5.65
					04
					23 24 24 24 24 24 24 24 24 24 24 24 24 24
		1			62 700
					01
					35 3 1 15 2
					0.0 1944 0.1 1997 0.1 1997
Module Adapter - All	FEWS-7844				
Module Adapter - Delft3D	FEWS-7765	The Delft3D adapter was made more robust	The Delft3D adapter was made more robust		
		in closing file handles in case of exceptions.	in closing file handles in case of exceptions		
		in oldering me manared in dade of exceptione.	In closing the manager in case of exceptions		
Module Adapter - SOBEK	FEWS-8087				
		0		no config	
Plugin - Gui - Correlation	FEWS-8271	Sort on whole number not on first value		no config	Travel Time ▼
					1,032:00 1,080:00
					1,536:00
					1,824:00
					144:00
					168:00 192:00
					2,088:00
					2,136:00
					2,184:00 2,280:00
					2,352:00
					2,352:00
					2,352:00
					816:00
					815:00 864:00 96:00
					864:00
Plugin - Gui - Correlation	FEWS-8270	Show all event items in scatterplot		no config	864:00
Plugin - Gui - Correlation Plugin - Gui - Correlation		Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation	FEWS-8269	Show all event items in scatterplot Changed format to include days		no config no config update	864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin -	FEWS-8269 FEWS-8252	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System	FEWS-8269 FEWS-8252	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System	FEWS-8269 FEWS-8252	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display	FEWS-8269 FEWS-8252 FEWS-8278	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display Plugin - Gui - Grid Display, Plugin - Module -	FEWS-8269 FEWS-8252	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display	FEWS-8269 FEWS-8252 FEWS-8278	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display Plugin - Gui - Grid Display, Plugin - Module -	FEWS-8269 FEWS-8252 FEWS-8278	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display Plugin - Gui - Grid Display, Plugin - Module -	FEWS-8269 FEWS-8252 FEWS-8278	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display Plugin - Gui - Grid Display, Plugin - Module -	FEWS-8269 FEWS-8252 FEWS-8278	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display Plugin - Gui - Grid Display, Plugin - Module -	FEWS-8269 FEWS-8252 FEWS-8278	Show all event items in scatterplot Changed format to include days			864:00
Plugin - Gui - Correlation Plugin - Gui - Forecast Manager, Plugin - Gui - Manual Forecast, Plugin - Gui - System Monitor, System Plugin - Gui - Grid Display Plugin - Gui - Grid Display, Plugin - Module -	FEWS-8269 FEWS-8252 FEWS-8278	Show all event items in scatterplot Changed format to include days			864:00
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Plugin - Gui - Manual Forecast	FEWS-7625 FEWS-7608	Only use full in very specific situations. Feature can only be enabled by manually adjusting task properties before uploading to admin interface The availability of the Macro option can be managed using configuration element <runningpredefined> in ManualForecastDisplay.xml Both SA and OC can have macro option. The functionality is accessible through Macro button. The possible configurations are: A) no <runningpredefined> configured with buttonVisible>to access to macro button B) <runningpredefined> configured with cbuttonVisible> macro button is always visible C) <runningpredefined> configured with cbuttonVisible>false C) <runningpredefined> configured with cbuttonVisible>false C) <runningpredefined> configured with cbuttonVisible>false C) <runningpredefined> configured with cbuttonVisible>false C) <runningpredefined> configured with cbuttonVisible>false C) <runningpredefined> configured with cbuttonVisible>fon access to macro button by default However, the user can occasionally show/hide macro button using F12 debug</runningpredefined></runningpredefined></runningpredefined></runningpredefined></br></runningpredefined></runningpredefined></runningpredefined></runningpredefined></runningpredefined>	The shortcut to open the Manual Forecast Display (CNTR-N) does not work when the Data Display or the Data Editor are in the foreground Configuration of Macro option in ManualForecastDisplay:	<pre>.<?xml version="1.0" encoding="UTF- 8"?> <taskproperties xmlns="http://www.wdelft.nl/fews" xmlns:xsi="http://www.w3.org/2001/X MLSchema-instance" xsi:schemalocation="http://www.wlde lft.nl/fews http://fews.wldelft.nl/schemas/vers ion1.0/taskProperties.xsd"> <userid>???/userid> <userid>??/userid> <userid>??/userid> <userid>??/userid> <userid>??/userid> <userid>??/userid> <userid>??/userid> <userid>??/userid> <userid>??/userid> <userid>?/userid>?/userid> <userid>?/userid>?/userid>?/userid> <userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid> <userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/userid>?/</userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></userid></taskproperties></pre>	
Plugin - Gui - Map, Plugin - Gui - Time Series	FEWS-7875				
Plugin - Gui - ScenarioEditor (NGMS)	FEWS-7896	This filtering functionality is activated by a selection of location ids in the taskProperties.	The General Adapter TimeSeriesImport can now internally filter on selected locations.		
Plugin - Gui - ScenarioEditor (NGMS)	FEWS-7223	The new functionality is described in internal memos.	An NGMS component for scenarios was extended.		
Plugin - Gui - ScenarioEditor (NGMS)	FEWS-7222		An NGMS component for scenarios was		
1	1	memos.	extended.		

Plugin - Gui - ScenarioEditor (NGMS)	FEWS-7221	The new functionality is described in internal	An NGMS component for scenarios was		
, ,		memos.	extended.		
Plugin - Gui - Schematic Status Display	FEWS-5232	Added possibility to open timeseriesdialog at a pre configured display in the shortcuts tree. In the scada configuration you must configure a display item instead of a variable. The display item must consist of a valid displayGroupName and displayName. It is optional to add an overrulingRelativeViewPeriod. Note the overrulingRelativeViewPeriod is overruled if a relativeViewPeriod has been configured for the display in the DisplayGroups file.	Possible to click to open to display plot in shortcut tree	<pre>(code)</pre>	
Plugin - Gui - Time Series, Plugin - Module - Data Export	FEWS-8158	In the time series dialog the time zone used is now visible in the table header. This time zone name is now also copied to the clipboard and written in a exported csv file. The timezone used is always the same as the time zone displayed after the system time in the explorer status bar	Timezone name in time series dialog	no configuration required	
Plugin - Gui - Time Series	FEWS-8120	areas using <area/> :	New configuration element 'defaultReferenceValue' to customize drawing difference areas in TimeSeriesDisplay	Example 1: the difference area will be drawn between H-MS-LUIK series and -4.0 {code:xml} {subplot> {carea>} {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceValue> {defaultReferenceId> {moduleInstanceId> {valueType> {parameterId> {doationIdH-MS-IUIK {doationIdH-MS-IUIK {doationIdH-MS-IUIK {doationIdH-MS-IUIK {doationId+MS-IuIK {doationId+MS-IuIK<	Continues to the continue of t
Pluqin - Gui - Time Series	FEWS-7874		PCA plot: switch content on x- and y-axis	series and -4.0 (code:xml) (subplot> <area/> defaultBeforenesUalue>	Secret Collection (9 to 5012 to 10 to 100 to 10
Plugin - Gui - Time Series	FEWS-7856	The Time Series Display has now an option	Or Piot. Switch content on X- and y-axis	{code:xml}	
		that you can show a location attribute (or any other valid description) in the header of the table.		<pre> 'generalDisplayConfig> <convertdatum>true</convertdatum> <headerline>External ID: @TAGGe</headerline> {code}</pre>	

Plugin - Gui - Time Series		This is a BUG FIX, since the functionality was broken in Stable2012.01. Problem description was: When I try to enter a time series using the display, and press OK or Toepassen in the pop-up box, nothing much happens (i.e. no time series is added in the plot box).	Entering values in Gate display (Fews RMM).		
Plugin - Gui - Time Series	FEWS-7412				
Plugin - Gui - Time Series	FEWS-7411	A new button is added to the toolbar of the TimeSeriesDialog. This button zooms out automaticly so that all data available in the database for a the timeseries shown in the display is shown in the graph.	New button added to the TimeSeriesDialog which zooms out so that all data is visible		
Plugin - Gui - Time Series	FEWS-6706	The ensemblePercentileExceedence plot (a statistical function in the timeseriesdialog) previously showed all data available in the plot. Now by default no data is shown. Only after selecting a timestep data will be shown for the selected timestep. It is possible to select more timesteps.	The ensemblePercentileExceedence plot now offers the option to select a timestep		
Plugin - Module - Data Export, Plugin -	FEWS-8076				
Module - Data Import	FEWS-7853	When Delft-FEWS exports data to netcdf	Ontion to configure metadata for expert to	{code:xml}	
Plugin - Module - Data Export	FEWS-7853		Option to configure metadata for export to netcdf files	<pre>(code:Xml) (code:Xml) cmetadata> ctitle>title cinstitution> institution c/institution> c/institution> csource>source chistory>Exported at time zero = %TIME_ZERO(yyyy/MM/dd HH:mm:ss z)% in module instance %MODULE_INSTANCE_ID% as part of workflow %WORKFLOW_NAME% by user %USER_ID%.c/history> creferences>references ccomment>The actual time of writing was %CURRENT_TIME(yyyy-MM-dd HH:mm:ss z)% csummary>A summary of the data ckeyword>keywordl ckeyword>keywordl ckeyword>keyword 3 customAttributes> cstring key="emptyAttribute" value=" "/> cint key=" custom2 " value="123456"/> cstring key="custom2" value="this is a custom attribute with 'quotes' in it."/> cstring key=" value="attribute with empty key specified is not written"/> cfloat key="just_another_float" value="3.5"/> cbool key="truth" value="true"/> c/customAttributes></pre>	
Plugin - Module - Data Export	FEWS-7468	_			
Plugin - Module - Data Import	FEWS-8227	As part of the Goulburn-Murray Water project (Victoriia, Australia) we need to create three new import routines. This is 3 of 3. Example of the data to be imported and a description of the format will be provided on or before the 05/11/12. Project number is 1207257. The budget for this activity is 3 days including testing and documentation. Please let me know if it will be more.			

Plugin - Module - Data Import	FEWS-8226	Theiss CSV format import routine for	Theiss CSV format import routine		
- 1-g		Goulburn-Murray Water project			
Plugin - Module - Data Import	FEWS-8225		Water Data Transfer Format (WDTF) import		
		routine for Goulburn-Murray Water project	routine		
Plugin - Module - Data Import	FEWS-7948	Replace current DataTransfer module with a	Implement PiService connection for		
Fragin - Module - Data Import	1 LW3-7940	PiService webservice	ControlMaestro		
Plugin - Module - Data Import	FEWS-7903	The street weeks the street was a street was	Commissions		
Plugin - Module - Data Import	FEWS-7870	Toevoegen mogelijkheid om	Uitbreiding umaquo qualifier mappings	volgt nog (in het Engels!!)	
		waardebepalingsmethode te mappen naar			
St. : M. I.I. B I.	EE.WO 0400	interne qualifier.		[
Plugin - Module - Data Import	FEWS-6199	It often happens that on an OPeNDAP server there is data available for multiple forecasts	In netcdf import from opendap added an option to import data for a given forecast	{code:xml} <timeseriesimportrun< td=""><td></td></timeseriesimportrun<>	
		with different forecast times. If the time	time	xmlns="http://www.wldelft.nl/fews"	
		periods of the forecasts overlap, then only		xmlns:xsi="http://www.w3.org/2001/X	
		one of the forecasts can be imported at a		MLSchema-instance" xsi:schemaLocation="http://www.wlde	
		time. If there is a separate file for each		lft.nl/fews	
		forecast, then this can be done by specifying		http://fews.wldelft.nl/schemas/vers	
		the URL of the required file in the import		<pre>ion1.0/timeSeriesImportRun.xsd"> <import></import></pre>	
		configuration. However, when such data is imported in an operational system, then the		<pre><general></general></pre>	
		import URL should be changed each time a		<pre><importtype>NETCDF-</importtype></pre>	
		new forecast becomes available on the		<pre>CF_GRID <serverurl>http://nomads.ncep.noaa.</serverurl></pre>	
		OPeNDAP server. If the URLs for the		gov:9090/dods/gfs/gfs%TIME_ZERO(yyy	
		different forecasts contain the forecast time		yMMdd)%/gfs_%TIME_ZERO(HH)%z <td></td>	
		and only differ in forecast time, then the tags		rUrl> <idmapid>NetcdfGridImportFromUrlWit</idmapid>	
		TIME_ZERO and/or		hTimeZeroTagsTest8IdMap	
		RELATIVE_TIME_IN_SECONDS can be used to solve this problem. The import will			
		replace any TIME_ZERO tags in the URL		<pre><timeseriesset> <moduleinstanceid>NetcdfGridImportF</moduleinstanceid></timeseriesset></pre>	
		with the time zero (forecast time) of the		<pre>romUrlWithTimeZeroTagsTest8</pre>	
		current import run. Any		InstanceId>	
		RELATIVE_TIME_IN_SECONDS tags in the		<valuetype>grid</valuetype>	
		URL will be replaced with a time that equals		<pre><parameterid>Pressure.msl</parameterid></pre>	
		(time0 + relativeTime), where time0 is the		<pre><locationid>netcdfGridLocation8</locationid></pre>	
		time zero (forecast time) of the current import run and relativeTime (specified in the		cationId>	
		tag) is a time relative to time0 in seconds		<pre><timeseriestype>external forecasting</timeseriestype></pre>	
		(can be negative). The time is formatted		<pre><timestep <="" pre="" unit="hour"></timestep></pre>	
		using the dateFormat that is specified in the		multiplier="3"/>	
		tag. This way different forecast data is		<pre><readwritemode>add originals</readwritemode></pre>	
		imported each time the import runs for a			
		different time zero.			
Plugin - Module - Error Correction	FEWS-7657	The level detectors is now protected against	The level detectors is now protected exciset		
Plugin - Module - General Adapter	FEWS-7816	The local datastore is now protected against badly written adapters that generate too	The local datastore is now protected against badly written adapters of the General		
		many error and warning messages that are	Adapter that generate too many log and		
		sent to the database via the General	warning messages that are sent to the		
		Adapter. If there are more than 100 error	database.		
		messages or more than 200 warnings or			
		more than 10000 info messages are			
		generated, a warning is issued about that			
		the adapter might be badly written. Also after 200 warnings and 100 error messages, the			
		messages will only log locally and no longer			
		to the database.			
Plugin - Module - Modifiers (TimeSeries)	FEWS-6709	Previously it was possible to connect a	It now possible to refer to multiple	{code:xml}	
		displaygroup to the topology by added a	displaygroups from the topology	<pre><nodes id="qualitycontrol" name="Quality Control"></nodes></pre>	
		nodeld to the displaygroup. Now it is		<pre><nodes id="QC_snotel" name="QC</pre></td><td></td></tr><tr><td></td><td></td><td>possible to connect 1 or more displaysgroup to a node</td><td></td><td>Snow"></nodes></pre>	
		in the topology by configuring 1 or more		<pre><node id="Preprocess_QC_SNWE" name="Preprocess SNWE"></node></pre>	
		displayGroupId in the topology.		-	
		1		<pre><workflowid>Preprocess_QC_SNWE</workflowid></pre>	
				kflowId>	
				<pre><displaygroupid>snowplots</displaygroupid></pre>	
			1		
1				<pre><displaygroupid>rainfaillplots</displaygroupid></pre>	
				playGroupId>	

Plugin - Module - Reports	FEW/S-8122	Reports: rowPerLocationHtmlTable	New HTML report type	The rowPerLocationHtmlTable can be	
Friagiri - Module - Reports	I L VV 3-0123	ixeports. Tow reflucation in this is a second	rowPerLocationHtmlTable	configured directly in <report></report>	
	1	This table is a generic table type and	TOWE ELLOCATION FULL TABLE	section, or in the <declarations></declarations>	
		This table is a generic table type and		section and reffered from the	
		contains for each configured location one		<report> section.</report>	
	I	row with several columns. The data			
		displayed in a particular column are result of		Example of the configuration in	
		the function that is configured for that		<report> section:</report>	
		column.		{code:xml}	
		For each column the following elements can		<report></report>	
		be configured:		<pre><locationsetid>AllLocations</locationsetid></pre>	
		- header : text to display in the column		onSetId>	
		header,		Onoccius	
		- format: format to use for this column. It		<pre><rowperlocationhtmltable< pre=""></rowperlocationhtmltable<></pre>	
		refers to the styles that are available in the		id="tableA"	
		html template file		tableStyle="tableStyle3" >	
		- width: width of the column			
		- function: function that			
		determines/computes the value displayed in		<column></column>	
				<header>Locatie id</header>	
	1	the column.		<pre><format>_data</format> <functions <="" functions="" idite(id)="" logatio<="" logationated="" logations="" td=""><td></td></functions></pre>	
	I	The functions		<pre><function>LOCATIONATTRIBUTE(id)</function></pre>	
	1	The functions		nction> 	
	1	The existing report functions, that are also		-/ COTUME!	
	1	used in html-templates, can be configured in		<column></column>	
		the columns.		<header>Locatie name</header>	
		For example MAXVALUE(variableId;		<format>_data</format>	
		numberFormat) or		<width>200</width>	
		LASTVALUETIME(variableId; dateFormat).		<function>LOCATIONATTRIBUTE(name)<!--</td--><td></td></function>	
				function>	
		Furthermore the following functions are			
		available:			
				<column></column>	
		LOCATIONATTRIBUTE(attribute;		<pre><header>Eenheid</header> <format> data</format></pre>	
Plugin - Module - Reports	FEWS-7968			Clorillat> data	
Plugin - Module - Reports		Exporting charts as SVG		This example creates two reports,	
ragiii illoudio riopolio		Exporting charte do C C			
1		To export a chart in SVG format specify this		one with png chart and one with svg	
		To export a chart in SVG format, specify this		one with png chart and one with svg chart:	
		format using configuration element		<pre>chart: {code:xml}</pre>	
		format using configuration element "fileFormat":		chart:	
		format using configuration element		<pre>chart: {code:xml} <report></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid></report></pre>	
		format using configuration element "fileFormat":		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart <="" id="chart" pre=""></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart <br="" id="chart">formatId="chartFormat1" width="500"</chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart <br="" id="chart">formatId="chartFormatl" width="500" height="300"></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml}</pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart <br="" id="chart">formatId="chartFormatl" width="500" height="300"></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} *report> <locationid>M-1000</locationid> <chart <br="" id="chart">formatId="chartFormatl" width="500" height="300"> *timeSeries lineStyle="solid;thick" axis="left" visibleInLegend="true" label="ECMWF">Qobserved></chart></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: (code:xml) report> <locationid>M-1000</locationid></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries> <timeseries <="" axis="right" linestyle="solid;thick" pre="" visibleinlegend="true"></timeseries></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: (code:xml) report> <locationid>M-1000</locationid></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Tobserved</timeseries>></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <filename>chart_A</filename></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Tobserved</timeseries>></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Observed</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Hobserved</timeseries> <filename>chart_A</filename> </chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <filename>chart_A</filename></chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormat1" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries>HobservedHobservedHobserved <pre> <filename>chart_A</filename> </pre></chart> ReportTemplate_Report_Ger man.html flowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.html</report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <pre>chart id="chart" formatId="chartFormatl" width="500" height="300"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="lift" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <filename>chart_A</filename> ReportTemplate_Report_Ger man.html <outputfilename>flowplot_A.html</outputfilename> <pre>tputFileName></pre></pre></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormat1" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries>HobservedHobservedHobserved <pre> <filename>chart_A</filename> </pre></chart> ReportTemplate_Report_Ger man.html flowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.htmlflowplot_A.html</report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <pre>chart id="chart" formatId="chartFormatl" width="500" height="300"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <filename>chart_A</filename> ReportTemplate_Report_Ger man.html <outputfilename>flowplot_A.html</outputfilename> </pre> <pre>tputFileName></pre></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> clocationId>M-1000 <chart formatid="chartFormat1" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Oobserved</timeseries>HobservedHobserved <filename>chart_A</filename> </chart> ReportTemplate_Report_Ger man.html <outputfilename>flowplot_A.html</outputfilename> </report> </pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <filename>chart_A</filename> </chart> <template>ReportTemplate_Report_Ger man.html</template> <outputfilename>flowplot_A.html</outputfilename> </report> <report> H-2091</report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		chart: {code:xml} <pre>creport> </pre> <pre> clocationId>M-1000 <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Qobserved</timeseries>Hobserved <fiineseries axis="right" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Hobserved <fiilename>chart_A </fiilename></fiineseries></chart> <template>ReportTemplate_Report_Ger man.html</template> <outputfilename>flowplot_A.html</outputfilename> <report> <locationid>H-2091</locationid> <chart <="" id="chart" li=""> </chart></report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		<pre>chart: {code:xml} <report> <locationid>M-1000</locationid> <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Hobserved</timeseries> <filename>chart_A</filename> </chart> <template>ReportTemplate_Report_Ger man.html</template> <outputfilename>flowplot_A.html</outputfilename> </report> <report> H-2091</report></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		chart: {code:xml} <pre>creport> clocationId>M-1000 <chart formatid="chartFormat1" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries>HobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobservedHobserved</chart></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		chart: {code:xml} <pre>creport> </pre> <pre> clocationId>M-1000</pre> <pre>chart id="chart" formatId="chartFormat1" width="500" height="300"> <timeseries axis="left" label="ECMWF" linestyle="solid;thick" visibleinlegend="true">Qobserved</timeseries>HobservedHobserved <pre> <filename>chart_A</filename> </pre> <pre> <template>ReportTemplate_Report_Ger man.html</template></pre> <pre> <nh.tml< pre=""> /coutputFileName> /cotyputFileName> /report> </nh.tml<></pre> <pre> <locationid>H-2091</locationid></pre> /locationId> <pre> <chart format1"="" height="350" id="chart" width="500"> <timeseries <="" axis="left" linestyle="solid;thick" pre="" visibleinlegend="true"></timeseries></chart></pre></pre>	
		format using configuration element "fileFormat" : <fileformat>svg</fileformat>		chart: {code:xml} <pre>creport> clocationId>M-1000 <chart formatid="chartFormatl" height="300" id="chart" width="500"> <timeseries axis="left" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Qobserved</timeseries> <timeseries axis="right" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Hobserved</timeseries> <fiineseries axis="right" label="ECMWF" linestyle="solid:thick" visibleinlegend="true">Hobserved <fiilename>chart_A </fiilename></fiineseries></chart> <template>ReportTemplate_Report_Ger man.html</template> <outputfilename>flowplot_A.html</outputfilename> <locationid>H-2091</locationid> <chart <="" formatid="chartFormatl" height="350" id="chart" linestyle="solid:thick" pre="" timeseries="" width="500"></chart></pre>	

Plugin - Module - Reports	EE\M/C 7440	Default or customized Bar Legend can be	Customized bar legend (painted legend) in	Legend as shown in legend_right.png	
Flugili - Module - Reports	FEW 5-7419	added to the spatial snapshot and to the	spatial snapshots and GridDisplay.	is created with the following	
		GridDisplay.	opanai snapsnots and GnuDisplay.	configuration:	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
		Use <legendstyle>bar</legendstyle> if a		{code:xml}	
				 darLegend>	
		default bar legend should be displayed. The		<pre><position>right</position></pre>	
		default legend is shown in		<width>35</width>	
		spatial_plot_1.png		<pre><length>300</length> <labelsinside>true</labelsinside></pre>	
		To customize the legend , use element		<pre></pre>	The comment of the
		<bar>egend>. The following legend</bar>		{code}	3)
		properties can be changed:		(5545)	3 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
		1. position: legend can be place on the right,		Legend as shown in legend_right.png	
		on the left, at the top or at the bottom.		is created with the following	
		Default is on the right.		configuration:	
		2. width: width of the bar in pixels. Default is		{code:xml}	
		40 pixels.		<pre> darLegend></pre>	the state of the s
		length: length of the bar in pixels. The		<pre><position>top</position> <width>35</width></pre>	
		defaults are: 400 for legend on the right/left,		<pre><labelsinside>true</labelsinside></pre>	
		for the legend at the top/bottom the length		<pre></pre>	
		equals the snapshot width.		{code}	
		4. labelsInside: if true, ticks and labels are		,	
		displayed inside the legend bar . The default			
		is outside.			1 Comments
		Pictures legend_right.png and			
		legend_top.png shows examples of			The same of the sa
		customized legend			The state of the s
					km 5 10 15 20 25 2012-07-10 04:00
		Note:			km 5 10 13 20 25 2012-07-10 04:00
		- <legendstyle>table</legendstyle> is not			
Plugin - Module - Reports	FEWS-7409	Report attribute "singleLocation":	Reports: configuration element	Configuration examples for <report< td=""><td></td></report<>	
		This option makes possible to create a	"singleLocation" to creating a separate	singleLocation="true">	
		separate report 'copy' per location, using one			
		report definition.	definition	1. This configuration creates two	
		If singleLocation=true, a separate report for		reports. Since no png filename is configured, chart000.png and	
		single location will be created.		chart001.png are created, according	
		Locations can be specified using		to this naming convention:	
		location(Set)Id or parentLocation(Set)Id . By		"chart" + seqence of a report in	
		default the locations from configured		the file + sequence of a chart in	
		TimeSeriesSets are used.		the report + copy nr. for that	
		The report may contain chart and/or		report	
		htmlTable definitions. Other definitions (such		The created html files are flowplot_M-1000.html and flowplot_H-	
		as avi) are not supported yet in combination		2091.html	
		with this singleLocation option		20711101112	
		That and angioecodatori option		{code:xml}	
				<pre><report singlelocation="true"></report></pre>	
				<locationid>M-1000</locationid>	
				<locationid>H-2091</locationid>	
				<pre><chart <="" formatid="chartFormat1" id="flow" pre="" width="500"></chart></pre>	
				formatid="chartFormati" width="500" height="300">	
				<pre><timeseries <="" linestyle="solid;thick" pre=""></timeseries></pre>	
				axis="left" visibleInLegend="true"	
				label="ECMWF">Qobserved <td></td>	
				>	
				<timeseries <="" linestyle="solid;thick" td=""><td></td></timeseries>	
				axis="right" visibleInLegend="true"	
				label="ECMWF">Hobserved <td></td>	
				<pre><template>template_flowplot.html</template></pre>	
				emplate>	
				<pre><outputfilename>flowplot.html</outputfilename></pre>	
				utFileName>	
	1	1			

Plugin - Module - Reports	FEWS-7408	In Reports and ChartLayer a fixed number of ticks can be configured using element <ticksnumber>. The tick values depend on the axis range, and can be optionally rounded using scaleUnit.</ticksnumber>	Configuration of fixed number of ticks in Reports and ChartLayer	<pre>{code:xml} <chartformat id="chartFormat1"> <includetime0>true</includetime0> <leftaxis> <min>100</min> <max>2000</max> <ticksnumber>5</ticksnumber> <scaleunit>50</scaleunit> <caption>Abfluss [m3/s]</caption> </leftaxis> <rightaxis> <rightaxis> <ickunit>100 <caption>Pegel [m]</caption> <format>##0.00</format> </ickunit></rightaxis> <relativewholeperiod end="10" start="-2" unit="day"></relativewholeperiod> </rightaxis></chartformat> {code}</pre>	
Plugin - Module - Reports	FEWS-7407	Tick label font can be configured in Reports and in ChartLayer . Each axis - horizonal, left and right - may have an own font configuration	Configuration of axis tick label font in Reports and ChartLayer	<pre>{code:xml} <chartformat id="chartFormat1"> <includetime0>true</includetime0> <leftaxis> <caption>Abfluss [m3/s]</caption> </leftaxis> <thresholdaxisscaling>all thresholds</thresholdaxisscaling> <bottomaxis> <format>d.M.\nE</format>\ <tickunit unit="day"></tickunit> <minortickunit multiplier="6" unit="hour"></minortickunit> <centerlabelsbetweenticks>true</centerlabelsbetweenticks> </bottomaxis> <relativewholeperiod end="10" start="-2" unit="day"></relativewholeperiod> <!--/chartFormat--> {code}</chartformat></pre>	
Plugin - Module - Secondary Validation, Plugin - Module - Transformation	FEWS-7418		The search mechanism used in interpolation and spatial homogenity test has been extended with options quadrant search, backup points and correction for elevation.		

Plugin - Module - Secondary Validation	<u>FEWS-7186</u>	Spatial HomogeneityCheck secondary validation that flags timeseries doubtful or unreliable by comparison with an estimation based on observations from neighbouring locations. Neighbouring locations can be selected with a search radius and a number of points. There is also functionality for backuppoints whenever the reference points contain missings. The check can either absolute or relative. The absolute check will update the reliability flags of timeseries when the absolute difference between observed and estimated exceeds a threshold. The relative check will update the reliability flags when the value differs more than the specified factor times the standard deviation.	Spatial HomogeneityCheck secondary validation that flags timeseries doubtful or unreliable by comparison with observations from neighbouring locations.	<pre>{code:xml} <spatialhomogeneitycheck id="spatialHomogeneityCheck_locatio nSet"> <inputvariableid>locationSet1 <outputvariableid>locationSet2 <sparchradius>10000 <numberofpoints>4</numberofpoints> <distancepower>2</distancepower> <threshold> <absolute>5</absolute> <outputflagsunreliable< <logteventcode="" outputflags="">SecondaryValidation.s patialHomogeneityCheck <logteventcode>SecondaryValidation.s patialHomogeneityCheck</logteventcode> </outputflagsunreliable<></threshold> <chreshold> <chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></chreshold></sparchradius></outputvariableid></inputvariableid></spatialhomogeneitycheck></pre>	
Plugin - Module - Secondary Validation	FFWS-7172	MannKendallCheck secondary validation	MannKendallCheck that performs secondary		
		that flags timeseries doubtful or unreliable whenever either a trend is detected or the maximum drift is exceeded. Drift is defined as the slope times the duration of the relative view period. Functions only for more than 10 non missings.	validation whenever a trend is detected.	<pre> csecondaryValidation xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.wlo.org/2001/X MLSchema-instance" xsi:schemaLocation="http://www.wlde lft.nl/fews http://fews.wldelft.nl/schemas/vers ionl.0/secondaryValidation.xsd"> <mannkendallcheck id="MannKendallCheckl"> <variable> <timeseriesset> <moduleinstanceid>MannKendallCheckT est</moduleinstanceid>Mangyalidation.xsd"> <manskendallcheckl"> <variable> <timeseriesset> <moduleinstanceid>Mangyalidation.yolocationId> <manskendallcheckt est<="" moduleinstanceid=""> cvalueType>scalar sparameterId>H.meting <locationid>Nue_0015_01_01</locationid> <manskeriestype>simulated forecasting <timestep multiplier="1" unit="hour"></timestep> <relativeviewperiod end="0" start="100" unit="day"></relativeviewperiod> <manskeriesset> </manskeriesset></manskeriestype></manskendallcheckt></moduleinstanceid></timeseriesset></variable> <checkrelativeperiod end="0" start="100" unit="day"></checkrelativeperiod> <threshold> <testtrend>two-tailed</testtrend> <confidencecoefficient>0.01</confidencecoefficient>0.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.010.</threshold></manskendallcheckl"></timeseriesset></variable></mannkendallcheck></pre>	
Plugin - Module - Transformation	FEWS-8228		Still to add	CloqEvencCode>Secondalyvalidacion.M	
Plugin - Module - Transformation		Implementation chosen is different. At the beginning of a transformation it is now possible to choose a runperiod or a fixed start daymonth and a fixed end daymonth			
Plugin - Module - Transformation	FEWS-7962				

formation FEWS-7938 A new transformation is added to FEWS. New transformation which selects a {code:xml}	
Total distribution of the management of the mana	
This transformation which is located in the datasource based on an attribute of the <pre><?xml version="1.0" encoding="UTF-</pre></pre>	
merge-group and is named output location. 8"?>	
colortDetective allows to colort a	
xmins.xsi="hccp.//www.w3.org/2001/A	
datasource MLSchema-instance" based on an attribute of the outputlocation. xmlns="http://www.wldelft.nl/fews"	
The attribute should be equal to the spin to the should be equal to the spin to the should be equal to the spin to	
variabled of off of the configured input	
source. The input source which has a	
matching variabled will be selected.	
<pre><variableid>sourcel</variableid></pre>	
<timeseriesset></timeseriesset>	
<moduleinstanceid>SelectLocationFun</moduleinstanceid>	
ctionTest	
<valuetype>scalar</valuetype>	
<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	
<locationid>locationId/locationId></locationid>	
<pre><timeseriestype>external</timeseriestype></pre>	
historical	
<pre><timestep unit="day"></timestep></pre>	
<pre><relativeviewperiod <="" pre="" unit="day"></relativeviewperiod></pre>	
start="0" end="30"/>	
<pre><readwritemode>editing visible to</readwritemode></pre>	
all future task	
runs	
<pre><variable> <variableid>source2</variableid></variable></pre>	
<pre><variablela>source2</variablela> <imeseriesset></imeseriesset></pre>	
<pre></pre>	
<pre></pre>	
<pre></pre> <pre><</pre>	
<pre><pre><pre></pre></pre></pre> <pre><pre><pre><pre><pre>parameterId></pre></pre></pre></pre></pre>	
<pre></pre> <pre><</pre>	
formation FEWS-7893 Transformation "GenerationEnsemble", New transformation "GenerationEnsemble", {code:xml}	
function "selectWithSeries" function "selectWithSeries" <variable></variable>	
<pre><variableid>inputEnsembles</variableid></pre>	
This transformation function generates a	
new ensemble by making the sub-selection <pre><moduleinstanceid>InputModuleInstan</moduleinstanceid></pre>	
of members. For the sub-selection the scalar ce	
timeseries are used, that can be configure <valuetype>scalar</valuetype>	
with "selectVariable" cparameterId> cparameterId>	
<pre>with "selectVariable". <pre></pre></pre>	
with "selectVariable". <pre></pre>	
<pre>with "selectVariable".</pre>	
with "selectVariable". SparameterId>Q.m	
with "selectVariable". <pre></pre>	
with "selectVariable". SparameterId>Q.m	
with "selectVariable". <pre></pre>	
with "selectVariable". SparameterId>(.mc/parameterId>)	
with "selectVariable". SparameterId>(.mc/parameterId> < locationId>H-2001 Typically, this function is used to reduce ensemble members using climate indices, when climate index series is used as "selectVariable". Typically, this function is used to reduce ensemble members using climate indices, when climate index series is used as "selectVariable". The function requirements are:	
with "selectVariable". SelectVariable	
with "selectVariable". SparameterId>Q.m	
with "selectVariable". SparameterId>(.nex/parameterId>)	
with "selectVariable". SelectVariable	
with "selectVariable". SparameterId>(.mc/parameterId>)	
with "selectVariable". SparameterId>(.me/parameterId>)	
with "selectVariable". Typically, this function is used to reduce ensemble members using climate indices, when climate index series is used as "selectVariable". The function requirements are:	
with "selectVariable". SparameterId>0.me/parameterId>	
with "selectVariable". Typically, this function is used to reduce ensemble members using climate indices, when climate index series is used as "selectVariable". The function requirements are: - in input ensemble, the years should be used as ensemble member id's c.q. member indices - the timeseries, specified with selectVariable, should be scalar timeseries - in output ensemble, only EnsembleID should be configured, since the output members are determined automatically with "selectVariable". <pre></pre>	
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		monthlyTimeStep, daysOfMonth and		<pre><transformationmodule <="" pre="" version="1.0"></transformationmodule></pre>	
		SimpleEquidistantTimeStep of one day in		xmlns:xsi="http://www.w3.org/2001/X	
		length.		MLSchema-instance"	
				xmlns="http://www.wldelft.nl/fews"	
				xsi:schemaLocation="http://www.wlde	
				lft.nl/fews	
				http://fews.wldelft.nl/schemas/vers	
				ion1.0/transformationModule.xsd">	
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				<moduleinstanceid>StatisticsPeriodi</moduleinstanceid>	
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	1			<pre><timeseriestype>external bistoricals/bimeSeriesType></timeseriestype></pre>	
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Plugin - Module - Transformation	FEWS-7413			,	
Plugin - Module - Transformation Plugin - Module - Transformation		The jackknife method is an alternative	PCA Function in the transformation module	{code:xml}	
		The jackknife method is an alternative method for calculating the rmse in the pca-	PCA Function in the transformation module and in statistical functions library is	//config example	
				//config example timeseriesdialog.xml	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml 	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction< td=""><td></td></statisticalfunction<>	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction function="principalcomponentanalysi</statisticalfunction 	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction function="principalcomponentanalysi sJackKnife"></statisticalfunction 	
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	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first year is left out of the dataset. With this equation an estimate is made for that year by using the observed data for that year. Same procedure is done for the other years. At the end of the procedure for all years an estimate is available. The rmse is calculated from these estimates. The equation which will be used as the best equation is the one	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction> <statisticalfunction function="principalcomponentanalysi sJackKnife"> <observedparameterid>SNWE <simulatedparameterid>SWE //config example transformation <transformation id="PCAFunction"> <regression> <principalcomponentanalysis> <historicalobserved> <variableid>historicalInputA </variableid></historicalobserved> <historicalobserved> <his< td=""><td></td></his<></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></principalcomponentanalysis></regression></transformation></simulatedparameterid></observedparameterid></statisticalfunction></statisticalfunction>	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first year is left out of the dataset. With this equation an estimate is made for that year by using the observed data for that year. Same procedure is done for the other years. At the end of the procedure for all years an estimate is available. The rmse is calculated from these estimates. The equation which will be used as the best equation is the one	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction function="principalcomponentanalysi sJackKnife"> <observedparameterid>SNNE <simulatedparameterid>SWE </simulatedparameterid></observedparameterid></statisticalfunction> //config example transformation <transformation id="PCAFunction"> <regression> oprincipalComponentAnalysis> <historicalobserved> <historicalsimulated> <variableid>simulatedHistorical</variableid> </historicalsimulated></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></historicalobserved></regression></transformation>	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first year is left out of the dataset. With this equation an estimate is made for that year by using the observed data for that year. Same procedure is done for the other years. At the end of the procedure for all years an estimate is available. The rmse is calculated from these estimates. The equation which will be used as the best equation is the one	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction function="principalcomponentanalysi sJackKnife" statisticalfunction=""> <observedparameterid>SNWE <simulatedparameterid>SWE </simulatedparameterid></observedparameterid></statisticalfunction> //config example transformation <transformation id="PCAFunction"> <regression> principalComponentAnalysis> <historicalobserved> <variableid>historicalInputA </variableid></historicalobserved> <variableid>historicalInputB </variableid></regression></transformation>	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first year is left out of the dataset. With this equation an estimate is made for that year by using the observed data for that year. Same procedure is done for the other years. At the end of the procedure for all years an estimate is available. The rmse is calculated from these estimates. The equation which will be used as the best equation is the one	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction function="principalcomponentanalysi sJackKnife" statisticalfunction=""> <observedparameterid>SNWE <simulatedparameterid>SWE </simulatedparameterid></observedparameterid></statisticalfunction> //config example transformation <transformation id="PCAFunction"> <regression> orprincipalComponentAnalysis> <historicalobserved> <variableid>historicalInputA </variableid></historicalobserved> <historicalobserved> <historicalobserved> <historicalobserved> <historicalsimulated <="" ariableid="">simulatedHistoricalInputB </historicalsimulated> <variableid>simulatedHistorical <td></td></variableid></historicalobserved></historicalobserved></historicalobserved></regression></transformation>	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first year is left out of the dataset. With this equation an estimate is made for that year by using the observed data for that year. Same procedure is done for the other years. At the end of the procedure for all years an estimate is available. The rmse is calculated from these estimates. The equation which will be used as the best equation is the one	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction> <statisticalfunction function="principalcomponentanalysisJackKnife"> <observedparameterid>SNWE <simulatedparameterid>SWE //config example transformation <transformation id="PCAFunction"> <regression> <pri><principalcomponentanalysis> <historicalobserved> <variableid>historicalInputA </variableid></historicalobserved> <variableid>historicalInputB <historicalobserved> <historicalobserved> <historicalobserved> <historicalsimulated> <variableid>simulatedHistorical</variableid> <pre> </pre> <pre> </pre> <pre> </pre> <pre> </pre> <pre> </pre> <pre> </pre> <pre> <pre> </pre> <pre> <p< td=""><td></td></p<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></historicalsimulated></historicalobserved></historicalobserved></historicalobserved></variableid></principalcomponentanalysis></pri></regression></transformation></simulatedparameterid></observedparameterid></statisticalfunction></statisticalfunction>	
	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first year is left out of the dataset. With this equation an estimate is made for that year by using the observed data for that year. Same procedure is done for the other years. At the end of the procedure for all years an estimate is available. The rmse is calculated from these estimates. The equation which will be used as the best equation is the one	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction function="principalcomponentanalysi sJackKnife" statisticalfunction=""> <observedparameterid>SNWE <simulatedparameterid>SWE </simulatedparameterid></observedparameterid></statisticalfunction> //config example transformation <transformation id="PCAFunction"> <regression> optincipalComponentAnalysis> <historicalobserved> <variableid>historicalInputA </variableid></historicalobserved> <variableid>historicalInputB <variableid>simulatedHistorical Simulated> Simulated> Simulated> Simulated> Simulated> CurrentObservedA currentObservedB <td></td></variableid></variableid></regression></transformation>	
Plugin - Module - Transformation	FEWS-6381	method for calculating the rmse in the pca- analysis function. When the pca is applied to a set of data for lets say 10 years than the calculation method will be as follows. First the best equation is found when the first year is left out of the dataset. With this equation an estimate is made for that year by using the observed data for that year. Same procedure is done for the other years. At the end of the procedure for all years an estimate is available. The rmse is calculated from these estimates. The equation which will be used as the best equation is the one which found by using all years.	and in statistical functions library is extendend with the JackKnife method	//config example timeseriesdialog.xml <statisticalfunction> <statisticalfunction function="principalcomponentanalysisJackKnife"> <observedparameterid>SNWE <simulatedparameterid>SWE //config example transformation <transformation id="PCAFunction"> <regression> <pri><principalcomponentanalysis> <historicalobserved> <variableid>historicalInputA </variableid></historicalobserved> <variableid>historicalInputB <historicalobserved> <historicalobserved> <historicalobserved> <historicalsimulated> <variableid>simulatedHistorical</variableid> <pre> </pre> <pre> </pre> <pre> </pre> <pre> </pre> <pre> </pre> <pre> </pre> <pre> <pre> </pre> <pre> <p< td=""><td></td></p<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></historicalsimulated></historicalobserved></historicalobserved></historicalobserved></variableid></principalcomponentanalysis></pri></regression></transformation></simulatedparameterid></observedparameterid></statisticalfunction></statisticalfunction>	

System - Workflow System - Workflow		Every loop iteration (ensemble member) should write to output time series not used by other loop iterations at the same time. Prevent loop iterations overwrite each other results. This gives unpredictable result in multi-treading mode. Not ensemble related transformations should be moved outside the loop. Sometimes a module in FEWS which should run quickly can "hang", e.g. an Import is waiting for some server, blocking the Forecasting Shell from other activities. Whereas the TaskChaser can be used to terminate "hanging" tasks using a global timeout setting, this new optional timeout is configurable in the workflowDescriptor and can be used to terminate a specific FSS task whenever the timeout is exceeded	Ensemble loop configuration errors detection The Forecasting Shell has been extended to automatically terminate a taskrun when a timeout that was specified in the workflowDescriptor has been exceeded.	Configuration should be fixed by user when this error appearss The following section added to the workflowDescriptor enforces that the Forecasting shell taskrun times out after five minutes and is automatically terminated when the timeout is exceeded. This functionality allows for much finergrained control over termination of tasks in the Forecasting Shell than the MC Chaser, since the chaser has one timeout for all available tasks. {code:xml} <ttmeout multiplier="5" unit="minute"></ttmeout> {code}	
Utilities Utilities	FEWS-7678 FEWS-7623	Non integer ensemble ids are supported since 2012.01. By default the non integer ensemble ids are replaced by an integer when exported from the general adapter.	Support for ensemble ids (non integer index) in pi xml.	<pre><?xml version="1.0" encoding="UTF- 8"?> </pre>	

		Ten d	T		
	FEWS-8229		Customised web report for Goulburn Murray		
		implemented	Water Project, Australia		
	FEWS-8163	A new flag is added to FEWS. The	It is now possible to disable stations for	{code:xml}	
		persistent unreliable flag. When the data	certain period of time	<pre><?xml version="1.0" encoding="UTF-</pre></pre>	
		delivered by a station is suspected to be		8"?>	
		unreliable from a certain point in time the		<secondaryvalidation< td=""><td></td></secondaryvalidation<>	
				xmlns="http://www.wldelft.nl/fews"	
		value can be set to persistent unreliable		xmlns:xsi="http://www.w3.org/2001/X	
		from the TimeSeriesDialog. Second step in		MLSchema-instance"	
		this procedure is to run the secondary		xsi:schemaLocation="http://www.wlde	
		validation module FlagPersistencyCheck.		lft.nl/fews	
				file:///D:/fews trunk/xml-	
		This module will set all values from this		schemas/secondaryValidation.xsd">	
		station to unreliable from the time where the		variableDefinitions can be</td <td></td>	
		flag was set. The values will be set to		global or nested>	
		unreliable until the time at which a manual		<pre><variabledefinition></variabledefinition></pre>	
		reliable is set for this station.			
		reliable is set for this station.		<pre><variableid>flagPersistencyInputl</variableid></pre>	
				variableId>	
	l			<timeseriesset></timeseriesset>	
				<moduleinstanceid>FlagPersistencyCh</moduleinstanceid>	
	1	1		eckTest	
				<valuetype>scalar</valuetype>	
				<pre><parameterid>H.obs</parameterid></pre>	
				<pre><locationid>location1</locationid></pre>	
	1	1		<timeseriestype>external</timeseriestype>	
	1	1		historical	
				<timestep <="" td="" unit="hour"><td></td></timestep>	
				multiplier="1"/>	
				<readwritemode>read complete</readwritemode>	
				forecast	
				<flagpersistencycheck< td=""><td></td></flagpersistencycheck<>	
				id="FlagPersistencyCheck">	
				<pre><input/><variableid>flagPersistencyI</variableid></pre>	
				nput1	
				<pre><loglevel>WARN</loglevel></pre>	
				<pre><logeventcode>SecondaryValidation.f</logeventcode></pre>	
				lagPersistencv	
	EEW/C 0102	When importing a NetCDF-CF file that	Use of standard name mapping instead	{code:xml}	
	FEW 3-6103			<import></import>	
		contains variable standard names can be	parameter id map (NetCDF-CF)	<pre><qeneral></qeneral></pre>	
		mapped using the standard name		<pre><importtype>???</importtype></pre>	
		configured in the parameters.xml.			
				<pre><folder>\$REGIONHOME\$/Import/MeteoSa</folder></pre>	
				t	
				<pre><usestandardname>true</usestandardname></pre>	
				ame>	
	1	1		<maximumsnapdistance>100<td></td></maximumsnapdistance>	
				apDistance>	
	1	1			
				{code}	
	FEWS-8102	When a import parser provides the location	TimeSeriesImport. Allow locations mapping	{code:xml}	
		coordinates the locations can now be	based on coordinates instead of location id	<import></import>	
	1	mapped based on x y coordinates.	Table on coordinates include or location in	<general></general>	
	1			<pre><importtype>???</importtype></pre>	
	1	For now only the Swan spectrum parser		<folder>\$REGIONHOME\$/Import/MeteoSa</folder>	
	1	provided coordinates. Custom time series		t	
]	parsers can also provide the coordinates by		<pre><usestandardname>true</usestandardname></pre>	
		filling in the the TimeSeriesHeader object		ame>	
		3 - 2		<pre><maximumsnapdistance>100</maximumsnapdistance></pre>	
	1	1		apDistance>	
1	1	1			
]	1		{code}	
				[code]	
	FFW0 000F				
		I and the second	1		
	FEWS-8095			l l	
	FEWS-8095 FEWS-8046	The statistical serial functions now also take	Extension of the statistical serial functions		
			Extension of the statistical serial functions		
		The statistical serial functions now also take			
		The statistical serial functions now also take into account the aggregationPeriod is this			

FEWS-8036	Import type TeleconnClimateIndex	Import type TeleconnClimateIndex to import	Example for import type	
		climate indices from website or from same	TeleconnClimateIndex.	
	TeleconnClimateIndex imports climate	file in import folder	Note that you should also configure	
	indices from website or from same file in	lile in import ioider	one or more external parameter id's	
			in the id-mapping.	
	import folder.			
	Teleconn tabel contains several indices. The		Reading from website:	
	names (ld's) of the indices are specified in		{code:xml}	
	the header line.		<import></import>	
	The Id's are: NAO, EA, WP, EP/NP, PNA,		<general></general>	
	EA/WR, SCA, TNH, POL, PT, Expl. Var.		<pre><importtype>TeleconnClimateIndex</importtype></pre>	
			mportType>	
	Note that the last id is "Expl. Var."		<pre><serverurl>ftp://ftp.cpc.ncep.noaa.</serverurl></pre>	
	Use these Id's in Id-mapping as external		<pre>gov/wd52dg/data/indices/tele_index.</pre>	
	parameter ld's, to specify which indices		nh	
	should be imported.			
	· ·		{code}	
	Data lines has fixed format. The columns			
	widths are		Reading from import folder:	
			{code:xml}	
	column 1: 4		<import></import>	
	column 2: 4		<general></general>	
	column 3 through 12: 6		<pre><importtype>TeleconnClimateIndex</importtype></pre>	
	column 13: 7		mportType>	
			<folder>\$IMPORT_FOLDER\$/teleconn<td></td></folder>	
	Data line with '*' marks the end of data		older>	
	block.		{code}	
	File example:			
	STANDARDIZED NORTHERN			
	HEMISPHERE TELECONNECTION			
	INDICES (1981-2010 Clim)			
	114DIOLO (1301-2010 CIIIII)			
	column 1: Year (yy)			
	column 2: Month (mm)			
FFWS-8035	Import type NinoClimateIndex and	Import type NinoClimateIndex and	Example for import type	
FEWS-8035	Import type NinoClimateIndex and	Import type NinoClimateIndex and	Example for import type NinoClimateIndex.	
FEWS-8035	Import type NinoClimateIndex and TniClimateIndex	TniClimateIndex to import climate indices		
FEWS-8035		TniClimateIndex to import climate indices from website or from same file in import		
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices	NinoClimateIndex.	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website:	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <csrverurl>http://www.esrl.noaa.gov</csrverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <csrverurl>http://www.esrl.noaa.gov</csrverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!--</th--><th></th></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data</serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- {code}</th--><th></th></serverurl></importtype></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- {code}</th--><th></th></serverurl></importtype></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder:</serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <import> <general></general></import></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <import></import></serverurl></importtype></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <importtype>NinoClimateIndex</importtype> <import> <general> <importtype>NinoClimateIndex</importtype></general></import></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype></general></import> <importtype>NinoClimateIndex<th></th></importtype></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <importtype>NinoClimateIndex</importtype> <import> <general> <importtype>NinoClimateIndex</importtype></general></import></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <importtype>NinoClimateIndex <folder> \$importType>NinoClimateIndex</folder></importtype> <folder>\$IMPORT_FOLDER\$/nino</folder></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <fender> <folder>\$IMPORT_FOLDER\$/nino</folder></fender></general></import></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <importtype>NinoClimateIndex <folder> \$importType>NinoClimateIndex</folder></importtype> <folder>\$IMPORT_FOLDER\$/nino</folder></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <importtype>NinoClimateIndex <folder> \$importType>NinoClimateIndex</folder></importtype> <folder>\$IMPORT_FOLDER\$/nino</folder></serverurl></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex <serverurl>http://www.esrl.noaa.gov /psd/data/correlation/nina34.data<!-- serverUrl--> {code} Reading from import folder: {code:xml} <importtype>NinoClimateIndex <general> <importtype>NinoClimateIndex <folder> \$importType>NinoClimateIndex <folder> \$importType>NinoClimateIndex <folder> \$importType>NinoClimateIndex <folder> \$importType>NinoClimateIndex {folder>\$importType>NinoClimateIndex {folder>\$importType>NinoClimateIndex<td></td></folder></folder></folder></folder></importtype></general></importtype></serverurl></importtype></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <forcerly correlation="" data="" nina34.data<="" psd="" serverurl="" thtp:="" www.esrl.noaa.gov=""> {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <forcerly <importtype="" folder:="" the="">NinoClimateIndex <folder> \$IMPORT_FOLDER\$/nino</folder> {code} ThiClimateIndex can be configured</forcerly></folder></general></import></forcerly></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <forcerly correlation="" data="" nina34.data<="" psd="" serverurl="" thtp:="" www.esrl.noaa.gov=""> {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <forcerly <importtype="" folder:="" the="">NinoClimateIndex <folder> \$IMPORT_FOLDER\$/nino</folder> {code} ThiClimateIndex can be configured</forcerly></folder></general></import></forcerly></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <forcerly correlation="" data="" nina34.data<="" psd="" serverurl="" thtp:="" www.esrl.noaa.gov=""> {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <forcerly <importtype="" folder:="" the="">NinoClimateIndex <folder> \$IMPORT_FOLDER\$/nino</folder> {code} ThiClimateIndex can be configured</forcerly></folder></general></import></forcerly></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <forcerly correlation="" data="" nina34.data<="" psd="" serverurl="" thtp:="" www.esrl.noaa.gov=""> {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <forcerly <importtype="" folder:="" the="">NinoClimateIndex <folder> \$IMPORT_FOLDER\$/nino</folder> {code} ThiClimateIndex can be configured</forcerly></folder></general></import></forcerly></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import folder	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <forcerly correlation="" data="" nina34.data<="" psd="" serverurl="" thtp:="" www.esrl.noaa.gov=""> {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <forcerly <importtype="" folder:="" the="">NinoClimateIndex <folder> \$IMPORT_FOLDER\$/nino</folder> {code} ThiClimateIndex can be configured</forcerly></folder></general></import></forcerly></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import folder	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> cserverUrl>http://www.esrl.noaa.gov/psd/data/correlation/nina34.data {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <iporttype>NinoClimateIndex</iporttype> <folder> ;importType>NinoClimateIndex <folder> ;importType> <folder> ;importType> <folder> ;importType> <folder> ;infolder> ;importType> <folder> ;infolder> ;infolder</folder></folder></folder></folder></folder></folder></folder></general></import></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import folder	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> cserverUrl>http://www.esrl.noaa.gov/psd/data/correlation/nina34.data {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <iporttype>NinoClimateIndex</iporttype> <folder> ;importType>NinoClimateIndex <folder> ;importType> <folder> ;importType> <folder> ;importType> <folder> ;infolder> ;importType> <folder> ;infolder> ;infolder</folder></folder></folder></folder></folder></folder></folder></general></import></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import folder	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> cserverUrl>http://www.esrl.noaa.gov/psd/data/correlation/nina34.data {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <iporttype>NinoClimateIndex</iporttype> <folder> ;importType>NinoClimateIndex <folder> ;importType> <folder> ;importType> <folder> ;importType> <folder> ;infolder> ;importType> <folder> ;infolder> ;infolder</folder></folder></folder></folder></folder></folder></folder></general></import></general></import>	
FEWS-8035	TniClimateIndex	TniClimateIndex to import climate indices from website or from same file in import folder	NinoClimateIndex. Reading from website: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> cserverUrl>http://www.esrl.noaa.gov/psd/data/correlation/nina34.data {code} Reading from import folder: {code:xml} <import> <general> <importtype>NinoClimateIndex</importtype> <folder> <iporttype>NinoClimateIndex</iporttype> <folder> ;importType>NinoClimateIndex <folder> ;importType> <folder> ;importType> <folder> ;importType> <folder> ;infolder> ;importType> <folder> ;infolder> ;infolder</folder></folder></folder></folder></folder></folder></folder></general></import></general></import>	

FEWS-8034	Import type QboClimateIndex and	Import type QboClimateIndex and	Examples for import type	
	SoiClimateIndex	SoiClimateIndex to import climate indices	QboClimateIndex.	
		from website or from same file in import	Note that you should also configure	
		folder	one or more external parameter id's	
		loider	ORIGINAL, ANOMALY, STANDARDIZED in	
	QboClimateIndex and SoiClimateIndex		the id-mapping.	
	import climate indices from website or from			
	same file in import folder.		Reading from website:	
	The data format is the same for both import		{code:xml}	
	types, except for the column width of the		<import></import>	
	month values.		<general></general>	
	month values.		<pre><importtype>QboClimateIndex</importtype></pre>	
			Type>	
	There are one, two or three data blocks in		<pre><serverurl>http://www.cpc.ncep.noaa</serverurl></pre>	
	the file: ORIGINAL, ANOMALY,		.gov/data/indices/qbo.u30.index <th></th>	
	STANDARDIZED .		rverUrl>	
	These keywords should be configured as			
	external parameter id, to specify which		{code}	
	block(s) should be read.			
	block(3) should be read.		Reading from import folder:	
			{code:xml}	
	Each data block starts with this header line:		<import></import>	
	YEAR JAN FEB MAR APR MAY JUN JUL		<general></general>	
	AUG SEP OCT NOV DEC		<pre><importtype>QboClimateIndex</importtype></pre>	
			Type>	
	The keywords in the header line are		<folder>\$IMPORT_FOLDER\$/qbo/qbo.u30</folder>	
	separated with blanks .		.index	
	The reader uses header line keywords to		: * * * * :	
			{code}	
	identify the beginning of data block, and			
	reads the data lines as long as there is a		SoiClimateIndex can be configured	
	valid year identification at the beginning of		in the same way.	
	the line.			
	The header line is followed by one or more			
	data lines, each with a year and 12 indices			
	for 12 months.			
FEWS-8019	ior iz monuio.		SG 3/9	
FEW 5-8019			Functionality will be added to the	
			"spatial thumbnails".	
			Selection of what-ifs to open will	
			be more generic so that multiple	
			what-ifs can be selected. This	
			selection will then be viewable in	
			both the TSD and the Spatial	
			Display.	
			T# T# 1	
FEWS-8018				
FEWS-7980				
FEWS-7924				
			1	

I I I I I I I I I I I I I I I I I I I	3-7916 The export from the Scenario Editor shows	Configuration example for problem with	<pre><basicscenariotemplate< pre=""></basicscenariotemplate<></pre>	
FEVS		scenario editor exporting missing data	description="Modified recharge	
	missing when not a correct	scenario editor exporting missing data	scenarios" name="Drought Scenario">	
	relativeViewperiod is chosen. A		<pre><variabletransformation< pre=""></variabletransformation<></pre>	
	configuration example is avilable to resolve		description="Modify precipitation	
	this problem.		rates of existent precipitation"	
			name="Modify precipitation rates of	
			existent precipitation">	
			<duospecificationvariable></duospecificationvariable>	
			<pre><userdefinedfunctionvariable< pre=""></userdefinedfunctionvariable<></pre>	
			calculatorTip="Please note that	
			rainfall is in mm/d">	
			<variable< th=""><th></th></variable<>	
			variableId="udfSWSX_RAIN.Historic"	
			variableType="typicalgridprofile">	
			<timeseriesset></timeseriesset>	
			<pre><moduleinstanceid>SWSX_run4R_Histor</moduleinstanceid></pre>	
			ic	
			<pre><valuetype>grid</valuetype></pre>	
			<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>	
			erId>	
			<pre><locationid>SWSX</locationid></pre>	
			<timeseriestype>simulated</timeseriestype>	
			historical	
			<timestep <="" th="" unit="day"><th></th></timestep>	
			multiplier="1"/>	
			<pre><relativeviewperiod <="" pre="" unit="day"></relativeviewperiod></pre>	
			start="-14600" end="365"	
			endOverrulable="true" />	
			<readwritemode>read</readwritemode>	
			only	
			<mapdisplayreference< th=""><th></th></mapdisplayreference<>	
			mapCaption="Map"	
			geoMapId="SouthWest"/>	
FEWS	-7897 Two exports have been added to the General	The general adapter has been extended so	-7 aberberrinear anterionvariabre-	
	Adapter for generating PiMapStack masks:	that internally PiMapStack masks can be		
	ExportAreaSelection via one base64	generated.		
		generated.		
	encoded polygon in TaskProperties and			
	ExportLocationArea via locationSelection of			
	multiple location ids in TaskProperties.			
FEWS	-7787 When exporting multiple scalar time series	Reduce memory usage on export time	No configuration required	
	to a single file load one time series into	series.		
	memory at a time.			
	Supported for example NetCDF en Pl. Not			
	supported for export formats where every			
	column represents a different time series.			
	Note: The time series import is already			
	streaming.			
	Time series export of grids was also already			
	streaming.			
EEMA	5-7766	 		
	G-7753	<u> </u>		
		+		
	-7724	1	1	
	-7690			

EE/MO 7010	In the Leastern sets was already 2.7	Defended a leasting detailed to the	The configuration is almost the	
		Reference a locations database table in		
1	possible to reference a dbase III file in the	locationSets.xml	same as referencing dbf file.	
	MapLayers config dir. It is now also possible		{code:xml}	
	to reference table in a centrally maintained		<locationset< td=""><td></td></locationset<>	
			id="grondwater_ultimo">	
1	database.			
	Every time FEWS starts-up a snap shot is		<databaseserver></databaseserver>	
1	created from the referenced table and stored		<dbservertype>sqlserver<td></td></dbservertype>	
	in the root of the config dir. This snap shot is		pe>	
	used as backup when the database is		<dbservername>???</dbservername>	
			<dbserverport>1433</dbserverport>	
	temporarily unreachable.		<dbinstancename>????<td></td></dbinstancename>	
			es	
1			<dbinstanceuser>???<td></td></dbinstanceuser>	
1			Capting canceoset >:::\/aptingcdiceoset	
1			2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
			<dbinstanceencryptedpassword>4211if</dbinstanceencryptedpassword>	
1			kK/+qPuA31= <td></td>	
			sword>	
1			<name>PEILBUISEN</name>	
			<geodatum>Rijks</geodatum>	
			Driehoekstelsel	
			<id>ult_%FEWS_ID%</id>	
			<name>%NAAM%</name>	
			<description>Gebiedsnaam:</description>	
			%GEBIEDSNAA% (%NNP CODE%),	
			Meetpuntcode: %MEETPUNTCO%, Datum:	
			%DATUM_INR%, Opmerking:	
			%OPMERKINGE%, Maaiveldniveau:	
1			%MAAIVELD%	
1				
1			<x>%X_COORDINA%</x>	
1			<y>%Y_COORDINA%</y>	
1			<attribute id="DOMMEL_ID"></attribute>	
1			<text>%MEETPUNTCO%</text>	
1				
1			<attribute id="TMX_ID"></attribute>	
			<text>%TMX%</text>	
FEWS-6758	Map layers imported by the	Map layer files imported by the		
	ConfigUpdateScript are now stored	ConfigUpdateScript are now stored		
	compressed in the database. This way the	compressed in the database		
		compressed in the database		
	configuration in the (local) dataStore takes			
1	up less space.			
FEWS-6474				