Delft-FEWS 2021.01 Nev	w Features						
Component/s App - Admin Interface, App - Master Controller Server			Summary FEWS-22594 MC SystemAlerter task: allow multiple recipients in one string in the recipient element of the emailalert		Release Note Text Description Allow multiple system alerter recipients on the same line (also supported by environment variables in mcConfig upload).	Link to Documentation https://publicwiki.deltares.nl/display/FEWS DOC/Setting+up+sending+emails+on+events +-+2020.02+and+later	Images
App - Admin Interface	FEWS-24557	FEWS 2021.01	FEWS-23599 Admin Interface OAUTH2 support			https://publicwiki.deltares.nl/display/FEWS DOC/Delft-FEWS+Installation+- +Deploy+Admin+Interfaces+- +2020.02+and+later	
App - Admin Interface	FEWS-23391	FEWS 2021.01	Version check in Al	Admin Interface will display a warning in case of a version mismatch with database	Admin Interface will display a warning in case of a version mismatch with database	https://publicwiki.deltares.nl/display/FEWS DOC/Delft-FEWS+Admin+Interface+- +Introduction#Delft-FEWSAdminInterface- Introduction-VersionCheck	_thumb 115028.png
App - Admin Interface	FEWS-23735	FEWS 2021.01	FEWS-24400 AI UX verbeteringen: Show/hide knop locatie en functie	menu icon has been updated to the hamburger icon (3 rows) and put in the top left location.	menu icon has been updated to the hamburger icon (3 rows) and put in the top left location.	https://publicwiki.deltares.nl/display/FEWS DOC/Delft-FEWS+Admin+Interface+- +Introduction	_thumb_115017.png _thumb_109069.png _thumb_109080.png _thumb_109081.png _thumb_109082.png _thumb_109566.png _thumb_109567.png
App - Admin Interface	FEWS-24164	FEWS 2021.01	FEWS-23599 Extra functionality AI / Web API	allow deletion of base builds	Allow deletion of base builds	https://publicwiki.deltares.nl/display/FEWS DDC/Delft-FEWS+Admin+Interface+ +Software+and+Configuration+Management #Delft-FEWSAdminInterface- SoftwareandConfigurationManagement- DeleteBasebuilds(since2021.01)	
App - Admin Interface	FEWS-24320	FEWS 2021.01	CM should add build number as default comments to patches	interface	Some minor improvements to the CM Graphical User Interface were done; Delft-FEWS version and patch number have been added in the comments column, The filter checkbox is selected by default and the rows in the config manager table are sorted based on the creation time.	https://publicwiki.deltares.nl/display/FEWS DOC/20.1+Configuration+Manager+- +2017.02+and+later	_thumb_112830.png _thumb_112831.png
App - Admin Interface	FEWS-24242	FEWS 2021.01	Create automatic load tests scripts for Tomcat using AI Rest API	Admin Interface API	JMeter script to do performance tests on Admin Interface API. Added to Teamcity as a unit test job.		
App - Archive	FEWS-23373	FEWS 2021.01	FEWS-22250 properties file for archive configuration	It is now possible to use an archive.properties file	It is now possible to use properties in the archive server configuration. The properties should be defined in the archive config folder and should be called archive properties.		
App - Archive, System - FEWS webservices	FEWS-24173	FEWS 2021.01	FEWS-22250 FewsWebServices - server side configuration for seamless integration external netcdf storage	in which archive data is stored		https://publicwiki.deltares.nl/pages/viewpa ge.action?pageId=97289286	
App - CreateShortcuts	FEWS-24627	FEWS 2021.01	(CreateShortCuts application)	Help Reference in CreateShortcuts Application improved	Help Reference in CreateShortcuts Application improved	https://publicwiki.deltares.nl/display/FEWS DOC/02+Launching+FEWS	
App - Delft-FEWS	FEWS-24162	FEWS 2021.01	FEWS-23599 Config examples in basebuild	Config examples added in basebuild	Config examples added in basebuild	https://publicwiki.deltares.nl/display/FEWS DOC/Launching+Delft-FEWS+- +2018.02+and+later	
App - Delft-FEWS	FEWS-24163	FEWS 2020.02, FEWS 2021.01	FEWS-23599 Extra functionaliteit mc tool	encrypt tool added to mctools	The encrypt tool added to mctools to allow generating a encrypted password. The mcrecovery tool has been extended with asilent flag that will prevent logging to the console.	https://publicwiki.deltares.nl/display/FEWS DOC/EncryptTool	

Admin Interface can login using Active

Directory

Admin Interface can login using Active

Directory

FEWS-23599 Authenticatie Al via AD

FEWS-24165 FEWS 2021.01

App - Delft-FEWS

https://publicwiki.deltares.nl/display/FEWS
DOC/belft-FEWS+Installation++Deploy+Admin+Interfaces+
https://publicwiki.deltares.nl/display/FEWS
thumb_115032.png
thumb_116494.png
thumb_116495.png

1 of 9

+Deploy+Admin+Interfaces+-+2020.02+and+later#Delft-FEWSInstallation-DeployAdminInterfaces-2020.02andlater-ActiveDirectoryauthentication(since2021.01)

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation	Images
App - Operator Client Gui (Explorer)		FEWS 2020.02, FEWS 2021.01	FEWS-19373 JCEF package update - February 2021	A updated JCEF (Java Chromium Embedded Framework) package (chromium 88.0.4324, Feb 2021) has been provided to update the embedded web browser in FEWS.	A updated JCEF (Java Chromium Embedded Framework) package (chromium 88.0.4324, Feb 2021) has been provided to update the embedded web browser in FEWS. In addition to the usual security updates provided by the chromium package a few related new features have been added to the FEWS 2020.02 release: - the update of the JCEF package is optional - the chrome developer tool can be used for troubleshooting of web applications - the downloads folder can be configured.	https://bublicwiki.deltares.nl/display/FEWS DOC/24+Web+Browser+Display	_thumb_118483.png
Configuration	FEWS-22130	FEWS 2021.01	FEWS-22129 ComposedWhatif: enable configuration whatif definition blocks	Design WhatlfTemplates.xsd and associated implementations			
Configuration	FEWS-21807	FEWS 2020.02, FEWS 2021.01	Ability to connect attribute csv file to database based locationSet			https://publicwiki.deltares.nl/display/FEWS DOC/22+Locations+and+attributes+defined+ in+CSV+files%2C+Shape- DBF+files+or+external+tables	_thumb 113991.png
Patabase - Datastore	FEWS-23659	FEWS 2021.01	FEWS-23658 Assist/review database / JSON schemas MongoDB			<u> </u>	
Oatabase - Datastore	FEWS-22645	FEWS 2020.02, FEWS 2021.01	FEWS-22632 Handmatig beheer van meetwaarden is mogelijk per stuk (correctie of verwijderen record) of voor meerdere tegelijk (verwijderen records) - sprint 5 - prio 1			https://publicwiki.deltares.nl/display/FEWS DOC/18+Sample+Viewer#id- 18SampleViewer-Editsamples(since2020.02)	_thumb_118812.png _thumb_118813.png
Oatabase - localDataStore	FEWS-24035	FEWS 2021.01	Visualize partly current workflows, handle workflows that are sharing module instance ids	à			
lodule Adapter - Calibration	FEWS-23608	FEWS 2021.01	FEWS-17002 Let FEWS run workflow with modifiers attributes based on OpenDA calculations				
lodule Adapter - Calibration	FEWS-23607	FEWS 2021.01	FEWS-17002 Generate OpenDA config from FEWS				
lodule Adapter - Calibration		FEWS 2021.01	FEWS-17002 FEWS OpenDA Calibration panel				
lugin - GUI - Annotations Panel	FEWS-23759	FEWS 2021.01	FEWS-22228 Extend import and export for annotations	Annotations: import and export	Annotations can be imported and exported (via CSV files)	https://publicwiki.deltares.nl/display/FEWS DOC/Import+Module+configuration+options #ImportModuleconfigurationoptions- Annotationlocationsetid	
lugin - GUI - Annotations Panel	FEWS-23757	FEWS 2021.01	FEWS-22228 Create Annotationspanel	New Display: Annotation Display	A new display has been added: the Annotation Display. This display shows and manages (time dependent) remarks about locations.	https://publicwiki.deltares.nl/display/FEWS DOC/30+Annotation+Display	
lugin - GUI - Annotations Panel	FEWS-23758	FEWS 2021.01	FEWS-22228 Add, edit, delete annotations based on permissions	Annotations: edit, add and delete based on permissions	Annotations: edit, add and delete based on permissions	https://publicwiki.deltares.nl/display/FEWS DOC/30+Annotation+Display	
lugin - GUI - Annotations Panel	FEWS-23756	FEWS 2021.01	FEWS-22228 Add time series with valueType "text"	Annotations: new valueType added	To support the Annotation concept, a new valueType ("text") was needed. This has been added to the central database.	https://publicwiki.deltares.nl/display/FEWS DOC/30+Annotation+Display	
Plugin - GUI - ComposedWhatIf	FEWS-24542	FEWS 2021.01	FEWS-21063 WhatifEditor: keep editable until saved persistently with taskrun				

Delit-1 LW3 2021.01 New	reatures	<u> </u>		<u> </u>			
	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation	Images
Plugin - GUI - ComposedWhatlf	FEWS-23998	FEWS 2021.01	FEWS-22165 WhatifTemplates: allow multiple config files	WhatlfTemplates and multiple config files			
					For example, it is possible to configure all value types in WhattfTemplates A.xml. The		
					whatfTemplates_n.xml. The whatfTemplates_n.xml may refer to the value types configured in WhatfTemplates A.xml		
					There is presently one restriction: every WhattfTemplates.xml must have at least one value type, since <valuetypes> is an obligatory element.</valuetypes>		
					Config example is available in MultipleWhatlfTemplates.zip		
Plugin - GUI - ComposedWhatIf	FEWS-23939	FEWS 2021.01	FEWS-22165 Whatif: hide pattern in dropdown	WhattfTemplates and the option "hidePattern"	Value type configFile has, in addition to the option pattern, also an option hidePattern		<u> </u>
					If this option is set to true, then the dropdown box in the Whatlf editor shows the configFile names without the configured pattern		
					If this option is omitted or set to false, then the dropdown box in the Whatlf editor shows the full configFile name.		
					Note that the (optional) config file suffix 'Default' is never shown .		
					An example:		
					If we configure <pre><configfile< pre=""> <pre>id="coldStateFiles" type="cold state" pattern="run_ribasim"* hidePattern="rtrue"/> and the cold state file name is run_ribasimWQland Default.zip,</pre></configfile<></pre>		
					then the dropdown box shows '_WQland'. If hidePattern="false", the		
Plugin - GUI - ComposedWhattf, Plugin - GUI - IFD - Forecasts			FEWS-21063 IFD-Topology dynamically builds up sub-nodes with whatif-instances				_thumb_113432.png _thumb_115470.png
Plugin - GUI - ComposedWhatIf	FEWS-24584	FEWS 2021.01	FEWS-21063 WhatifEditor: apply defaults at startup	WhatlfEditor: default properties values	Each value type has an attribute default value. When creating a new what-if, this default values are shown in the properties rows WhatIf Editor		
Plugin - GUI - ComposedWhatIf	FEWS-24514	FEWS 2021.01	FEWS-21063 Whatif: distinction				_thumb_114978.png

between name and description

Component/s	Кеу	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation	Images
Plugin - GUI - ComposedWhatif, Plugin - Module - General Adapter		FEWS 2021.01	FEWS-21063 GA/whatif: allow export of moduledatasets without configuring moduleinstanceids	Allow export of ModuleDataSet files without moduleInstanceDescriptors registration	The exportDataSetActivity of the General Adapter is extended to allow exporting of a moduleDataSet file by filename without the need to register this moduleDataSet in the ModuleInstanceDescriptors. This feature aligns with the new Whattf-functionality, where properties can be used to select a moduleDataSet file based on a filename pattern. The allows new whattf-choices to be added to a stand-alone or computational framework application without the need to adjust other configuration files (i.e. moduleInstanceDescriptors),		
Plugin - Gui - Grid Display, Plugin - GUI - IFD - Forecasts	FEWS-24454	FEWS 2021.01	FEWS-21063 IFD-Spatial Display updates based on selected whatif node				
Plugin - Gui - Grid Display	FEWS-23817	FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	TSD Allow "on the fly" vertical profiles and domain parameter vertical profiles in the same plot				_thumb_109246.png _thumb_109247.png
Plugin - Gui - Grid Display	FEWS-24612	FEWS 2021.01	Base isolines on pixels instead of grid cells				_thumb_116862.png _thumb_116852.png _thumb_116861.png _thumb_116853.png _thumb_116854.png _thumb_116855.png _thumb_116856.png _thumb_116857.png _thumb_116858.png _thumb_116859.png _thumb_116859.png _thumb_116850.png
Plugin - Gui - Grid Display	FEWS-24510	FEWS 2021.01	NGMS: singleLocationDisplay config option in spatial display				_thumb_114528.png _thumb_116586.png _thumb_114750.png
Plugin - GUI - IFD - Forecasts, Plugin - Gui - Time Series		FEWS 2021.01	FEWS-21063 IFD-timeseries display updates based on whatif node selection				
Plugin - GUI - Sample Viewer	FEWS-22654	FEWS 2021.01	FEWS-22632 Make predefined periods configurable - sprint 3 - prio 2				
Plugin - GUI - Sample Viewer	FEWS-11737	FEWS 2021.01	FEWS-22632 Filtering for samples, enable filtering in time - sprint 3 - prio 1				
Plugin - Gui - Schematic Status Display, System - FEWS webservices		FEWS 2020.02, FEWS 2021.01, FEWS 2020.02 RWS	FEWS-23543 Schematic status displays: cycle symbols in the svg with thresholds	A new option has been implemented for Schematic Status Displays (SSD/Scada) that allows the swapping of graphic elements linked to thresholds.		https://publicwiki.deltares.nl/pages/viewpa ge.action?pageld=8684020	
Plugin - Gui - Time Series	FEWS-24571	FEWS 2021.01	Extend popup window header info for Show history (CTRL+H) with time(period)				_thumb_115260.png _thumb_115257.png
Plugin - Gui - Time Series	FEWS-24497	FEWS 2020.02, FEWS 2021.01	Vertical profiles: auto scaling vertical axis				
Plugin - Gui - Time Series		FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	FEWS-10487 Add vertical lines for (systemTime/T0/displayTime) to long term scroller.	Vertical lines for System time and Display time to long term scroller.	Vertical lines for System time and Display time to long term scroller. Especially useful for combination with special plots that do not have a normal TSD graph and thus no vertical lines for System and display time. !SystemAndDisplayTime.png thumbnail!	https://publicwiki.deltares.nl/display/FEWS DOC/04+Data+Display+and+Data+Editor#id- 04DataDisplayandDataEditor- LongTermScroller	_thumb_112611.png
Plugin - Gui - Time Series		FEWS 2019.02, FEWS 2020.01, FEWS 2020.02, FEWS 2021.01	Option in TSD to undelete removed nonequidistant values	Undelete time steps in non-equidistant in time series dialog	A time step from a non-equidistant time series that is manually deleted is skipped on re-import. It is now possible to show the deleted time steps in the time series dialog. After unhiding you can restore the deleted time steps.		
Plugin - Gui - Time Series Interval Statistics		FEWS 2019.02, FEWS 2020.02, FEWS 2021.01	Extra location attributes to interval statistics display				_thumb_112051.png

Delft-FEWS 2021.01 No							
Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation	Images
Plugin - Gui - Time Series Modifier	FEWS-24768	FEWS 2020.02, FEWS 2021.01	FEWS-24767 Order of Compound Modifiers seems random		When qualifiers were used for the compound modifier the order of the parameters in the modifier panel were random. This is now fixed. The order is now also the order as used in the config.		_thumb_117197.png _thumb_117198.png
Plugin - Gui - Topology Editor	FEWS-24229	FEWS 2021.01	TopoligyEditor: network info tab	+	+	+	
Plugin - Module - Data Export	FEWS-23702		FEWS-24399 Export: add description to export meta data	Time series Export - keywords %TASK_DESCRIPTION% and %WHAT_IF_NAME% can be also used in the section <metadata></metadata>	Besides in the config file TimeSeriesExportRun.xml , this keyword can be also used in the section <ncmetadata> of the config file ExportArchiveModule.xml</ncmetadata>	https://publicwiki.deltares.nl/display/FEWS DOC/Export+module	
Plugin - Module - Data Import	FEWS-22642	FEWS 2020.01, FEWS 2021.01	FEWS-22632 Import/export alfanumerieke waarde - sprint 2 - prio 3				_thumb_111116.png _thumb_109504.png _thumb_110636.png _thumb_111093.png_thumb_99220.png _thumb_107260.png _thumb_111094.png _thumb_107261.png _thumb_1111111.png
Plugin - Module - Data Import	FEWS-24408	FEWS 2020.02, FEWS 2021.01	FEWS-24406 FEWS-Itaipu: Import GRADS data	New import type: GRADS	Reader for ingesting of gridded time series from the GRADS files. The reader reads first the Ascii meta data file with a description of the binary data. This description is used to read the binary data file The meta data file must have an extension ctt, and both ctt file and binary file must be in the same folder. The detailed description of the GRADS files can be found on [http://cola.gmu.edu/grads/gadoc/aboutg riddeddata.html] Important to know: The GRADS reader does not support all features from the meta data file. The reader supports only LINEAR grid mapping and only a single level (Z diemesion). As for the variable records, only the variable name is read .from these records		_thumb_116376.png _thumb_116492.png _thumb_116386.png
Plugin - Module - Data Import	FEWS-23703	FEWS 2021.01	FEWS-22250 Import NetCDF References while NetCDF file on opendap is not available yet				
Plugin - Module - Data Import	FEWS-24374	FEWS 2020.02, FEWS 2021.01	WIS: Bij migreren van oude WIS database naar nieuwe ook validatiestatus meenemen				
Plugin - Module - Data Import	FEWS-24054	FEWS 2020.02, FEWS 2021.01	FEWS-24053 API import for SENCROP sensors	support imports with the Sencrop API	support imports with the Sencrop API	https://publicwiki.deltares.nl/display/FEWS DOC/Sencrop	
Plugin - Module - Data Import	FEWS-24407	FEWS 2020.02, FEWS 2021.01	FEWS-24406 FEWS-Itaipu: Import from	Itaipu Import	Delft-FEWS now supports the Itaipu	https://publicwiki.deltares.nl/display/FEWS	

Plugin - Module - Data Export	FEWS-23702	FEWS 2021.01	FEWS-24399 Export: add description to export meta data	Time series Export - keywords %TASK_DESCRIPTION% and %WHAT_IF_NAME% can be also used in the section <metadata></metadata>	Besides in the config file TimeSeriesExportRun.xml , this keyword can be also used in the section <ncmetadata> of the config file ExportArchiveModule.xml</ncmetadata>	https://publicwiki.deltares.nl/display/FEWS DOC/Export+module	
Plugin - Module - Data Import	FEWS-22642	FEWS 2020.01, FEWS 2021.01	FEWS-22632 Import/export alfanumerieke waarde - sprint 2 - prio 3				_thumb_111116.png _thumb_109504.png _thumb_1109504.png _thumb_11093.png _thumb_111093.png _thumb_107260.png _thumb_111094.png _thumb_107261.png _thumb_1111111.png
Plugin - Module - Data Import	FEWS-24408	FEWS 2020.02, FEWS 2021.01	FEWS-24406 FEWS-Itaipu: Import GRADS data	New import type: GRADS	Reader for ingesting of gridded time series from the GRADS files. The reader reads first the Ascii meta data file with a description of the binary data. This description is used to read the binary data file The meta data file must have an extension cit, and both cit file and binary file must be in the same folder. The detailed description of the GRADS files can be found on [http://cola.gmu.edu/grads/gadoc/aboutg riddeddata.html] Important to know: The GRADS reader does not support all features from the meta data file. The reader supports only LINEAR grid mapping and only a single level (Z dimension). As for the variable records, only the variable records.		_thumb_116376.png _thumb_116492.png _thumb_116386.png
Plugin - Module - Data Import	FEWS-23703	FEWS 2021.01	FEWS-22250 Import NetCDF References while NetCDF file on opendap is not available yet				
Plugin - Module - Data Import	FEWS-24374	FEWS 2020.02, FEWS 2021.01	WIS: Bij migreren van oude WIS database naar nieuwe ook validatiestatus meenemen				
Plugin - Module - Data Import		FEWS 2020.02, FEWS 2021.01	FEWS-24053 API import for SENCROP sensors	support imports with the Sencrop API	support imports with the Sencrop API	https://publicwiki.deltares.nl/display/FEWS DOC/Sencrop	
Plugin - Module - Data Import		FEWS 2020.02, FEWS 2021.01	FEWS-24406 FEWS-Itaipu: Import from database BDH	Itaipu Import	Delft-FEWS now supports the Itaipu REST Import	https://publicwiki.deltares.nl/display/FEWS DOC/ItaipuBDH	
Plugin - Module - Data Import		2020.01, FEWS 2020.02, FEWS 2021.01	the most recent) forecast			https://publicwiki.deltares.nl/display/FEWS DOC/Import+Module-configuration-options #ImportModuleconfigurationoptions- externalForecastTimesSearchRelativePeriod &externalForecastTimesCardinalTimeStep	_thumb_114542.png
Plugin - Module - Data Import	FEWS-23601	FEWS 2021.01	FEWS-24053 Soil moisture sensors: API imports (SENSOTERRA AND FARM21)	Farm21 import supported	Farm21 import is now supported as importType: +Farm21+	https://publicwiki.deltares.nl/display/FEWS DOC/Farm21	_thumb 109957.png
Plugin - Module - Data Import		FEWS 2020.02, FEWS 2021.01	FEWS-BMA: New JSON import for observed BMA data	_	_	https://publicwiki.deltares.nl/display/FEWS DOC/BMALatest+Import	
Plugin - Module - Data Import	FEWS-20301	FEWS 2020.01, FEWS 2021.01	FEWS-14730 Connect to MQTT protocol for receiving data (R_301)	Azure IOT Hub Import for messages in the PI XML Format	Azure IOT Hub Import for messages in the PI XML Format.	https://publicwiki.deltares.nl/display/FEWS DOC/AzurelotHub	
Plugin - Module - General Adapter, System - Logging	FEWS-23986	FEWS 2020.01, FEWS 2021.01	FEWS-17145 Add name/group of coldState used in General Adapter to tooltip in Forecast Dialog				_thumb 111291.png
Plugin - Module - Reports	FEWS-24187	FEWS 2019.02 EA, FEWS 2021.01	FEWS-18050 Report: Add options element to generatePDF in reports	More options to generate pdf in report module	Allow specifying command line options for wkhtmltopdf.exe with the new generatePdfCommandLineOptions element. eg. –orientation Landscape	https://publicwiki.deltares.nl/display/FEWS DOC/Generate+PDF+from+HTML+report	6 of 9
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Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description		Images
Plugin - Module - Reports	FEWS-23208	FEWS 2021.01	Create unit tests for threshold reports	Unit test for thresholds reports added	Unit test for thresholds reports added	https://publicwiki.deltares.nl/display/FEWS	
Plugin - Module - Reports	FEWS-23497	FEWS 2020.01, FEWS 2021.01	Legend bar text improvements for grid display and snapshots reports	GridDisplay and spatialPlotSnapshots report : new options to customize bar legend	Three new options has been added to the barLegend:	DOC/09+Report+Module https://publicwiki.deltares.nl/display/FEWS DOC/01+Grid+Display#id-01GridDisplay-	thumb_111613.png _thumb_107207.png _thumb_107208.png
				legend	* labelsColor - color of the tick labels. If omitted, then the outside labels are black and the inside labels are white, * labelsBackgroundColor - background color of the tick labels, * labelsOpaquenessPercentage - transparency(opaqueness) of the background of the tick labels. 0% is completely transparent and 100% is completely transparent and 100% is completely opaque. If omitted then the background is completely opaque. Please *note* that the options labelsBackgroundColor and labelsOpaquenessPercentage are implemented only for outside labels.	barLegend	_thumb_107208.png _thumb_107205.png _thumb_107983.png _thumb_107498.png
Plugin - Module - Transformation	FEWS-24360	FEWS 2019.02, FEWS 2020.02, FEWS					
Division Marketin To 10	EEL CO	2021.01	percentileExceedence does not accept template property				
Plugin - Module - Transformation		FEWS 2021.01	FEWS-16169 FEWS Wales: FEWS Spatial interpolation grid to polygon		<u> </u>		
Plugin - Module - Transformation	FEWS-23801	FEWS 2020.02, FEWS 2021.01	FEWS-23777 Introduce bed level concept	Location bed level	A location can now have a bed level attribute. This bed level can be used in vertical interpolation/aggregation transformation.		
Plugin - Module - Transformation	FEWS-23619	FEWS 2020.01, FEWS 2021.01	FEWS-23777 Transformation Module - Vertical interpolation/averaging for scalar (sigma layers)				_thumb_113736.png
Plugin - Module - Transformation	FEWS-23649	FEWS 2020.01, FEWS 2021.01	FEWS-23777 Transformation Module - Vertical interpolation/averaging for grids (z-layers)	Implement new transformation for averiging values from different Z-layers in a grid	This transformation calculates a weighted average of of a parameter (for example water temperature) measured at the same location, but at different heights (different z layers). Each Z layer is represented by a TimeSeriesSet. (They have to have the same geometry). The entire (water) depth is divided into layers. The z layers are the center points of these water layers. In the average calculation the weight of the parameter is the thickness of the water layer it was measured in. The calculation is done per grid cell. The (vertical) area that should be averaged is configurable. This area can contain more water layers, partial water layers, or a single (partial) layer. If the averaging area contains a partial layer, the weight of that water layer is only the part that is included in the calculation. If the averaging area start and end are the same the transformation simply extracts the temperature of one layer from the time series array.	https://publicwiki.deltares.nl/display/FEWS DOC/VerticalAverageGridZLayer	
					The area of the calculation can be counted from a standard point of		

Component/s	Key	Fix Version/s	Summary	Release Note Text	Release Note Text Description	Link to Documentation	Images
Plugin - Module - Transformation		FEWS 2020.01, FEWS 2021.01	FEWS-23777 Transformation Module -	new transformation for vertical	This transformation calculates a	https://publicwiki.deltares.nl/display/FEWS	images
ragin module rransismaler	12443 23040	2020.0 1,1 2110 2021.0 1	Vertical interpolation/averaging for scalar		weighted average of of a parameter (for	DOC/AverageScalarVerticalLayers	
			(z-layers)	layers)	example water temperature) measured	DOC/Averagescalar vertical Layers	
			(Z layoro)	layoro)	at the same location, but at different		
					heights (different z layers). The (water)		
					depth is divided into layers. The weight		
					of the temperature is the thickness of the		
					layer it was measured in.		
					The area that should be averaged is		
					configurable. This area can contain more		
					layers, partial layers, or a single (partial)		
					layer.		
					If the area contains a partial laver, the		
					weight of that layer is only the part that is		
					included in the calculation.		
					If the area start and end are the same		
					the transformation simply extracts the		
					temperature of one layer from a scalar		
					map into a scalar time series.		
	1				The area of the calculation can be		
	1				counted from a standard point of		
	1				comparison (0 m) or the current water		
	1				level, which changes in time. Input		
11	1				waterLevelReference is optional.		
	1				If waterLevelReference is configured the		
11	1				starting point of the top water layer		
					should be updated with each time step to		
					math the water stand.		
System	FFWS-24412	FEWS 2021.01	FEWS-21828 Roadmap: Remove	Roadmap 2021: Code Clean-up	Roadmap 2021: Code Clean-up. Under	https://publicwiki.deltares.nl/display/FEWS	
o your and a second	12443 24412	2021101	unused modules and displays from	Troughlap 2021: 0000 010011 up	the hood moved code to separate	DOC/Delft-	
			FEWS code		libraries for easy removal in a later		
			I LW3 code		1	FEWS+End+of+Life+Modules+and+Displays	
					stage.		
System	FEWS-24414	FEWS 2021.01	FEWS-21828 Roadmap: Move code	Roadmap 2021: Code Clean-up.	Roadmap 2021: Code Clean-up. Under	https://publicwiki.deltares.nl/display/FEWS	
			from FEWS main to FEWS_Obsolete.jar		the hood moved code to separate	DOC/Delft-	
					libraries for easy removal in a later	FEWS+End+of+Life+Modules+and+Displays	
					stage.	1 EWS TEHR FOR EITE FWOOD CIES TO AND TO SPICE Y	
System - FEWS webservices	FFWC 24210	FEWS 2021.01	FewsWebservices should provide parent		3		
System - 1 EWS Webservices	FEVV3-24218	1 LW3 2021.01	locations of children				
0	EELUG 40040	FFW0 0004 04		DI DECT O	DI DECT O	I to the state of the state of	H
System - FEWS webservices	FEWS-19940	FEWS 2021.01		PI REST Service now supports	PI REST Service now supports	https://publicwiki.deltares.nl/display/FEWS	_thumb_100240.png
			for a certain X,Y,Z coordinate and	requesting the time series of a grid for	requesting the time series of a grid for	DOC/FEWS+PI+REST+Web+Service#FEWSPIR	_thumb_100241.png
			datalayer	3D data.	3D data. Also a vertical profile can be	ESTWebService-GETtimeseries/grid(2018.02)	_thumb_100242.png
					requested.		
System - FEWS webservices - PI REST	FFWS-23902	FEWS 2019.02. FEWS 2021.01	ZZL: toevoegen van limit symbols in de	detection attribute added to time series	The detection attribute (also known as a	https://publicwiki.deltares.nl/display/FEWS	
-,	12440 20502		FewsWebServices (read)	and samples	limit symbol) has been added to time	DOC/FEWS+PI+REST+Web+Service#FEWSPIR	
			T CWSTT CD COTTIONS (TOUR)	and samples	series and samples responses.		
					series and samples responses.	ESTWebService-GETtimeseries	
System - FEWS webservices - SSD	FEWS-24488	FEWS 2020.02, FEWS 2021.01	SSD Service - default TIMEZERO for	A minor improvement of the SSD	A minor improvement of the SSD	https://publicwiki.deltares.nl/x/OwXkC	
			getAction request	webservice, the way default time is set	webservice, the way default time is set		
	1						<u> </u>
System - FEWS webservices - SSD	FEWS-24489	FEWS 2020.02, FEWS 2021.01	SSD Service - No supported click	A minor improvement of the SSD	A minor improvement of the SSD	https://publicwiki.deltares.nl/x/OwXkC	
1			actions defined		webservice, the way clickable objects are		
1				rendered in SVG	rendered in SVG		
System - FEWS webservices - WMS	FEWS-23921	FEWS 2021.01	FEWS-22250 WMS Service - Support	get capabilities now reports a default	get capabilities now reports a default	https://publicwiki.deltares.nl/pages/viewpa	
			default time in getCapabilites	time	time and time is no longer required for	ge.action?pageId=134482048#FEWSWebMa	
	1		acidan unio in getoapabilites	lino	GetMap.		
	1				Courtap.	ppingServicewithtimesupport(WMS-T)-	
						GetCapabilitesdefaulttime(2021.01)	
System - FEWS webservices - WMS	FEWS-23913	FEWS 2021.01		Latest forecast can now be retrieved	If a request is done to the WMS and the	https://publicwiki.deltares.nl/display/FEWS	
	_		most recent external forecast from	from the archive	request doesn't specify an external	DOC/FEWS+Web+Services	
	1		external storage when		forecast time then the system will look		
	1		externalForecastTime is omitted		into the archive to find the latest forecast.		
	1				if the forecat is never then the forecast in		
					the database then the forecast from the		
					archive will be used.		
					archive will be used.		
D. A. FEIMO	1	FFINO 0004 04	to a later of the	To ald a second a sec	To the second of		H
System - FEWS webservices - WMS	FEWS-24147	FEWS 2021.01	track layer spatial display in webservice	Tracklayers now available in WMS	Tracklayers now available in WMS	https://publicwiki.deltares.nl/display/FEWS	_thumb_111688.png
				service	service	DOC/FEWS+Web+Services	_thumb_113268.png
System - Logging	FEWS-24308	FEWS 2021.01	FEWS-24400 Enable logging to stdout (if	log to console enabled for web services	log to console enabled for web services	https://publicwiki.deltares.nl/display/FEWS	
1	1		in docker mode)	and admin interface	and admin interface	DOC/09+Logging	
System - Workflow	FEWS-24191	FEWS 2019.02, FEWS 2020.01, FEWS					thumb 111952.png
1 -,		2020.02, FEWS 2021.01	empty				
1	1	12020.02, 1 2110 2021.01	Jo.,.b.)	I	1	I	

Component/s	Key	Fix Version/s		Release Note Text			Images
Water Coach	FEWS-24573	FEWS 2019.02 EA, FEWS 2021.01	WaterCoach – empty database table 'WaterCoach' in scenario database	Remove information concerning the WaterCoach session from the SSD	contain any information concerning the WaterCoach session. This information	https://publicwiki.deltares.nl/pages/viewpage.action?pageid=17661956#ScenarioandScriptdatabase(SSD)- RemoveinformationconcerningtheWaterCoachsessionfromtheSSD	
Water Coach	FEWS-24041	FEWS 2021.01, FEWS 2020.02 RWS	WaterCoach - move grid data in the datastore to readonly gbin file on a network drive			https://publicwiki.deltares.nl/display/FEWS DOC/Application+configuration	