

Deltares

Enabling Delta Life



Deltares

Enabling Delta Life



With Delft-FEWS 2019.02 I can...

Marcel Ververs, Gerben Boot – Delft-FEWS Productmanagement

Delft-FEWS International User Days 2019

2019.02
2019.01

2018.02 EA
2018.02

2018.01

2017.02 WIS
2017.02 NWS

2017.02 NA
2017.02

2017.01.1
2017.01

2017.01 BoM

2016.02

2016.02 NA

2016.02 NWS

2016.02 RWS

2016.01

2015.01 2015.02

2015.01 EA 2015.02 NWS

2014.02 2014.03 BPA/NWS

2014.02 BoM/HyFS 2014.03

2014.01 BPA

2014.01 NWS

2014.01

2013.02 BPA

2013.02

2013.01 EA 2012.01

2013.01 2012.02 2011.02

2011.02 EA

2011.01 NWS

2011.01

2010.02

2010.01

2009.02

2009.01

7.0 (2005)

7.1 (2005)

7.2 (2006)

2007.02

2008.01 2008.02 NWS

2008.02 2008.03



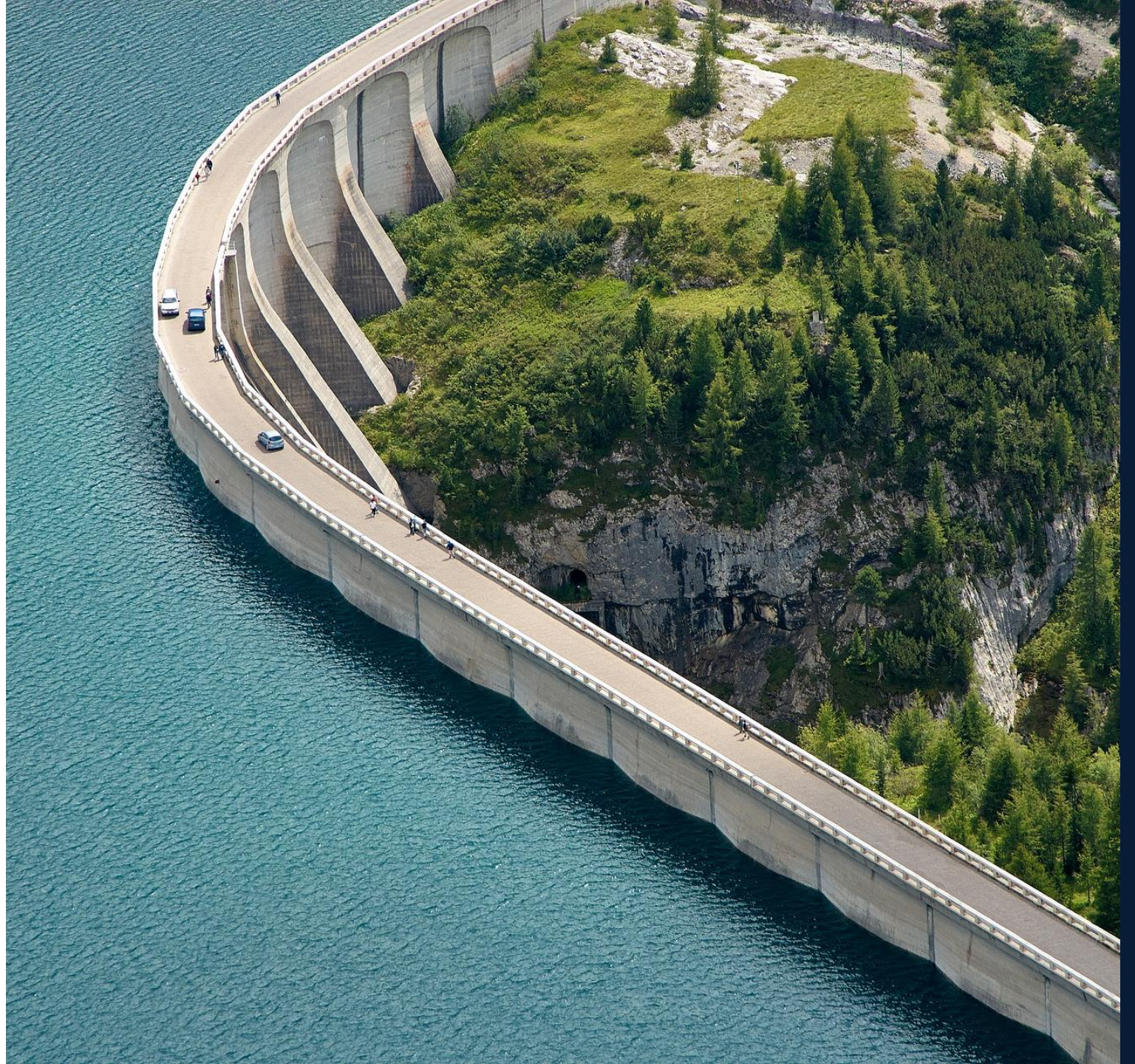
Overview...

- Introduction...
- With 2019.02 I can...
- Outlook 2020 (and beyond)...



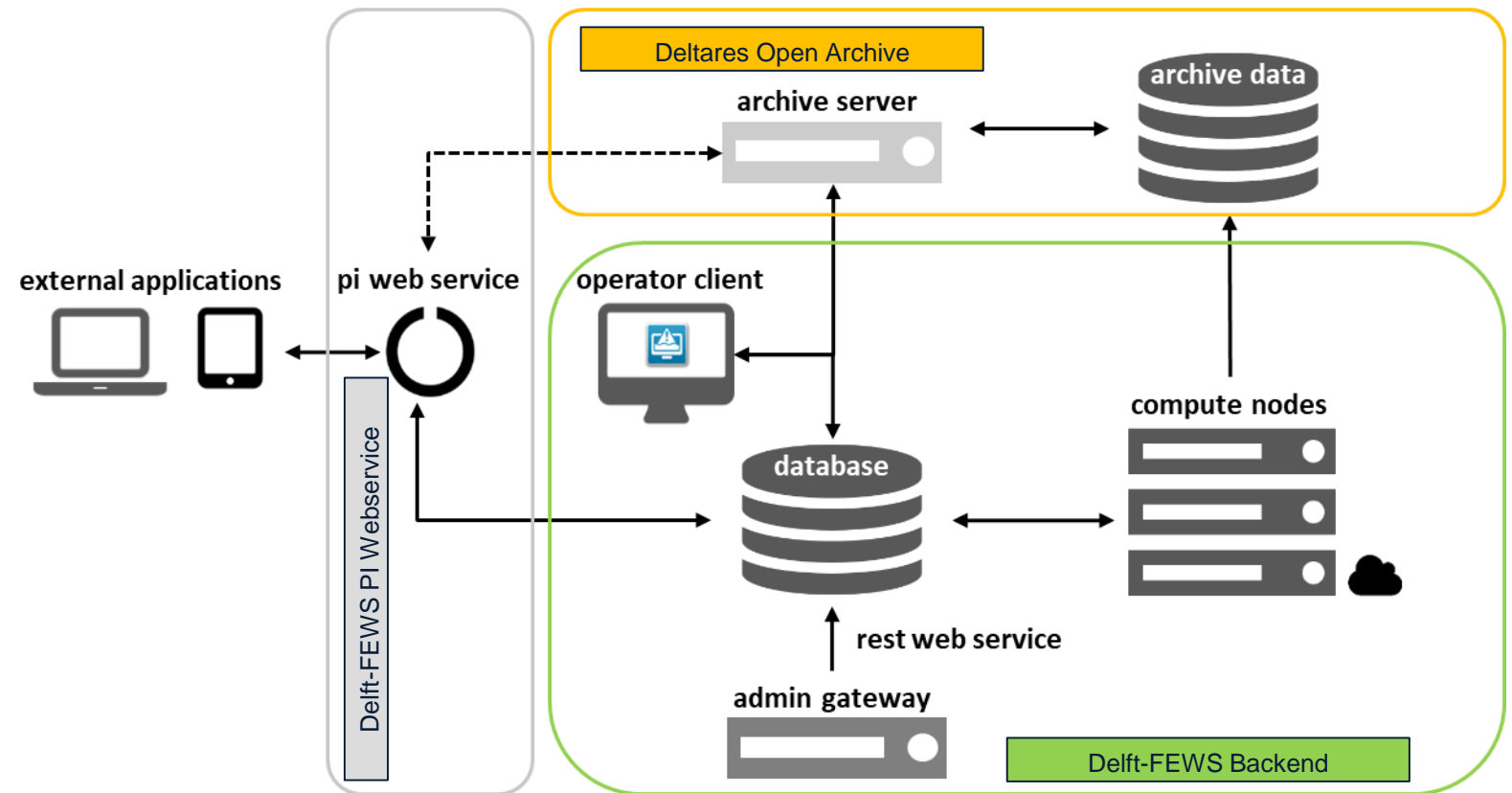
Introduction...

- Roadmaps implemented...
- 2019.02 characteristics and statistics...
- Release planning...



Roadmaps reviewed...

- Benefits...
 - **Major improvements** implemented
 - **Simplification**...
 - **Up-to-date** software...
 - **Knowledge sharing**...
- Learning points...
 - Took (much) **more time**...
 - **Community contributions**...
 - **Migration** paths...



Delft-FEWS 2019.02...



156 new features



107 testing bugs repaired (so far)



80 new icons designed



40 components: one or more new features



20 different clients/projects



10 developers



2 new displays



Database **performance grid data**

Delft-FEWS



2019.02



Release date: 16th December 2019

Internal: 1st of December 2019

With 2019.02, I can...

experience...

show...

calculate...

select...

import...

share...

export...

change...

include...

view...

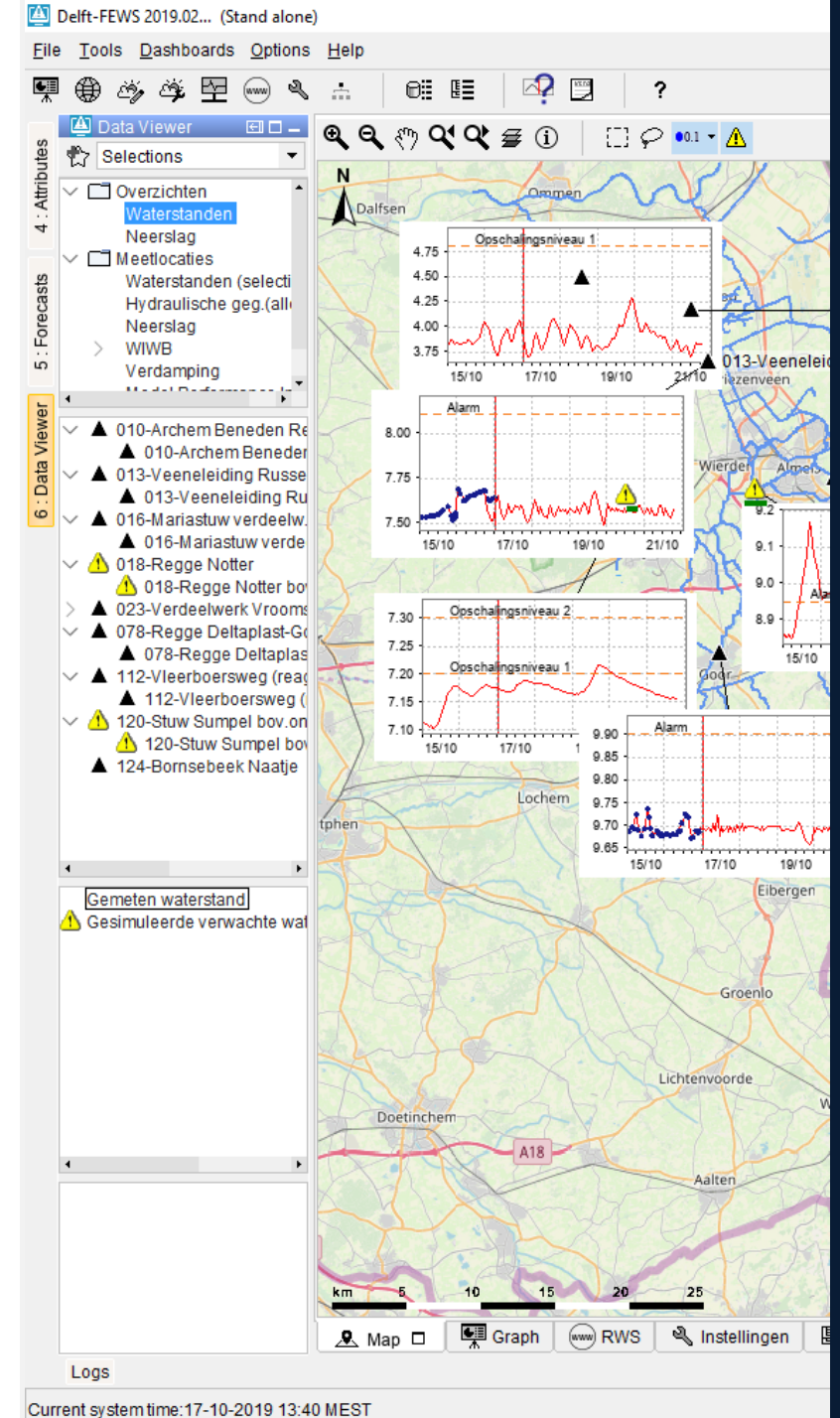
analyze...

manage...

visualize...

create...

modify...



With 2019.02, I can...

experience...

- A new look & feel
 - One consistent look across platforms
 - Windows10 look (as close as possible)
 - Overridable using ColorSchemes
 - Much easier to maintain (in code!)
- New icons
 - All displays & tool windows now have a default icon
 - Overridable by configuration (e.g. in Explorer.xml)

Delft-FEWS 2019.02... (Stand-alone)

File Tools Dashboards Options Help

Forecasts

4 : Attributes

5 : Forecasts

6 : Data Viewer

run for selected locations

re-run completed workflow

run for period

Start time: 13:13:45:00

End time: 13:12:45:00

edit run options

Map Graph RWS Instellingen Workflow Navigator

Logs

05-11-2019 10:38:43 INFO - Config.Info: New default file found: IconFiles/whatif-2019.png

05-11-2019 10:38:43 INFO - Config.Info: New default file found: SystemConfigFiles/Explorer.xml

05-11-2019 10:37:27 INFO - Application.Startup.Finished: The application finished starting up. (23s;Acquire region home lock 1s;Unmarshall region config 3s;Graph 1s)

05-11-2019 10:37:19 INFO - Application.Info: version: 2019.02, build: 89268 (patched from 88965), November 4, 2019, type: stable, jre: 11.0.5, os: Windows 10, user: Gerben Boot, mx: 1572m,

05-11-2019 10:37:18 INFO - Use configuration from C:\fews\2019.02\regge2019_sai\Config

05-11-2019 10:37:09 INFO - Patch loaded

Current system time: 17-10-2013 13:40 MEST

10:43:26 CET

RDR

Delft-FEWS International User Days 2019

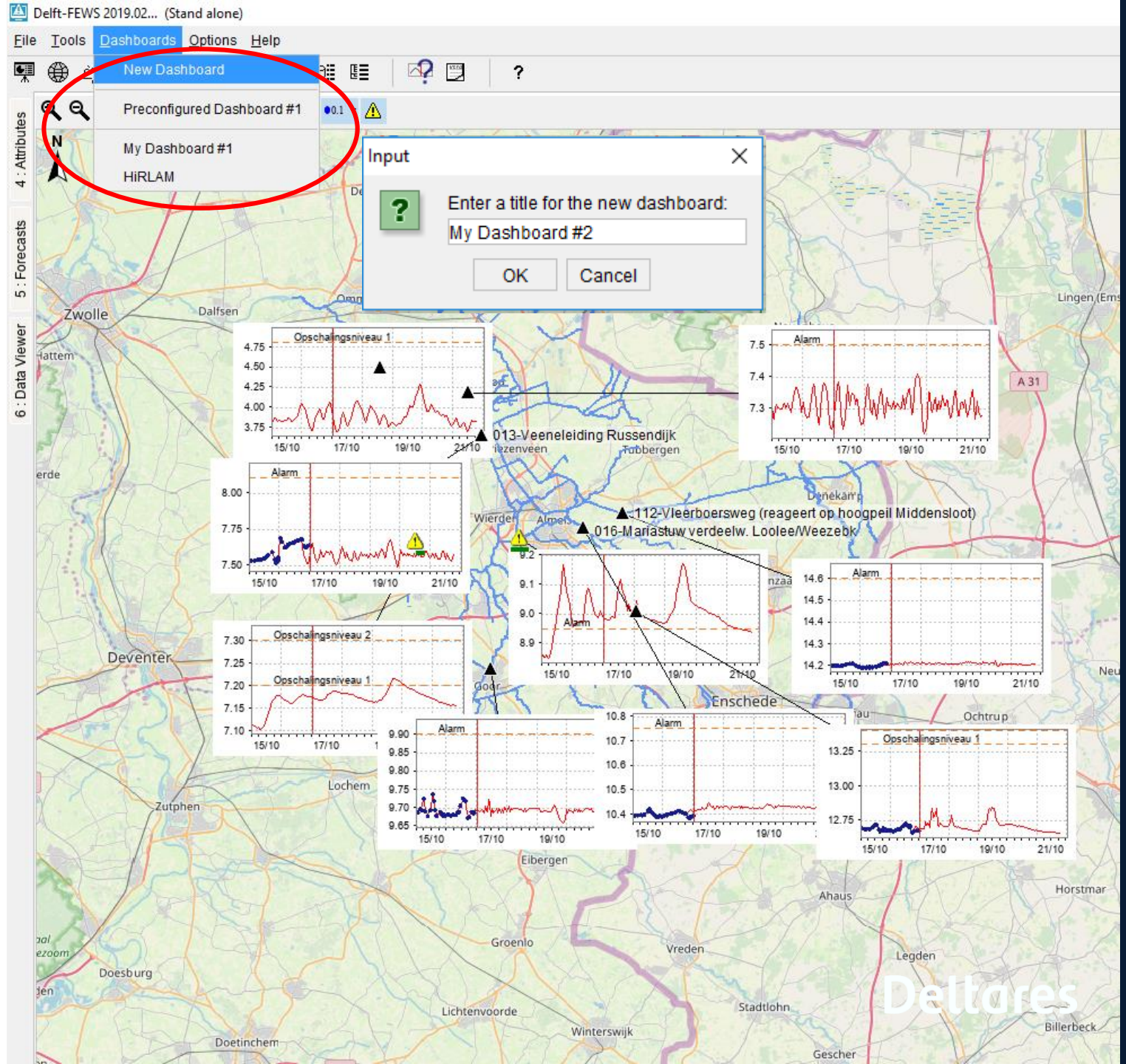
9

With 2019.02, I can...

show...



- my own dashboards...
- Pre-defined...
- Private...
- A dashboard: a collection of grid plots shown together...



Synchronization option: map extent across frames

Temperature (°C) [x]

Forecast (HIRLAM)

Wind (Beaufort)

0.1

4 : Attributes

- Temperature (°C)
- Forecast (HIRLAM)
- Wind (Beaufort)

5 : Forecasts

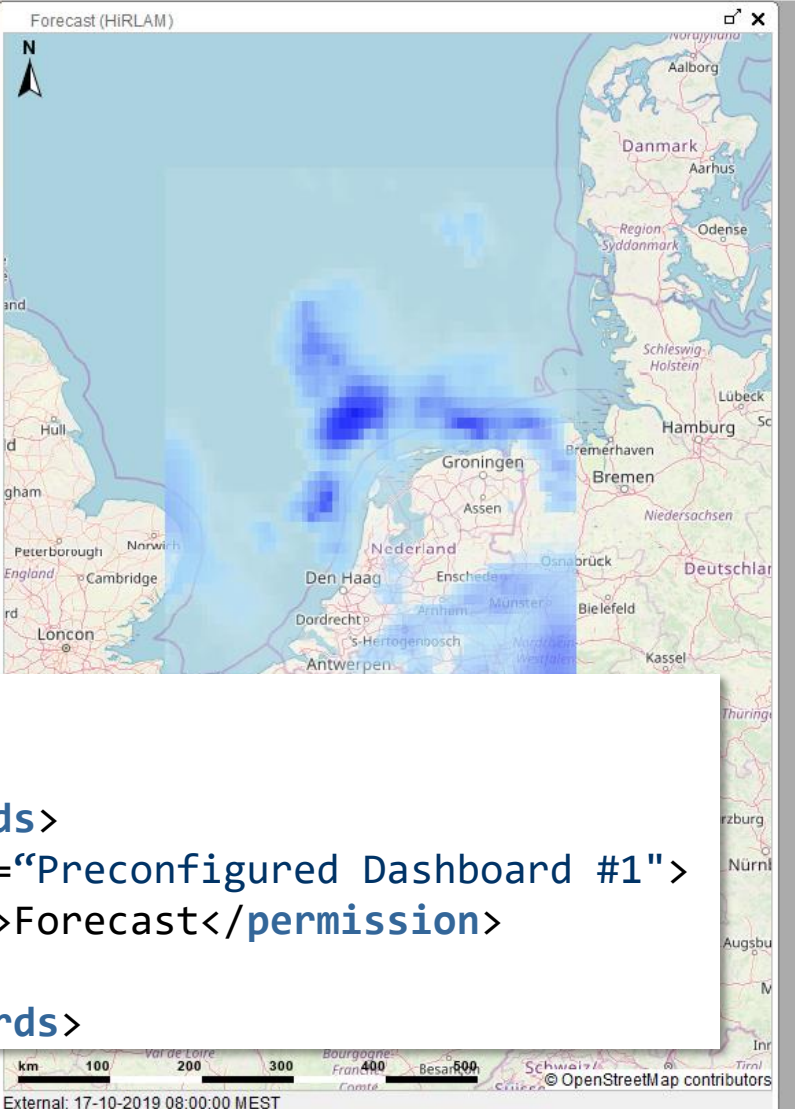
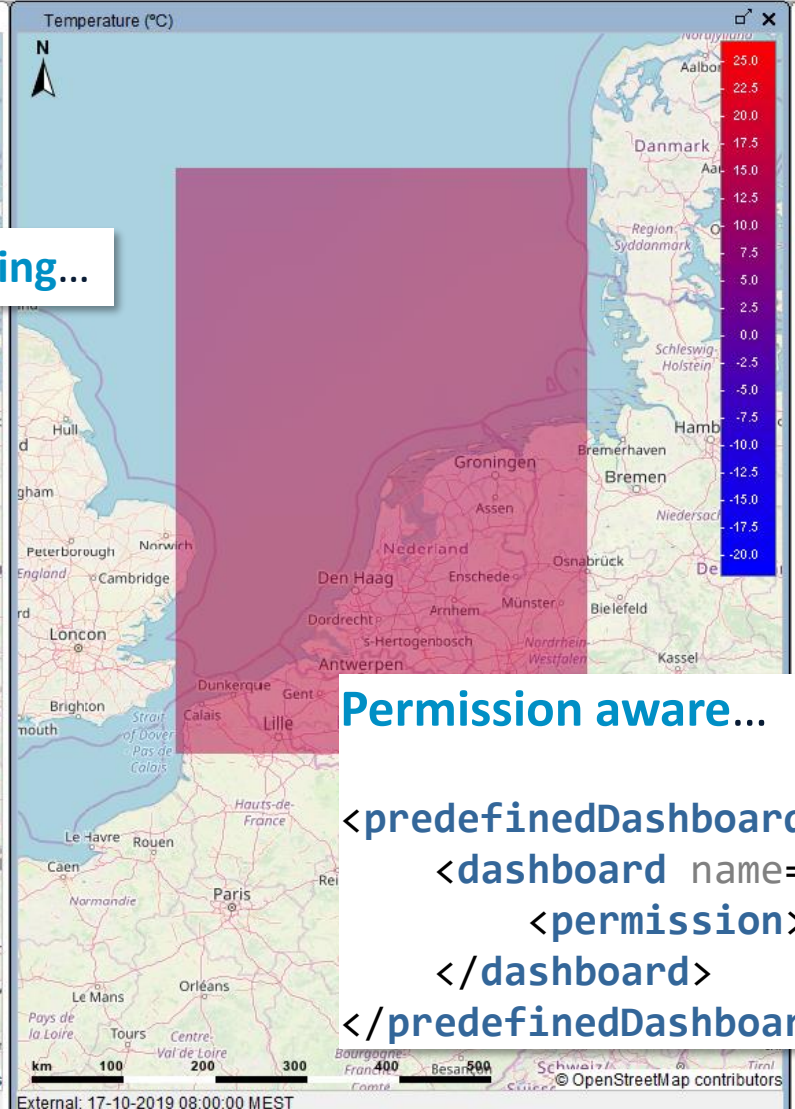
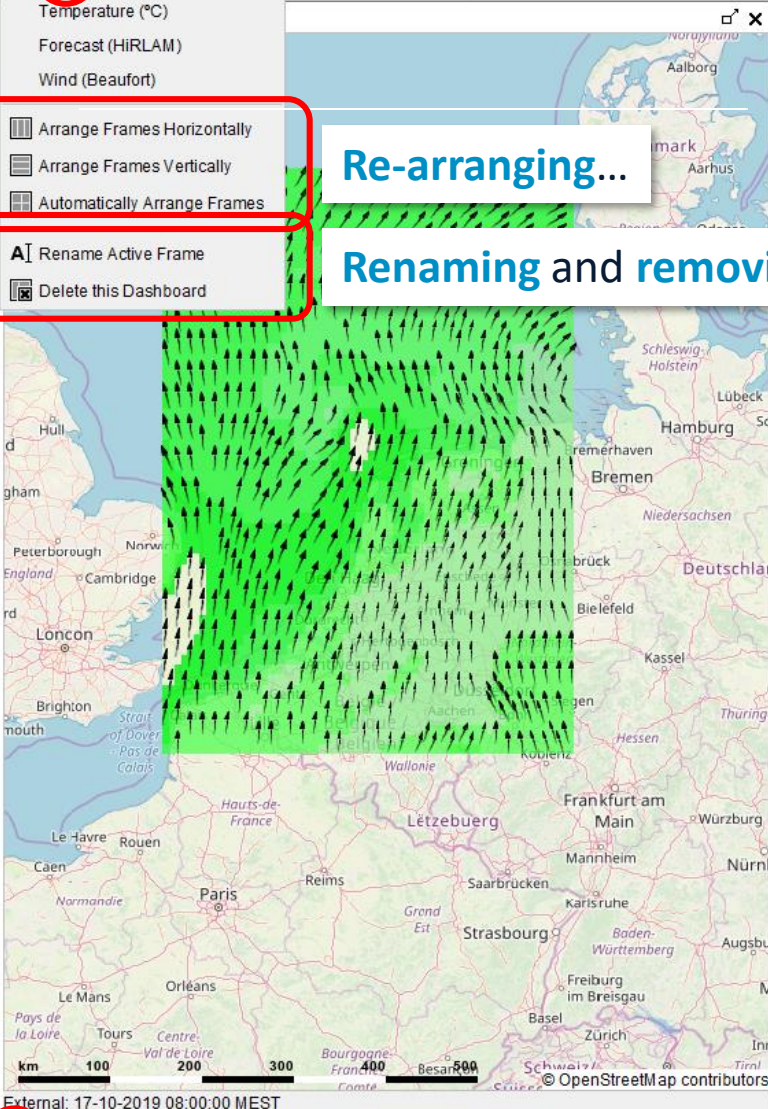
- Arrange Frames Horizontally
- Arrange Frames Vertically
- Automatically Arrange Frames

6 : Panel Viewer

- Rename Active Frame
- Delete this Dashboard

Re-arranging...

Renaming and removing...



Permission aware...

```

<predefinedDashboards>
  <dashboard name="Preconfigured Dashboard #1">
    <permission>Forecast</permission>
  </dashboard>
</predefinedDashboards>

```

External: 17-10-2019 08:00:00 MEST

200

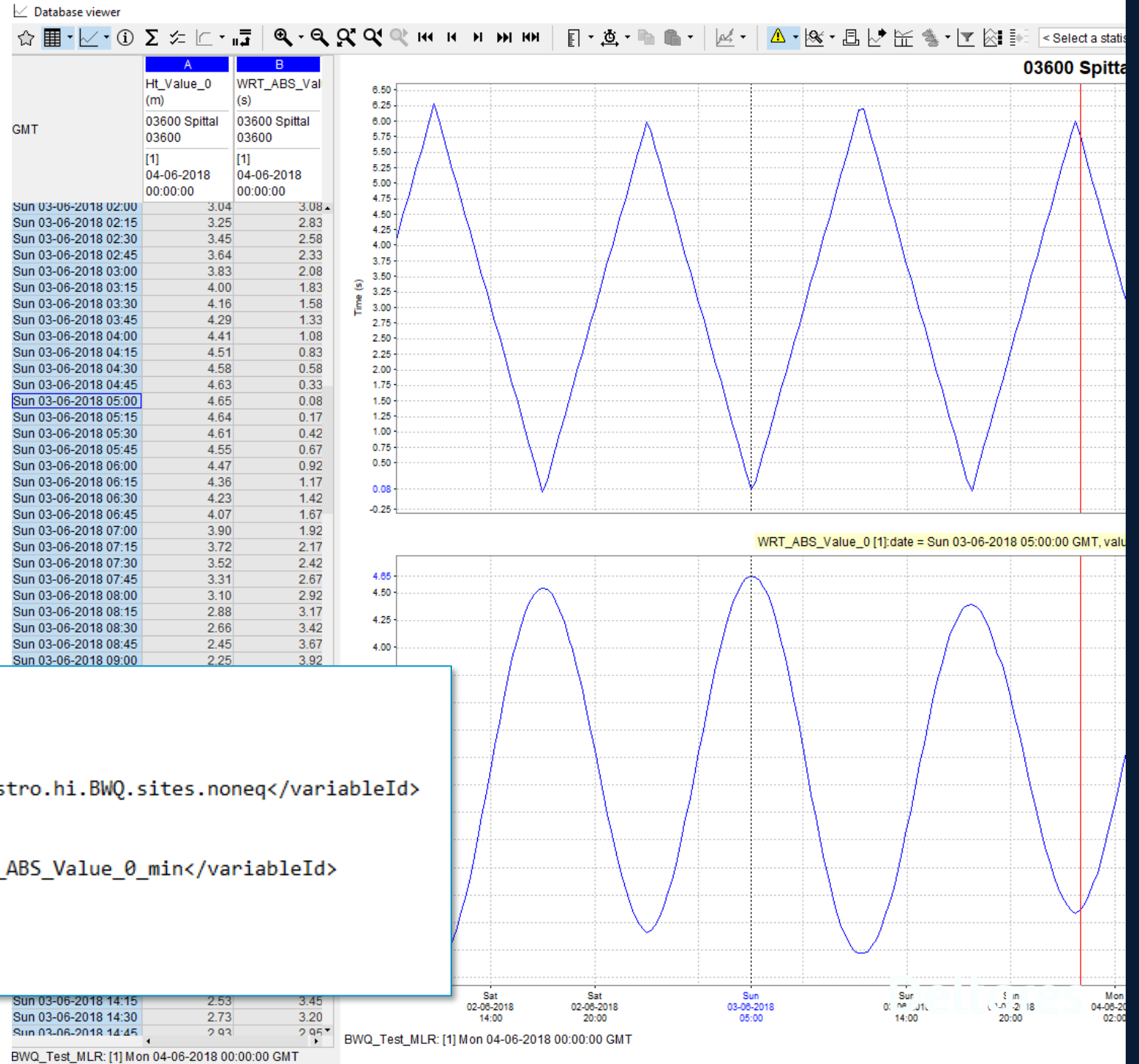
Synchronization option: times across frames

With 2019.02, I can...

calculate...

- The **time (in hours) before or after the next peak** for every timestep
- Purpose: time to a **high tide** or time to **landfall of a cyclone**...

```
<transformation id="WRT_ABS_min">
  <selection>
    <timeToSelection>
      <inputVariable>
        <variableId>H.astro.hi.BWQ.sites.noneq</variableId>
      </inputVariable>
      <outputVariable>
        <variableId>WRT_ABS_Value_0_min</variableId>
      </outputVariable>
    </timeToSelection>
  </selection>
</transformation>
```



With 2019.02, I can...

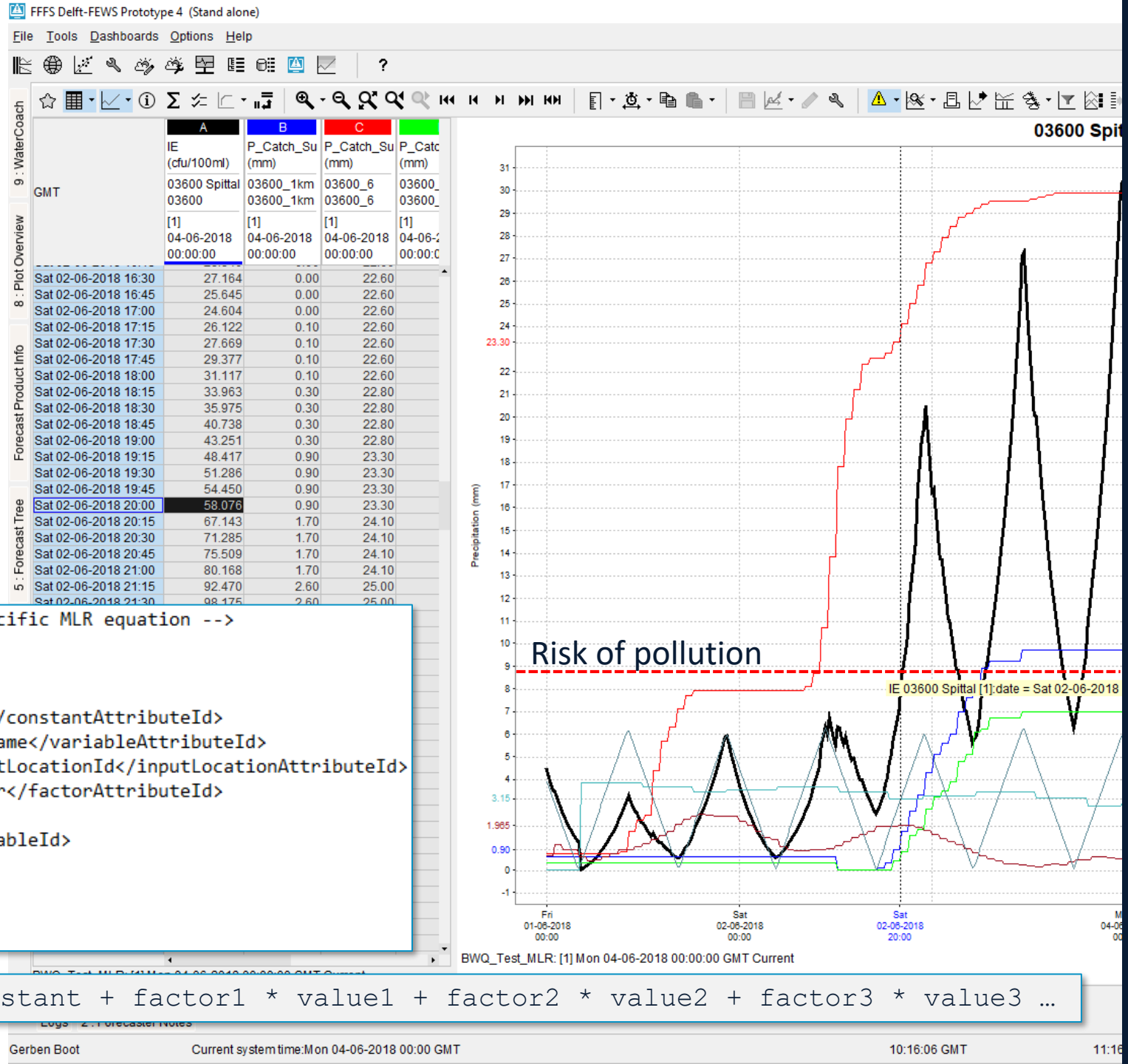
calculate...

- Output using a **multiple linear regression** formula
- Purpose: calculate the **risk of an occurrence** based on **different input** variables...

```

<!-- Calculate risk of pollution based on location-specific MLR equation -->
<transformation id="Risk.logIE">
  <multipleLocationAttributes>
    <multipleLinearRegression>
      <constantAttributeId>Constant</constantAttributeId>
      <variableAttributeId>VariableName</variableAttributeId>
      <inputLocationAttributeId>inputLocationId</inputLocationAttributeId>
      <factorAttributeId>WeightFactor</factorAttributeId>
      <outputVariable>
        <variableId>Risk</variableId>
      </outputVariable>
    </multipleLinearRegression>
  </multipleLocationAttributes>
</transformation>
  
```

$$Y = \text{constant} + \text{factor1} * \text{value1} + \text{factor2} * \text{value2} + \text{factor3} * \text{value3} \dots$$



With 2019.02, I can...

select...



- my **workflows** from a list now
- Provides **overview**...
- Saves a **click**...

The screenshot shows the Delft-FEWS software interface. On the left, a 'Workflow' tree is visible, with a red circle highlighting it. The tree is organized into several categories: National, Coastal Workflows, Birmingham, and Forecast Tree. Under 'Coastal Workflows', the 'Compute Coastal Reasonable Worst Case' workflow is highlighted in blue. A yellow tooltip is displayed over this workflow, showing its details: Id: ComputeCoastalRWC, Name: Compute Coastal Reasonable Worst Case, Description: Description: Compute Coastal Reasonable Worst Case, Scheduling allowed: true, Maximum scheduling time: :00, Minimum repeat time: :00, and Maximum number of runs: 1. The right side of the interface shows configuration options for the selected workflow, including 'What-if scenario' (None), 'Forecast description', 'Scheduler options' (Single forecast), 'State selection' (Warm state), 'Priority' (Normal), 'Forecasting shells' (Single), and 'Forecast length' (Default).

Workflow grouping using `<workflowNode>`...

With 2019.02, I can...

import...

- PI.XML files temporary **without configuration**...
- **Share** and **inspect** (PI.XML) files from other applications, institutes...
- **Future work: extend formats** to all supported **'interactive'** formats...

The screenshot displays the Delft-FEWS 2019.02 software interface. The main window shows a map of a region in the Netherlands with various data layers. A menu is open, and the 'Temporary Import...' option is highlighted with a red circle. Below the map, there are several data plots showing time-series data. A 'Temporary Import...' dialog box is open, showing a file selection interface with a 'Look In:' dropdown set to 'temp_import'. The dialog lists three files: 'Delen_bestand Peelkanalen.xml', 'hydrobiologie.xml', and 'kwaliteit.xml'. The 'Files of Type' is set to '*.xml files'. The 'File Name' field is empty, and the 'Open' button is visible. The bottom status bar shows the current system time as 17-10-2019 13:40 MEST and 16:46:55 CET.

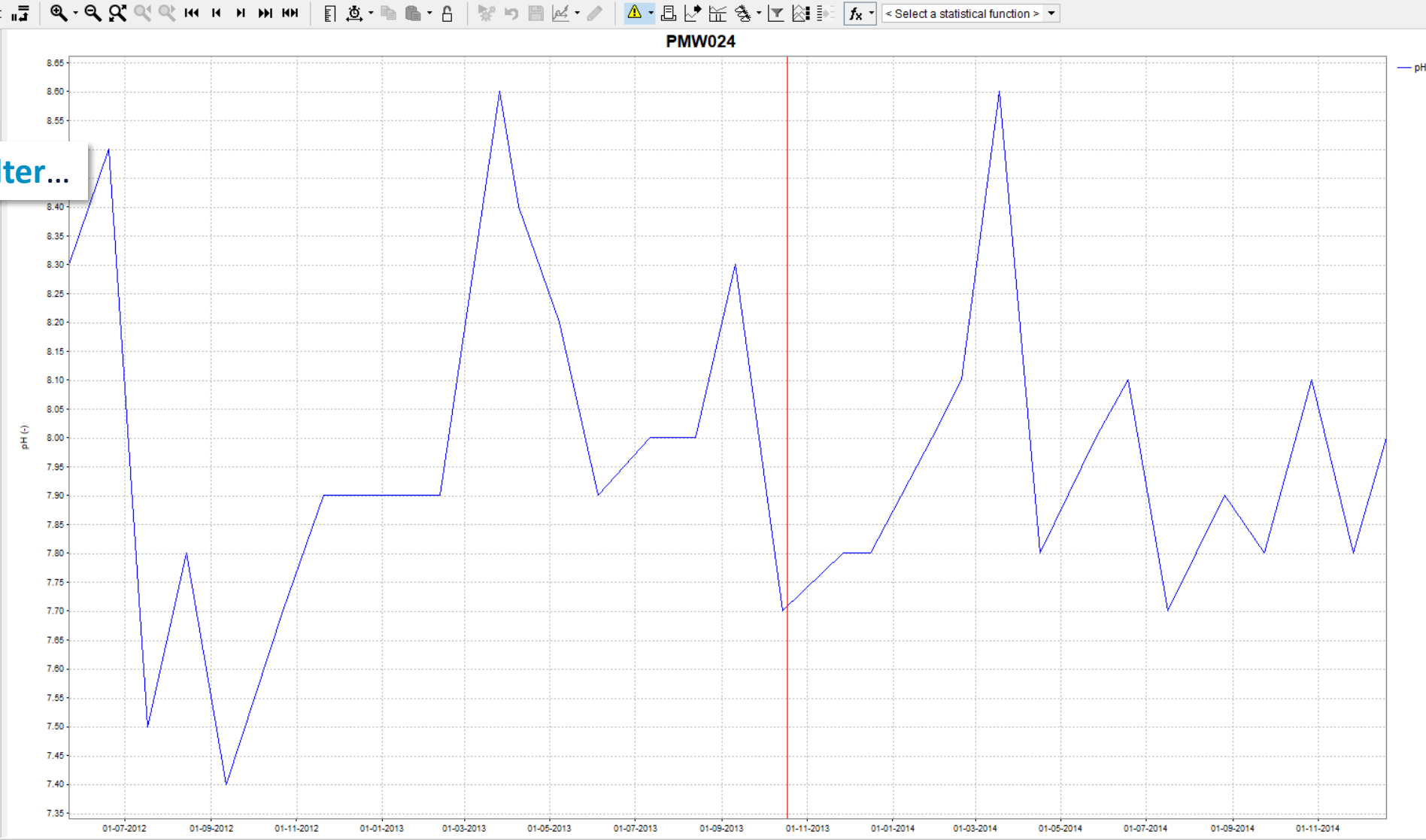
- 4: Attributes
 - Overzichten
 - Waterstanden
 - Meetlocaties
 - Deelgebieden
 - kwaliteit.xml**

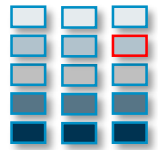
METMEST	pH (-)
22-05-2012 11:25	8.300
19-06-2012 12:05	8.500

Temporary filter...

- 6: Data Viewer
- PMW024
- PMW025
- PMW027
- PMW029
- PMW040
- PMW041
- PMW050
- PMW051
- PMW052
- PMW053
- PMW054
- PMW055
- PMW056
- PMW057
- PMW058
- PMW060
- PMW064
- PMW065
- PMW066
- PMW067
- PMW201
- Na_mg/l
- K_mg/l
- NH3_mgN/l_nf
- mmtn_ug/l
- CHLFA_ug/l_cryptofy
- Ptot_mgP/l
- Oami_ug/l
- ZICHT_m
- pH**
- imdcpd_ug/l
- metbtazm_ug/l
- penccrn_ug/l

22-10-2012 12:00	7.700
20-11-2012 10:50	7.900
11-02-2013 10:30	7.900
26-03-2013 11:00	8.600
08-04-2013 12:11	8.400
07-05-2013 12:47	8.200
04-06-2013 12:59	7.900
11-07-2013 12:45	8.000
13-08-2013 11:55	8.000
10-09-2013 11:55	8.300
14-10-2013 11:40	7.700
26-11-2013 11:05	7.800
16-12-2013 10:50	7.800
29-01-2014 11:30	8.000
19-02-2014 10:40	8.100
18-03-2014 10:30	8.600
16-04-2014 10:40	7.800
26-05-2014 11:40	8.000
18-06-2014 11:35	8.100
16-07-2014 11:55	7.700
26-08-2014 12:15	7.900
23-09-2014 11:20	7.800
27-10-2014 11:45	8.100
26-11-2014 10:40	7.800
19-12-2014 12:35	8.000





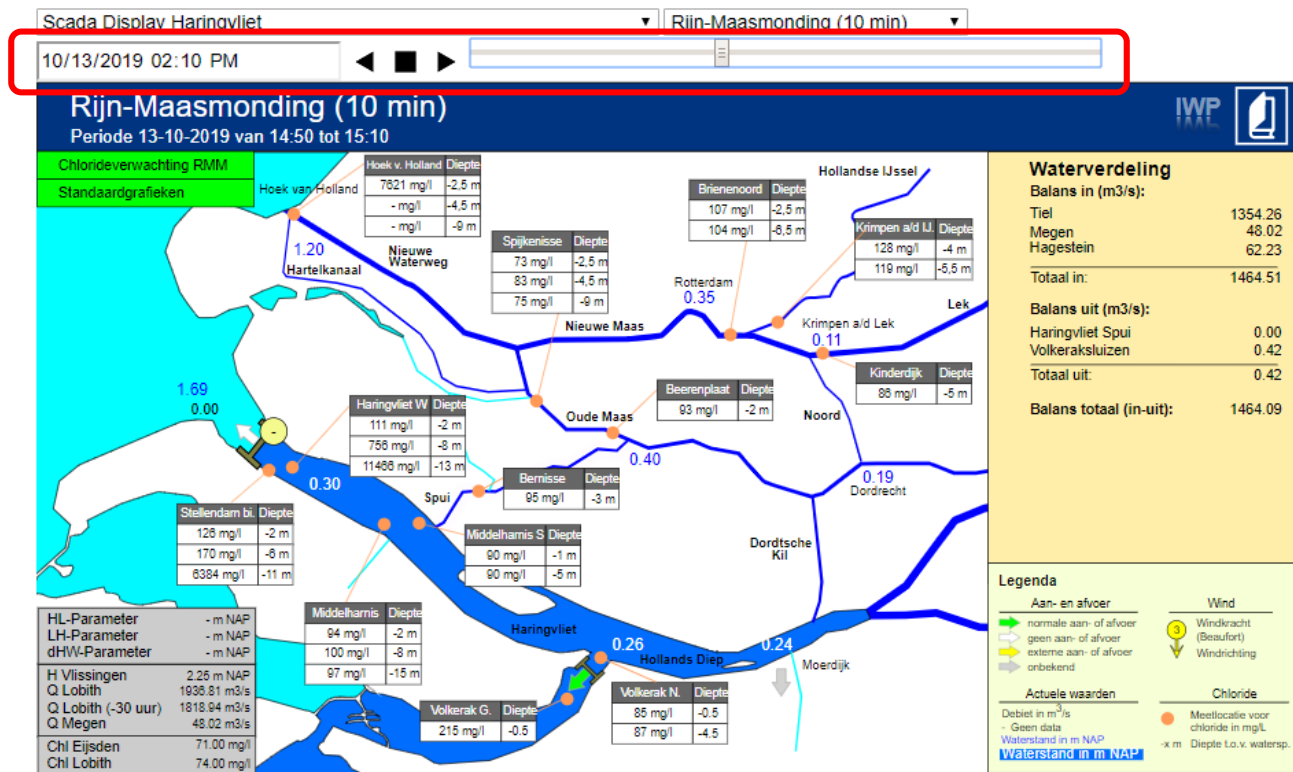
With 2019.02, I can...

share...

- My schematic status display panels on the web
- Timeslider...
- Drop-down lists for groups and panels...

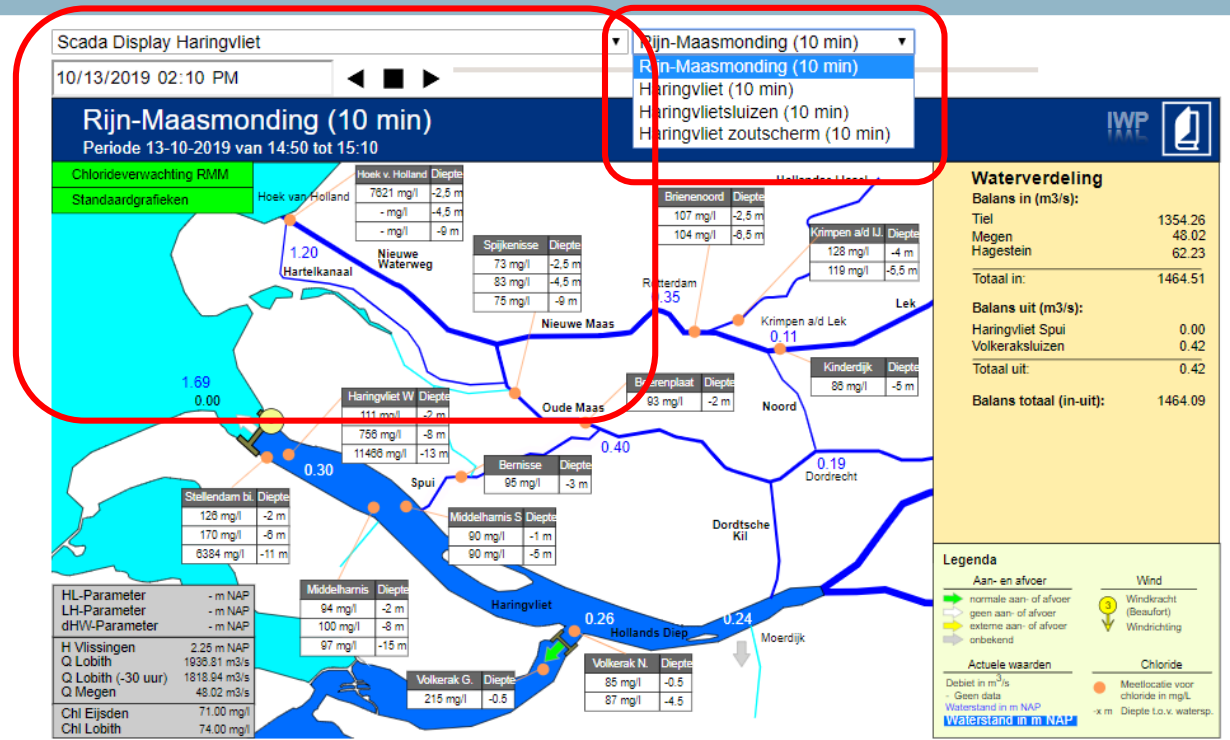


Delft-FEWS Schematic Status Display Service (SSD)





Delft-FEWS Schematic Status Display Service (SSD)



Copyright © Deltares 2017

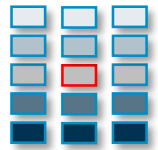
With 2019.02, I can...

export...

- General adapter: **Rating curves** with **comments** and option to export 'onlyLastAvailable' (GA)
- PI web service: **NetCDF export** including **zipping**

```
<exportRatingCurveActivity>  
  <exportFile>exportedRatingCurves.xml</exportFile>  
  <onlyLatestAvailable>true</onlyLatestAvailable>  
  <locationsetId>AllLocations</locationsetId>  
</exportRatingCurveActivity>
```

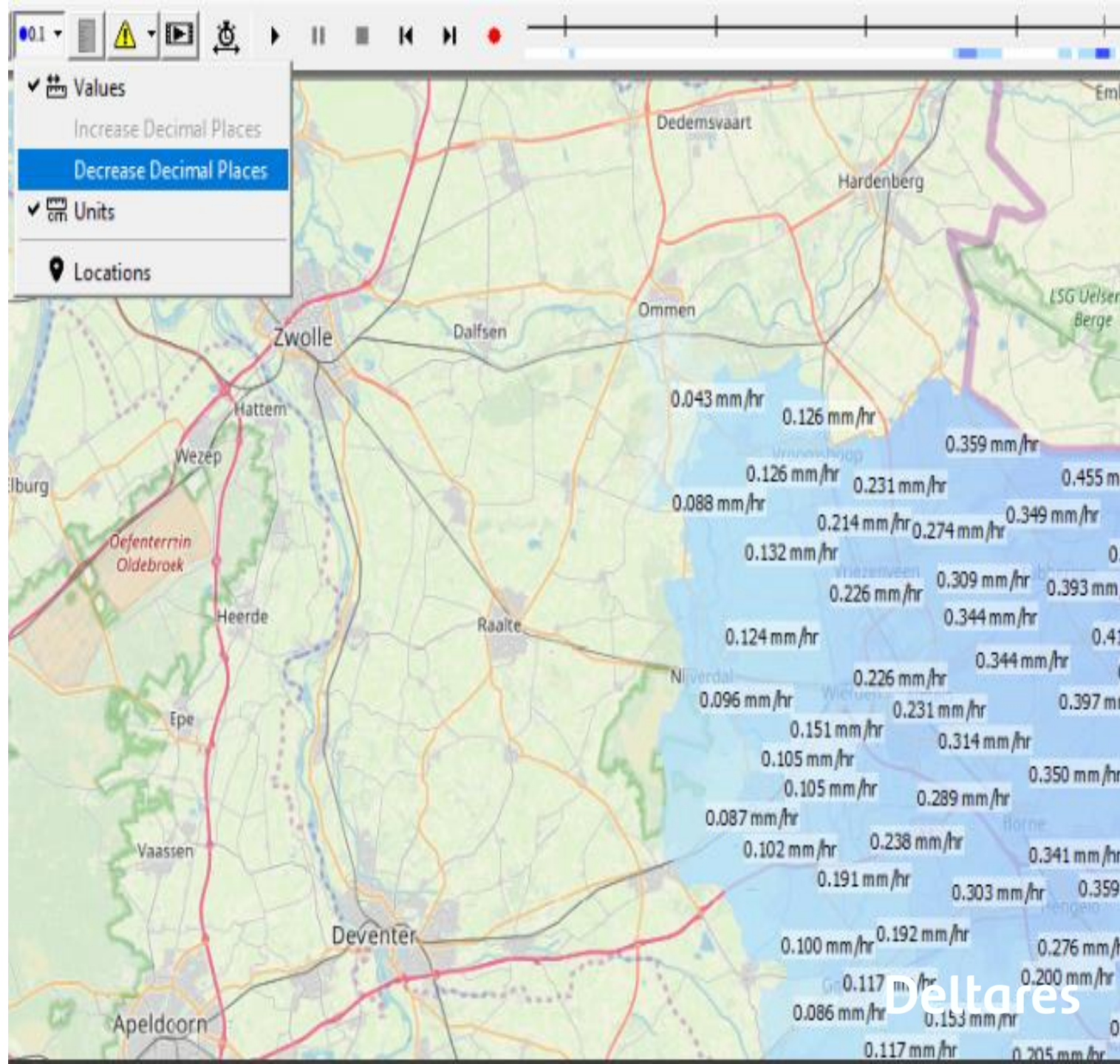
```
<?xml version="1.0" encoding="UTF-8"?>  
<RatingCurves xmlns="http://www.wldelft.nl/fews/PI" xmlns:xsi="http://www.w3.org/2001/XMLSchema-in-  
http://fews.wldelft.nl/schemas/version1.0/pi-schemas/pi_ratingcurves.xsd">  
  <timeZone>0.0</timeZone>  
  <ratingCurve>  
    <header>  
      <locationId>LocA</locationId>  
      <startDate date="2019-01-15" time="14:00:00"/>  
      <stationName>LocA</stationName>  
      <stageUnit>m</stageUnit>  
      <dischargeUnit>m3/s</dischargeUnit>  
      <comment>Table01</comment>  
    </header>  
    <table>  
      <interpolationMethod>linear</interpolationMethod>  
      <minStage>0</minStage>  
      <maxStage>2.23</maxStage>  
      <row stage="0" discharge="0"/>  
      <row stage="0.12" discharge="0.01"/>  
      <row stage="0.3" discharge="0.05"/>  
      <row stage="0.4" discharge="0.1"/>  
      <row stage="0.5" discharge="0.2"/>  
      <row stage="0.7" discharge="0.5"/>  
      <row stage="0.85" discharge="1"/>  
      <row stage="1.06" discharge="2"/>  
      <row stage="1.2" discharge="3"/>  
      <row stage="1.32" discharge="4.1"/>  
      <row stage="1.49" discharge="6.08"/>  
      <row stage="1.59" discharge="7.45"/>  
      <row stage="1.68" discharge="8.9"/>  
      <row stage="1.71" discharge="9.38"/>  
      <row stage="1.8" discharge="10.99"/>  
      <row stage="1.85" discharge="12.01"/>  
      <row stage="1.89" discharge="12.77"/>  
      <row stage="1.98" discharge="14.75"/>  
      <row stage="2.23" discharge="20.3"/>  
    </table>  
  </ratingCurve>  
</RatingCurves>
```



With 2019.02, I can...

change...

- the **number of decimals** in my labels

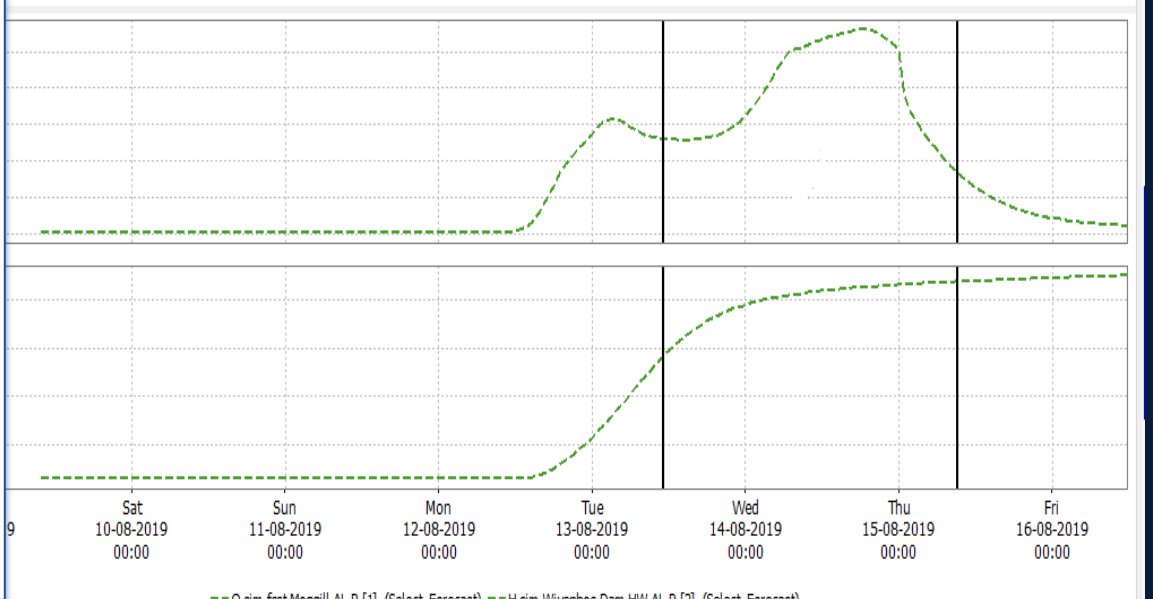
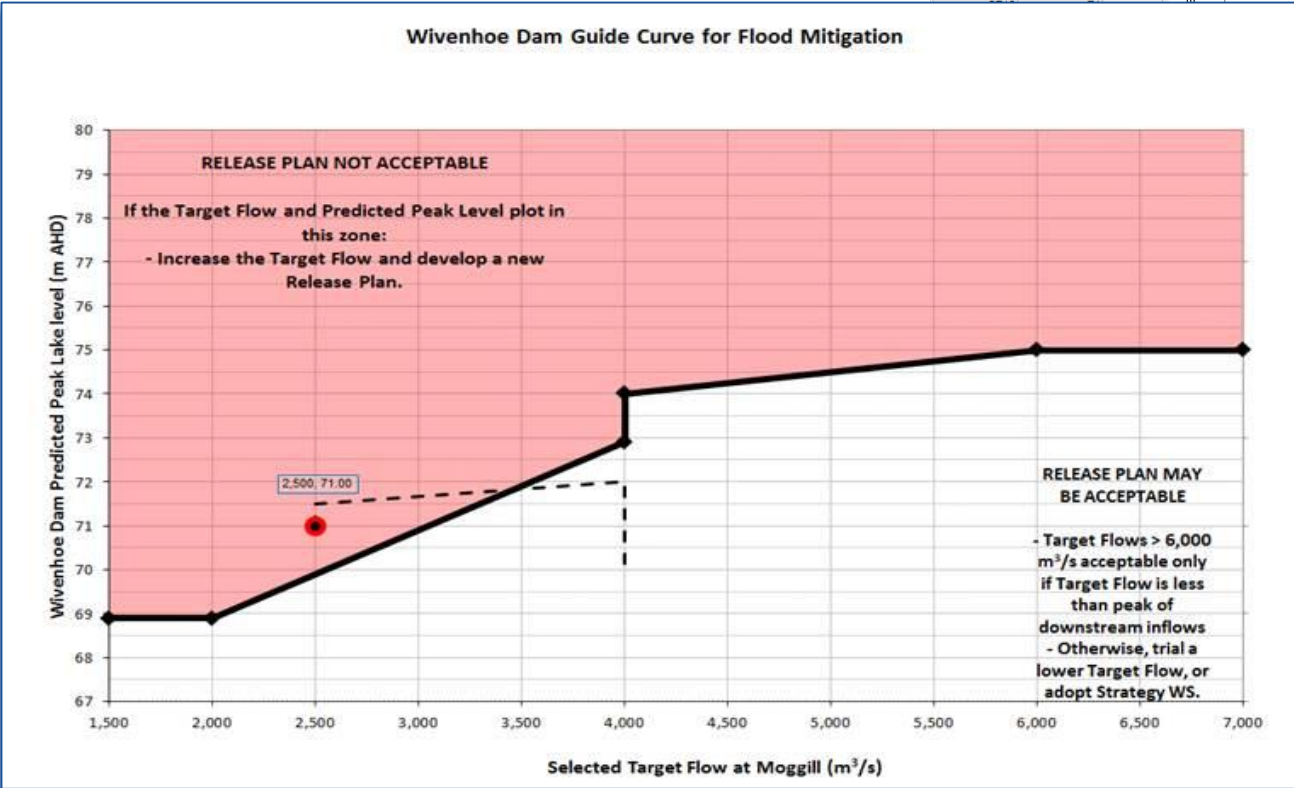
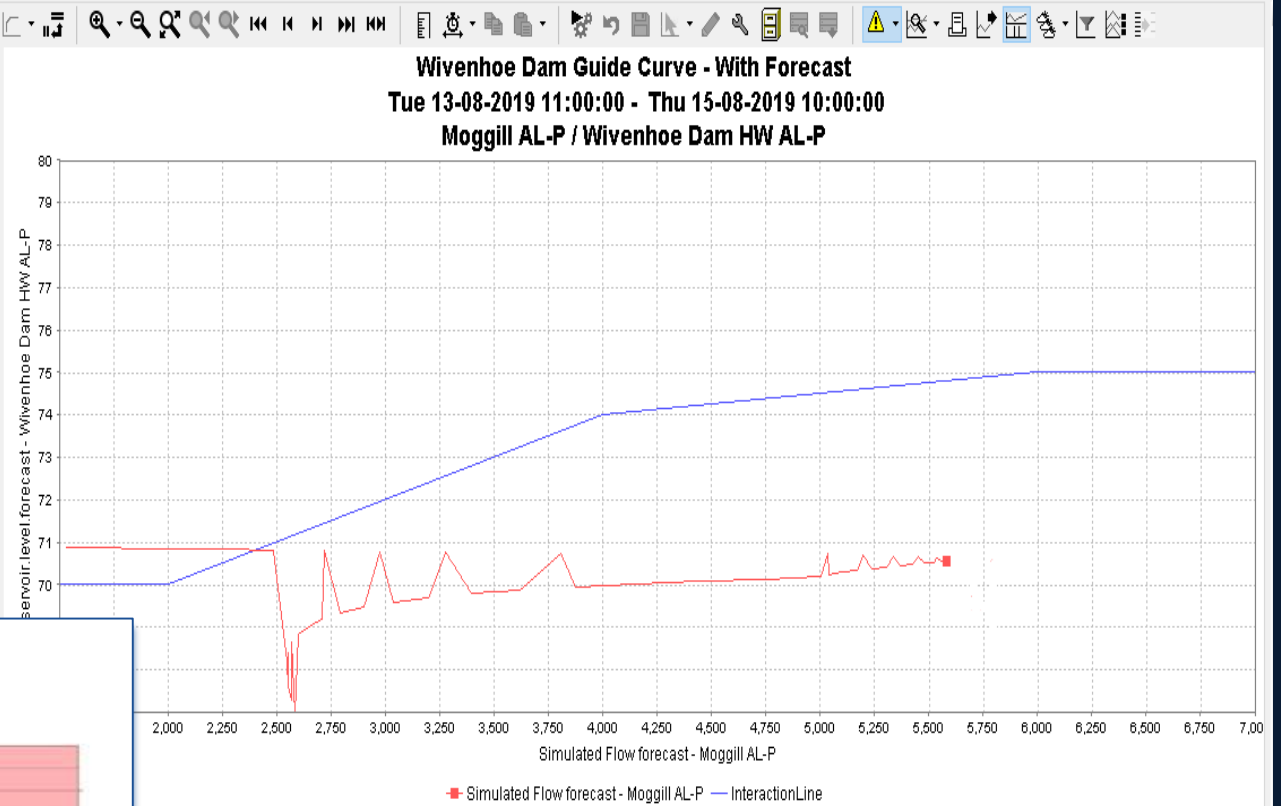


With 2019.02, I can...

include...

- Scatterplot for 2 locations with different parameters

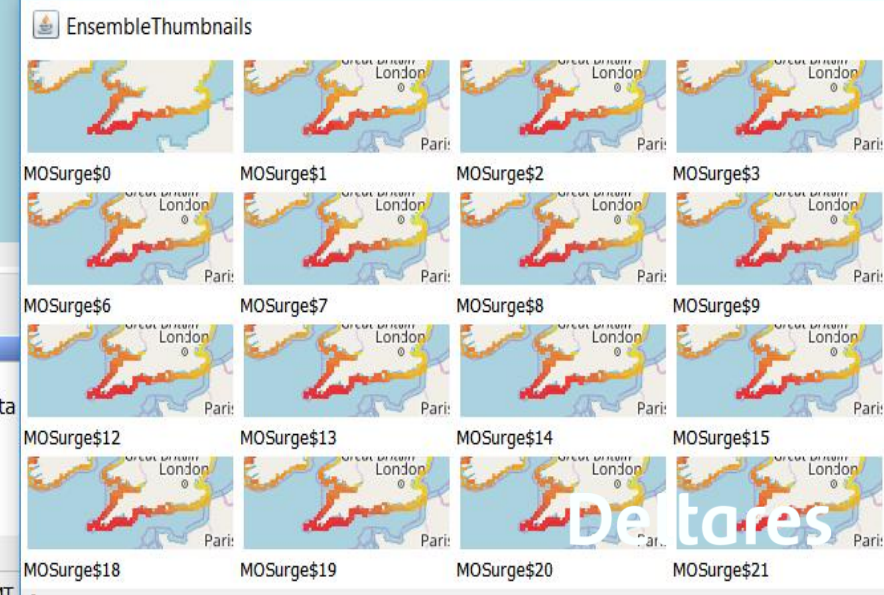
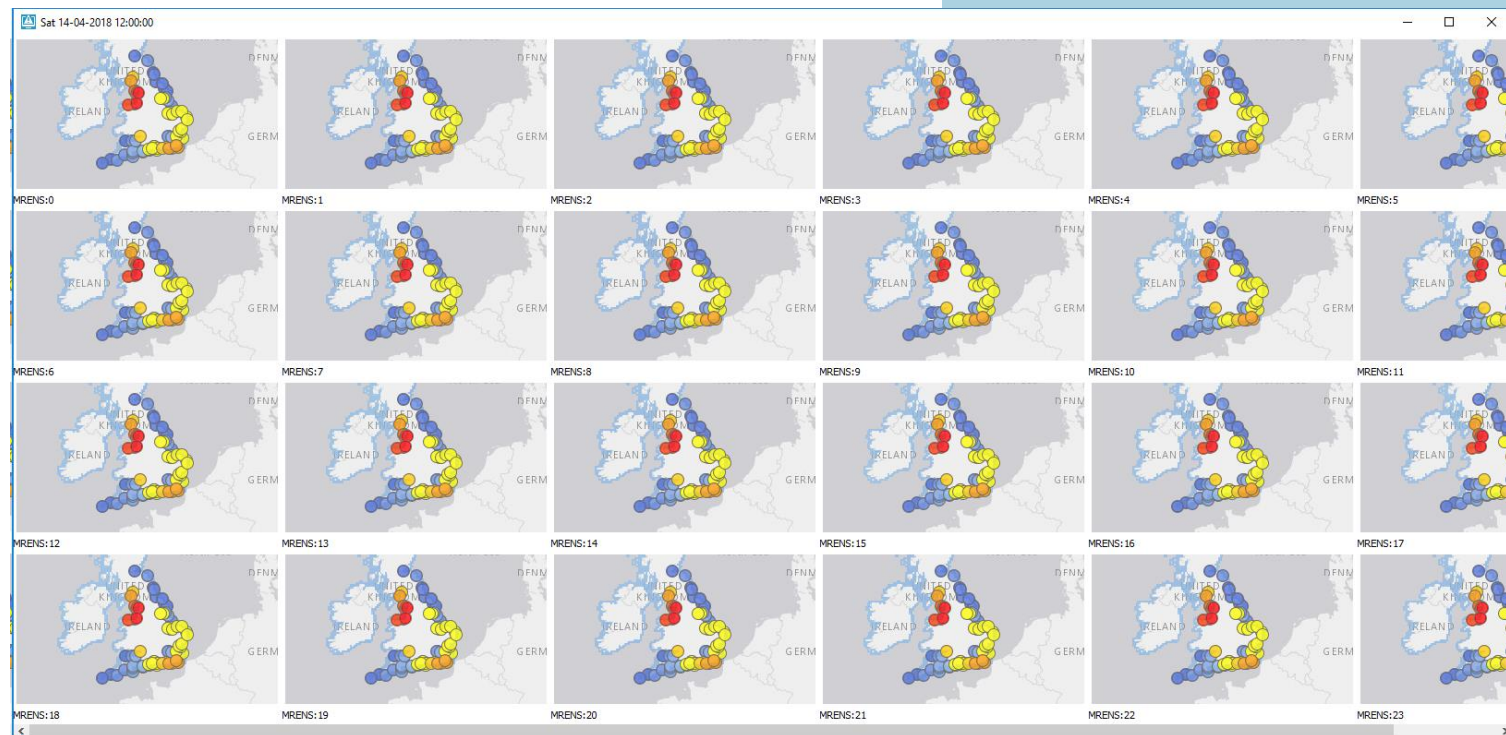
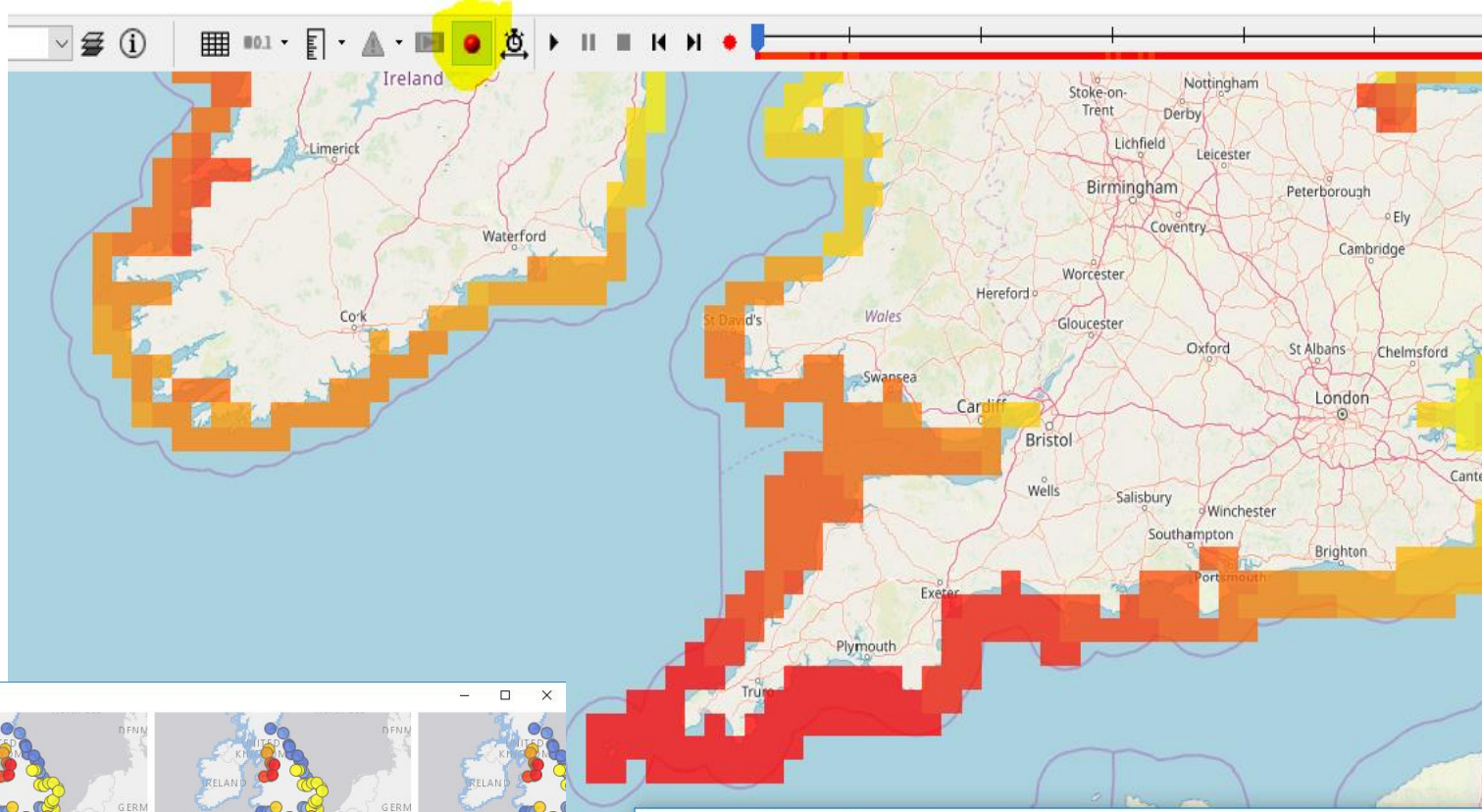
Simulated Flo (m ³ /s)	
1532	71
1698	71
1877	71
2066	71
2268	71
2485	71
2546	68
2547	68
2553	68
2555	68
2567	67
2570	69
2582	67
2599	69
2644	69
2708	69



With 2019.02, I can...

view...

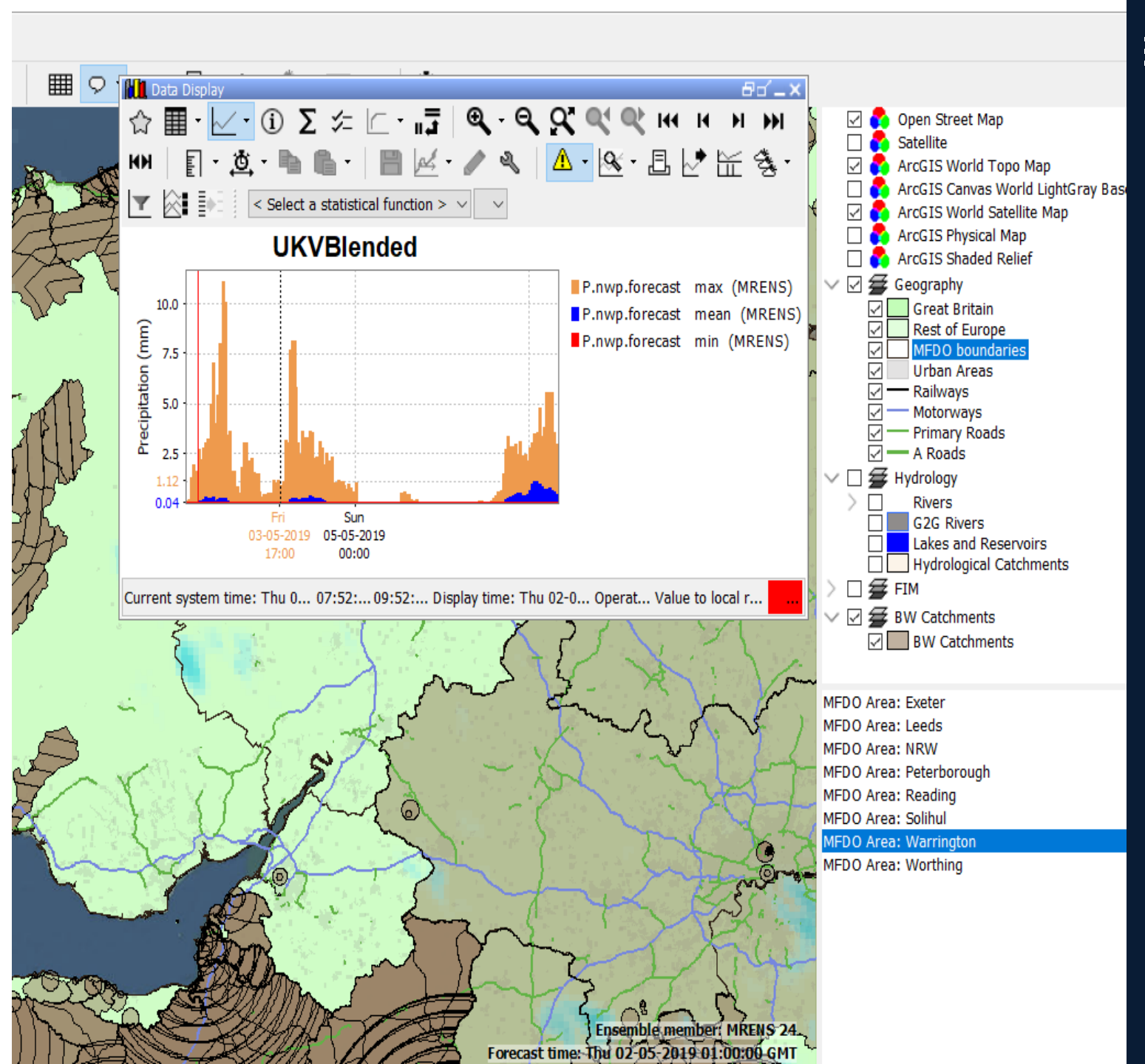
- Ensemble members sub plots in the Spatial thumbnails



With 2019.02, I can...

view...

- Ensemble members sub plots in the Spatial thumbnails
- Grid statistics on the fly for a polygon



With 2019.02, I can...

view...

- **Ensemble members sub plots** in the Spatial thumbnails
- **Grid statistics** on the fly for a polygon
- **Run times** of workflows in the admin interface





















































RDRD (Regge) - Scheduled Tasks

System Status < Forecast Tasks < Scheduled Tasks Running Tasks Workflow and FSSS < Files < User Administration < System Control < Software Management < Database Analysis < Documentation < Logout admin

Timezone: GMT © Deltares Build version: stable_2019.02 (89127) Build date: 30/10/2019 19:37

Filters + Schedule || Suspend ▶ Resume ✕ Cancel ⬇ Download ⬆ Upload

Search: ↻

Workflow Id	Actions	Tag	Priority	Interval	Next Due Time	Task Status	Latest Task Run Dispatch Time	Latest Task Run Status	Latest Task Run Time
Archive_Export	   		Normal	1d	02/11/2019 06:00:00	Pending	01/11/2019 06:00:01	Complete	18s
Database_Maintenance	   		Normal	days 1 9 17 25 of each month at 0:00	09/11/2019 00:00:00	Pending	01/11/2019 00:00:02	Complete	3m 56s
Export_Current	   	Datastore.NewCurrentRun	Normal	One-off task	06/11/2050 19:06:00	Suspended			
Export_FEWS_Vecht	   	Datastore.NewCurrentRun	Normal	One-off task	14/08/2050 13:40:00	Suspended			
Import_Data	   		Normal	15m	01/11/2019 11:05:00	Pending	01/11/2019 10:50:00	Complete	10s
Import_WIWB	   		Normal	5m	01/11/2019 11:05:00	Pending	01/11/2019 11:00:00	Complete	10s
Import_WIWB_dag	   		Normal	1d	02/11/2019 10:30:00	Pending	01/11/2019 10:30:00	Complete	9s
Import_WIWB_uur	   		Normal	1h	10/11/2019 11:10:00	Pending	31/10/2019 10:10:00	Terminated	
MC_SystemAlerter	   		Normal	One-off task	15/09/2050 05:49:00	Pending			
MC_SystemAlerter	   	SYSMON:Restarting	Normal	One-off task	31/03/2050 13:01:00	Suspended			
MC_SystemAlerter	   	SYSMON:FSSLost	Normal	One-off task	31/03/2050 14:30:00	Suspended			
Model_Performance	   		Normal	1d	02/11/2019 01:00:00	Pending	01/11/2019 01:00:00	Complete	4s
Sobek_Regge_Forecast	   		Normal	6h	01/11/2019 11:30:00	Pending	01/11/2019 05:30:00	Complete	12m 17s

With 2019.02, I can...

analyze...

- All changes via the admin interface and operator client in an **audit trail**

RDRD (Regge) - Logs

System Status <

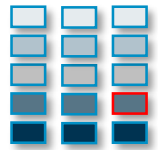
- Dashboard
- Master Controllers
- Forecasting Shell Servers
- View Logs
- Log Manager
- Collect System Log Files
- Forecast Tasks <
- Workflow and FSSs <
- Files <
- User Administration <
- System Control <
- Software Management <
- Database Analysis <
- Documentation <
- Logout Marcel Ververs

Timezone: GMT
© Deltares
Build version: stable_2019.02 (89127)
Build date: 30/10/2019 19:37

Entry date from GMT [calendar] Build Syslog Log Level Info
Entry date to GMT [calendar] Source Text

Show 50 entries [Download logs] [x] [refresh] [search]

Code	Entry Time	Level	Source	Text	Build
SYSLOG.AI.AddWorkflowFssGroupMapping	01/11/2019 11:20:35	INFO	MC RDREMC00:000799489	Marcel Ververs - Added FSS Group 'sobek' mapping to workflowid: 'Database_Maintenance'	89127
SYSLOG.AI.AddWorkflowFssGroupMapping	01/11/2019 11:20:27	INFO	MC RDREMC00:000799489	Marcel Ververs - Added FSS Group 'sobek' mapping to workflowid: 'Export_Current'	89127
SYSLOG.AI.ResumeScheduledTask.Sobek_Regge_Forecast	01/11/2019 11:19:47	INFO	MC RDREMC00:000799489	Marcel Ververs - Resumed task with id: 'RDREMC00:0000469'	89127
SYSLOG.AI.AddUser	01/11/2019 11:18:09	INFO	MC RDREMC00:000799489	admin - Added user: UserData(userId=null, mclid='RDREMC00', userName='Marcel Ververs', userDisplay...	89127
SYSLOG.AI.EditFssGroup	01/11/2019 11:16:14	INFO	MC RDREMC00:000799489	admin - Edited FSS Group: FssGroupData(fssGroupId='windows', fssGroupName='windows', description=...	89127
SYSLOG.AI.EditFssGroup	01/11/2019 11:16:10	INFO	MC RDREMC00:000799489	admin - Edited FSS Group: FssGroupData(fssGroupId='sobek', fssGroupName='sobek fss', description=...	89127
SYSLOG.AI.DeleteWorkflowFssGroupMapping	01/11/2019 11:15:57	INFO	MC RDREMC00:000799489	admin - Deleted FSS Group 'windows' mapping to workflowid: 'Import_WIWB'	89127
SYSLOG.AI.DeleteWorkflowFssGroupMapping	01/11/2019 11:15:56	INFO	MC RDREMC00:000799489	admin - Deleted FSS Group 'windows' mapping to workflowid: 'Export_FEWS_Vecht'	89127
SYSLOG.AI.AddWorkflowFssGroupMapping	01/11/2019 11:13:50	INFO	MC RDREMC00:000799489	admin - Added FSS Group 'windows' mapping to workflowid: 'Import_WIWB'	89127
SYSLOG.AI.AddWorkflowFssGroupMapping	01/11/2019 11:13:40	INFO	MC RDREMC00:000799489	admin - Added FSS Group 'windows' mapping to workflowid: 'Export_FEWS_Vecht'	89127
SYSLOG.AI.DeleteWorkflowFssGroupMapping	01/11/2019 11:13:39	INFO	MC RDREMC00:000799489	admin - Deleted FSS Group 'sobek' mapping to workflowid: 'Export_FEWS_Vecht'	89127
SYSLOG.AI.DeleteWorkflowFssGroupMapping	01/11/2019 11:13:35	INFO	MC RDREMC00:000799489	admin - Deleted FSS Group 'windows' mapping to workflowid: 'Export_FEWS_Vecht'	89127
SYSLOG.AI.AddWorkflowFssGroupMapping	01/11/2019 11:13:31	INFO	MC RDREMC00:000799489	admin - Added FSS Group 'windows' mapping to workflowid: 'Export_FEWS_Vecht'	89127
SYSLOG.AI.AddWorkflowFssGroupMapping	01/11/2019 11:13:30	INFO	MC RDREMC00:000799489	admin - Added FSS Group 'sobek' mapping to workflowid: 'Export_FEWS_Vecht'	89127
SYSLOG.AI.EditFssGroup	01/11/2019 11:13:17	INFO	MC RDREMC00:000799489	admin - Edited FSS Group: FssGroupData(fssGroupId='windows',	89127



With 2019.02, I can...

manage...

- my **workflow mappings** much easier

RDRD (Regge) - Workflow FSS Groups Mappings

System Status < Forecast Tasks < Workflow and FSSs <

Workflows < Workflow FSS Groups Mapping < FSS Groups < Event and Actions <

Files < User Administration < System Control < Software Management < Database Analysis < Documentation < Logout admin

Timezone: GMT © Deltares Build version: stable_2019.02 (89127) Build date: 30/10/2019 19:37

Download Upload Delete

Search:

Workflow ⓘ	sobek	windows
Archive_Export	<input type="checkbox"/>	<input type="checkbox"/>
Archive_Snapshot	<input type="checkbox"/>	<input type="checkbox"/>
Database_Maintenance	<input type="checkbox"/>	<input type="checkbox"/>
Export_Current	<input type="checkbox"/>	<input type="checkbox"/>
Export_FEWS_Vecht	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Import_Archive	<input type="checkbox"/>	<input type="checkbox"/>
Import_Archive_Forecast	<input type="checkbox"/>	<input type="checkbox"/>
Import_Data	<input type="checkbox"/>	<input type="checkbox"/>
Import_WIWB	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Import_WIWB_dag	<input type="checkbox"/>	<input type="checkbox"/>
Import_WIWB_uur	<input type="checkbox"/>	<input type="checkbox"/>
Model_Performance	<input type="checkbox"/>	<input type="checkbox"/>
Regge_FloodMap_12h	<input type="checkbox"/>	<input type="checkbox"/>
Sobek_Regge_FastForecast	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sobek_Regge_Forecast	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sobek_Regge_Historical	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Showing 1 to 16 of 16 entries

With 2019.02, I can...

visualize...

- Thresholds in the Forecast tree

The screenshot displays the FFFS Delft-FEWS Prototype 4 (Stand alone) software interface. The main window shows a map of the United Kingdom with numerous forecast locations marked by colored triangles (blue, green, red, yellow) across the country. The left sidebar contains a 'Forecast Tree' with a hierarchical structure of information sources and forecast locations. The tree is expanded to show 'Fluvial' forecast locations for several regions, including Birmingham, Exeter, Leeds, Peterborough, Reading, Worthing, and Thames Barrier. The map includes a scale bar (0-250 km) and a north arrow. The bottom status bar shows the current system time as Tue 28-05-2019 10:45 GMT and other system metrics.

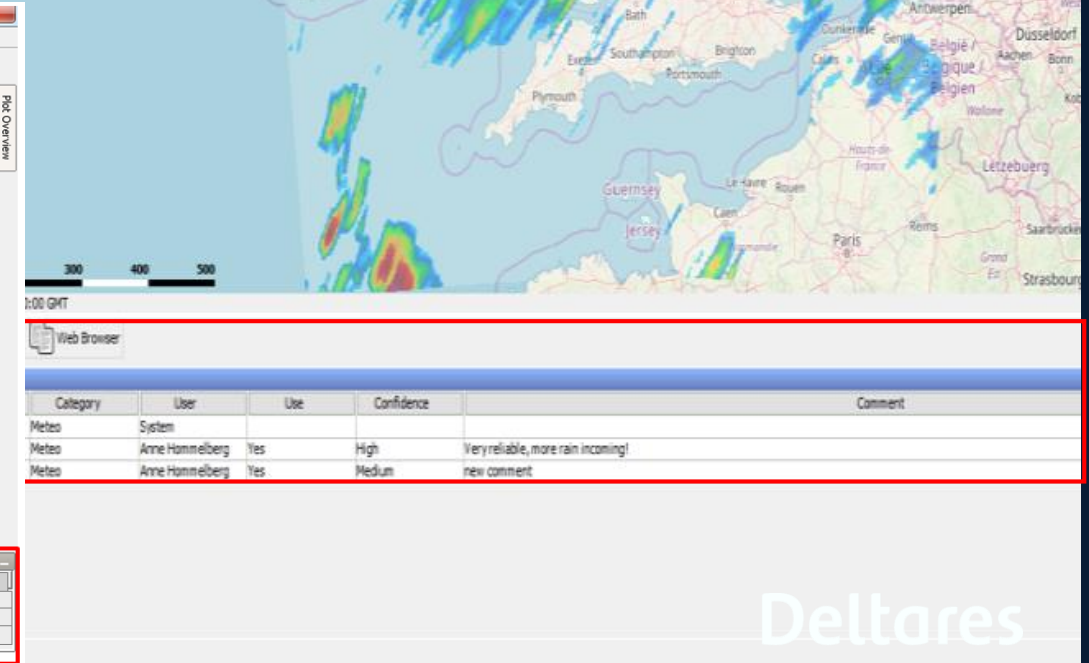
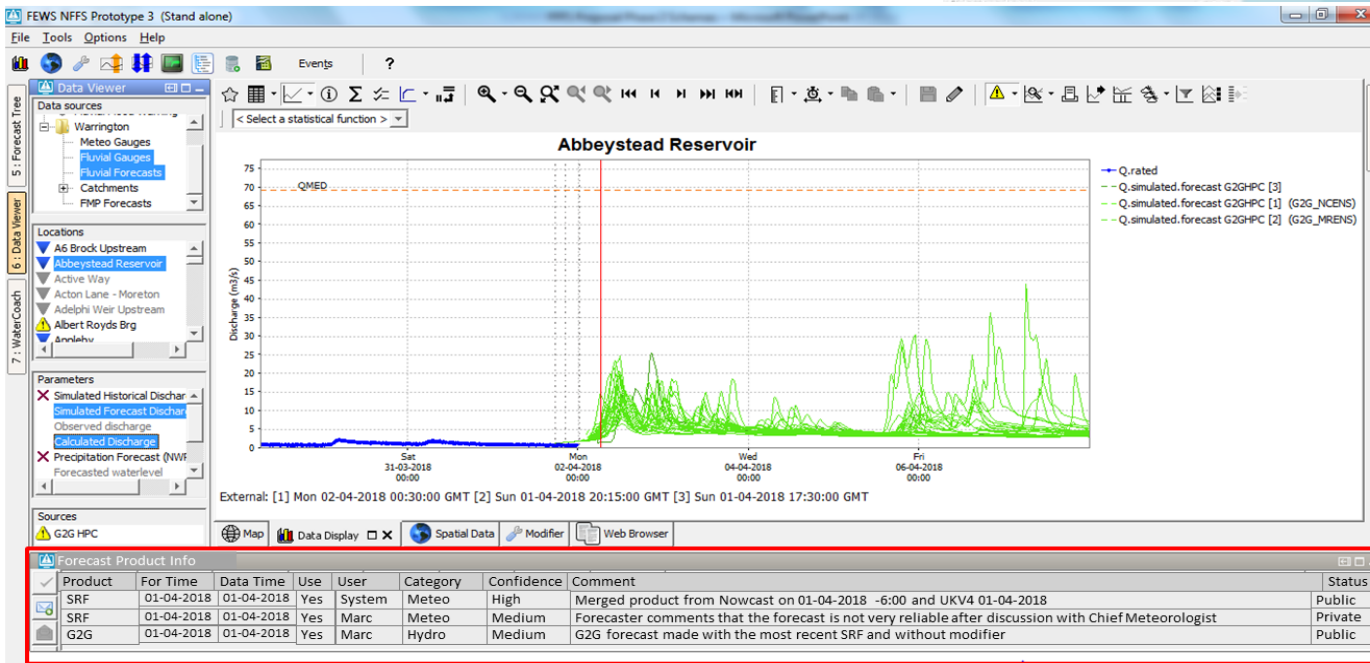
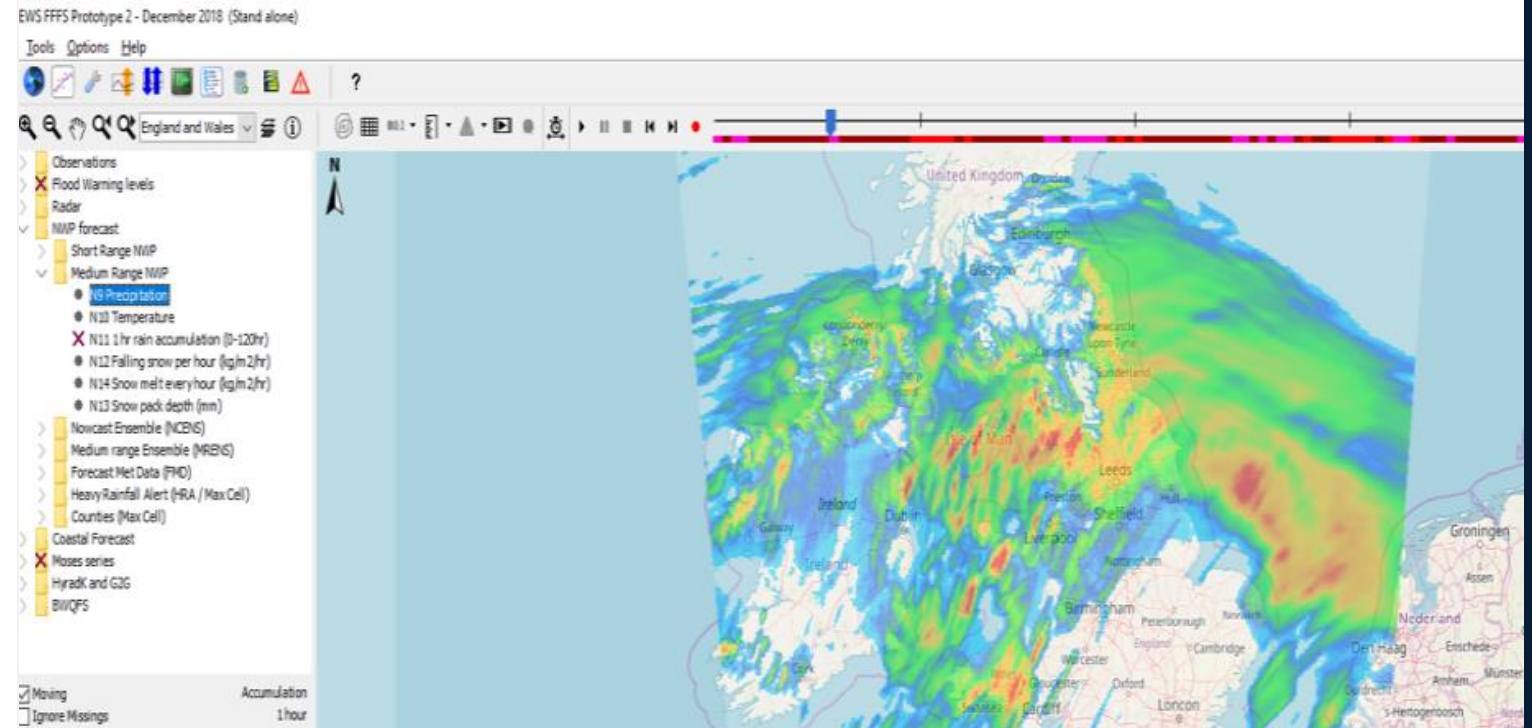
Forecast Tree Structure:

- Information Sources
 - Delft-FEWS
 - FFFS
- Import and Process Operational Data
 - Coastal forecasting
- Birmingham
 - Fluvial
 - Forecast Locations
 - DNL MFDO
 - SHWG MFDO
 - SWMM MFDO
 - Modelling
 - G2G - MFDO View
- Exeter
 - Coastal
 - Fluvial
 - Forecast Locations
 - Modelling
 - Groundwater
 - G2G - MFDO View
- Leeds
 - Coastal
 - Fluvial
 - Forecast Locations
 - Modelling
 - G2G - MFDO View
- Peterborough
- Reading
- Warrington
- Worthing
 - Coastal
 - Fluvial
 - Groundwater
 - G2G - MFDO View
- Thames_Barrier
- FFC
- Bathing Water Quality
- IMFS System Maintenance

With 2019.02, I can...

create...

- Product Information in a panel



With 2019.02, I can...

modify...

- Spatially...

Create new spatial modifier

Summary
N9 Precipitation (T0: Tue 16-04-2019 13:00:00) - from Fri 19-04-2019 12:00:00 to Fri 19-04-2019 19:00:00 (1 parts, 5 points)

Modifier Properties
Name N9 Precipitation (T0: Tue 16-04-2019 13:00:00)
Priority 1

Validity
Please select when the new modifier should be valid
 Only valid for current forecast
 Always valid

OK Cancel

FFFS Delft-FEWS Prototype 4 (Stand alone)

File Tools Dashboards Options Help

England and Wales

Forecast Product Info

- Coastal
- Fluvial and Estuarine
- Observations
- Forecast Grids
- Rainfall Products and Tools
 - Heavy Rainfall Alert (CatAvg)
 - Heavy Rainfall Alert (CatMax)
 - Rainfall Threshold Exceedence (CatAvg)
 - Rainfall Threshold Exceedence (CatMax)
 - Rainfall Forecast Summary (BE)
 - Rainfall Forecast Summary (RWC)
 - Hydromet BE and RWC
 - Best Estimate Precipitation (Compos)
 - BE Hydromet precipitation (Current)
 - RWC Hydromet precipitation (Compos)
 - RWC Hydromet precipitation (Current)
- Precipitation ensembles
- Forecast Grids UKV (Test)
- G2G
- Flood Warning levels
- BWQFS

External: Tue 28-05-2019 00:00:00 GMT

0.3...1.5 (1 parts, 9 points) - I have a very insightful comment about this...

Logs 2: Forecaster Notes

Anne Hommelberg Current system time: Fri 23-08-2019 07:30 GMT 09:55:01 GMT 10:55:01 CET Stand alone 645297, -138353 0.0 MB/s 470 MB



Outlook 2020...

- **Features** planned...
 - Archive: Search & download (Reference Web Application)
 - Web services: extended SVG (Schematic Status Display)
 - Web services: extended WMS
 - Master controller / Admin Interface
 - Model adapters...
 - Delft-FEWS 2025 – annual roadmap 2020 (e.g. design Web Operator Client, Scenario management)
- **Functionalities removed** in the coming years...

2020.01	2020.02	2021.01	2021.02
PRTF display Trend display Lookup display 2 nd map display (zoom) Long. Profile display	Old synchronization code Old archiving module TransformationSets (prep) Embedded PI service (prep)	Embedded PI service (removal) 'What-if' scenarios (only if alternative is available)	TransformationSets InterpolationSets LookUpSets PerformanceIndicatorSets



Delft-FEWS International User Days 2019

Thank you for your attention!



fews-pm@deltares.nl



www.delft-fews.com

