

Deltares

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The screenshot displays the MeteoSystem software interface. On the left, a sidebar lists various data sources like 'Aankomst', 'Aankomst_Cat', 'Aankomst_Cat2', etc. The main window is divided into several panes. The top pane shows a list of 'Mod type' and 'Name' for different calibration models. Below this, there's a 'Create mod' button and a 'Mod type' dropdown. The bottom pane shows a table of 'Parameter' and 'Value' for the selected model. On the right, a weather map is visible, showing a red area indicating a specific weather condition. A large, semi-transparent 'webinar' watermark is overlaid diagonally across the center of the image.

Deltares

Delft-FEWS

2021.02

New Features Webinar



Erik Pelgrim and Gerben Boot

Webinar Format – Programme

- Welcome & introductions
- Introduction to topic + pre-recorded videos
 - **Auto-calibration with Delft-FEWS and OpenDA**
 - **Creating better plots and attractive icons**
 - **Spotlight on the Import Module**
- Q&A session (via Questions panel)
- Concluding remarks



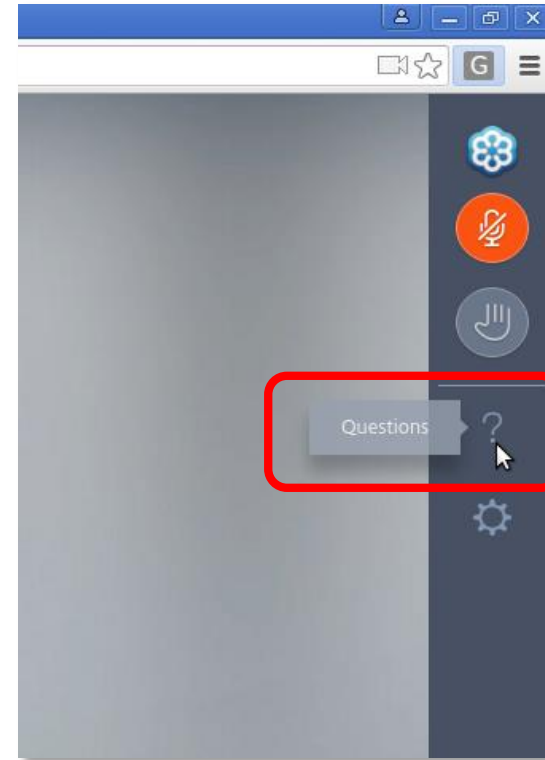
-- 2 min break --

- Informal / interactive Q&A session (via Questions panel AND microphone, on request)

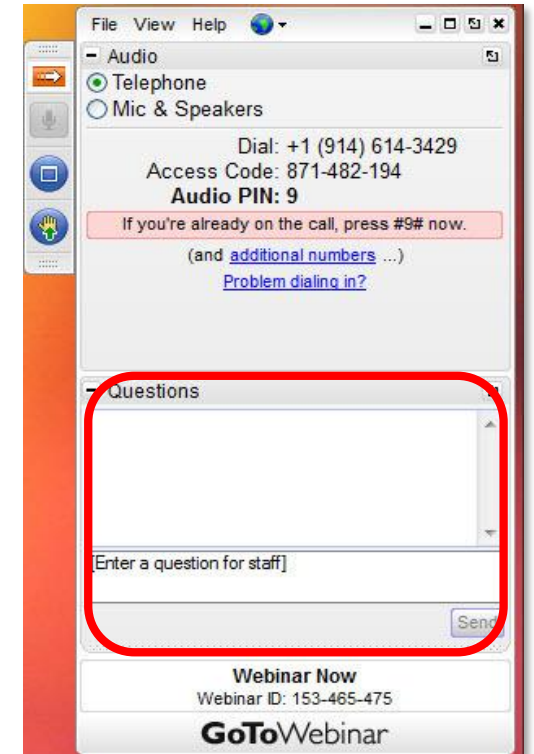


Webinar Format – How to Ask Questions

- You can type in **questions** at any point during the webinar.
- We'll answer the text questions through the webinar and afterwards.
- First hour is recorded, after that 30 minutes of more informal Q&A
- If you can't hear me now, try restarting your audio device or using one without Bluetooth.



Web Interface



Desktop

Brief Introduction of the Deltares Team

hosts



Erik Pelgrim



Gerben Boot

videos by



Erik Pelgrim

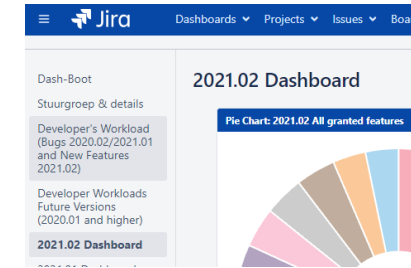


Martijn Kwant



Boyan Domhof

Delft-FEWS 2021.02 Benchmarks



142 new features



283* bugs repaired



13 new import modules



18 new features in FEWS-webservices



6 improvements to the admin interface



6 new features in timeseries display



6 new data transformations



9 new features in the FEWS Explorer



6 new export modules



5 improvements to the open archive



1 new display

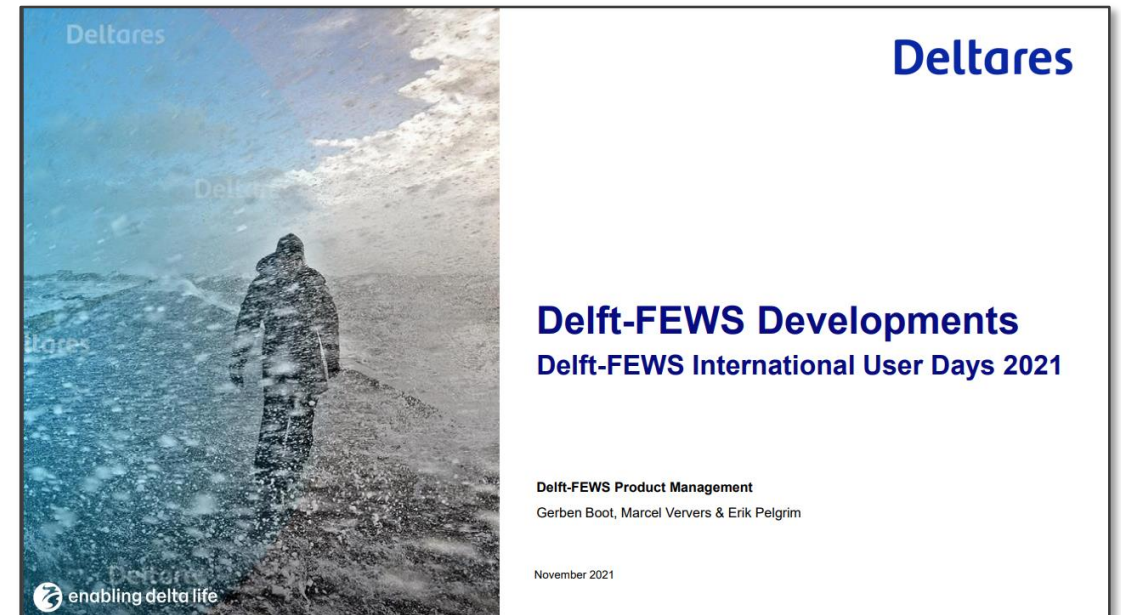
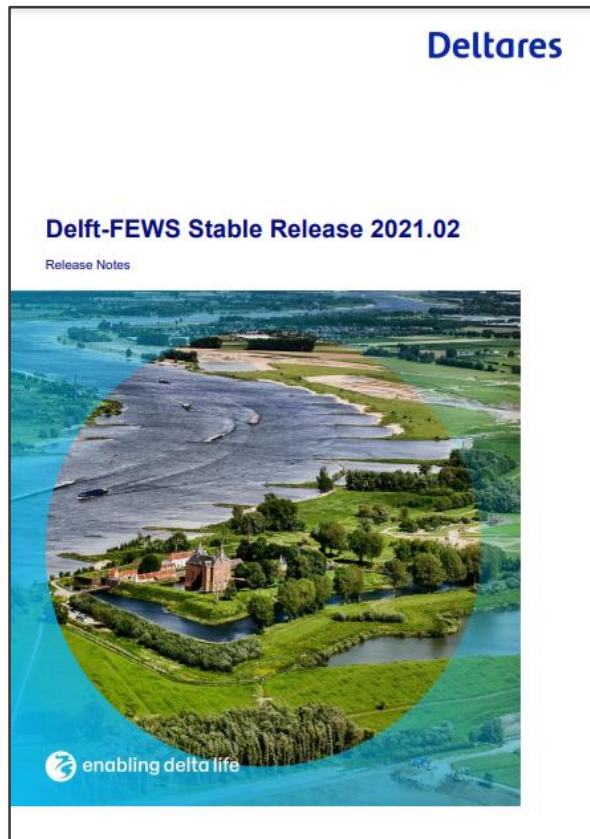


1 improved/matured concept (CF)

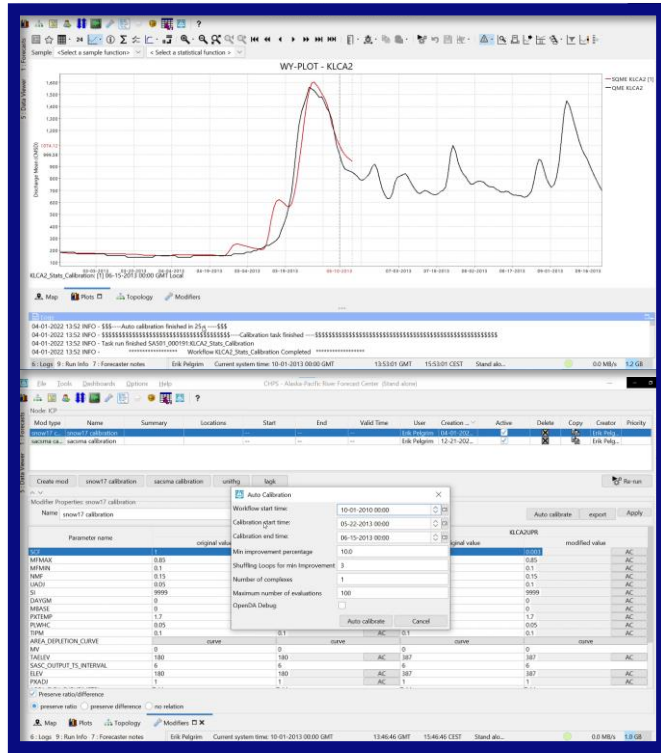
(*majority of bugs found and resolved during testing)

More info on the complete Delft-FEWS 2021.02

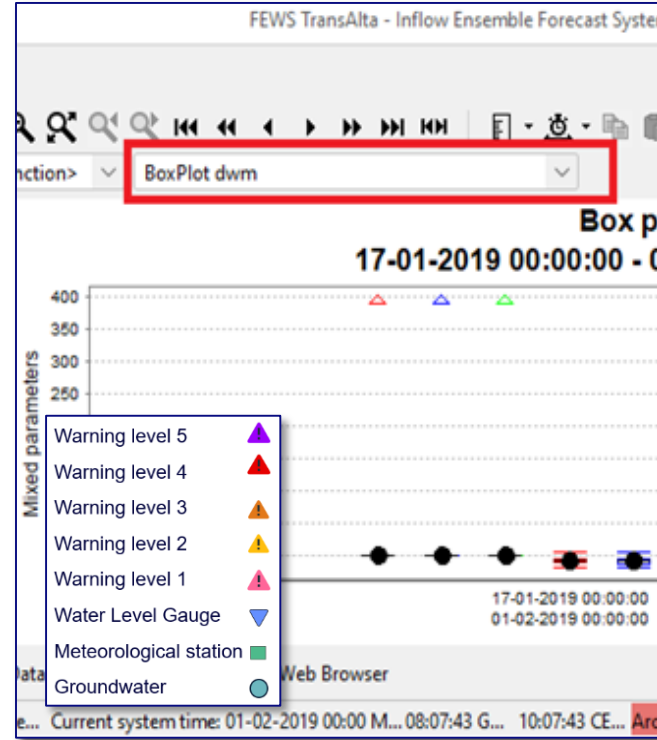
- [Delft-FEWS 2021.02 Release Notes](#)



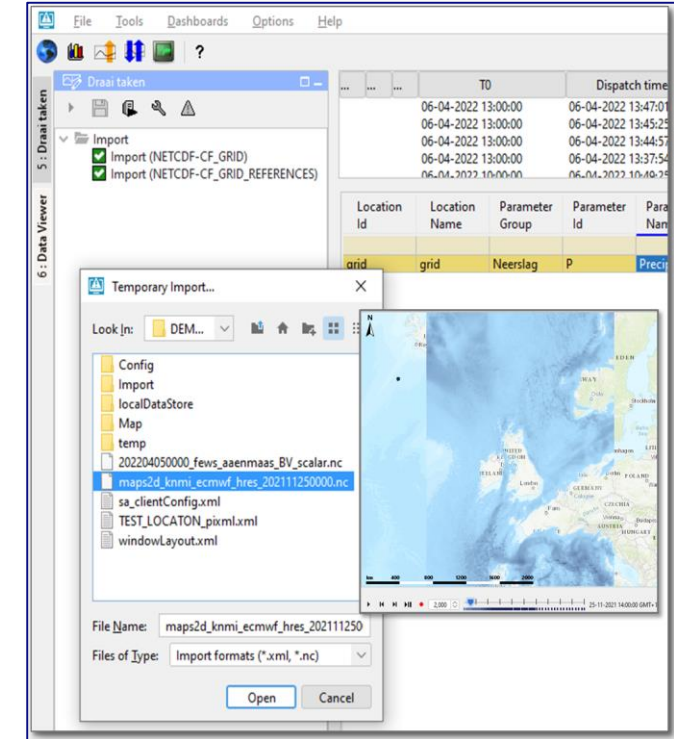
Topics for demonstration



**Auto-calibration with
Delft-FEWS and OpenDA**



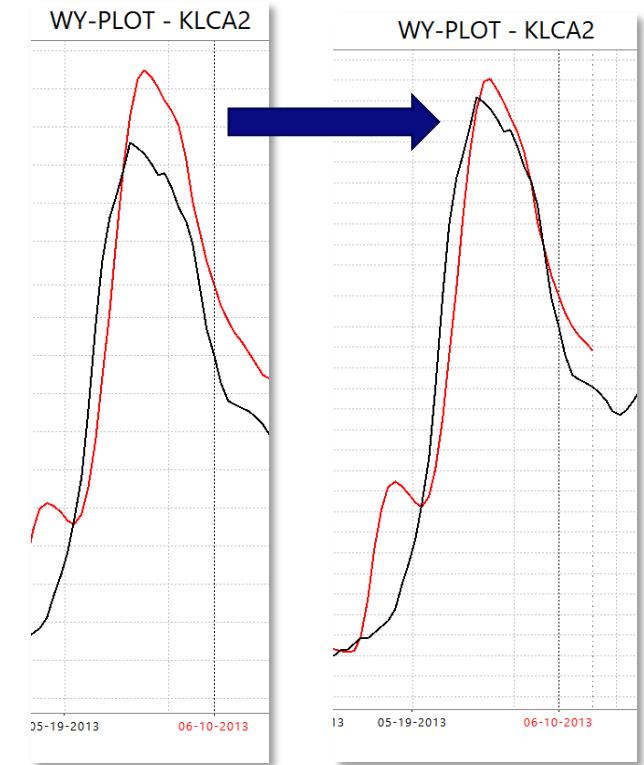
**Creating better plots
and attractive icons**



**Spotlight on the
Import Module**

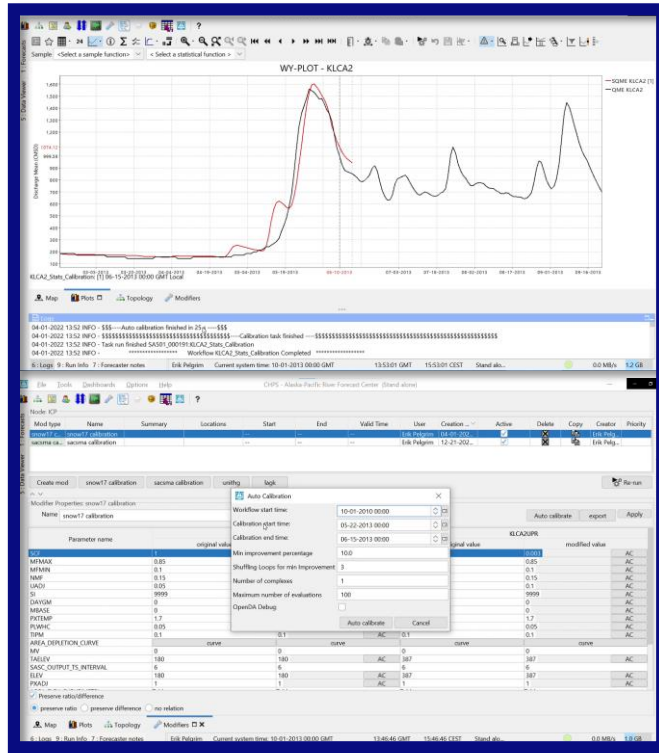
What is Auto Calibration?

- The calibration of external models via FEWS
 - Fitting of simulation results to observations
- External software package OpenDA is used for that
 - Without the user or configurator needing to know anything about OpenDA
- Manual calibration can take a lot of time and effort of the user
 - A lot of trial and error
 - They can be helped by automated calibration which automatically calculates the optimal set of parameters for minimizing the error between model results and observations

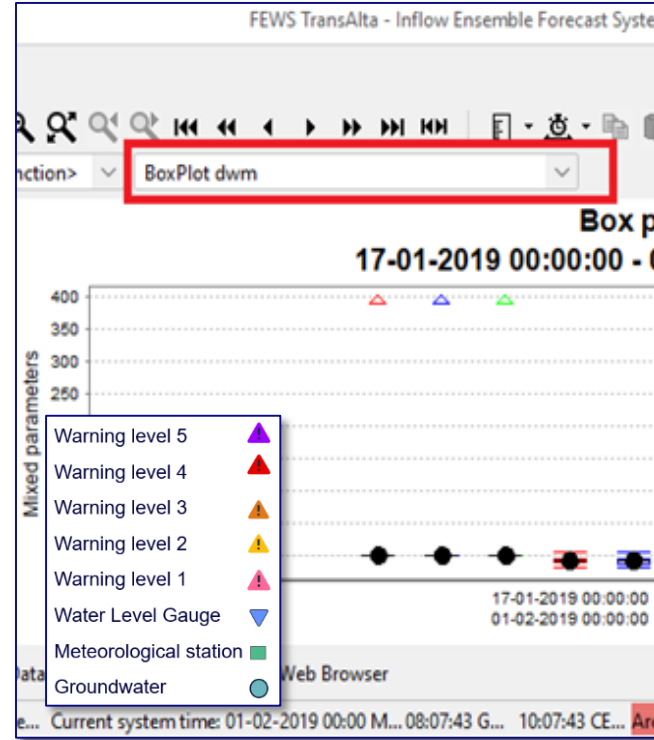


Fitting simulation results **RED** to observations **BLACK**

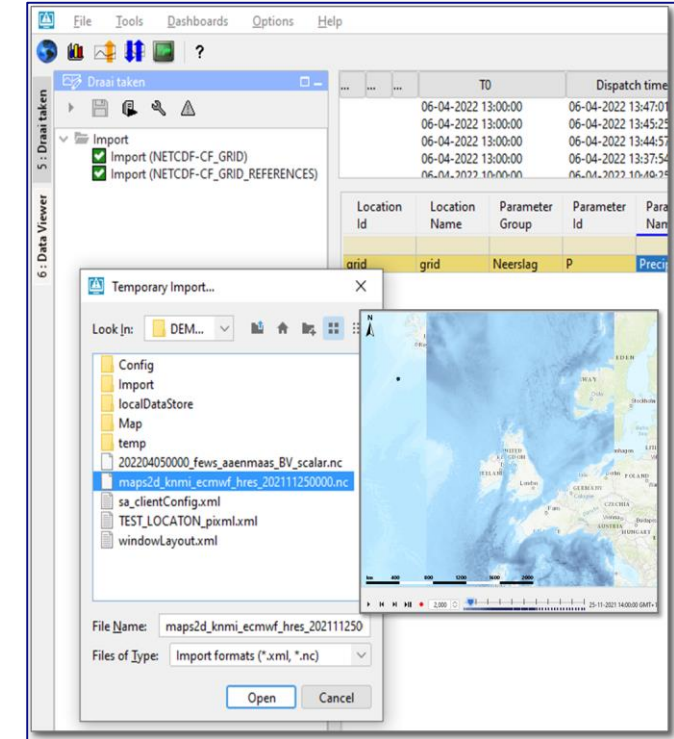
Video



**Auto-calibration with
Delt-FEWS and OpenDA
(9 mins)**

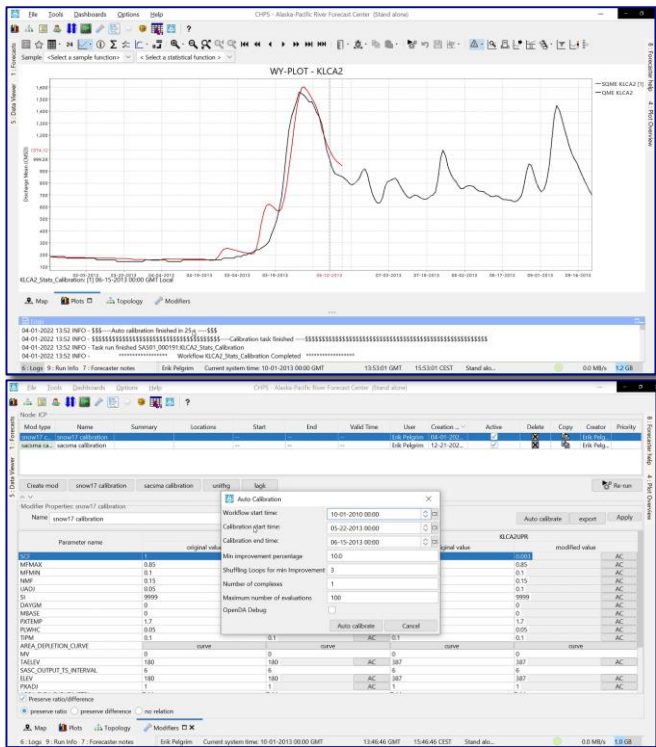


**Creating better plots
and attractive icons**

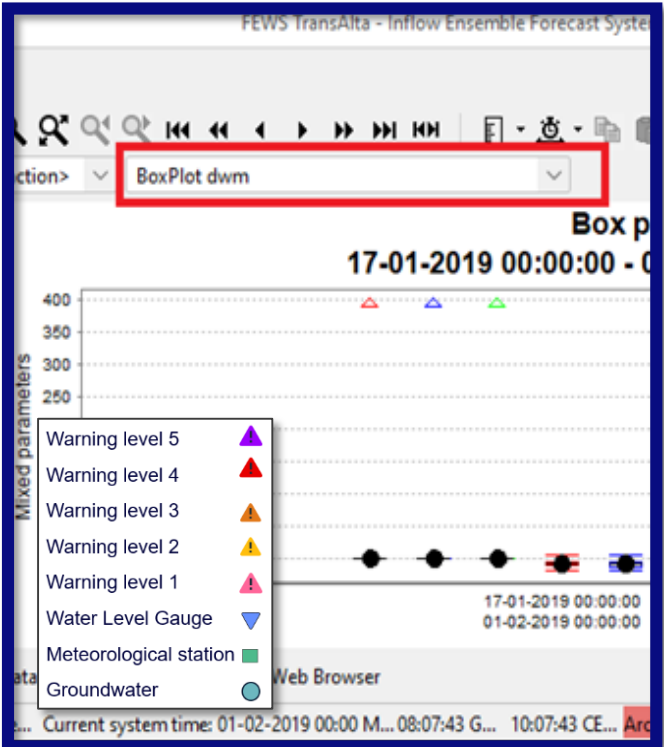


**Spotlight on the
Import Module**

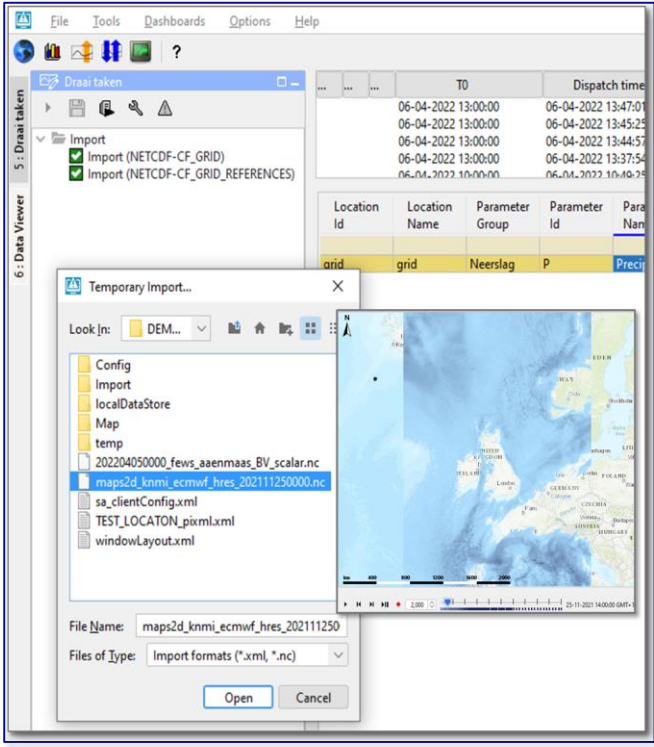
Topics for demonstration



Auto-calibration with
Delft-FEWS and OpenDA



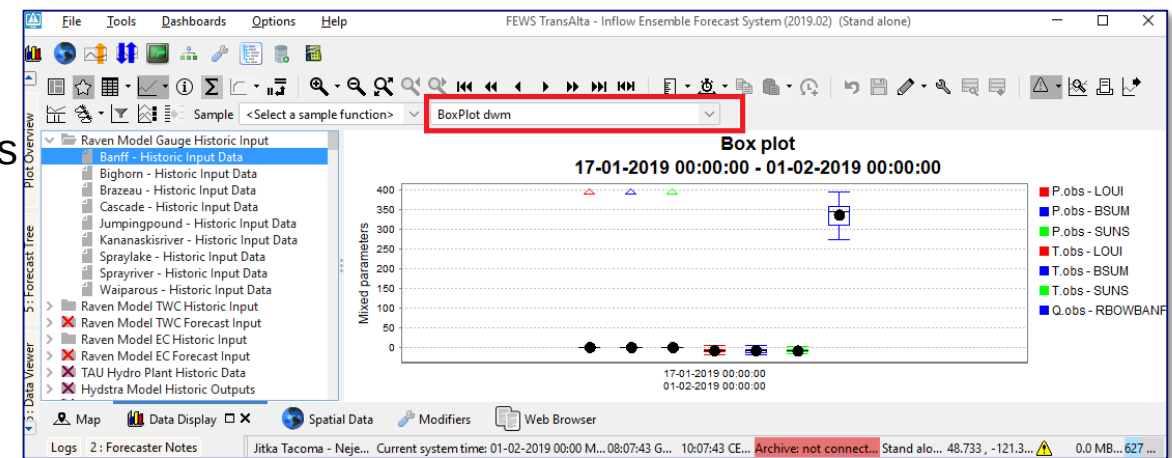
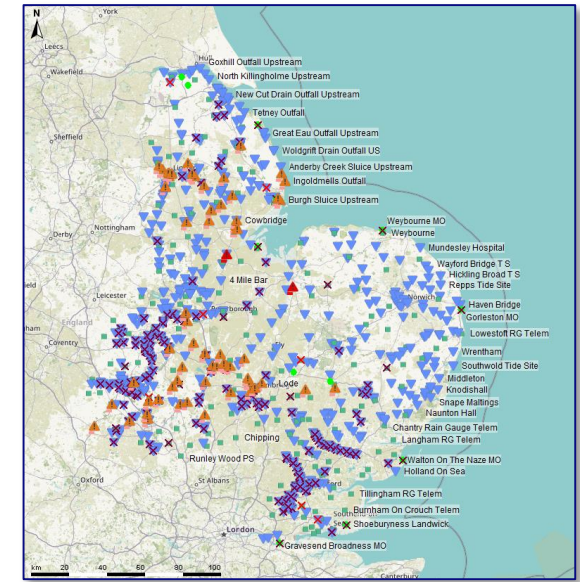
Creating better plots
and attractive icons

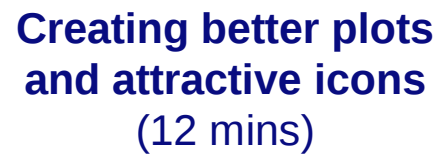


Spotlight on the
Import Module

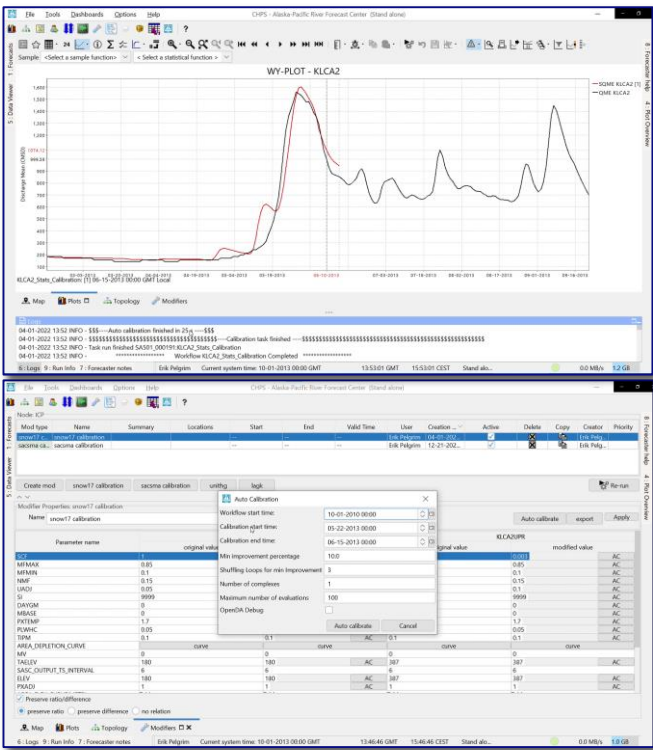
Creating better plots & a new design for GUI icons

- New design for GUI icons (to improve visibility)
 - Based on scientific research on human perception of colors
 - New icons (gauges, stations, groundwater wells)
 - Ability to load svg icons (higher resolution, less pixels)
 - Color schemes for thresholds (5 different warning levels)
 - New OSM* background map (as a backup for grey background map)
- Creating better (and more attractive) plots
 - Adding cloud cover to spatial plots
 - Using the vertical slider for plots at different depths
 - Creating predefined statistical plots

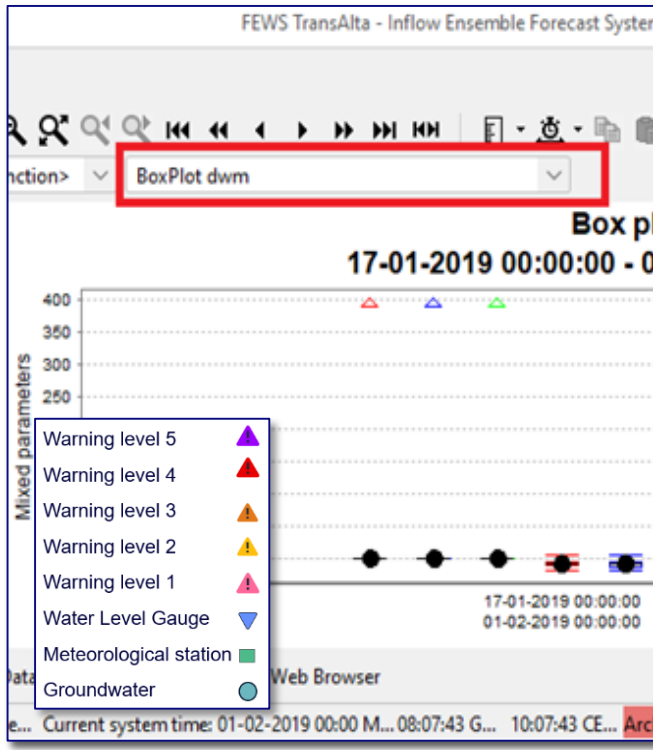




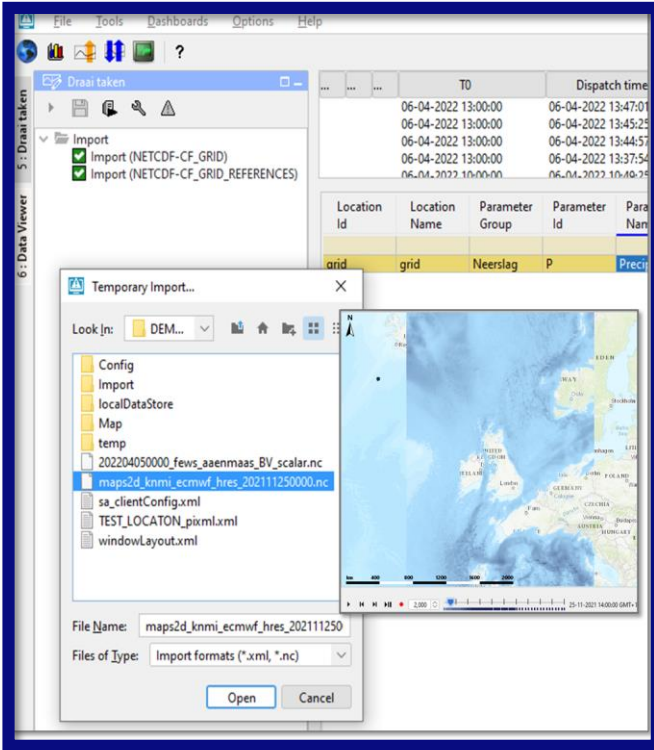
Topics for demonstration



Auto-calibration with Delft-FEWS and OpenDA



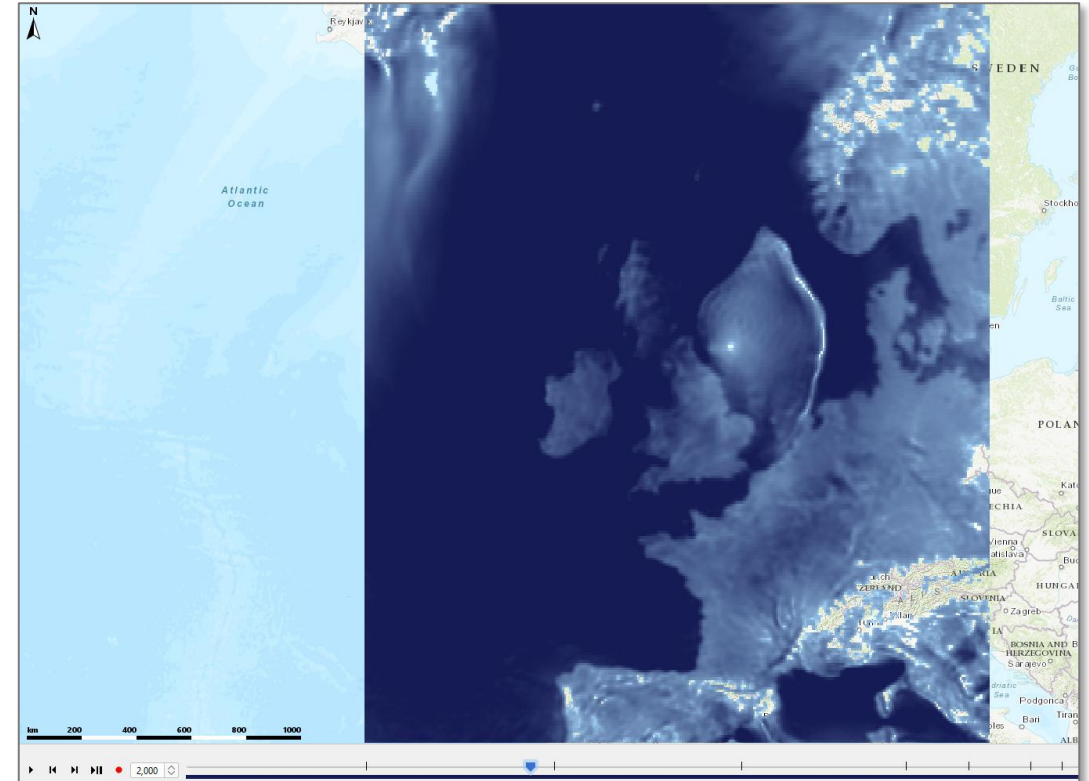
Creating better plots and attractive icons



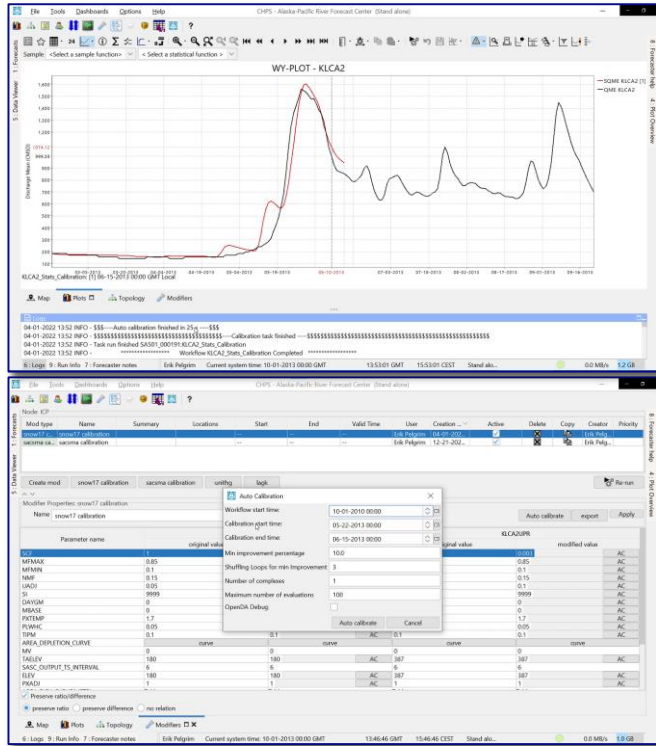
Spotlight on the Import Module

A spotlight on: the Import Module

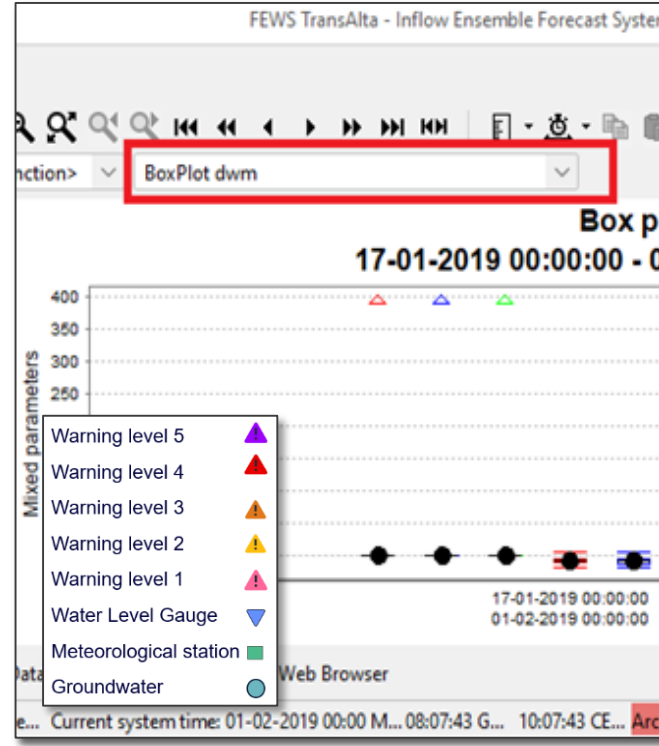
- New features in 2021.02
 - **General** Section
 - **GeneralCSV** import-type
 - Import of **grid references** (leave data at the source!)
 - Importing **temporary** data



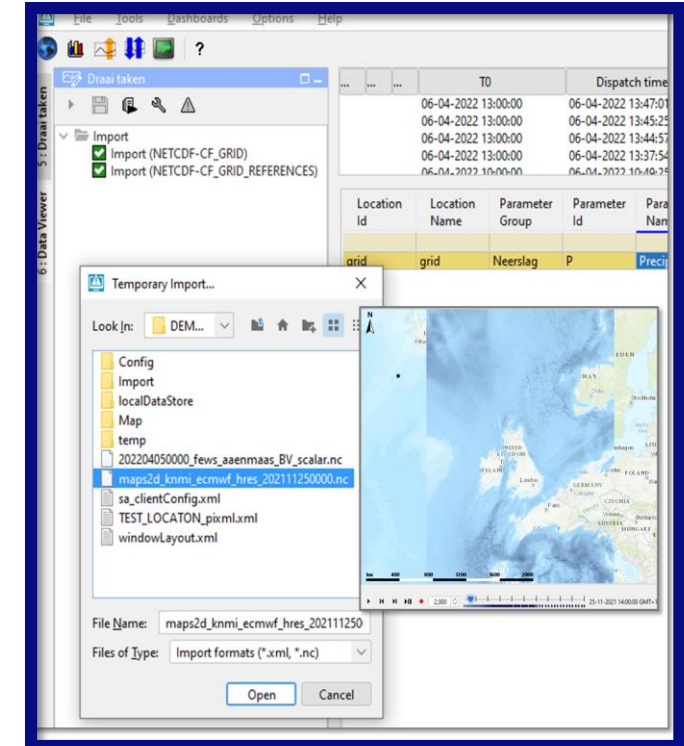
Video



Auto-calibration with Delft-FEWS and OpenDA

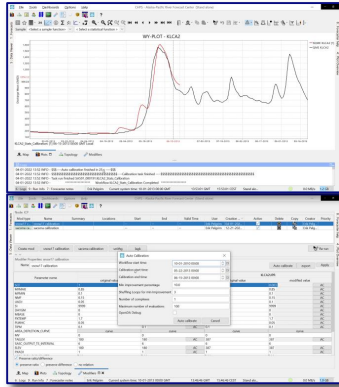


Creating better plots and attractive icons

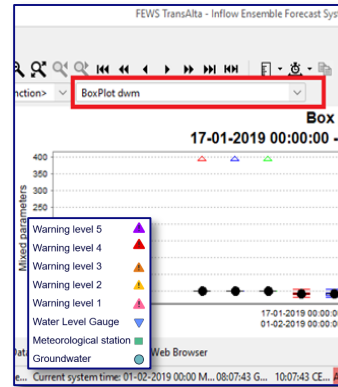


Spotlight on the Import Module (9 mins)

Interesting links to all topics



[Auto-Calibration](#)



[Download of location icons](#)

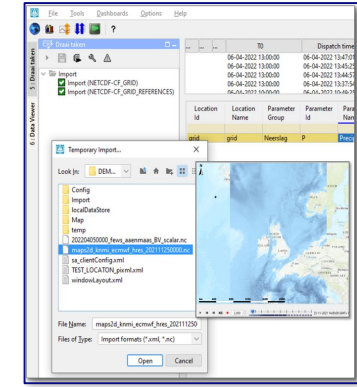
[Cloud cover and precipitation](#)

[Vertical slider](#)

[Vertical Slider \(configuration example\)](#)

[Box plots](#)

[Button visibility settings](#)



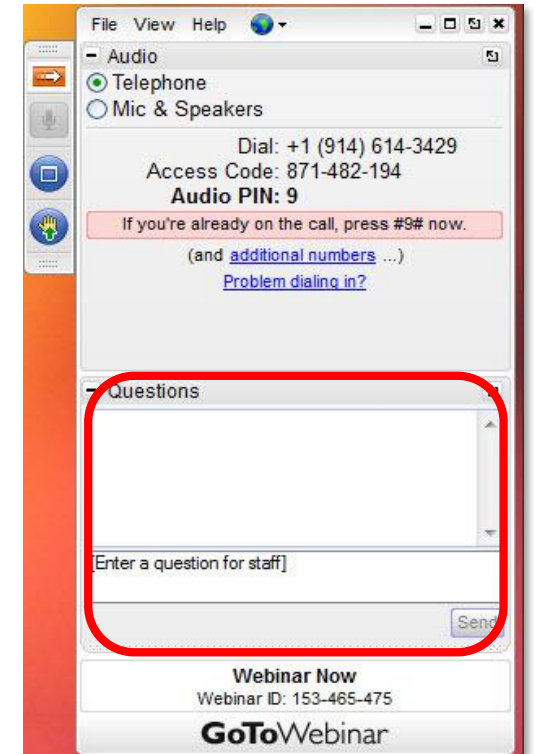
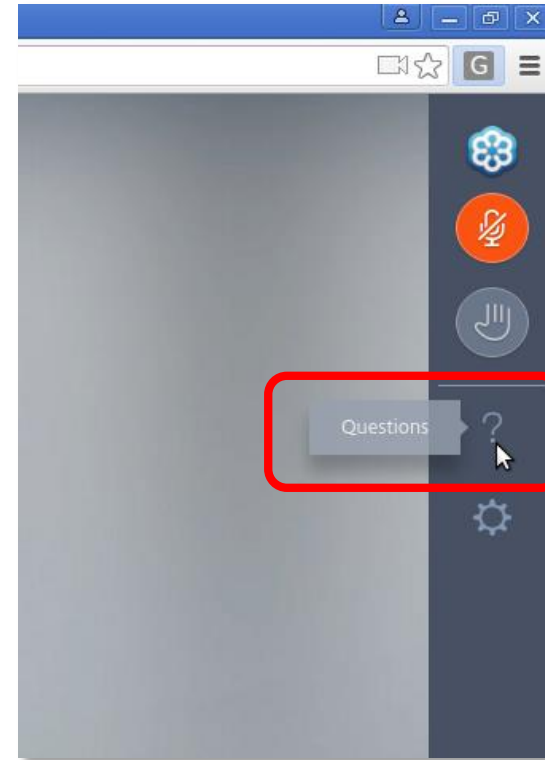
[General import options](#)

[GeneralCSV import](#)

[Grid references import](#)

[On-the-fly import \(temporary data\)](#)

Questions and Discussion....



Find Further Information



Delft-FEWS



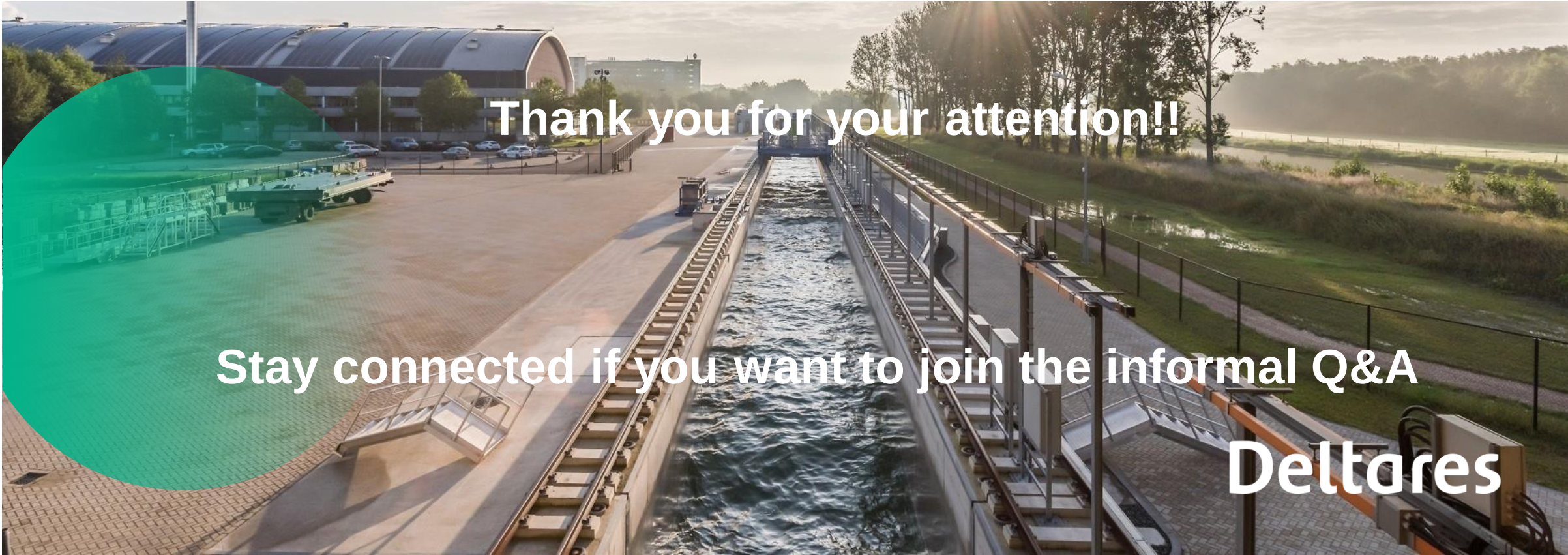
Delft-FEWS Community Portal – www.delft-fews.com

Delft-FEWS Documentation WIKI - <https://publicwiki.deltares.nl/display/FEWSDOC/Home>

Delft Software Days - <https://softwaredays.deltares.nl/program>



fews-pm@deltares.nl

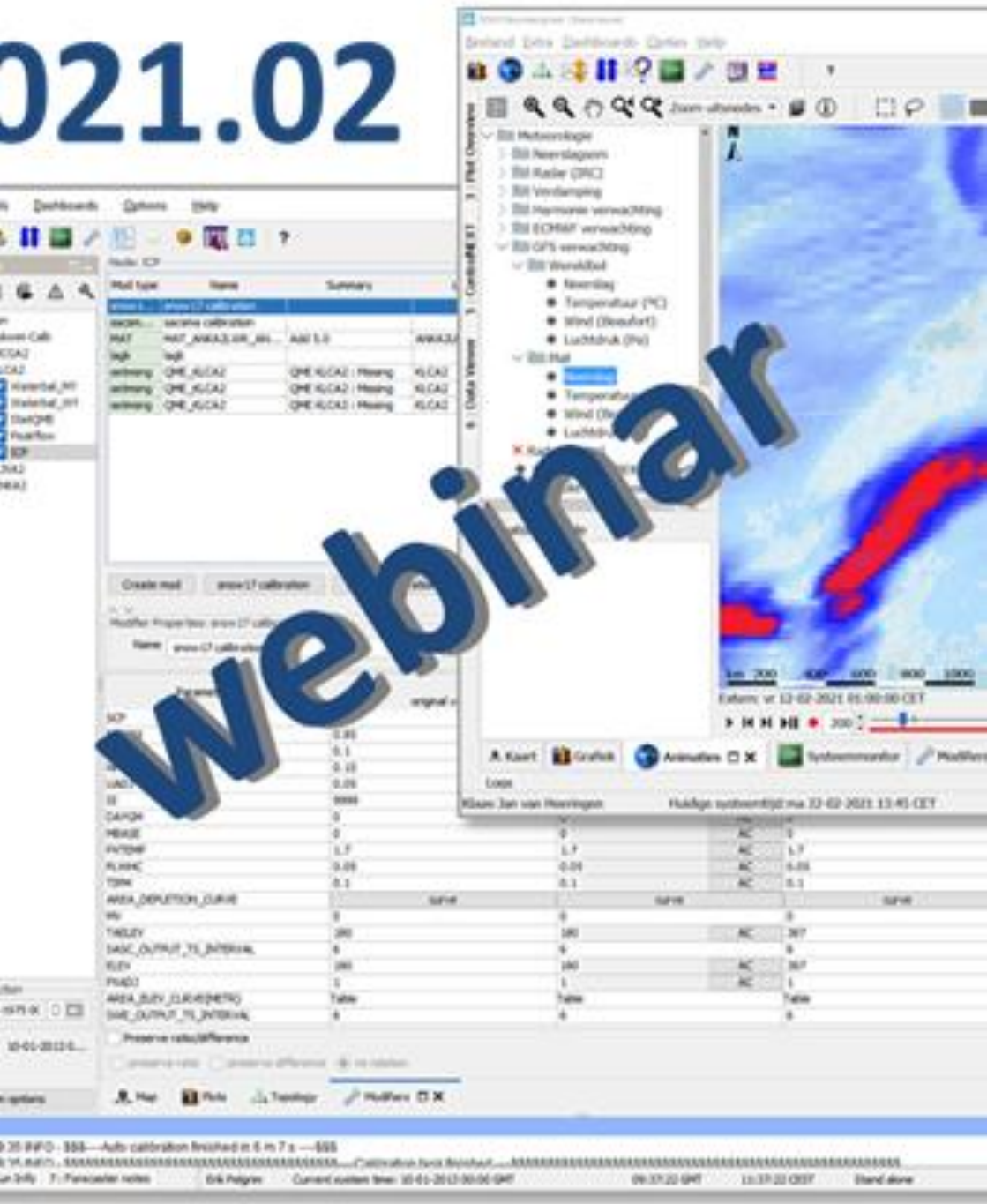
A wide-angle photograph of a large water tunnel facility. A long, straight channel of water flows between concrete walls. On the left, there's a paved area with a large, curved-roof building in the background. On the right, there's a grassy area with trees. The sun is low in the sky, creating a warm glow. A large green semi-transparent circle is on the left side of the image.

Thank you for your attention!!

Stay connected if you want to join the informal Q&A

Deltares

2021.02



Deltaware

Delft-FEWS

2021.02

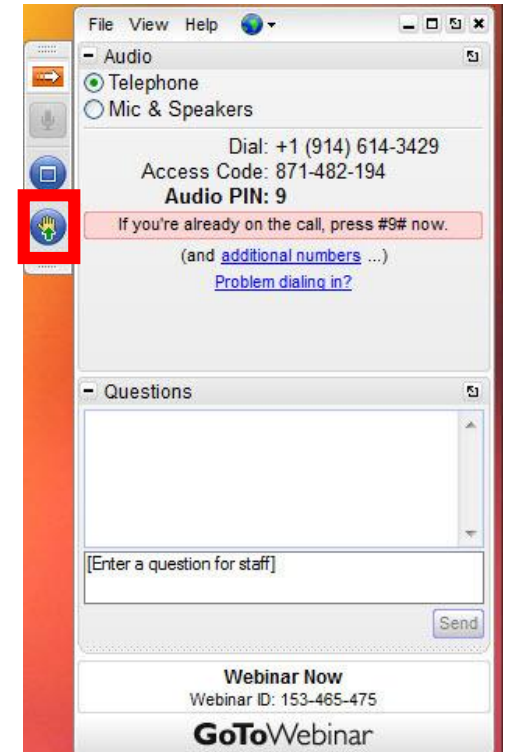
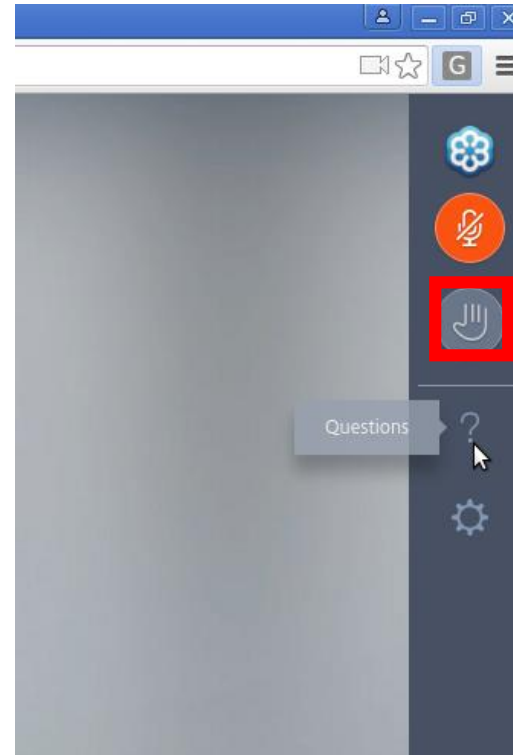
New Features Webinar

Informal Q&A



Erik Pelgrim and Gerben Boot

Time for Questions and Discussion



Delft-FEWS Community Portal – www.delft-fews.com

Delft-FEWS Documentation WIKI - <https://publicwiki.deltares.nl/display/FEWSDOC/Home>

Delft Software Days - <https://softwaredays.deltares.nl/program>

Delft-FEWS 2022.01 Benchmarks



126 new features



66 bugs repaired (+ ?? in testing)



9 new import modules



10 new features in FEWS-webservices



1 webservice: National Register (NL)



8 new features in timeseries display



6 new data transformations



6 new features in the FEWS explorer



5 new export modules



10 improvements to the open archive



1 new display



9 improvements to WhatifEditor

FEWSDOCS

<https://fewsdocs.deltares.nl/>

**DELFT-FEWS
DOCUMENTATION**

Delft-FEWS XML Schemas

For the latest XML schema XSDs, please see:

[Schema XSDs](#)

Delft-FEWS Granted features

For the latest granted features:

[Granted features](#)

Delft-FEWS Web Services

Please see the latest Delft-FEWS Web Services documentation at:

- [REST Service](#)
- [WMS Service](#)
- [SSD Service](#)

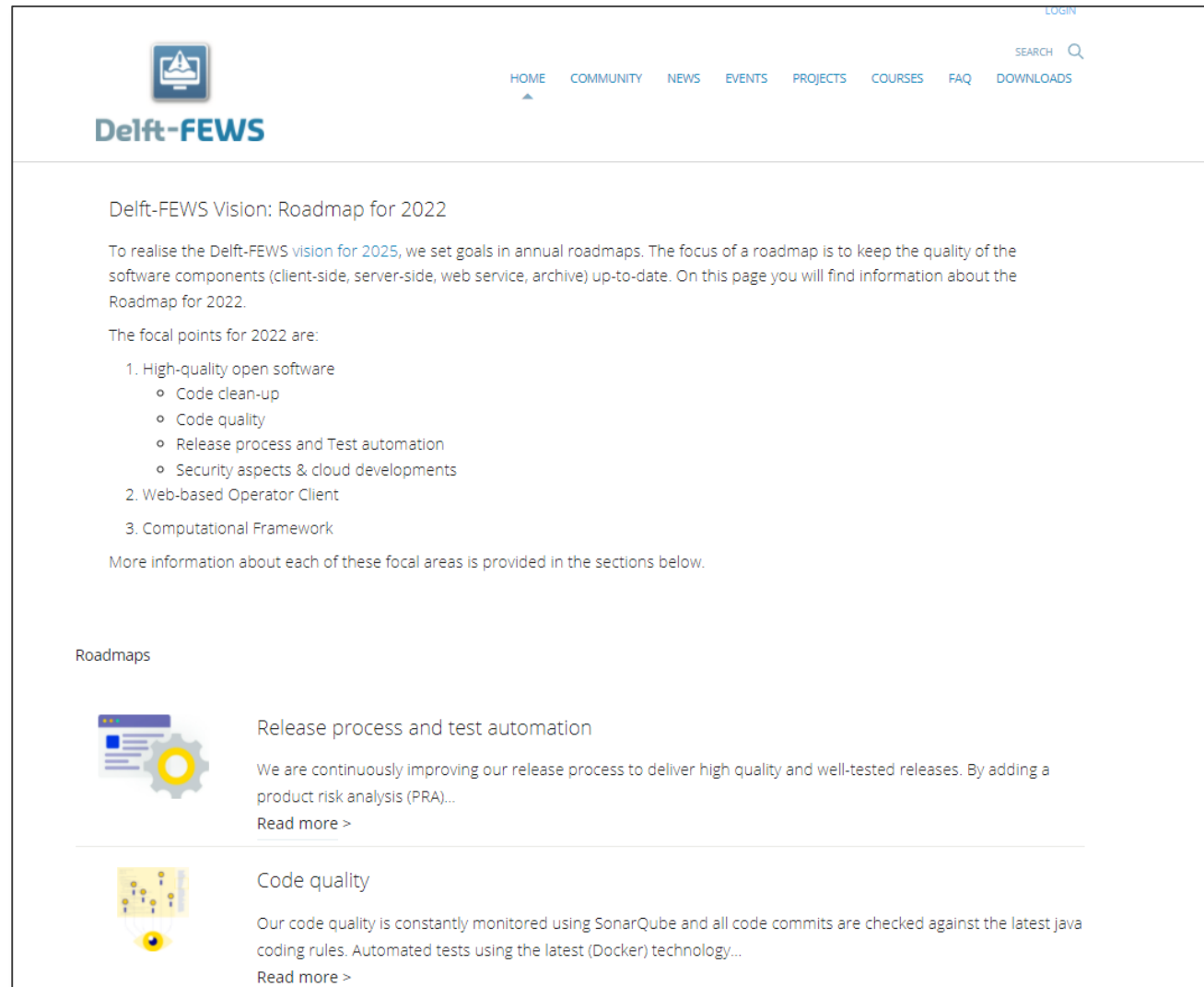
Admin Interface API

For the latest version of the Admin Interface API, please see:

[Admin Interface API](#)

Roadmap 2022

<https://oss.deltares.nl/web/delft-fews/roadmaps>



The screenshot shows the Delft-FEWS website's roadmap page for 2022. The header includes the Delft-FEWS logo, a navigation menu with links to HOME, COMMUNITY, NEWS, EVENTS, PROJECTS, COURSES, FAQ, and DOWNLOADS, and a search bar. The main content area is titled "Delft-FEWS Vision: Roadmap for 2022" and explains the purpose of the roadmap. It lists three focal points for 2022: 1. High-quality open software (with sub-points: Code clean-up, Code quality, Release process and Test automation, Security aspects & cloud developments), 2. Web-based Operator Client, and 3. Computational Framework. Below this, it states that more information is provided in the sections below. The "Roadmaps" section contains two items: "Release process and test automation" with a gear icon and "Code quality" with a magnifying glass icon. Each item includes a brief description and a "Read more >" link.

LOGIN

SEARCH

HOME COMMUNITY NEWS EVENTS PROJECTS COURSES FAQ DOWNLOADS

Delft-FEWS

Delft-FEWS Vision: Roadmap for 2022

To realise the Delft-FEWS [vision for 2025](#), we set goals in annual roadmaps. The focus of a roadmap is to keep the quality of the software components (client-side, server-side, web service, archive) up-to-date. On this page you will find information about the Roadmap for 2022.

The focal points for 2022 are:

1. High-quality open software
 - Code clean-up
 - Code quality
 - Release process and Test automation
 - Security aspects & cloud developments
2. Web-based Operator Client
3. Computational Framework

More information about each of these focal areas is provided in the sections below.

Roadmaps



Release process and test automation

We are continuously improving our release process to deliver high quality and well-tested releases. By adding a product risk analysis (PRA)...

[Read more >](#)

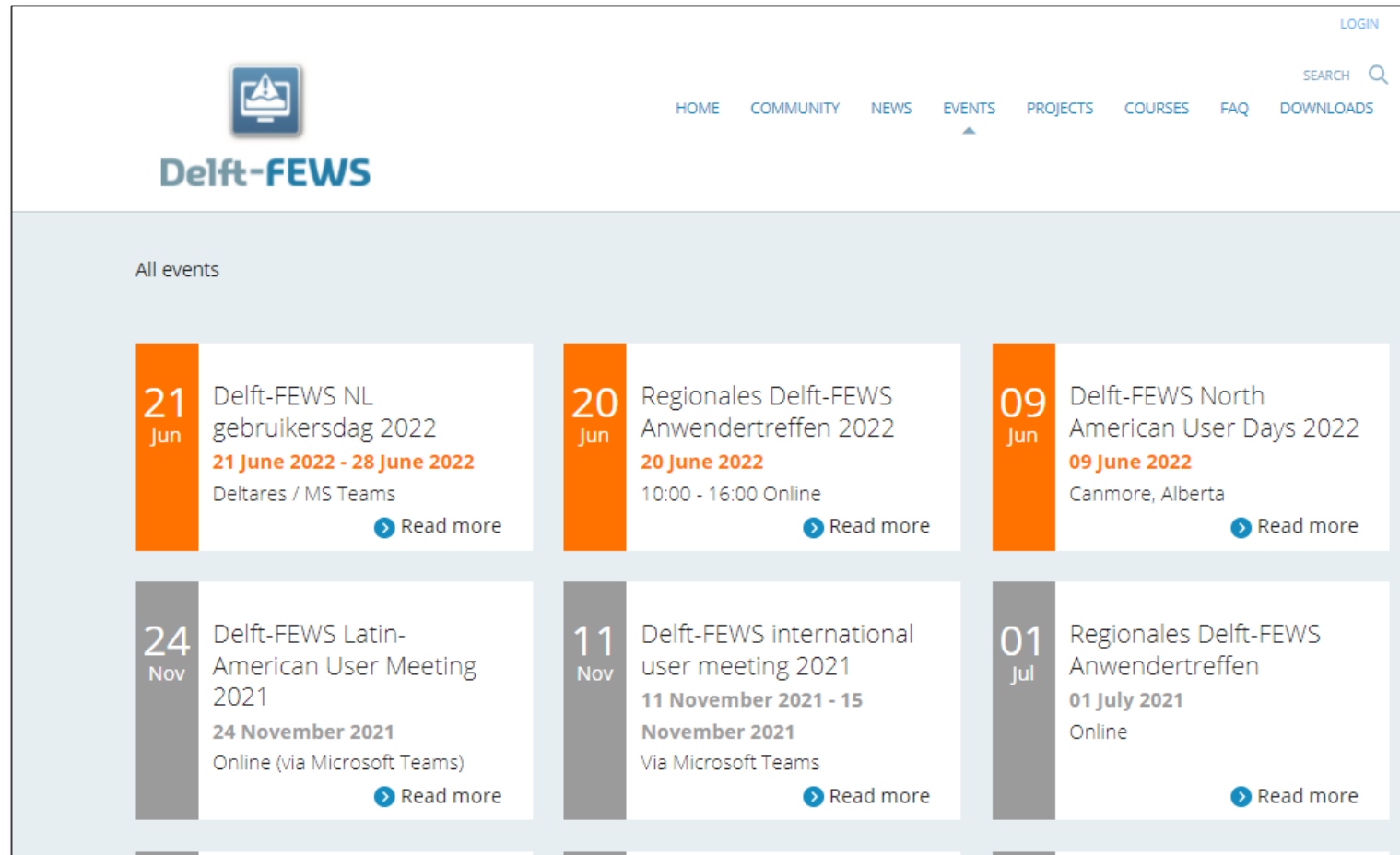


Code quality

Our code quality is constantly monitored using SonarQube and all code commits are checked against the latest java coding rules. Automated tests using the latest (Docker) technology...

[Read more >](#)

Upcoming Events... <https://oss.deltares.nl/web/delft-fews/events>



The screenshot shows the Delft-FEWS website's 'All events' page. The header includes the Delft-FEWS logo, a navigation menu (HOME, COMMUNITY, NEWS, EVENTS, PROJECTS, COURSES, FAQ, DOWNLOADS), a search bar, and a LOGIN link. The main content area displays six event cards in a 2x3 grid. Each card features a date in a colored box, the event title, dates, location, and a 'Read more' link.

Date	Event Title	Dates	Location	Read more
21 Jun	Delft-FEWS NL gebruikersdag 2022	21 June 2022 - 28 June 2022	Deltares / MS Teams	Read more
20 Jun	Regionales Delft-FEWS Anwendertreffen 2022	20 June 2022	10:00 - 16:00 Online	Read more
09 Jun	Delft-FEWS North American User Days 2022	09 June 2022	Canmore, Alberta	Read more
24 Nov	Delft-FEWS Latin-American User Meeting 2021	24 November 2021	Online (via Microsoft Teams)	Read more
11 Nov	Delft-FEWS international user meeting 2021	11 November 2021 - 15 November 2021	Via Microsoft Teams	Read more
01 Jul	Regionales Delft-FEWS Anwendertreffen	01 July 2021	Online	Read more