



Australian Government

Bureau of Meteorology

**Justin Robinson**

## **News of the World - Delft-FEWS Community Strategy Board**

Community Services Group | Environmental Prediction - Water  
Australian Bureau of Meteorology





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# Welcome to the Delft-FEWS Community

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Delft-FEWS  
Map of the world



Delft-FEWS Australian User Days 2021



Delft-FEWS Latin-American User  
Meeting 2021



Canadian User Days 2022



Regional Delft FEWS Meeting 2022 for  
German Speaking User




Delft-FEWS International User Days 2019



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# International Community Strategy Board (CSB)

- Formed in 2015 to foster stronger connection with the community about strategic directions and priorities for Delft-FEWS.
- I have been the Bureau's and Australia's representative on the board since 2021.
- With the strategy board I have been working on strengthening the FEWS Community and enabling Australian FEWS users to connect with the international community.



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## Delft-FEWS

### International Community Strategy Board (CSB)

Delft-FEWS is a software product based on community developments. The International Community Strategy Board (CSB) was formed in 2015 to foster a strong connection with the community about more strategic developments. The CSB participates in strategic discussions and is involved in defining priorities for Delft-FEWS strategic developments.

**What can the CSB do for you?**

The CSB meets on a quarterly basis. If you would like to see a certain topic addressed in the meetings, please bring this up with either Deltares [Delft-FEWS Product Management](#) or the CSB representative for your regional community.

**Who is currently on the CSB?**

The members of the CSB represent the worldwide Delft-FEWS community:

Organisation	Represented by
Bureau of Meteorology (Australia)	<a href="#">Justin Robinson</a>
Dutch Waterboards	<a href="#">Roger de Crook</a>
Federal Office for the Environment (Switzerland)	<a href="#">Martin Ebel</a>
Rijkswaterstaat (Netherlands)	<a href="#">Marc Philippart</a>
Scottish Environment Protection Agency (SEPA)	<a href="#">Amy Tavendale</a>
National Weather Service (USA)	<a href="#">Trey Flowers</a>
Environment Agency (UK)	<a href="#">Stefan Laeger</a>
Tennessee Valley Authority (USA)	<a href="#">Gabe Miller</a>
Deltares USA	<a href="#">Ben Balk</a>
Deltares NL	<a href="#">Nadine Slootjes</a> , <a href="#">Marcel Ververs</a> , <a href="#">Gerben Boot</a> , <a href="#">Ilonka ten Broeke</a>

## Community Talk

# An initiative of the Delft-FEWS Community Strategy Board

- Think about communities that you are a member of and what makes them successful.
  - Routine
  - Not too much effort
  - Know what to expect
  - Connect with people
  - Lead by the community
- ⇒ FEWS Community Talks, Standard Agenda, Every 3 months, breakout groups.

## Community Talk

## Now to meet the community

Ilonka ten Broeke

Personal preferences – be a little selfish.. Think about all your community memberships (work colleagues, project group, sport club, friends groups, bridge mates, church group, parents association, book club).

- **What makes this memberships meaningful for you, or what's in it for you?**

The Delft-FEWS community..

- **Purpose. Why does the community exist, what is the purpose?**
- **Member identity. Who is the community for, what is the profile of the most active members.**

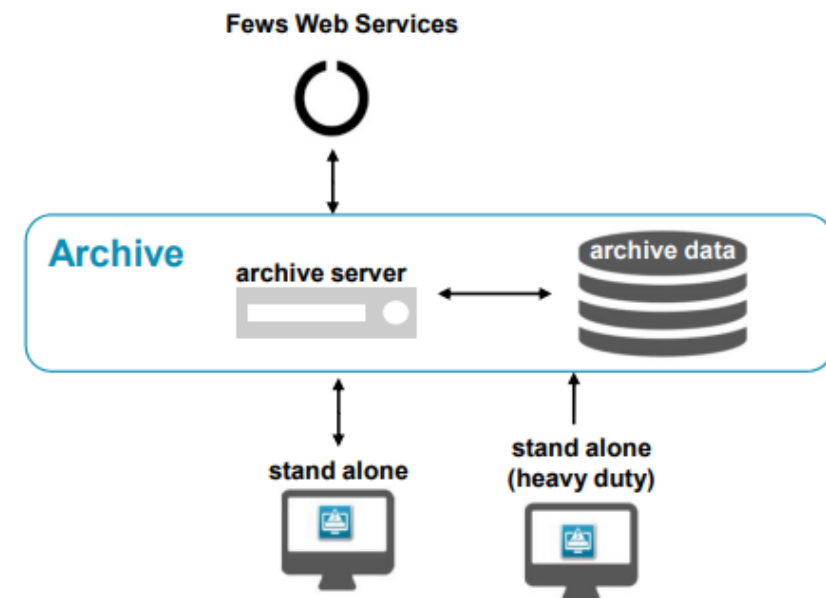
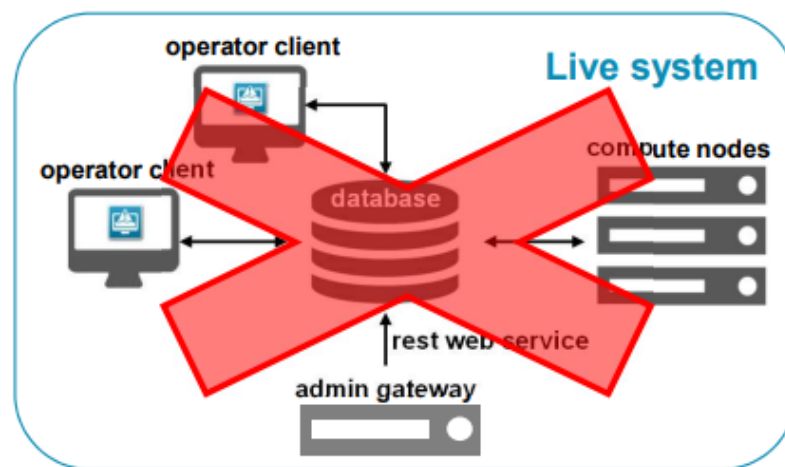


# Computational Framework – September 2021

- Enabling Delft-FEWS to run in non-operational modes, it can run tasks such as batch running, and the comparison of model runs.
- One of the key concepts is the Delft-FEWS standalone links to the archive in the similar way as the OC connects to the database.

## Preferred system architecture for modelling studies:

- **stand alone** applications sharing an **archive**



[oss.deltares.nl/web/delft-fews/-/clo-1?redirect=%2Fweb%2Fdelft-fews%2Froadmaps](https://oss.deltares.nl/web/delft-fews/-/clo-1?redirect=%2Fweb%2Fdelft-fews%2Froadmaps)



# CSB meeting about security – January 2022



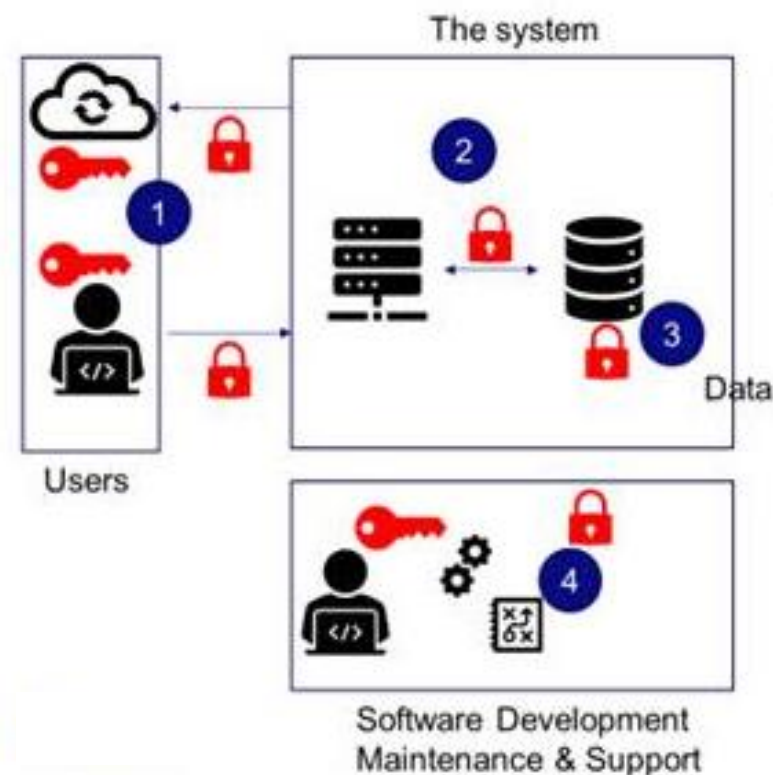
## SEPA cyber attack 'displayed significant stealth and malicious sophistication' – Learnings for Scotland's public sector say audits

27 October 2021

The December 2020 cyber-attack against the Scottish Environment Protection Agency (SEPA) 'displayed significant stealth and malicious sophistication' according to a series of independent audits published today (27 October 2021) by Scotland's environmental watchdog.

- SEPA cyber-attack 'likely by international serious organised criminals'.
- Attack 'displayed significant stealth and malicious sophistication with a secondary and deliberate attempt to compromise SEPA systems as the team endeavoured to recover and restore back-ups'.
- SEPA did not respond to ransom request and was clear that it would not use public finance to pay serious and organised criminals.
- SBRC determined SEPA's cyber maturity assessment as high and that sophisticated defence and detection mechanisms were implemented and operating correctly prior to the incident.
- SBRC notes 'no implementation regime can be 100% secure'.

## Security area's of Delft-FEWS

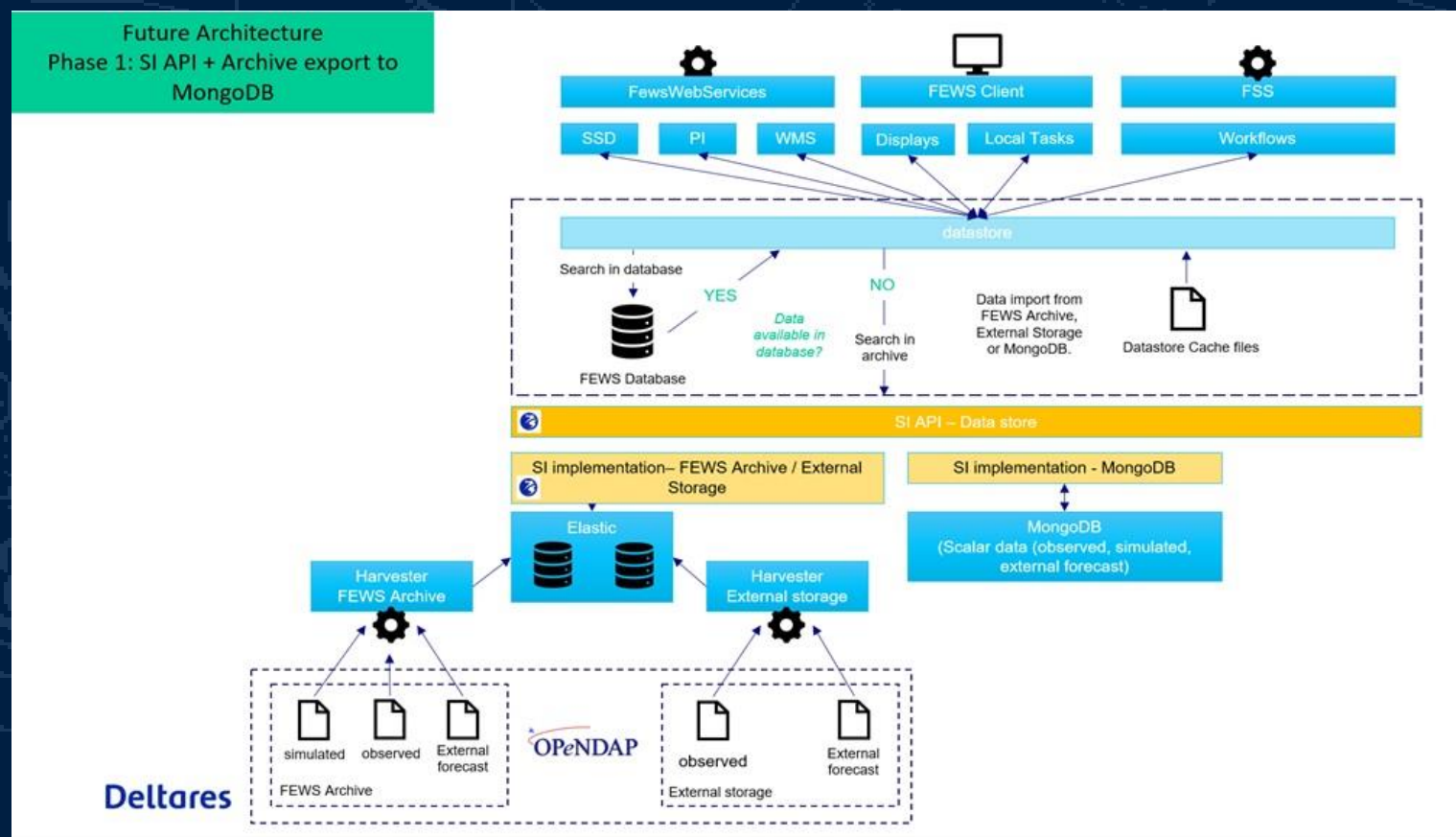


Imagine coming into your operations centre Christmas eve and not being able to log into your computer. Nothing no FEWS, no intranet, no contacts, no SharePoint, no phones. Just your mobile!



# Creating a vision for the Open Archive – July 2022

- We have seen the Open Archive grow organically based on external (and internal) feature requests.
- We are planning to get involved in supporting a vision for the open archive.
- Feedback or ideas?



## Community Talk

# Connect with the FEWS users across the world



Gabe Miller - Tennessee Valley Authority (TVA)

They need to balance a 49-dam, integrated river system to provide flood-damage reduction, navigation, hydroelectric power, water quality, water supply and recreation.

Strong supporter of the FEWS and the community and are leading innovators in the use of FEWS, including the FEWS archive.



The next Community talk is scheduled for 6 October  
2022.

National Operations Centre  
Bureau of Meteorology  
MSLP Analysis (hPa)  
Valid: 0000 UTC 22 Mar. 2021  
11am AEDT 22/Mar./2021