











Exposure







# CEMS – EFAS Annual Meeting 2022

**EFAS Analytics and Dissemination Centre** 

The value of providing feedback (on notifications and missed events)

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### Why provide feedback?





#### Why provide feedback?

Because it is vital for the development of the service!

#### Feedback enables the EFAS team to:

- assess the performance of the system
- monitor impact of implemented changes
- verify case studies, validate skill scores
- shape future developments



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Your feedback is taken into account in new developments via the EFAS Dissemination centre (annual analysis of received feedback)



#### What can I provide feedback on?

- Formal Flood Notifications (since 2016)
- Informal Flood Notifications (since 2022)
- Flash Flood Notifications (since 2020)
- Missed events (since 2021)

Feedback is analysed yearly and published on EFAS homepage



#### Feedback on Informal notifications and missed events

#### EFAS Informal Flood Notification\*

Country(ies): Italy River(s): Tiber (Tiber)

Predicted start of event: Friday, 16th of September 2022 - 06:00 Earliest predicted peak: Friday, 16th of September 2022 - 12:00 Probability to exceed a 5-year return period threshold: 33 % Probability to exceed a 20-year return period threshold: 22 %

Forecast date: 2022-09-12 12 UTC

Comment: This EFAS Flood Notification is only informal due to the model inconsistency.

This is the only notification you will receive for this event! Please follow the evolution of the event on EFAS.

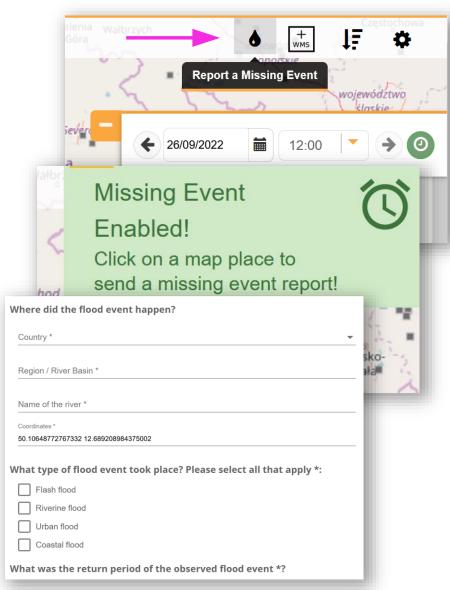
#### EFAS FORECASTER ON DUTY

#### Martin Halaj

Slovak Hydrometeorological Institute email: info@efas.eu

#### LEAVE A FEEDBACK FOR THIS NOTIFICATION





<sup>\*</sup>Formal = previously known as EFAS Flood Alert, Informal = previously known as EFAS Flood Watch.
The conditions for an EFAS Flood Notification of Type: Formal/Informal can be found here.



#### Feedback on Informal notifications and missed events

#### Missed events report

- The "best" (most severe, interesting, special) missed event is chosen to be analysed in a yearly report
- Provide us with your event to have it analysed more indepth
- Missed events important to validate new product versions as well

CEMS Floods Analytics and Dissemination Centre

#### Missed event report 2021

Sweden | Västra Götalands län; river Mölndalsån; 13-19 Feb 2021; peak 16/02 2021

#### 1. Introduction

Mölndalsån, with a total drainage area of 268km², is a river system located in the south-west of Sweden (Figure 1). It has its origin in the eastern part of the catchment near the lake Eastern Nedsjön at an elevation of 120m a.s.l. and flows along a 40km channel towards the west through several cities and towns including Mölndal and Gothenburg before joining the river Göta älven. There are several lakes and reservoirs within the river system and they cover around 10% of the total catchment area. There are five dams where reservoir levels are regulated. These reservoirs are operated in a coordinated way with the objective of mitigating both flooding and water shortage.

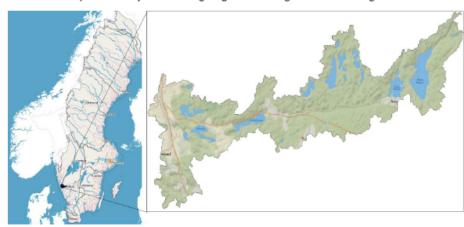


Figure 1: Outline of the Mölndalsån catchment

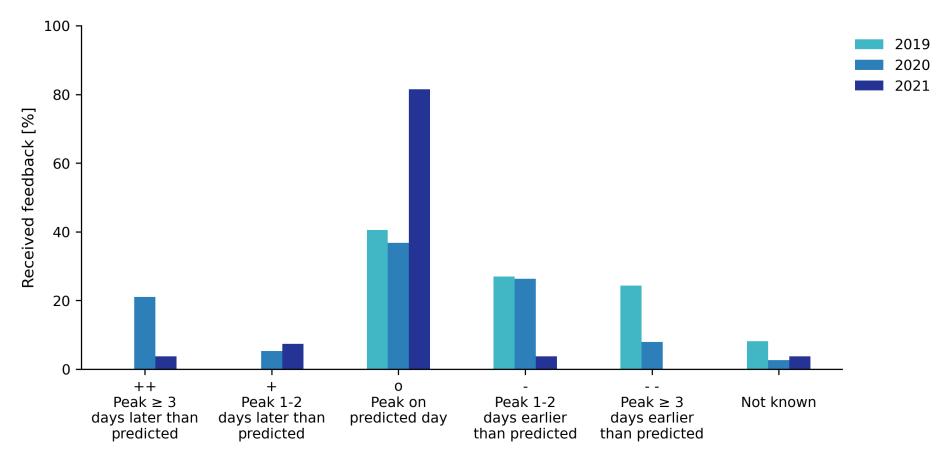
The climate varies from the west to east with the mean winter temperature ranging between -1.5°C and 1°C, and mean summer temperature between 15°C and 16°C. The mean annual rainfall varies from 800 mm in the west to 900–950 mm in the east.

February 2022 was a particularly wet month in the Mölndalsån catchment. A rainfall episode started



#### Summary of feedback until 2021 (Formal Flood notifications)

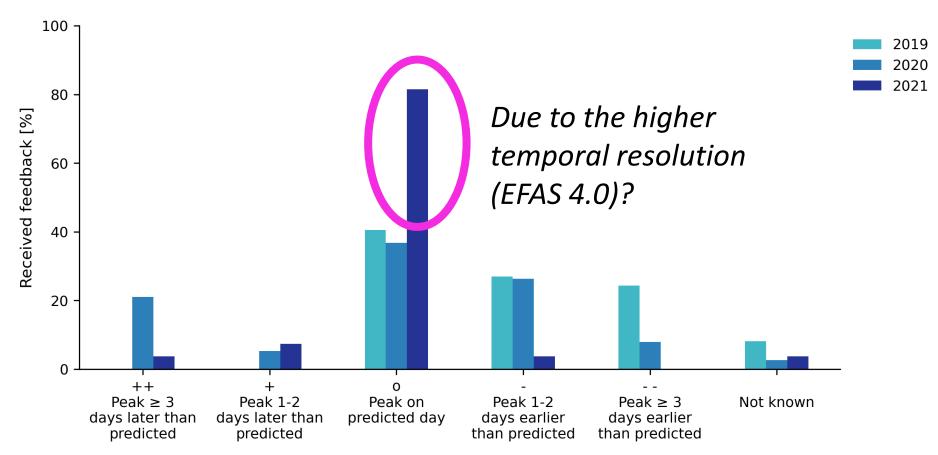
How accurate was the notification (timing of peak)?





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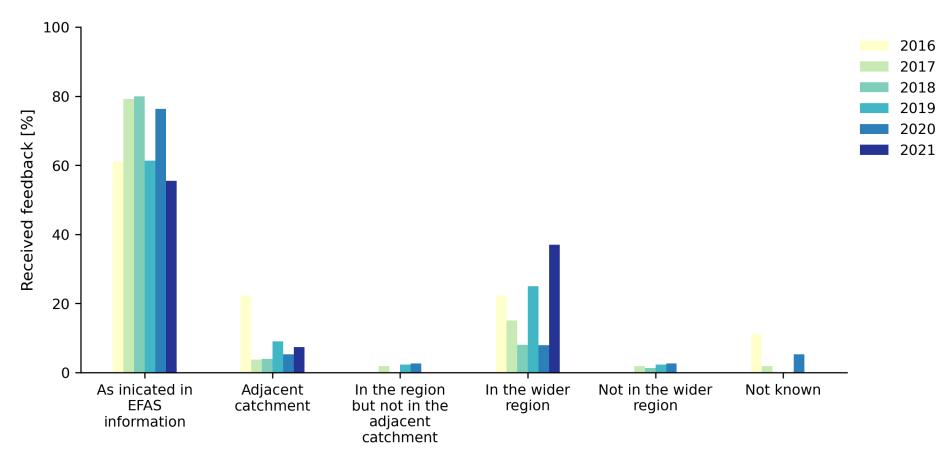
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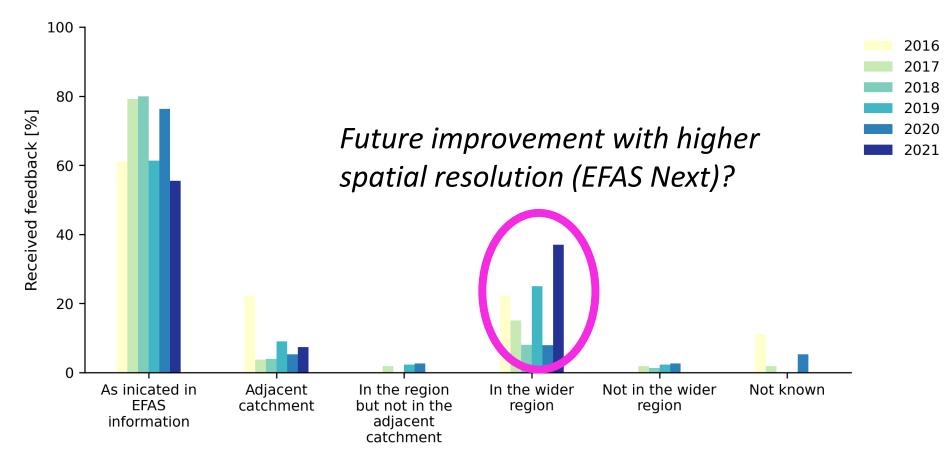
How accurate was the notification (location)?





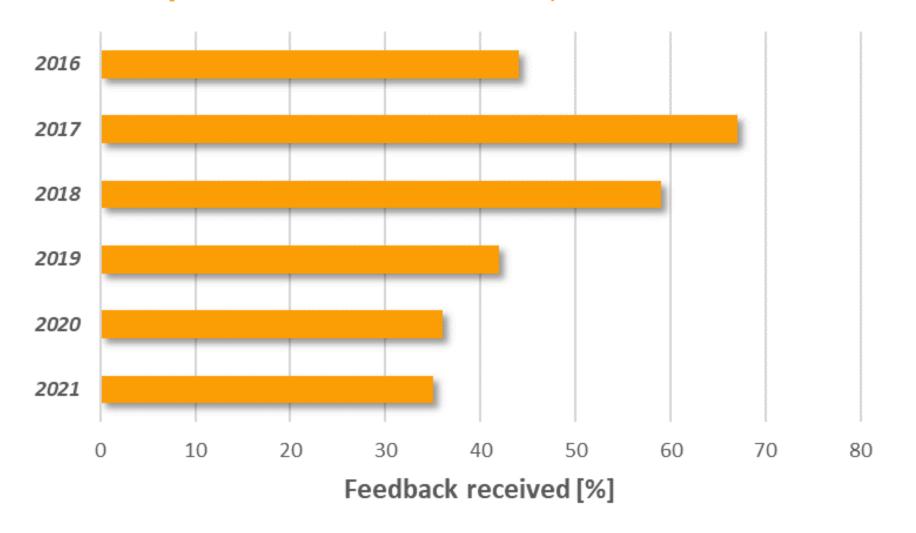
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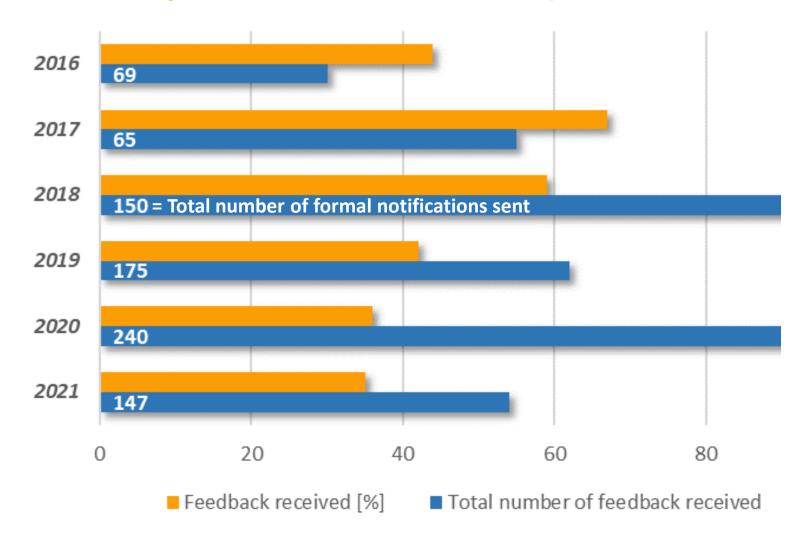


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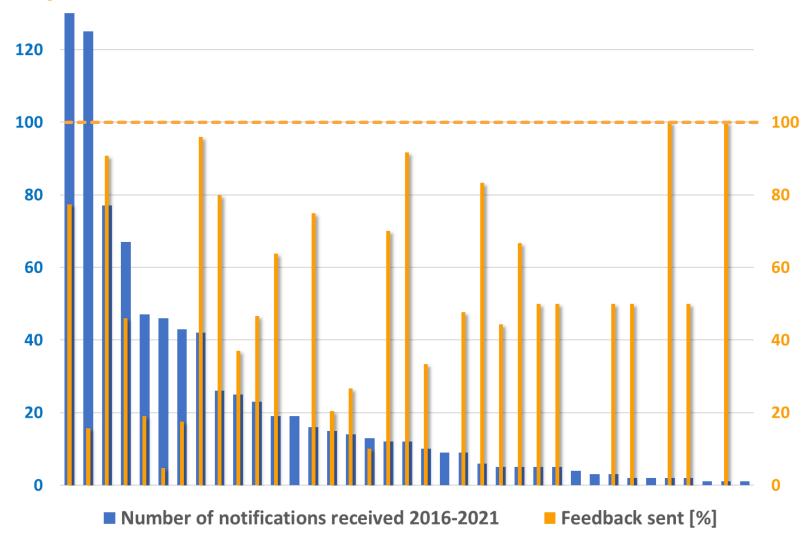


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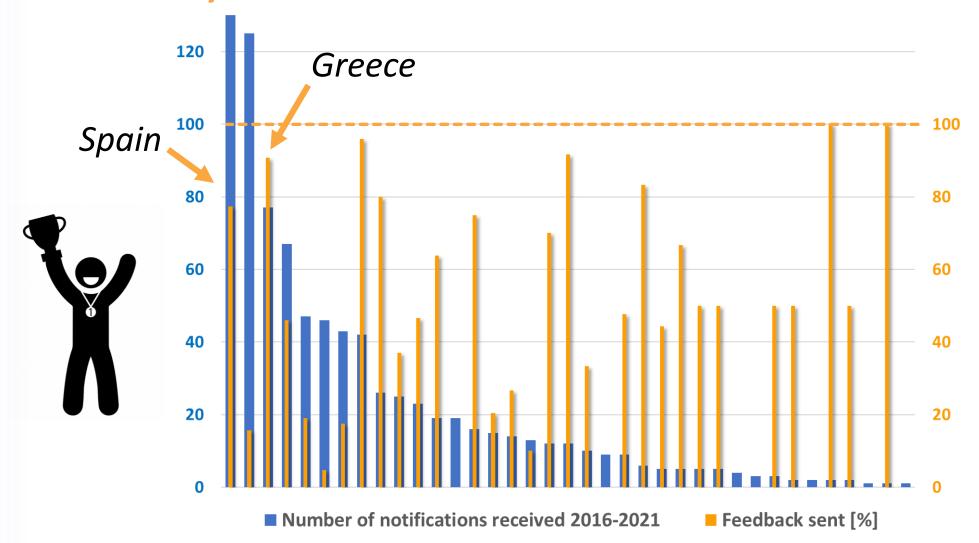


#### **Summary of feedback until 2021**





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### Current development

#### We want to be better

Feedback collection is constantly being improved

Recent ideas for easing collection for EFAS and the partner

- Automatic reminders for all types of notifications
- Possibility to go back to a feedback report and update/change information at a later stage



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#### Having more ideas?

Give us feedback on the feedback collection!





### Future development

#### Reflection on the current feedback collection

- Analysis of feedback reflects the overall picture of how the service is performing
- Evaluation of a notification depends on the person who provides the feedback
- Reasons for a notification not matching an observed flood event can be manifold and are not investigated in detail

Feedback is **important** – let's work together to improve the service further!



#### Training material

#### Want to learn more?



#### Multi-Partner Feedback Process

2020-05-26

This webinar provides information on the new EFAS feedback collection tool

https://www.efas.eu/en/node/622



What to do if you do NOT receive a flood notification (Part 3)

2021-12-15

This webinar provides information on what to do if you **do not** receive an EFAS flood notification (part 3 of 3).

https://www.efas.eu/en/node/801

On-demand mapping

Rapid

Risk and Recovery

Early warning and monitoring







Exposure Mapping



Built-up areas



Thank you for your attention!

Contact EFAS DISS: info@efas.eu



