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Copernicus
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European Commission
Emergency Management
#EUSpace
GloFAS and GFM annual users' surveys
2022 results and follow-up actions
Nina Bosshard and Luca Molini

2022 Results for GloFAS

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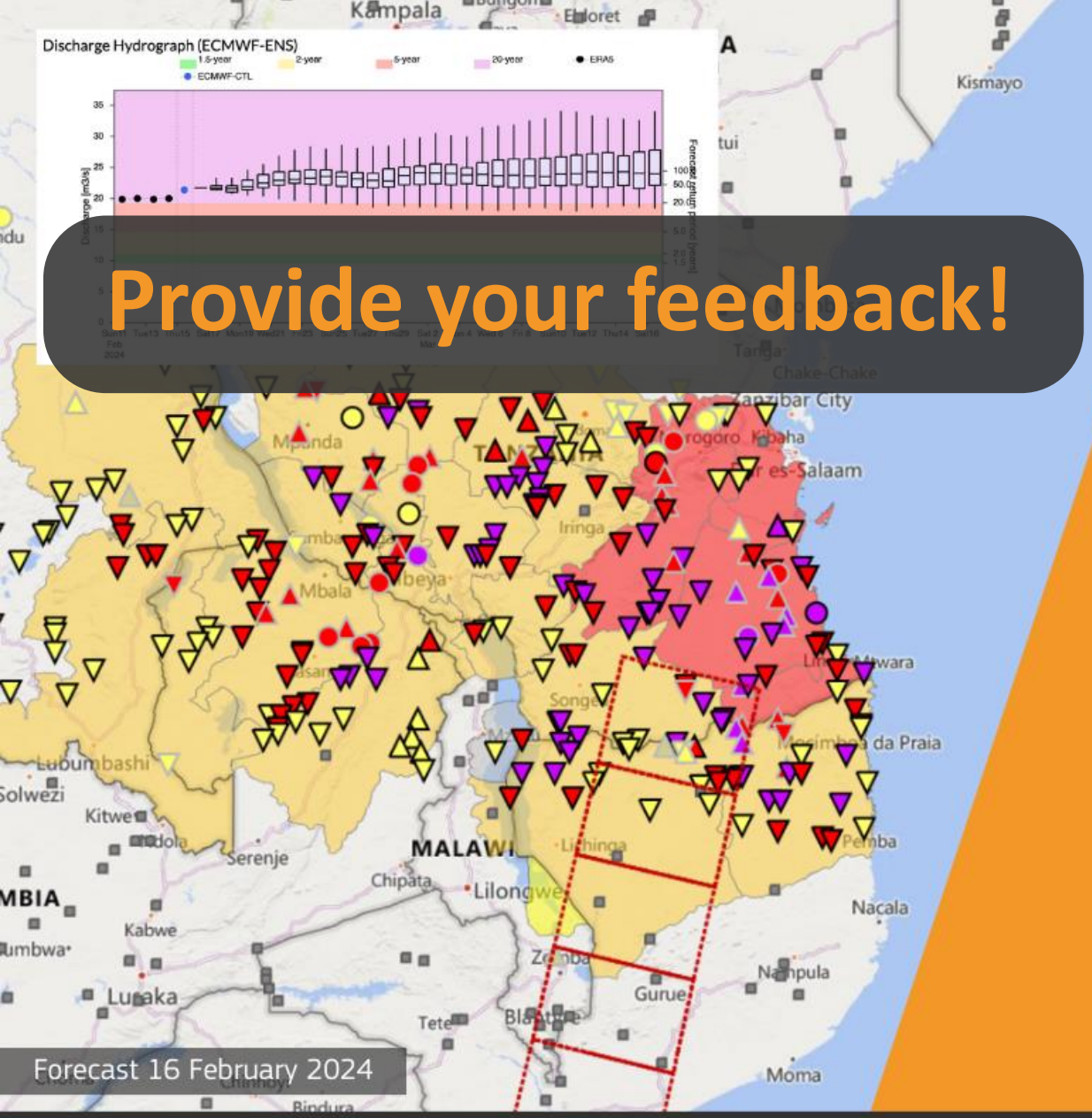

Provide your feedback!

2023

GloFAS and GFM Annual Survey

Deadline: 14 March 2024

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https://response.questback.com/smhi/glofasandgfmsurveyregarding2023

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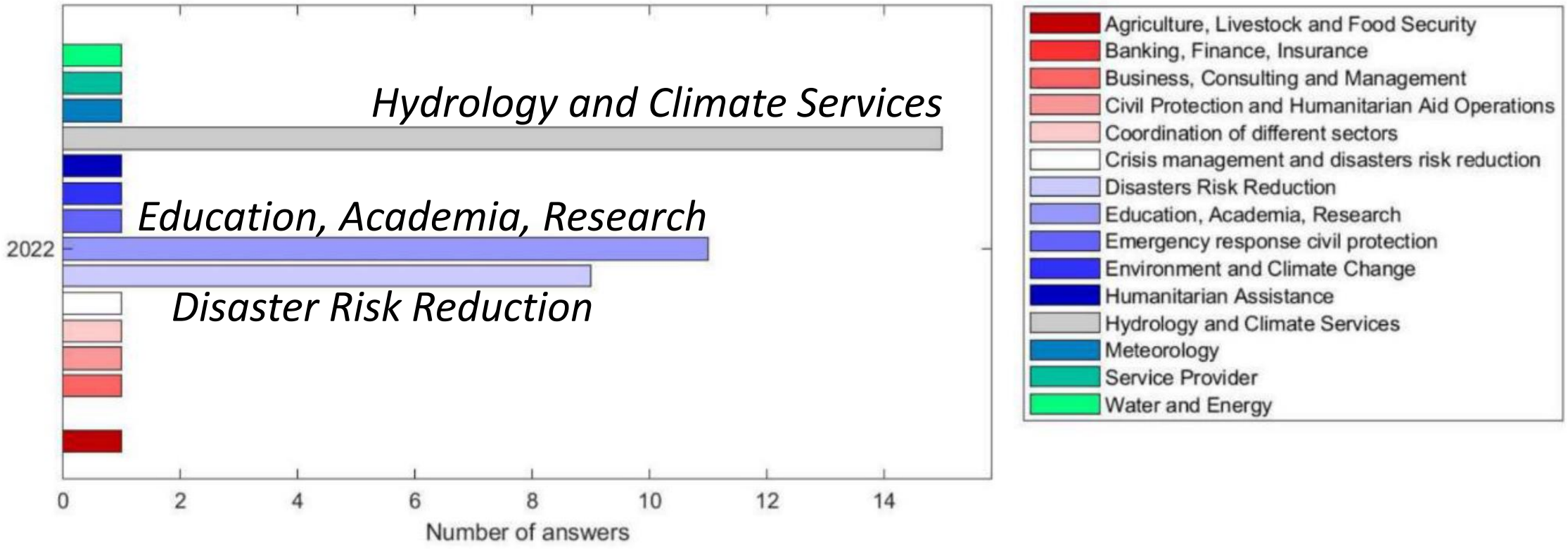
Users' background

» Reach out to more/other sectors?



GloFAS Map Viewer functionalities

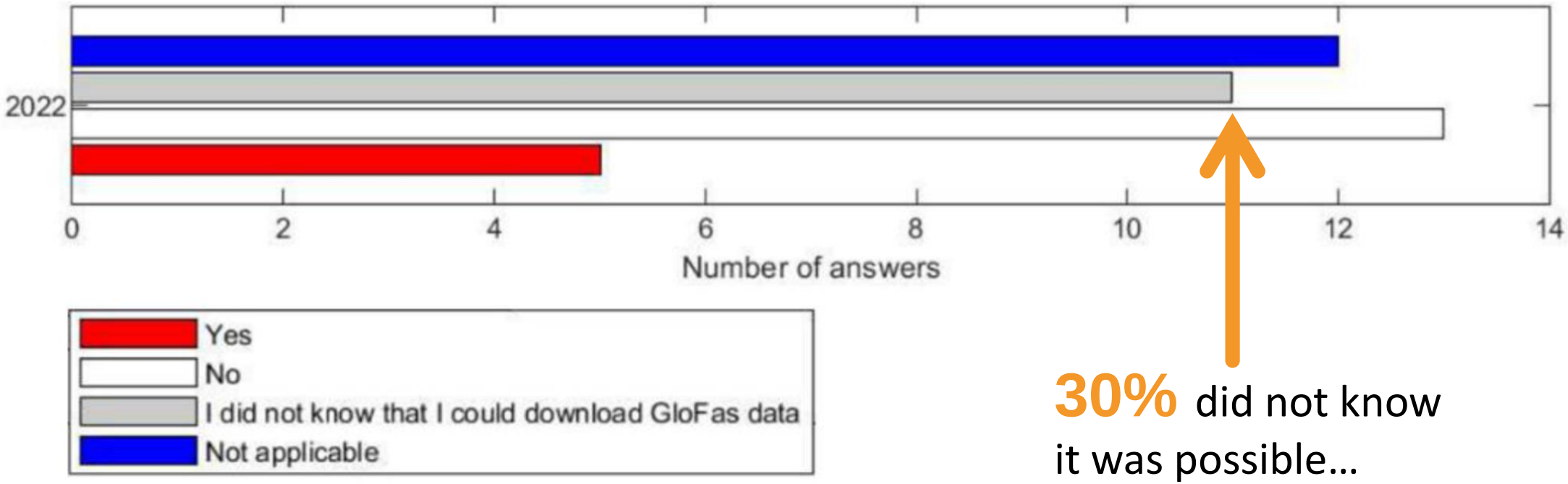
» Opportunity for the user to improve the experience of the service

- *Include a tool for changing the visibility of layers.*
- *Difficulties to move/navigate around (this was mentioned three times).*
- *Pop-out windows are difficult to find on small screens.*
- *Pop-out windows always show up on the top left corner hiding the main visualization tools.*
- *Layers are slow to load at times.*
- *It is challenging to look at multiple flood return periods.*
- *Country boundaries should be more visible.*

Are users downloading GloFAS data?

» You can download GloFAS data!

» Check out the CEMS-Flood Data User Guide for more information



30% did not know it was possible…

We have been listening

» While there is overall a high satisfaction with the provided service, we implemented a number of changes, mainly improving communication:

- Continued review of the FAQ section, CEMS GloFAS User Guide
- Continued improvement of the internal protocol to respond to requests submitted via the GloFAS contact form
- Improvements of the GloFAS webpage, e.g. introduction of a new functionality for searching through the news archive or restructuring of the Resources-tab
- Improved communication of data download opportunities and modalities

» **Find out more reading the full report:**
https://www.globalfloods.eu/get-involved/users-feedbacks/

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2022 Results for GFM

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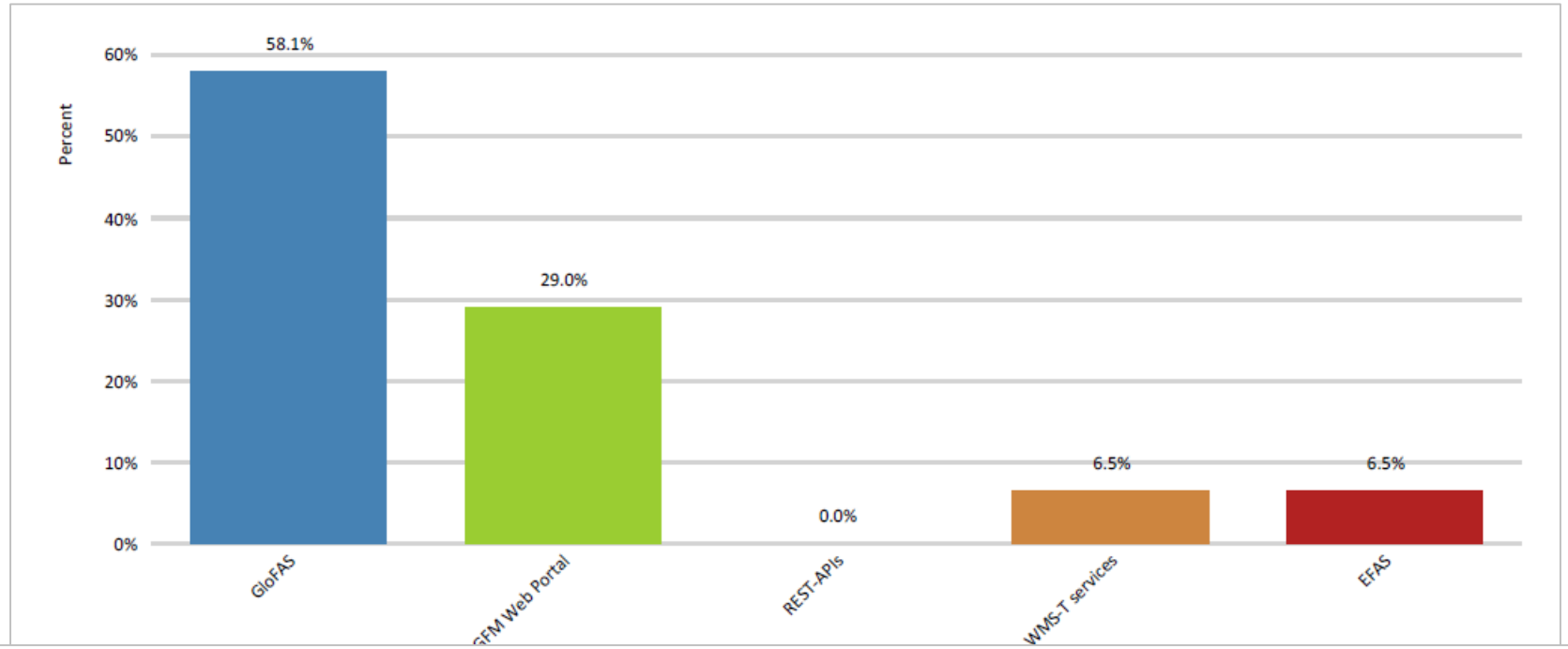
Most preferred channel to access GFM products



Name	Percent
GloFAS (www.globalfloods.eu	58.1%
GFM Web Portal (https://portal.gfm.eodc.eu/)	29.0%
REST-APIs (https://api.gfm.eodc.eu/v1/)	0.0%
WMS-T services (https://geoserver.gfm.eodc.eu/geoserver/gfm/vms)	6.5%
EFAS (www.efas.eu)	6.5%

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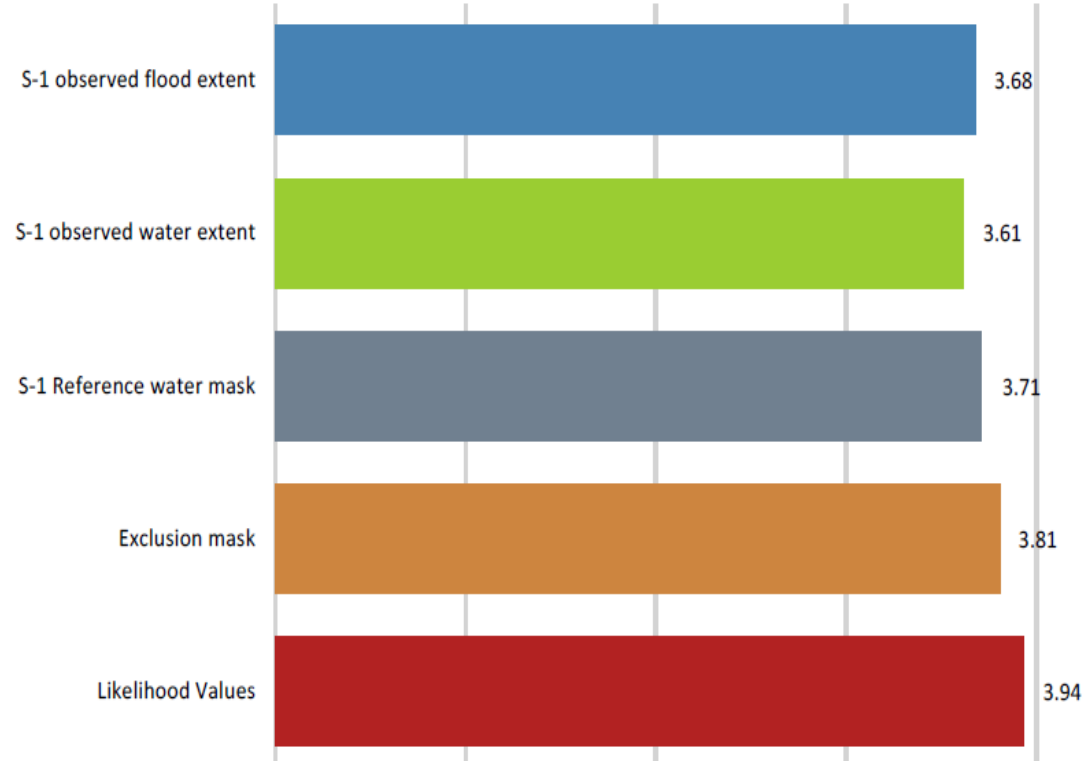
Level of satisfaction with GFM products



Improvements and developments as suggested by the end users

1. User Experience

a. To change the colour coding for inundated areas (reference water, flood water, water-covered areas on aggregate)

b. A clearer representation for the affected population layer, which is well known to be hard to spot given the very fine-scale of the GFM product output layers

c. To make GFM layers more responsive

d. To include more details in the description of the layers (add a link to the PUM and/or the PDD)

e. To improve the pop-up legend

Improvements and developments as suggested by the end users

2. General improvements

a. To double-check S-1 overpass schedule as sometimes they were found as inaccurate

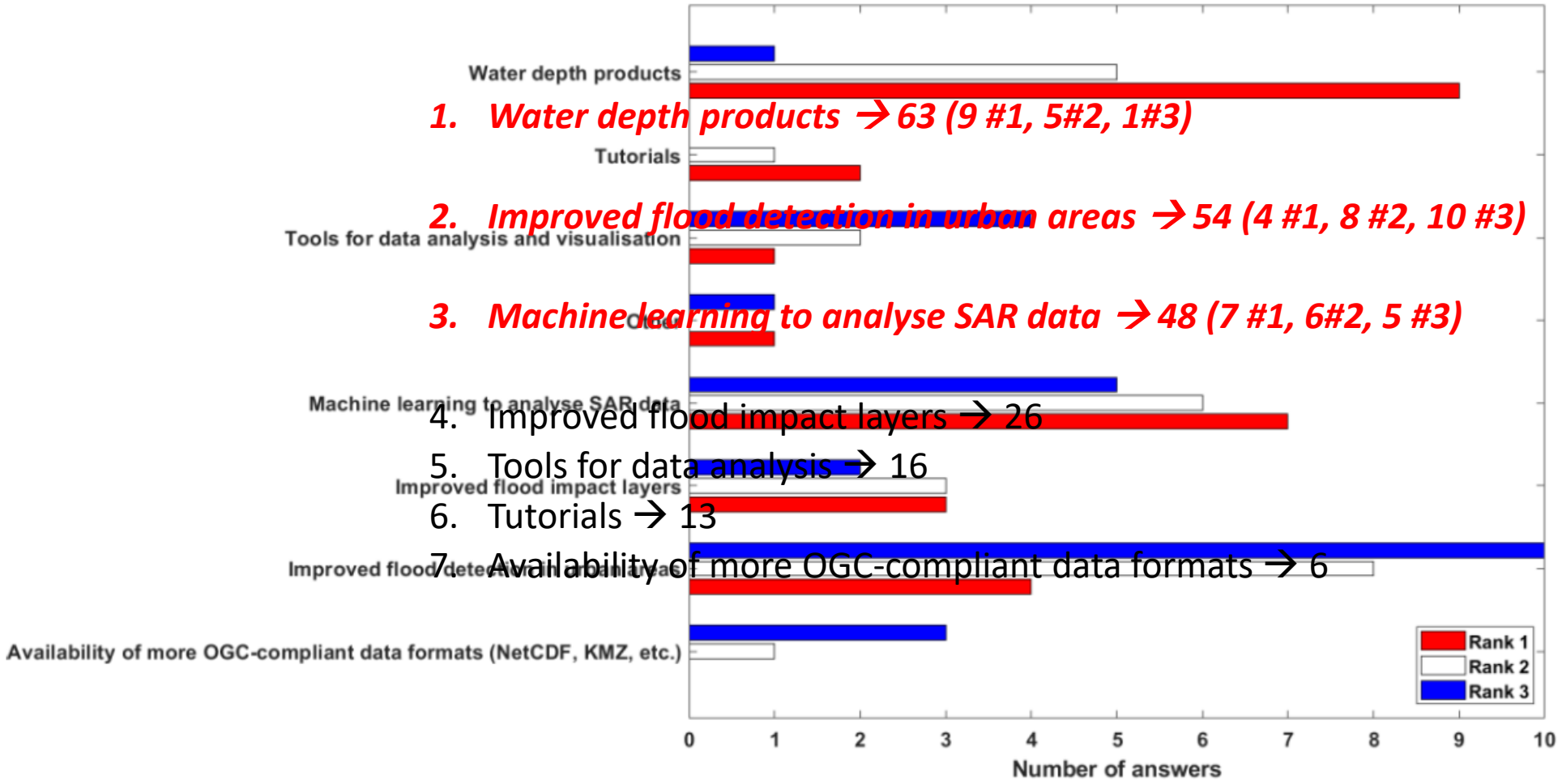
b. To better highlight the S-1 tiles that define GFM product output layers

c. To enhance the reference water mask

d. To add uncertainty (likelihood) and exclusion values also for the "reference water“

e. To refine the flood imagery on user-defined AOI rather than leaving it to the user

Long-term developments/evolution for GFM



1. ***Water depth products → 63 (9 #1, 5#2, 1#3)***
2. ***Improved flood detection in urban areas → 54 (4 #1, 8 #2, 10 #3)***
3. ***Machine learning to analyse SAR data → 48 (7 #1, 6#2, 5 #3)***
4. Improved flood impact layers → 26
5. Tools for data analysis → 16
6. Tutorials → 13
7. Availability of more OGC-compliant data formats → 6

Shape future developments!

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Thank you

Find the full report on globalfloods.eu:
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