

Notifications for real-time demonstration

EDERA Workshop - Madrid, 07-8 May 2024

Real-time compound impact forecasting for CPAs

Combining hazard and impact forecasts, official warnings and exposure and vulnerability datasets for compound impact forecasting to support coordination and cooperation of CPAs.



- Official NHMs warnings (Meteoalarm).
- Gauge-adjusted OPERA QPE.
- Probabilistic rainfall forecasts (0-120h).
- Storm hazard nowcasts (0-3h).
 - Hail.
 - Wind gusts.
 - Heavy rain.
 - Lightning.
- Storm impact nowcasts (0-3h).
- EDERA pluvial flood nowcasts (0-3h).
- EDERA FF hazard forecasts (0-120h).
- EDERA FF impact forecasts (0-120h).
- EFAS flood forecasts.
- EFAS rapid risk assessment.
- Other flow observations & forecasts.
- Combined exposure map (1km):
 - Population density.
 - Transportation networks.
 - Energy, health, education infrastructures.
- Flood hazard maps (Floods Directive)
- Critical points in flood areas
- Other critical points.

Integrated through tailored notifications

Notifications

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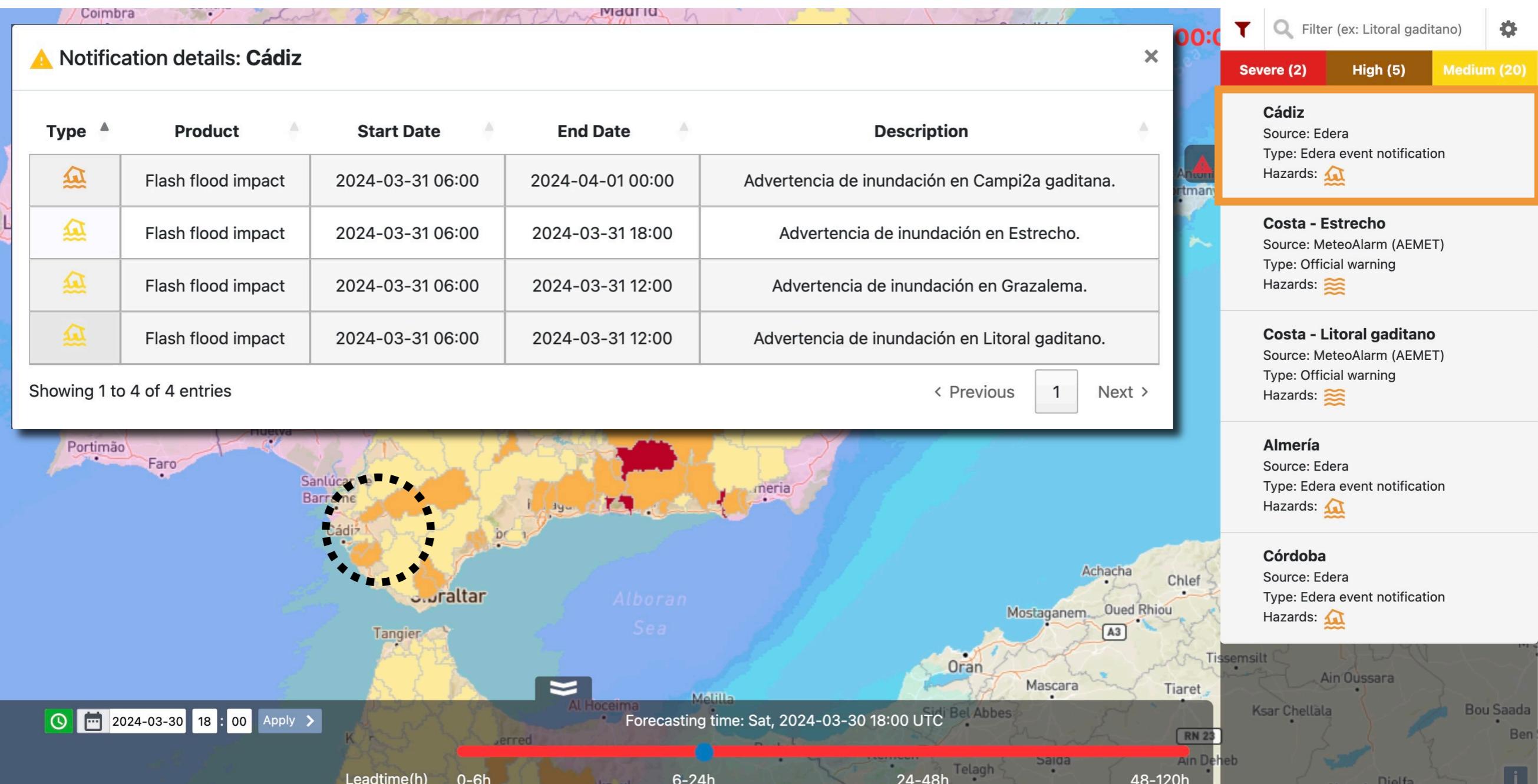
- Summarised over territorial units (depending on the level of CPA).
- Displayed in the list of notifications.
- Trigger of automatic messages (based on the thresholds and frequency defined by the user).

Examples:

- Official warnings (issued by the NHMs authorities).
- Directly based on the available real-time products.
- By dynamic combination of products and exposure datasets (e.g. significant flood hazard near a Seveso).

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The screenshot shows a web-based application for managing notifications. At the top, there is a map of Europe with various regions highlighted in different colors (pink, yellow, blue) and some icons. A blue arrow points from the bottom right towards the map. The main content area has a white background and includes the following sections:

- Notifications Updates**: A text block stating, "This email provides you with the latest updates on potential warnings related to your area. For more information you can access our [platform](#)".
- Regions with new information:** A section stating, "The following regions have received new notifications." followed by a list:
 - New level 3 warning for Almería.
 - New level 3 warning for Granada.
 - New level 2 warning for Granada.
 - New level 3 warning for Málaga.
- Active notifications:** A section stating, "Detailed list of currently active notifications." followed by a table:

Warning Type	Source	Area	Level	Start time	End time
Flood	Edera product notification (Impact)	Málaga	3	March 30, 2024, 7 p.m.	March 31, 2024, midnight
Flood	Edera product notification (Impact)	Granada	3	March 30, 2024, 7 p.m.	March 30, 2024, 10 p.m.
Flood	Edera product notification (Impact)	Almería	3	March 30, 2024, 7 p.m.	March 30, 2024, 11 p.m.
Coastalevent	Official Warning (AEMET. State Meteorological Agency)	Costa - Litoral gaditano	2	March 31, 2024, 1 a.m.	March 31, 2024, 6:59 a.m.
Coastalevent	Official Warning (AEMET. State Meteorological Agency)	Costa - Estrecho	2	March 31, 2024, 1 a.m.	March 31, 2024, 7:59 a.m.
Coastalevent	Official Warning (AEMET. State Meteorological Agency)	Costa - Ceuta	2	March 31, 2024, 2 a.m.	March 31, 2024, 6:59 a.m.
Flood	Edera product notification (Medium range impact)	Granada	3	March 31, 2024, 6 a.m.	April 1, 2024, 6 a.m.
Flood	Edera product notification (Medium range impact)	Málaga	2	March 31, 2024, 6 a.m.	April 1, 2024, midnight

On the right side of the main content area, there is a sidebar with a map of North Africa and a list of regions with notifications, each with a small icon and a blue arrow pointing to it:

- Cádiz**: Source: Edera, Type: Edera event notification, Hazards:
- Costa - Estrecho**: Source: MeteoAlarm (AEMET), Type: Official warning, Hazards:
- Costa - Litoral gaditano**: Source: MeteoAlarm (AEMET), Type: Official warning, Hazards:
- Almería**: Source: Edera, Type: Edera event notification, Hazards:
- Córdoba**: Source: Edera, Type: Edera event notification, Hazards:

At the bottom right, there is a small logo for the European Union and the text "Co-funded by the European Union".

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