





Flood Monitoring from the ground From Glofas RRA to impacts from social media

2nd Global Flood Forecasting and Monitoring Meeting

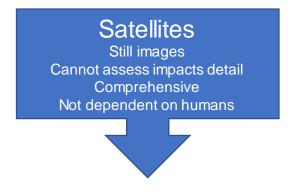
Valerio Lorini – JRC



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Emergency managers can assess impacts during a natural disaster through visual assessments, communication with local authorities and community members, and the use of technology such as drones or satellite imagery. Additionally, the use of citizen-generated data (e.g. social media posts, news articles, and videos) can enhance situational awareness by providing real-time information about impacts. Artificial intelligence can process large amount of information and provide insights in a much faster time frame than traditional methods.

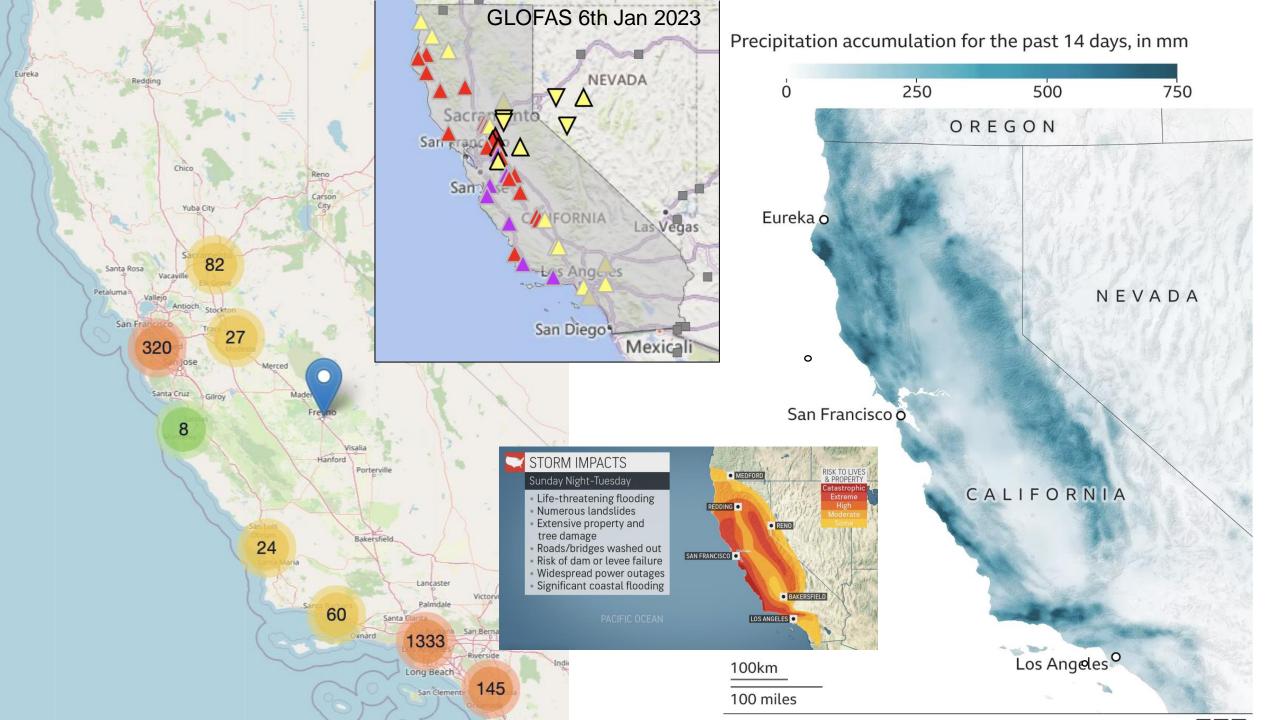
The use of AI and Crowd Sourced Information (CSI) can help emergency managers to assess impacts in near real-time and make informed decisions to support disaster response and recovery efforts.

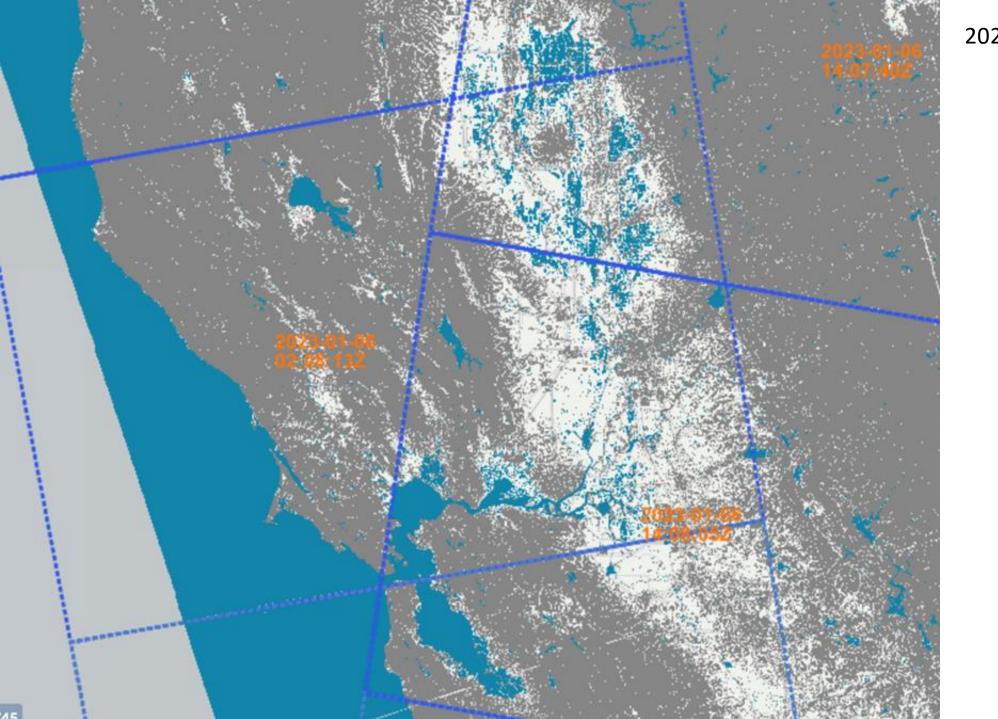


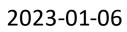




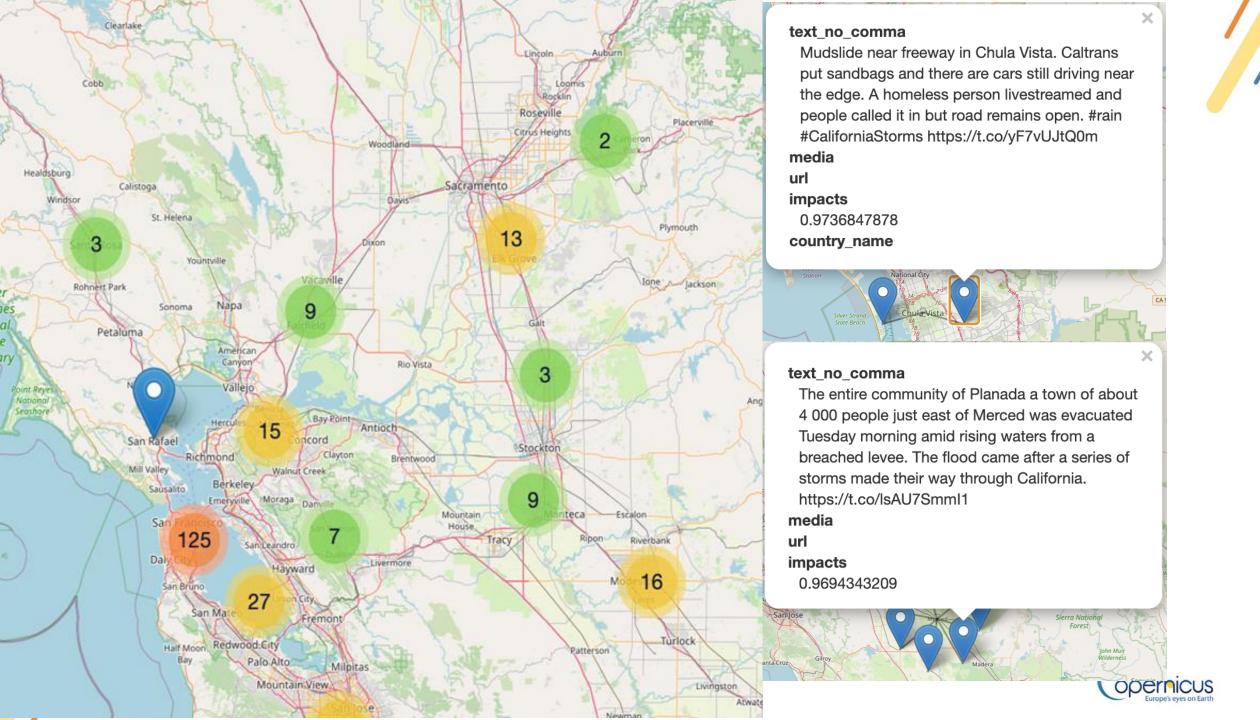


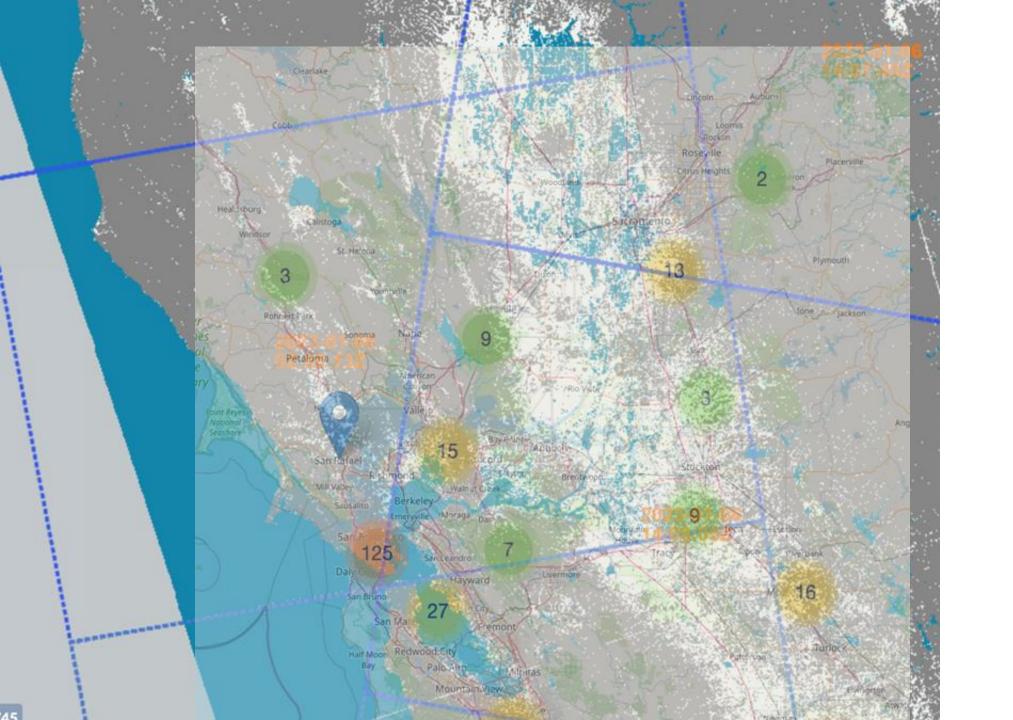














10366	10366	9442	Sat Jan 07 04:24:12 +0000 2023	en	City of Bakersfield crews clear dozens of trees damaged during storm https://t.co/2jNMwBRO3n https://t.co/B62xXrFPMW	0.93103	304523	United States	California	Kern
10367	10367	9443	Sat Jan 07 07:08:22 +0000 2023	en	City of Bakersfield crews clear dozens of trees damaged during storm https://t.co/2jNMwBRO3n https://t.co/B62xXrFPMW	0.93103	304523	United States	California	Kern
12356	12356	11380	Fri Jan 20 00:27:53 +0000 2023	en	Coyote Hills in Fremont is closed due to flooding. One of several East Bay Regional Parks closed because of storm damage #cawx https://t.co/1tGhgBgh5L	0.99089	969998	United States	California	Alameda
12913	12913	11925	Fri Jan 06 03:46:41 +0000 2023	en	² Watsonville where flooding was especially catastrophic. The county says the storm caused at least \$10 million in damages to roads and infrastructure. Authorities have reported at least two weather-related deaths from the latest storm this week.	0.99849	995127	United States	California	Santa Cruz

The platform's SMDRM aim is to intelligently process the vast amount of information generated by a crowd and provide actionable insights to crisis responders in real-time.

Using crowdsourced information in the disaster management requires validating the information, and it's important to have Practitioners to verify the information and to make sure that it's accurate, reliable, and fit-for-purpose for their needs.





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