EMERGENCY MANAGEMENT AND HUMANITARIAN AID SESSION MOM

Meeting Date	08.10.2024	**Time**	09:00-16:30
Meeting Called By	EUSPA	**Location**	Online event
Minutes Taken By	Marc LEMINH (FDC)	**Next Meeting Date**	N/A
Attendees	**Vasileios Kalogirou, EUSPA, Session moderator** **Teresa Martinez, EUSPA c/o Telespazio** **March Leminh, FDC, Panel coordinator** **Ana Maria Melendez, FDC** **User Community Representatives (UCRs)** Frédéric Pons, CEREMA Philippe Meresse, Entente Valabre Sabrina Rewaldt, Leiden university (humanitarian law) Thomas van der Sommen, Prakken d'Oliveira Human Rights Lawyers Christian Riessner, ICC Vincent Cillessen, Dutch Police Vladyslav Chyryk, Truth Hounds		
Distribution (in addition to attendees)	UCP Plenary, EUSPA, Public		

Agenda Items	Presenter
1. Welcome and introduction to the Emergency Management & Humanitarian Aid session	Vasileios Kalogirou, EUSPA
2. The Copernicus Emergency Management Service (EMS): overview, current state and evolution.	Peter Salamon, EC DG DEFIS
3. Galileo EWS current state and future services for Emergency Management & Humanitarian Aid	Vincent Chatelee, EUSPA
4. Govsatcom	Giorgios Synnefakis, EUSPA
5. European Framework: the Floods Directive	Ioannis Kavvadas, DG ENV
6. EUSpace for floods preparedness and management: user perspective	Frédéric Pons, CEREMA
7. EUSpace for floods preparedness and management: industry feedback	Franck Ranera, ICEYE
8. EUSpace for floods preparedness and management: Service provider view	Federico Di Paolo, Waterjade
9. Exchange with participants	
10. Advancing wildfire management with EUSpace: user perspective	Philippe Meresse, Entente Valabre
11. Advancing wildfire management with EUSpace: industry view	Pia Feurstein, Ororatech

12. Advancing wildfire management with EUSpace: Satcom for firefighters	Mathieu Teyssier, Laurent Fichot, Telespazio
13. Exchange with participants	
14. EUSpace for supporting human rights: introduction	Wim Ploeg, Network Space Evidence for Human Rights
15. EUSpace for supporting human rights: evidence in courts	Sabrina Rewaldt, Leiden university (humanitarian law)
16. EUSpace for supporting human rights: evidence in courts	Thomas van der Sommen, Prakken d'Oliveira Human Rights Lawyers
17. EUSpace for supporting human rights: user perspective	Lars Bromley, UNOSAT
18. EUSpace for supporting human rights: user perspective	Christian Riessner, ICC
19. EUSpace for supporting human rights: user perspective	Vincent Cillessen, Dutch Police
20. EUSpace for supporting human rights: user perspective	Vladyslav Chyryk, Truth Hounds
21. Exchange with participants	
22. Conclusions and closing remarks	Vasileios Kalogirou, EUSPA

Summary and Outcome of Deliberations

The Emergency Management and Humanitarian Aid panel of the User Consultation Platform (UCP) 2024 took place on 8th October 2024 as an online event. The event was divided in two sessions: the morning session, covering i) floods preparedness and management and ii) wildfire management and the afternoon session covering the use of EO to document human rights violations.
The sessions gathered around 50 participants per session.

The panellists gave in depth presentations of their applications, how they use satellite technologies (EO, GNSS and SatCom, when applicable) and shared some of their specific requirements. The use of Satcom was addressed as well in the morning session. This broad coverage generated interest from the participants and helped start good interactions via the chat and live.

The most tangible needs (or areas requiring specific action) identified are the following:

- While Copernicus EMS is useful at strategic level, it might not always directly feed operational and tactical actions as wildfire is very dynamic and data needs to be near real time.

- As an answer to the integration of private suppliers and start-ups with Copernicus EMS, a possible **Dynamic Service Purchasing system** that would allow users to experiment and buy industry products complementary to EMS was suggested.

- For floods preparedness and management, the main use of satellite EO is for the improvement of **digital terrain models** that are used in risk maps. Actual flood mapping is then used to calibrate the risk maps and a **sub meter accuracy** is desired.

- For firefighting, the need for **wildfire defendability maps** with a 10m scale was identified which is non-existent at EU-level (also lacking common standards).

- **Near-real time** for detection and monitoring of wildfire is a need. Detect a starting fire in less than **5 minutes** ; the needs for fire tracking is to follow the fire every **15-20 min**

- Many space-based solutions are available but users **lack understanding and benchmarking** for choosing the right one: there is a need for benchmarking studies or dedicated demonstration frameworks

- The Human Rights community is **lacking a dedicated service/hub for centralizing** data, success cases, examples, best practices that can support better understanding and uptake

- The need for **standards and common vocabulary** for Human Rights was highlighted; although references were made to possible work executed by JRC on this field

- Finally, there is a **need to ensure/authenticate the chain of custody** for the imagery (integrity of data). Traceability is offered as a service in CDSE (Copernicus Data Space Ecosystem) but possibly only for Sentinel data.

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