

## 2026 Common Alerting Protocol (CAP) Implementation Workshop and Training 6-8 October in Birmingham, England

The [U.K. Environment Agency](#), the [OASIS Open Alert-Hub.Org CIC](#) are hosting the 2026 Common Alerting Protocol (CAP) Implementation Workshop. The [International Association of Emergency Managers \(IAEM\)](#) is a sponsor.



Documents pertaining to the Workshop and Training are posted to the Workshop [website](#).

The 2026 CAP Implementation Workshop will be 7-8 October, 9-5:30 BST, at [The Priory Rooms](#) in Birmingham, England. The Workshop follows [CAP Training](#) on 6 October, 9-5:30 BST, at the same venue.

Everyone interested in emergency alerting is welcome: managers, technical staff, media, etc., including government, non-governmental organizations (NGOs), and commercial firms. There is no charge to participate. For those who cannot participate in person, Webinar call-in instructions will be sent to everyone registered. Click [here](#) to register.

CAP Implementation Workshops focus on emergency alerting enabled by [OASIS CAP standard: International Telecommunication Union Recommendation X.1303](#). At the Workshops, implementers of CAP and other associated organizations discuss common issues and how to leverage the expanding adoption of CAP. For example, the [2025 CAP Implementation Workshop](#) had about 900 persons registered as participants. They were from 143 countries/territories plus many international organizations, commercial companies, academic institutions, and non-governmental organizations.

There is broad consensus today that public emergency alerts should be represented in CAP format, regardless

of dissemination technology. CAP provides the common authoritative representation of an alert from which multiple dissemination channels can be derived. These include Internet services, mobile networks, push notifications, radio or television broadcast interruptions, social media, streaming interruptions, and technologies not yet invented.

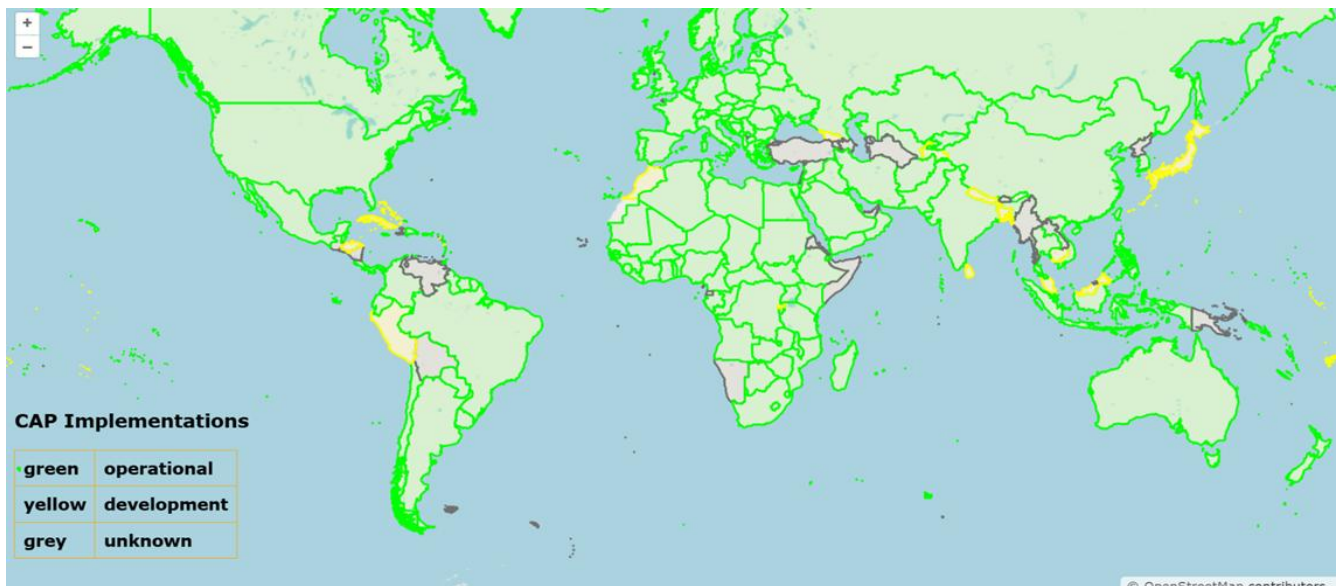
The CAP-enabled public alerting infrastructure worldwide is a federation of national alerting, with dissemination of those official CAP alerts routinely supported by many independent republishers. This approach is exemplified by the CAP republishers listed [here](#) by [Alert-Hub.Org CIC](#). Some of these are UN-led, but most are led by commercial and other types of organizations (e.g., AccuWeather, Esri, Google, IFRC, KDE, Windy.com).

CAP uptake is nearly worldwide: 97% of the world's population now lives in a country with at least one national CAP feed operational (90%) or in development (7%). [CAP implementation by country](#) is seen in [this zoomable map](#) or in the map below. One challenge is to strengthen uptake by national alerting authorities other than those dealing strictly with natural hazards.

CAP is a key component of the international Early Warnings for All (EW4All) initiative. EW4ALL produced a 90-second introductory CAP video, available [here](#).

Although CAP is designed for public alerting across all available media, serious gaps remain. Users of online streaming do not get an emergency "crawl text" on video being watched nor an emergency tone and message on audio being heard, as they do when using traditional "over the air" radio and television. Mobile alerting does not always include an associated CAP alert, and the same is true of push notifications. And, Social Media emergency warnings rarely reference an underlying CAP alert (as required in Europe by CEN).

There is active discussion concerning the use of Artificial Intelligence (AI) in the context of CAP-enabled emergency alerting. One principle is that human oversight and explainability are essential for AI-assisted Guidance. This is especially true in life-critical



applications, where an AI-assisted Guidance product informs official decisions and thus becomes part of the evidentiary record. All parts of that record must be preserved, well-documented, and verifiable, including their data sources, methods, and provenance, consistent with international principles of transparency and accountability. Such guidelines are likely to be part of a new section in the [Common Policies and Practices](#) compiled by Alert-Hub.Org CIC.

There will be 20+ presentations in the Workshop [Programme](#), selected from responses we get from our [Call for Participation](#). Here below are some likely topics.

There will be discussion about accelerating and harmonizing CAP in emergency alerting for volcanoes. A workshop titled "Advancing Volcanic Hazards in Early Warnings for All" was held in July 2025 at WMO. Among its Key Recommendations was to: "Adopt inclusive, multi-channel warning dissemination for hazardous volcanic events (ideally by the mandated national authorities) through the implementation of Common Alerting Protocol (CAP) globally at Volcano Observatories, ensuring redundancy, and fostering trust through community engagement and scenario-based messaging."

Another topic will focus on the of CAP in flood warning. Notably, in an [exploration of flood hazards](#) in its 2025 Global Assessment Report on Disaster Risk Reduction, UNDRR asserts: "Between 1970 and 2019, water-related hazards accounted for 50% of all disasters and 45% of all reported deaths. Since 2000, the number of recorded flood-related disasters has risen by 134% compared with the two previous decades."

We can expect public warning for tsunami to be a topic at this Workshop as well. A fairly recent development is that UNESCO IOC is developing, in collaboration with WMO, a global CAP template for Tsunami Service Providers (TSPs). This is to facilitate dissemination of tsunami bulletins: from TSPs to National Tsunami Warning Centers (NTWCs); between TSPs of different basins; and for public TSP bulletins.

The OASIS EM TC has been working on advice for harmonizing how CAP is used at the interface to Cell Broadcast systems. An update on how this work has progressed will be a topic for discussion, as it has been in several recent CAP Implementation Workshops.

As in past CAP Workshops, Google Public Alerts will discuss their perspective on policies and practices that are important to the particular ways they leverage CAP. Google requirements for CAP Alerts and Feeds are also in the [Common Policies and Practices](#) document.

The chair of the OASIS EM TC will provide updates on their work. Also, a meeting of the CAP Subcommittee will occur after conclusion of sessions on October 8.

The CAP Training on September 8 will cover the basics of CAP and will provide hands-on instruction for the

cloud-based CAP Editor freeware. It will also survey the diverse "last mile media" that can leverage CAP to help reach everyone in harm's way.

Alert-Hub.Org CIC will describe a free resource that transforms the CAP alerts aggregated from [Alert Hub sources](#) into a dynamic, near-real-time GIS Feature Layer (available [here](#)). Such a service facilitates GIS analysis and functions such as geofencing. Having CAP alerts easily integrated in GIS also helps integrate CAP alerts in Situation Awareness resources used by Emergency Operation Centers (EOCs) in cities, countries, and regions worldwide.

CAP Training on 6 October is open to participants in the CAP Workshop. All registered participants will also get Webinar call-in instructions for the Training.

CAP Implementation Workshops are technical meetings conducted in English without interpretation. These meetings do not set policy; they are intended solely for information sharing among experts. Accordingly, participants represent themselves and need not be formally associated with organizations. Registration is necessary to receive the required password for the video conference.

Materials from the 18 prior CAP Implementation Workshops are available at these links:

- [2025 Rome, Italy](#)
- [2024 Leuven, Belgium](#)
- [2023 Geneva, Switzerland](#)
- [2022 Amsterdam, The Netherlands](#)
- [2021 Geneva, Switzerland \(remote only\)](#)
- [2020 Geneva, Switzerland \(remote only\)](#)
- [2019 Mexico City, Mexico](#)
- [2018 Hong Kong, China](#)
- [2017 Rome, Italy](#)
- [2016 Bangkok, Thailand](#)
- [2015 Rome, Italy](#)
- [2014 Negombo, Sri Lanka](#)
- [2013 Geneva, Switzerland](#)
- [2012 Montréal, Canada](#)
- [2011 Geneva, Switzerland](#)
- [2009 Geneva, Switzerland](#)
- [2008 Geneva, Switzerland](#)
- [2006 Geneva, Switzerland](#)

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