

2023 Common Alerting Protocol (CAP) Implementation Workshop and Training

10-12 October in Geneva

The [United States Agency for International Development \(USAID\)](#) and [Alert-Hub.Org CIC](#) are hosting the 2023 Common Alerting Protocol (CAP) Implementation Workshop and Training. Both events will be in the Lindbergh Room at the Movenpick Hotel, Rte de Pré-Bois 20, 1215 Geneva, Switzerland. The [Training](#) will be 10 October, 9:30-17:30 CEST; the Workshop will be 11 - 12 October, 9:30-17:30 CEST. Click [here](#) to register.



For those who cannot participate in person, Webinar call-in instructions will be sent to everyone registered. Documents pertaining to the Workshop and Training are posted to the Workshop [website](#).

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.

This Workshop is co-sponsored by the [International Association of Emergency Managers \(IAEM\)](#) and the [OASIS](#) standards organization.

CAP Implementation Workshops focus on emergency alerting as enabled by the [CAP standard, ITU-T 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.

Today, 86% of the world's population lives in a country with at least one national CAP feed operational, and another 5% have CAP in testing. [CAP implementation](#)

[by country](#) is shown in [this zoomable map](#) and in the static map below.

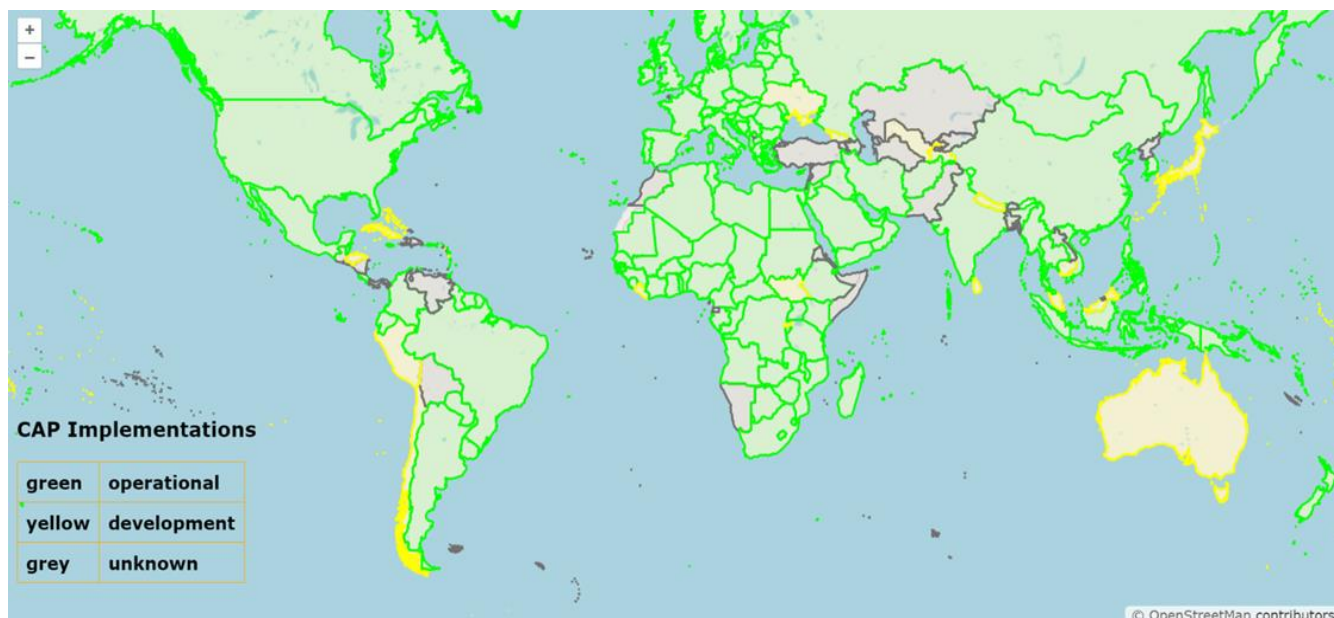
Sadly, developing nations and small nations have lagged behind other nations in their uptake of CAP. This gap in uptake inspired the [Call to Action on Emergency Alerting](#), endorsed by the Workshop co-sponsors plus [International Federation of Red Cross and Red Crescent Societies \(IFRC\)](#), ITU, [United Nations Office for Disaster Risk Reduction \(UNDRR\)](#), [World Broadcasting Unions \(WBU\)](#), and the World Meteorological Organization (WMO), among others.

The opening two sessions of the CAP Training Day will cover the basics of CAP, a quick survey of operational CAP implementations, and, hands-on instruction on the cloud-based CAP Editor freeware. Also of note is the UN Global Digital Compact, for which our community provided this input: "Timely warning of life-critical emergencies is essential to public communication services." Endorsements of this input can be seen [here](#).

The Training Day will also note a new [CEN Workshop Agreement](#): "Requirements and recommendations for social media early warning messages in crisis and disaster management". It includes this requirement: "To ensure consistency, clarity and completeness of the messages disseminated simultaneously across different channels, the social media early warning messages and related notifications shall refer to the persistent unique URL of the CAP message."

Next on the Training Day, IFRC will preview its CAP Editor freeware, currently under development. Then there will be a presentation about country level collaboration and barriers to enabling CAP alerting, from a local perspective in Africa.

The Training Day will have a two-hour session concerning CAP Over Mobile Networks. This will include an introduction to an OASIS committee note about mobile alerting, and discussions on leveraging advancements in geographic targeting of wireless alerts enabled by CAP to effectively warn the public.



Training Day participants will hear about the Esri "CAP Connector" tool that transforms any CAP Alert Hub feed into a dynamic, near-real-time Geographic Information Systems (GIS) Feature Layer on Esri GeoEvent Server. Such a service facilitates GIS analysis and advanced functions such as geofencing.

The Training Day will also cover [version 2.0 of the Common Policies and Practices document](#). This document compiles specifics for major CAP Services such as Google Crisis Response, IFRC Alert Hub, MeteoAlarm, meteoblue, Open Broadcaster, Traveler Information Services Association, WMO Alert Hub, and WMO Severe Weather Information Centre (SWIC).

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

The CAP Implementation Workshop will start with a presentation on "The Use of Artificial Intelligence (Chatbot) for Emergency Warning". Workshop participants will also hear presentations focusing on CAP implementation in various nations, including Canada, China, Egypt, Germany, India, Italy, Timor-Leste, Zambia and Zimbabwe.

A representative from Japan Telecommunications Engineering and Consulting Service (JTEC) will present about the CAP projects they are supporting in multiple countries. Then the participants will hear about the emergency messaging needs for women farming communities. A One-Stop Alert Information Services platform will be presented by an expert in GIS. Next will be a presentation on how SWIC Alert Hub relates to the Common Policies and Practices document.

IFRC will provide an update on the IFRC Alert Hub initiative and other aspects of their CAP engagement. There will also be a presentation on how to build security awareness for a community.

USAID will provide remarks on its CAP activities, including the [UN 'Early Warnings for All' Action Plan](#), which builds on the worldwide CAP infrastructure. Specifically, Pillar 3 of the Plan has actions to "Establish CAP editor and Alert Hub to further enhance multi-hazard CAP based emergency alerting". ITU and IFRC, as well as WMO, have leadership roles in the Plan. The USAID presentation might also touch on Global Flash Flood Guidance and on the World Bank's Global Facility for Disaster Response and Recovery.

World Broadcasting Unions will give an overview of their ongoing [DRR: Media Saving Lives](#) work. Focused on radio and television news broadcasters worldwide, this UNDRR project includes WMO as a collaborator.

Traveler Information Services Association will present a status update on implementations of the [TPEG2 Emergency Alerts and Warnings \(EAW\) standard](#). This standard helps enable CAP alerts, such as are aggregated by CAP Alert Hubs, to go directly to in-

vehicle navigation systems, such as Garmin, Tom-Tom, and those offered by car manufacturers worldwide.

There will be an update on work of the [OASIS Emergency Management Technical Committee](#).

A representative of the non-profit [GSM Association \(GMSA\)](#) of mobile network operators, will discuss the Humanitarian Connectivity Charter in terms of engaging the mobile industry in disaster resilience.

The Workshop will also hear from the ITU Development Bureau about its CAP-related activities in support of its Emergency Telecommunications roles. This includes ITU guidance on CAP implementation as part of the [National Emergency Telecommunications Plan \(NETP\)](#).

WMO will provide updates on its activities relevant to CAP. This could also bring up the UN 'Early Warnings for All' Action Plan, which dovetails with the WMO [Global Multi-hazard Alert System \(GMAS\)](#). GMAS will likely be covered in the WMO presentation as well.

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. Participants from any WMO Member agency should note guidance in the [Workshop announcement Letter](#) from WMO Secretariat.

Materials from the 15 prior CAP Implementation Workshops are available at these links:

- [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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CAP Implementation Workshop:

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