

2017 CAP Implementation Workshop

Rome, 20-21 September 2017

WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

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WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

2017 CAP Implementation Workshop

World Meteorological Organization

- **Perspective**
- **Components**
- **Capacity Building**

World Meteorological Organization

Perspective

- **WMO to assist the NMHSs of its 191 Members to provide:**
 - warnings and information of high impact weather and extremes of climate to government authorities and disaster management to aid them in their decision-making processes to protect the lives, livelihoods and property of the citizens.

World Meteorological Organization

- **1994, WMO creates the Public Weather Service Delivery Div. Weather and Disaster Risk Reduction Services Dept.**
- Develop capacity for Impact Based forecasts and Warning services;
- Establish and improve multiple channels of communication of Weather forecasts and warnings;

World Meteorological Organization

Cont.,

- Provide training on working with the Disaster Management community and stakeholders;
 - Encourage the international exchange of forecasts and warnings.
 - Develop capacity to provide warnings in the **Common Alerting Protocol (CAP)**
- WMO PWS/SDD w/c **Tropical Cyclone Programme (TCP)** and the **Severe Weather Forecasting and Demonstration Project (SWFDP)** of WMO.

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Components

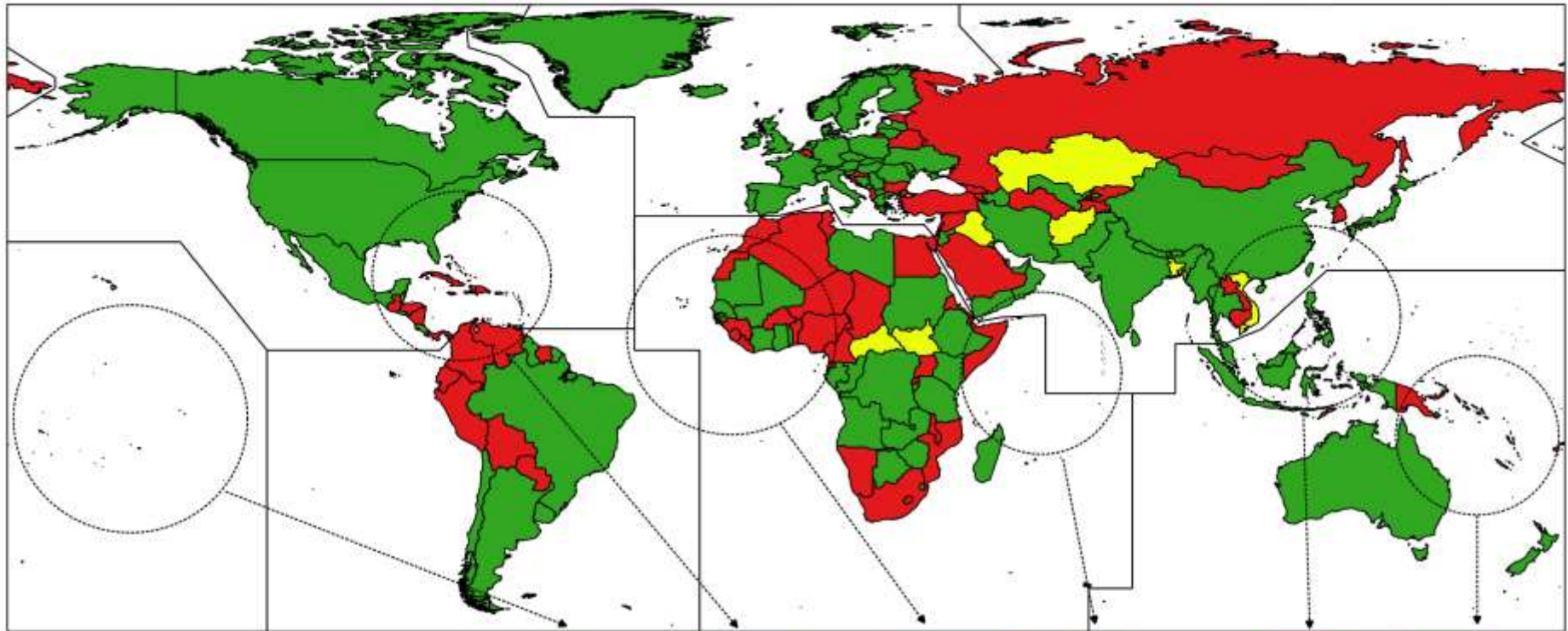
➤ Official Alerting Authority

- NMHSs or any other nationally authorized organization, registered in the **Register of WMO Members Alerting Authorities** established by **WMO** and **ITU**
- **CAP** allows the **OAA** to activate multiple warning systems with a single input.

➤ CAP Editor

- Designated by the Permanent Representatives of the WMO Members to maintain their register entries.

Public Weather Services Alerting Authorities Editing Status



Legend (191 WMO Members In Total)

- Nominated An Editor AND Edited (110 Members)
- Nominated An Editor BUT No Edited (11 Members)
- Not Nominated Editor (70 Members)

Note:

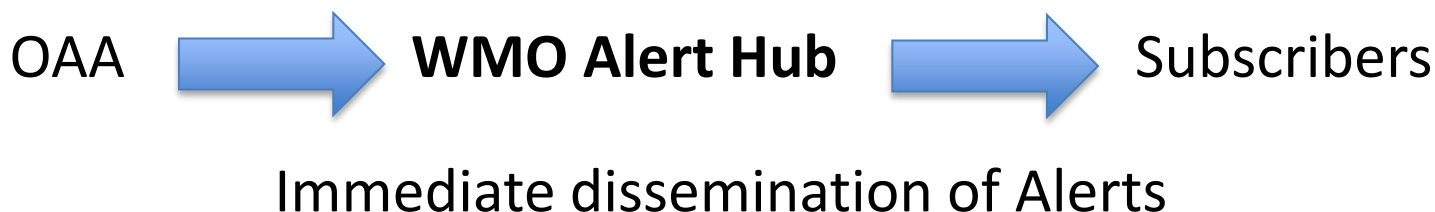
Public Weather Services established this editing register of information about alerting authorities as identified by Members.

All content included on this map is for informative purposes only. For detail, please read WMO Disclaimer at public.wmo.int/en/disclaimer.

Cook Islands	Antigua and Barbuda	Republic of Cabo Verde	Comoros	Brunei Darussalam	New Caledonia
Fiji	Anguilla (NOT WMO MEMBER)	Sao Tome and Principe	Maldives	Hong Kong, China	Solomon Islands
French Polynesia	Bahamas		Marshall Islands	Hawaii, China	Vanuatu
Samoa	Cayman Islands (NOT WMO MEMBER)		Seychelles	Singapore	Micronesia, Federated States of
	Curaçao and Sint Maarten			Tuvalu	
	Trinidad and Tobago				
	Barbados				
	Saint Lucia				
	British Caribbean Territories				
	Dominica				
	Dominican Republic				
	Haiti				
	Jamaica				

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➤ CAP Alert Hubs



➤ Filtered Alert Hub software

Filters CAP alerts by location, content, sources, priority (e.g. hazards App to satisfy the needs and requirements of the digital society)

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Benefits

- Provides support at the Strategic, Operational and Technical levels;
(**NMHSs** in close relation to EMA, Civil Protection, Governmental entities, Fire Corps, Red Cross, ONGs, traditional and digital media, alerting intermediaries e.g. Google and other web-based aggregators, etc.)
- Contributes to Public Alert dissemination;
- Contributes to Situational Awareness, Decision-Making and Planning;
- Improves societal resilience to all hazards (natural, high-impact weather, climate extremes)

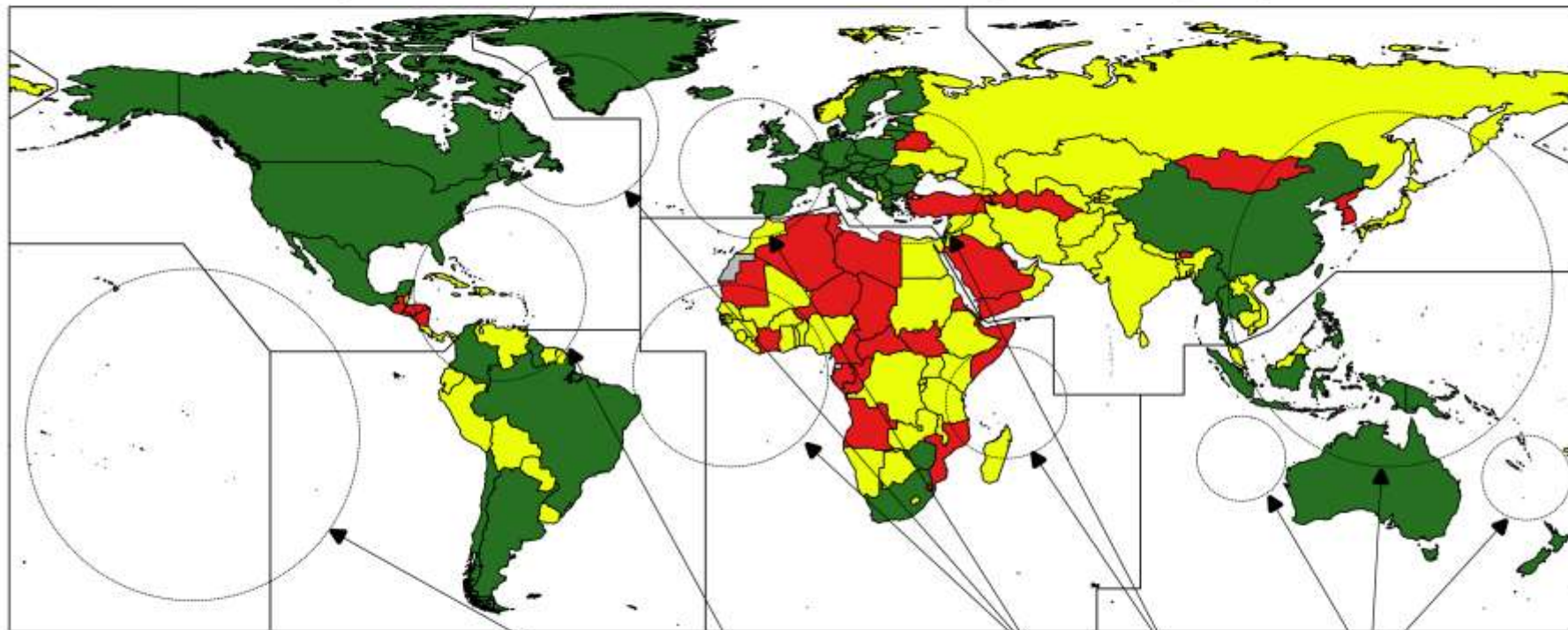
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Capacity Building

- Common Alerting Protocol (**CAP**) Implementation Workshop (latests: Rome, 2015; Bangkok, 2016; Rome, 2017)
- The World Meteorological Organization (WMO) through the Public Weather Services (PWS) Programme offers expert assistance to NMHSs on how to implement the **CAP** standard.

91 WMO Member countries have implemented 47%
59 Implementation in progress 30%
42 still remaining 23%

Implementation Of The Common Alerting Protocol (CAP)



Legend (209 Places In Total)

- Have Implemented Operational CAP System (91 Places)
- CAP Implementation Process Initiated (59 Places)
- Status Unknown (42 Places)
- Not WMO Member (17 Places)

American Samoa (U.S.)
Samoa
Tonga
Niue
Cook Islands (New Zealand)
French Polynesia
Kazakhstan
Micronia Islands
Tokelau (New Zealand)
Wallis and Futuna Islands (France)

Anguilla (U.K.) Puerto Rico (U.S.)
Virgin Islands (U.S.)
Aruba (Netherlands) Antigua and Barbuda
Barbados Bahamas Bonaire (Netherlands)
Curacao Dominica Dominica Republic
Jamaica Montserrat Saba (Netherlands)
Saint Lucia Sint Eustatius (Netherlands)
Sint Maarten (Netherlands) French Guiana
Cayman Islands (U.K.) British Caribbean Territories
Guadeloupe (France) Curacao and Sint Maarten
Martinique (France) U.S. Virgin Islands (U.S.)
Saint Barthelmy (France) Trinidad and Tobago

Republic of Cabo Verde
Greenland (Denmark)
Faroe Islands (Denmark)
Sao Tome and Principe

Maldives
Comoros
Palestine
Mauritius
Gibraltar (U.K.)
Kosovo
Mayotte (France)
Reunion Islands (France)
Saint Pierre and Miquelon (France)
Seychelles
Macau City State (only Sao)

Guam (U.S.) Taiwan (China)
Solomon Islands
Hong Kong, China (P.R.)
Macao, China
Micronesia, Federated States of
New Caledonia Singapore
Tuvalu Vanuatu
Brunei Darussalam
Christmas Island (Australia)
Cocos (Keeling) Islands (Australia)
Northern Mariana Islands (U.S.)
Tibet (China) Timor-Leste

SOURCE:

CAP Implementation by Country/Territory are defined by places.

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WMO CAP Training

Objective

WMO **CAP Expert** provides advice and assistance to:

- Originate alerts in **CAP** format;
- Disseminate alerts in **CAP** format to the public via multiple delivery means;
- Share alert information in **CAP** format with other users.

CAP Workshops - PWS



WMO CAP Training

WMO CAP Jump-Start Workshop

Fiji Meteorological Service

(Nadi, Fiji, 18-19 July 2017)

Lecturer, WMO CAP Expert Mr. Eliot Christian

WMO Rep. Ms. Miriam Andrioli

- Ministerial level
- Emergency related organizations
- Media and other relevant stakeholders



- First National CAP Meeting
- Creation of Alert Messaging and Technical Teams

Guidelines for Implementation of Common Alerting Protocol (CAP)-Enabled Emergency Alerting



World
Meteorological
Organization
Weather · Climate · Water

WMO-No. 1109

PWS-27



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Thank you Merci



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