



**REPORT ON STATUS OF THE COMMON ALERTING PROTOCOL (CAP)
NEWS FEEDS ON THE WMO REGISTER OF ALERTING AUTHORITIES
AND OTHER SOURCES IN WMO RA III**

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1. INTRODUCTION

This Report contains a summary of the WMO RA III Members status with regard to the Common Alerting Protocol (CAP) News Feed. It also contains other warning Feeds not in CAP format. The status of the URLs of the warnings as provided on the WMO Register of Alerting authorities is presented.

This work was inspired by the need to collect URLs of warnings for use in developing a widget to automatically display the warnings on the WMO website. The Widget may be viewed at: http://www.wmo.int/pages/index_en.html#alertwidget. An analysis on the regional status of CAP and other Feeds has been carried out and is presented in this report. Below is the list of resources that were used in the analysis:

- 2.1 A full list of WMO 191 Members and Territories
(Source: <https://www.wmo.int/cpdb/data/membersandterritories>)
- 2.2 RSS and Atom Data input from the WMO Register of Alerting Authorities (The Register)
(Sources: <http://alerting.worldweather.org/rss.xml>
<http://alerting.worldweather.org/atom.xml>)
- 2.3 RSS and Atom Data input from Filtered Alert Hub (The Hub)
(Source: <https://s3-eu-west-1.amazonaws.com/alert-hub/index.html>)
- 2.4 The WMO Register of Alerting Authorities (see Table 2)
- 2.5 Warning and Forecasting information obtained from NMHSs' Websites (source: WMO Members' Official Websites)

2. WMO RA III SUMMARY OF CAP NEWS FEEDS AND OTHER WARNING FEEDS

An overview is presented based on the data from 2.2, 2.3 and 2.5 above.

WMO RA III Members Status of CAP News Feeds and Other Warning Feeds

- 3.1 Argentina, Brazil and Guyana (in total 3 out of 12 WMO Members) have registered CAP RSS Feed URLs on the WMO Register of Alerting Authorities.
- 3.2 Argentina, Brazil, Colombia and Guyana have registered CAP RSS Feed URLs on the Filtered Alert Hub.

Findings and Limitation in RSS Feeds URLs

- 3.3 Bolivia, does not have CAP News Feeds but disseminates warning and forecasts RSS Feeds through website of the Meteorological Service (2.5).
- 3.4 The CAP RSS Feeds URL for Colombia is only registered on the Filtered Alert Hub (2.3). However, the recorded authority - Colombia National Unit for Disaster Risk Management is not registered on WMO Register of Alerting Authorities (2.2). There are no warning RSS Feeds on the NMHSs' Website (2.5).
- 3.5 Argentina, Brazil and Guyana disseminate both CAP and other warning/forecasting RSS Feeds as well.
- 3.6 Despite minor differences in RSS URLs collected for Brazil via CAP and the Feeds on the Register, the Hub and the NMHSs' Website, the CAP RSS Feeds are identical.
- 3.7 For more details (see Table 1 on the Appendix)

NMHSs' Input of Warning Information

- 3.8 NMHSs' websites provide authoritative warnings that have been used as additional sources to warnings available on the WMO Register of Alerting Authorities, in this analysis.

Remarks

- 3.9 All the published CAP RSS Feeds should be reflected on the WMO Register of Alerting Authorities for validity-check, maintenance and regular updates. The country editors of the WMO Register of Alerting Authorities are responsible for carrying out this task. It should be noted that editors for entries in the Register of Alerting Authorities has not yet been designated by Bolivia, Colombia, Paraguay, Peru, Suriname, and Venezuela.
- 3.10 The technology of RSS 2.0 specification is copyrighted by Harvard University and is frozen: No significant changes can be made. ATOM is a later and more flexible development. Colombia uses ATOM for example.
- 3.11 The analysis was not limited to alerts and warnings provided via CAP news feeds only, but also were considered those provided through alternative protocols and Internet applications.
- 3.12 WMO Information System (WIS) provides a metadata standard that facilitates finding, processing and using data, information and products. This includes data in CAP and other format protocols used to disseminate alerts and warnings. (Source: [Matadata purpose](#))

3. APPENDIX

Table 1 RA III Members Authoritative CAP and relevant RSS Feeds

Argentina			
<i>Authority:</i>	Argentina: Servicio Meteorologico Nacional		
<i>Source:</i>	<i>Available CAP and other relevant Feed URL(s):</i>		
The Register (2.2)	http://www3.smn.gob.ar/feeds/CAP/avisocortoplazo/rss_acpCAP.xml	es	
The Hub (2.3)	http://www3.smn.gob.ar/feeds/CAP/avisocortoplazo/rss_acpCAP.xml	es	
The NMHSs' Websites (2.5)	https://ssl.smn.gob.ar/?mod=feeds&id=2	es	
Bolivia, Plurinational State of			
<i>Authority:</i>	Servicio Nacional de Meteorología e Hidrología		
<i>Source:</i>	<i>Available CAP and other relevant Feed URL(s):</i>		
The Register (2.2)	No Available CAP Feed URL(s).	-	-
The Hub (2.3)	No Available CAP Feed URL(s).	-	-
The NMHSs' Websites (2.5)	http://www.senamhi.gob.bo/sismet/	es	
Brazil			
<i>Authority:</i>	Brazil: Instituto Nacional de Meteorologia – INMET		
<i>Source:</i>	<i>Available CAP and other relevant Feed URL(s):</i>		
The Register (2.2)	http://alert-as.inmet.gov.br/cap_12/rss/alert-as.rss	pt	
The Hub (2.3)	http://alert-as.inmet.gov.br/cap_12/rss/alert-as.rss	pt	
The NMHSs' Websites (2.5)	https://alerts.inmet.gov.br/cap_12/rss/alert-as.rss	pt	
Colombia			
<i>Authority:</i>	Colombia: Instituto de Hidrología, Meteorología y Estudios Ambientales (Colombia's Institute of Hydrology, Meteorology and Environmental Studies (IDEAM) to provide URL for their operational CAP system that uses the FMI SmartAlert freeware)		
<i>Source:</i>	<i>Available CAP and other relevant Feed URL(s):</i>		
The Register (2.2)	No Available CAP Feed URL(s).	-	-
<i>Authority:</i>	Colombia's National Unit for Disaster Risk Management (NGRD)		
The Hub (2.3)	http://www.gestiondelriesgo.gov.co/rss/AtomAlert.aspx	en	
The NMHSs' Websites (2.5)	No Available CAP Feed URL(s).	-	-
Guyana			

<i>Authority:</i>	Guyana: Hydrometeorological Service		
<i>Source:</i>	<i>Available CAP and other relevant Feed URL(s):</i>		
The Register (2.2)	https://hydromet.gov.gy/cap/en/alerts/rss.xml	en	
The Hub (2.3)	http://hydromet.gov.gy/cap/en/alerts/rss.xml	en	
The NMHSs' Websites (2.5)	http://hydromet.gov.gy/author/admin/	en	

Table 2 Status of "WMO Register of Alerting Authorities" for RA III

WMO Member Name and Abbreviation		WMO Alert Authority
Argentina	ARG	Argentina: Servicio Meteorologico Nacional
		Argentina: Instituto Nacional del Agua
		Argentina: Servicio de Hidrografía Naval - Ministerio de Defensa
Bolivia, Plurinational State of	BOL	Bolivia: Servicio Nacional de Meteorología e Hidrología
Brazil	BRA	Brazil: Instituto Nacional de Meteorologia - INMET
		Brazil: Universidade de Brasília - Observatório Sismológico
Chile	CHL	Chile: Dirección General de Aguas
		Chile: Direccion Meteorologica de Chile
Colombia	COL	Colombia: Instituto de Hidrología, Meteorología y Estudios Ambientales
Ecuador	ECU	Ecuador: Instituto Nacional de Meteorología e Hidrología (Development of CAP is at an advanced stage, reportedly)
Guyana	GUY	Guyana: Hydrometeorological Service
		Guyana: Hydrometeorological Service
Paraguay	PRY	Paraguay: Dirección de Meteorología e Hidrología
Peru	PER	Peru: Servicio Nacional de Meteorologia e Hidrologia (Development of CAP is at an advanced stage, reportedly)
Suriname	SUR	Suriname: Meteorological Service
Uruguay	URY	Uruguay: Direccion Nacional de Meteorologia
Venezuela, Bolivarian Republic of	VEN	Venezuela: Dirección de Meteorología e Hidrología - Ministerio del Ambiente
		Venezuela: Servicio de Meteorologia de la Aviacion

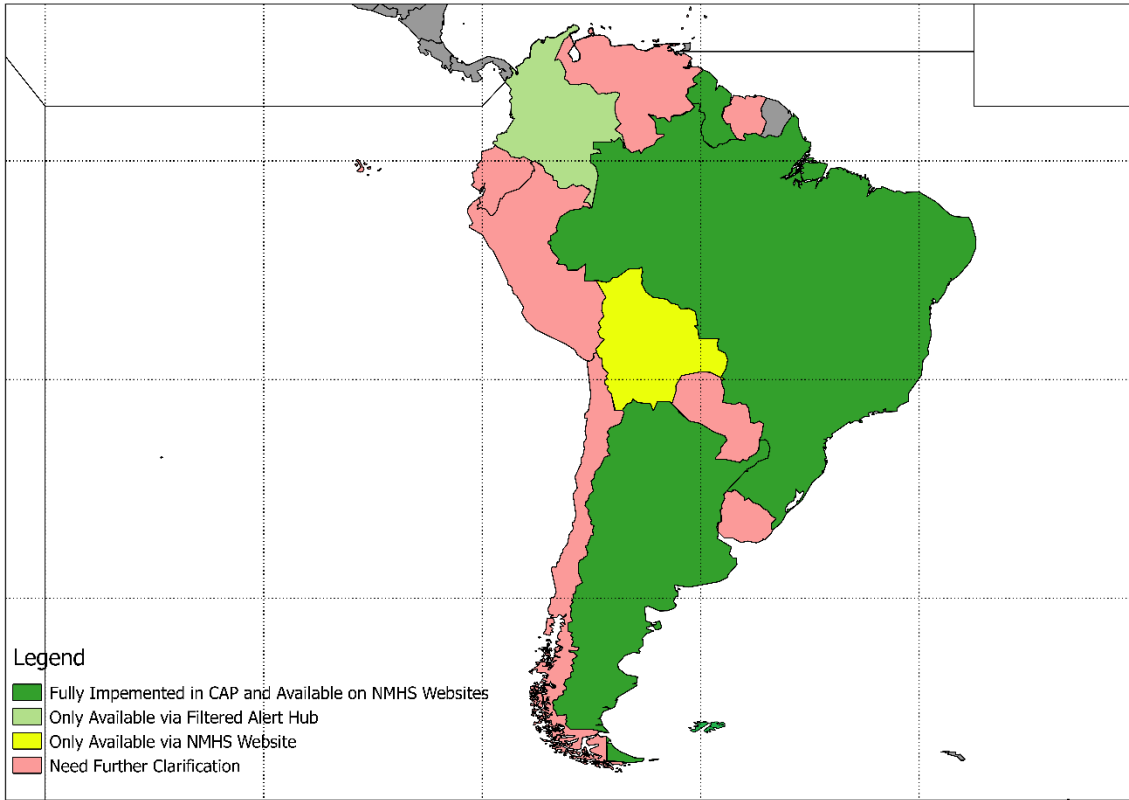


Figure 1 Thematic Map of the status of CAP and other relevant warning Feeds in RA III
