

WMO Regional Association III Capacity Building Workshop on Impact-Based Forecast and Warning services and the Common Alerting Protocol (CAP)

Date: 2018, September, 10-14

Location: WMO Regional Training Center, [Servicio Meteorológico Nacional Argentina](#), Buenos Aires, Argentina

CAP TRAINING (COMMON ALERTING PROTOCOL)

CAP Jump Start materials (lessons and CAP Editor freeware) will be distributed on a USB drive during the session. The materials (630 MB) can also be downloaded [here](#). A laptop PC, with administrative privileges, is recommended for the hands-on lesson (CAP-204). Apache Tomcat and Java freeware are provided for Windows PCs; those with Apple or Unix PCs should pre-install Tomcat on their own.

SCHEDULE

Monday, september 10 (IT participants only)

CAP, PART I

8.30 – 9.15	Registration & coffee	
0900-0910	Opening remarks on behalf of WMO Weather and Disaster Risk Reduction Service Department & NMS-AR director	Miriam Andrioli and Celeste Saulo
0910-1010	CAP-101: Introducing Common Alerting Protocol 101.1 Opportunity and Challenge 101.2 Alerting Authorities 101.3 Benefits of CAP 101.4 Features of a CAP Message 101.5 CAP-enabled Alerting Systems 101.6 CAP Alert Hubs	E. Christian
1010-1030	COFFEE / TEA BREAK	
1030-1040	CAP-102: Registering an Alerting Authority 102.1 Characterizing an Alerting Authority 102.2 Identifying Alerting Authorities and Alert Messages 102.3 Maintaining the Register of Alerting Authorities 102.4 Tracking Changes to Entries in the Register	Eliot Christian
1100-1130	CAP-105: Implementing a Source of CAP Alerts 105.1 Putting CAP Alert Files on a Public Internet Host 105.2 Validating CAP by Schema Version and Profile 105.3 Authorization/ Authentication of Users and Editors 105.4 Example of CAP Alert Sources 105.5 Dissemination Options Beyond Web Browser	E. Christian
1130-1200	CAP-106: Publishing a CAP Alert News Feed 106.1 Introducing Real Simple Syndication (RSS) 106.2 CAP Alerts as News Items in an RSS News Feed 106.4 Finding and Subscribing to CAP Alert News Feeds 106.5 Examples of CAP Alert Feeds	E. Christian



1200-1330	LUNCH BREAK	
1330-1420	CAP-204: Implementing Freeware for Creating and Publishing CAP Alerts (hands-on) 204.1 Overview of Tool for Creating CAP Alerts 204.2 Components Required for Deploying Tool 204.3 Authorized Editors, Sample Alerts, RSS File, Stylesheet, Installing CAP Editor 204.4 Local Configuration of CAP Editor	E. Christian
1420-1440	COFFEE / TEA BREAK	
1440-1600	Practical Issues for Each Implementation Hosting Arrangements Test and Operational Systems Obtaining SSL Certificates Other Issues	Participants, guided by E. Christian
1700	END OF DAY	

Tuesday, september 11

IBF TRAINING (IBF and Emergency agencies only)

8.30 – 9.00	Registration & Café	
9.00 – 9.10	Opening and welcoming to IBF and Emergency Agency participants	Miriam Andrioli (WMO) y Celeste Saulo
9.10 - 9.20	The Public Weather Services Programme of WMO	Miriam Andrioli
9.20 – 9.30	WMO Guidelines on Multi-hazard Impact-based Forecast and Warning Services (WMO No.1150)	Miriam Andrioli

Session 1: Countries presentation about IBF status.

9.30 – 10.30	1.1 Impact Based forecast status in RAIII	Countries presentation
10.30 – 11.00	COFFEE BREAK	
11.00 – 12.00	1.1 Impact Based forecast status in RAIII	Countries presentation
12.30 – 14.00	LUNCH	

CAP – Par II (IT+ IBF + Emergency Agencies)

1400-1410	Opening remarks on behalf of WMO Weather and Disaster Risk Reduction Service Department	Miriam Andrioli
1410-1510	CAP-101: Introducing Common Alerting Protocol (cont)	Eliot Christian
1510-1530	Photo Group + COFFEE	
1530-1700	Steps for Implementing CAP Locally	Participants, guided by Eliot
1700	END OF DAY	
1800	WELCOME COCKTAIL	



Wednesday, september 12

Session 2: Impact Survey: types and format of sources, basis integration, data validation.

8.00 – 8.30	2.1 Types of official information: what information does the NMHS need to build impact-based forecast? Examples.	James Taylor (AUS)
8.30 – 9.00	2.2 Types of official information: relevant to IBF. IBF and Emergency Agencies.	Protección Civil - CH
9.00 – 10.00	2.3 Understanding the role of unconventional sources of information when collecting impact data	James Taylor (AUS)
10.00 – 11.00	2.4 official and unofficial data integration. Weighing. Validation / datum verification.	James Taylor (AUS)
11.00 – 11.15	COFFEE BREAK	
11.15 – 12.00	2.5. Debate on IBF application in South America. Future challenges.	Adriana Cuartas (BR)
12.00	LUNCH	

Session 3: Building data matrix for IBF step by step

13.30 – 15.30	3.1 Building datum board. Creating data matrix. Differentiate by phenomena/ region	James Taylor (AUS)
15.30 – 15.45	COFFEE BREAK	

Session 4: Developing thresholds according to impact.

15.45– 17.00	4.1 Establishing thresholds by impact and variability	James Taylor (AUS)
17.00 - 18.00	4.2 Discussion on feasibility of application in South América	Adriana Cuartas (BR)
18.00	END OF THE DAY	

Thursday, september 13.

Session 5: IBF & Temporary scales

8.30 – 9.30	5.1 IBF and private services of meteorological information	Matthew Alto (AccuWeather)
9.30 – 10.15	5.2 IBF in the short, medium and long term	Adriana Cuartas (BR)
10.15 – 11.00	5.3 open debate on scopes and challenges	SMN-AR
11.00 – 11.15	COFFEE BREAK	
11.15 – 13.00	5.4 Matrix building practical workshop	SMN – AR in cooperation James Taylor (AUS)

13.00 – 14.30	LUNCH
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Session 6: Integration of forecast with vulnerability exposure and impact.

14.30 – 15.15	6.1 Assembling data risk and model	Joanne Robbins (UK)
15.15 – 16.15	6.2 Impact modelling	Joanne Robbins, (UK)
16.15 – 16.30	COFFEE BREAK	
16.30- 17.30	6.3 Practical application of the model	Joanne Robbins, (UK)
17.30	END OF THE DAY	

Friday, September 14

Session 7: Post event verification and evaluation.

8.30 – 9.30	7.1 A paradigm shift: incorporating risk concepts into forecast Department. Communicating IBF to society	Anne Charlat-Abeille (FR)
9.30 – 10.30	7.2 real time in social media verification method. Argentinian experience	Pedro Lohigorry (AR)
10.30 – 10.45	COFFEE BREAK	
10.45 – 12.00	7.3 IBF verification	Anne Charlat-Abeille (FR)
12.00 – 12.30	Successful experiences.	Adriana Cuartas (BR)
12.30 – 13.00	IBF Korea	Dr. Young – Youn
13.00 – 14.30	LUNCH	

Session 8: Communicating impact forecast

14.30 – 15.45	8.1 Impact-Based Decision Support Services: Weather Ready Nations	Weather Ready Nations
15.45 – 17.00	Closure guided debate between experts and participants	SMN-AR
IBF CLOSURE		