CAP Implementation Workshop 2017

WMO Global Multi-hazard Alert System

WWIS & SWIC as platforms to disseminate weather warnings in CAP



WMO OMM

World Meteorological Organization Organisation météorologique mondiale 20-21 Sep 2017

WEATHER CLIMATE WATER TEMPS CLIMAT EAU

WMO GLOBAL MULTI-HAZARD ALERT SYSTEM (GMAS)

- Decision 3.2(1)/1 (EC-69) on GMAS
- Vision
 - Recognized globally by decision makers as authoritative warnings and information related to high-impact weather, water, ocean and climate events
- Rational
 - Sendai framework NMHSs and WMO agreed to do more to enhance services, strengthen regional and global collaboration to support Multi-Hazard Early Warning System (MHEWS)
 - To make warning information from all countries more easily available for decision makers

WMO GLOBAL MULTI-HAZARD ALERT SYSTEM (GMAS)

• Rational (Cont'd)

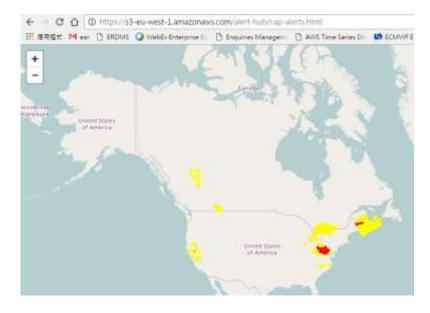
- Share vital lessons learnt by NMHSs in delivering vital multi-hazard services with global DRR community
- Strengthen NMHSs as official authoritative source
- Ensure global community receives the multi-hazard information from authoritative source
- Ensure complex hydrometeorological language is translated into information which can be "actioned" by decision makers

WMO ALERT HUB

- WMO working with NOAA to develop an alert hub for free service to all alerts from Members (*Partners: Open Commons Consortium, Amazon Web Services, IBM/TWC, Hong Kong Observatory, Honeycomb Networks*)
- Hub to provide one-stop platform for alerts issued by authorized agencies/institutions
- Prototypes developed

Other WMO Systems featuring Warnings

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Центральный федеральный округ. 22-24 молбря в Вароненский области аненально хотоднал погода со среднесутания температурий жогруга нене атаматичной нарям на 7° и болже

Приволюсний фидеральный округ. 74-25 моябра в Титерстане онет конрый снес меняль, сильная гололедица, ветер 15-26 мс. Округование

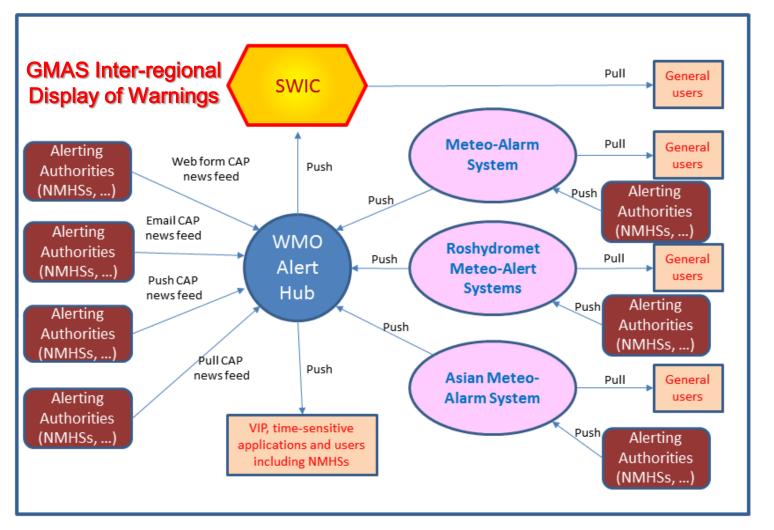
Северо-Казаназский федеральный округ, 25 ноября в Станрольтьское крек и на сезери Карананао Черкески автер до 25 мс.

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Дальновостляный федеральный округ. На гоберение Маладанской абласти ентер 24 ноября до 27 wit, 25 ноября до 72 wit, снят нетегь. Попрабляк это

AN INITIAL IDEA



SEVERE WEATHER INFORMATION CENTRE (SWIC)



- Centralized platform to provide official authoritative warnings and information issued by NMHSs
- Contains advisories issued by RSMCs
- Features warnings on tropical cyclones and worldwide information on severe weather

Challenges

- Not all hazards covered
- Inconsistent content/format
- Proliferation of warning websites from other sectors

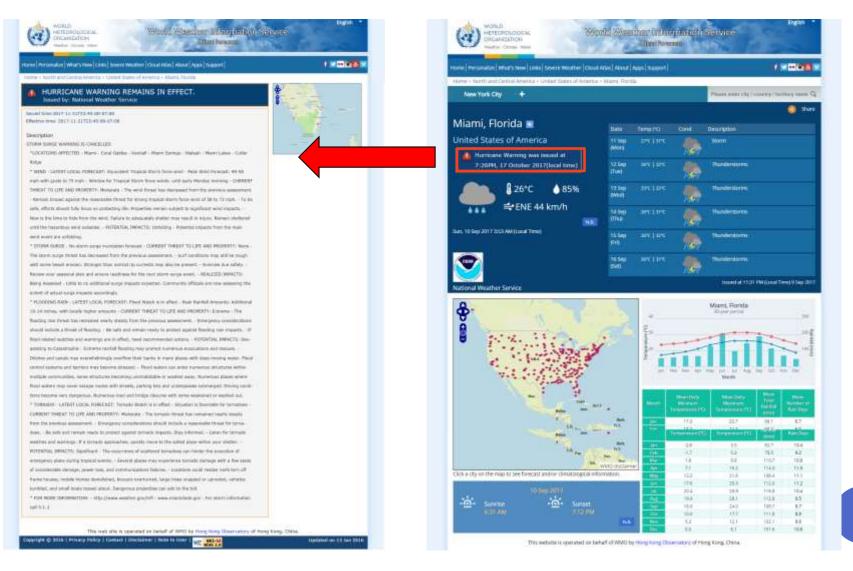
ENABLING CAP IN SWIC (PROTOTYPE) COMMON PLATFORM TO COLLATE, DISPLAY & SHARE WARNINGS IN CAP FORMAT ISSUED BY NMHSS

Global View

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ENABLING CAP IN OTHER APPLICATIONS E.G. IN WWIS



PLANS

- Upgrade SWIC to become an online GIS-enable platform to aggregate, display and share authoritative warnings and alerts in CAP format from WMO Alert Hub and other industry standards
- A example of display platform for the GMAS
- Mature WMO Alert Hub aggregating official alerts and warnings from NMHSs and officially Registered Alerting Authorities (RAAs)
- Encourage NMHSs to adopt CAP format for their warnings and disseminate these warnings to WMO Alert Hub and thus SWIC
- Enhance WWIS to become a online GIS-enable platform for official weather observations, authoritative forecasts and warnings provided by NMHSs around the world
- To implement RA II Pilot Project on Regional GMAS (Resolution 5.2/10 (RA II-16))

Thank you



WORLD METEOROLOGICAL ORGANIZATION

REGIONAL GMAS IN ASIA

- RAII-16 approved the pilot project to enhance the capability of meteorological disaster risk reduction (Resolution 5.2/10)
- To establish a regional system, based on the implementation of CAP and the experience in WMO WWIS and SWIC
- To promote experience sharing among NMHSs in RAII in disaster risk reduction
- To organize training courses
- To provide assistance to relevant RAII members to improve operational capability in meteorological risk reduction
- CMA and HKO as co-coordinators

TARGETS OF RAII PILOT PROJECT

- To develop a prototype of Alert Hub for aggregating CAP alerts issued by NMHSs and an upgraded SWIC website for displaying the CAP alerts with GIS interface by end of 2017
- To develop a prototype website for sharing of advisory products among RAII members by mid-2018.
- To develop plans for training and development of advisory products for RAII members in early 2018