

## Other CAP-related Topics

#### presented

by Eliot Christian <Eliot.J.Christian@gmail.com>
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the Role of Telecommunication/ICTs for Disaster
Risk Reduction and Management for the Arab Region"



### **Presentation Outline**

- 1 IFRC Alert Hub
- 2 Example CAP System: India
- 3 Example CAP System: China
- 4 Policy Discussions



#### **CAP Alert Hubs**

- ➤ A CAP Alert Hub is a online service that aggregates CAP alert feeds, thereby simplifying access to alerts
- International examples: AccuWeather, Global Disaster Alert and Coordination System, Google Alert Hub, HKO Severe Weather Information Center, IFRC Hazards App, MeteoAlarm, Weather.com, WMO Alert Hub ...
- The world needs a reliable, free, global-scale, CAP Alert Hub addressing all types of hazard threats, endorsed by a well-known and well-trusted organization



#### IFRC Alert Hub

- ➤ The IFRC (International Federation of Red Cross and Red Crescent Societies) is well-known and well-trusted, and it deals with all manner of hazard threats
- ➤ IFRC is actively working on an "IFRC Alert Hub", a free online source for published emergency alerts from national, regional and local sources.
- ➤ It aims to enable CAP to be leveraged for all manner of emergency preparedness and response activities, at all scales: from city to country and up to global.



#### IFRC Alert Hub

- ➤ Users of the IFRC Alert Hub will include Red Cross and Red Crescent National Societies, news organizations, telecommunications providers, international and national emergency managers, and disaster relief organizations, among many others.
- The IFRC Alert Hub is in line with IFRC's ambitions to ensure early warning messages reach "last mile" communities so that communities everywhere receive emergency alerting to safeguard lives and livelihoods
- ➤ IFRC is seeking funding and technical partnership opportunities to include the <a href="IFRC GO platform">IFRC GO platform</a>



### **Presentation Outline**

1 IFRC Alert Hub

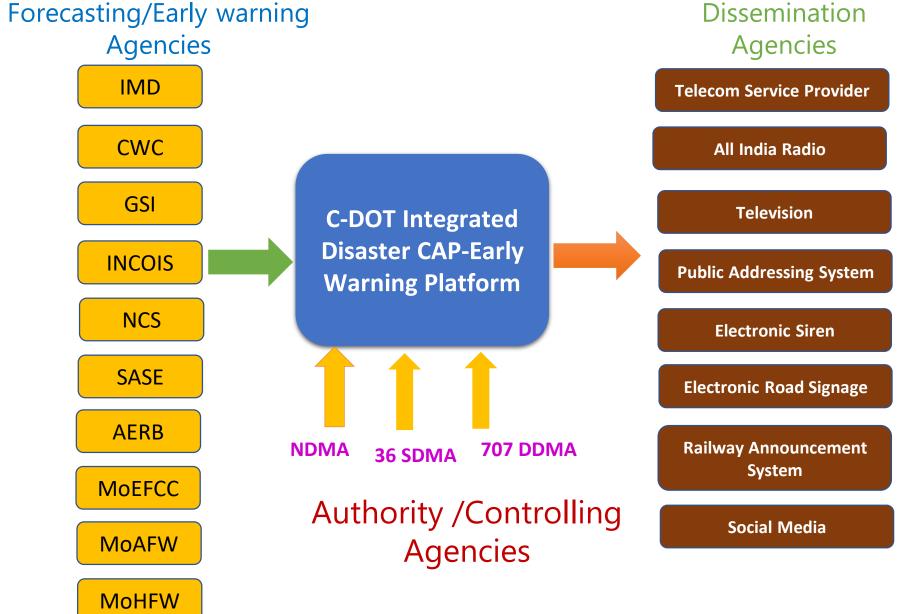


- 2 Example CAP System: India
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## **Project Stakeholders**







# India's Integrated Disaster Early Warning Platform (IDEWP) Quick Facts



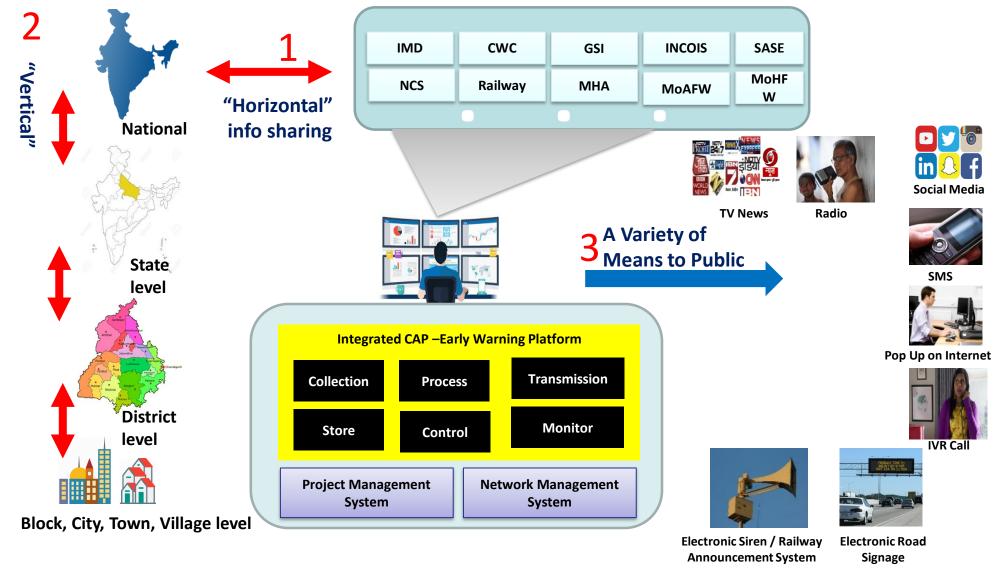
- India's Common Alert Protocol compliant Integrated Disaster Platform is in use by Disaster management authorities.
- All Mobile Operators of India has been integrated with the platform and are in use for warning dissemination via SMS.
- Most Mobile Operators of India has been integrated with the platform for cell broadcasting.
- Now, Location based Social Media feeds can also be generated to ensure more penetration.
- All India Radio is now on board. Successfully integration testing completed in this year, Country wide roll out is in process.
- 65 % of the population has been covered in regional languages with Hindi, Tamil, Malayalam language support.
- CAP implementation in Indian Meteorological Department (IMD) centres located across the country is in process.
- •Alert disseminations through Television is at advance stage.



## India's IDEWP- Working Model



#### **Typical Vertical Horizontal Integration**



## India's IDEWP Working Model











Cell Broadcasting



Radio



**Television** 



Internet



Mobile App



**Facebook** 



**Twitter** 

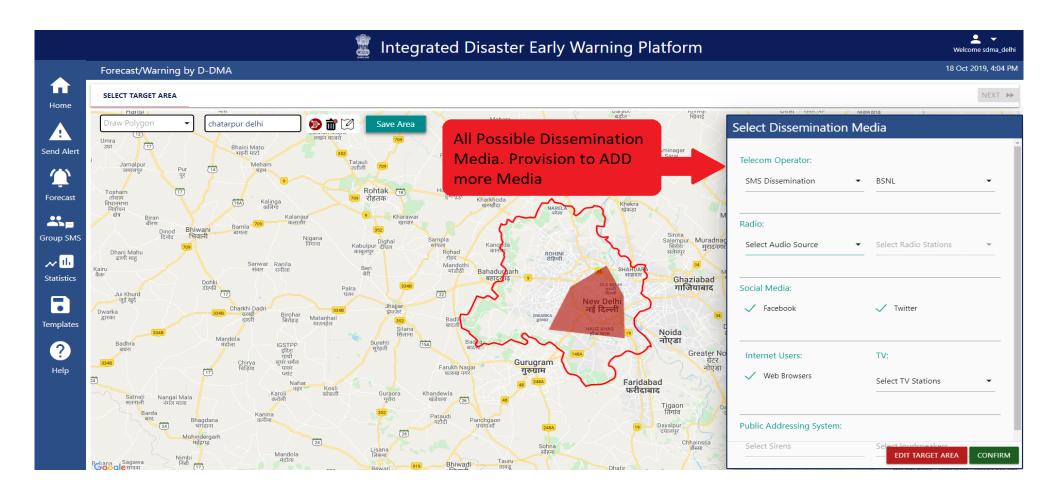


**First Responders** 



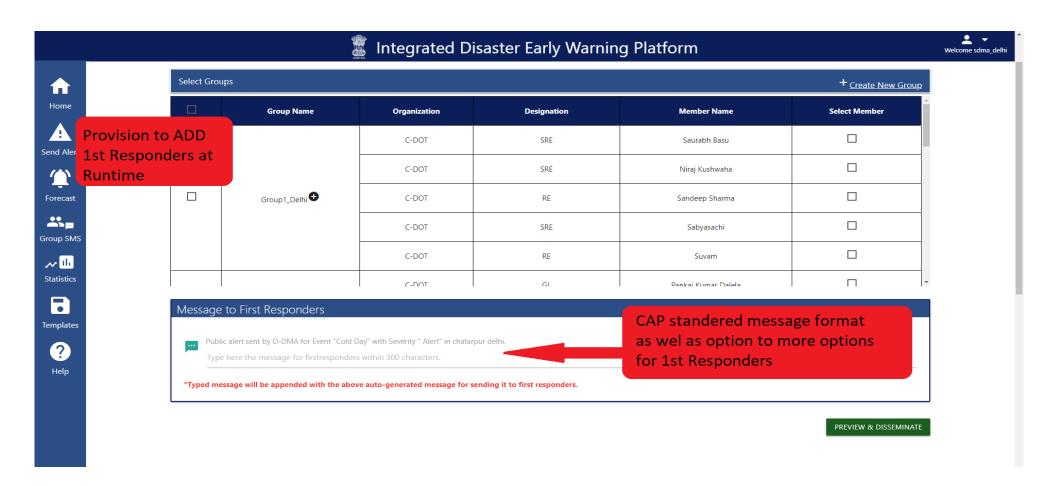












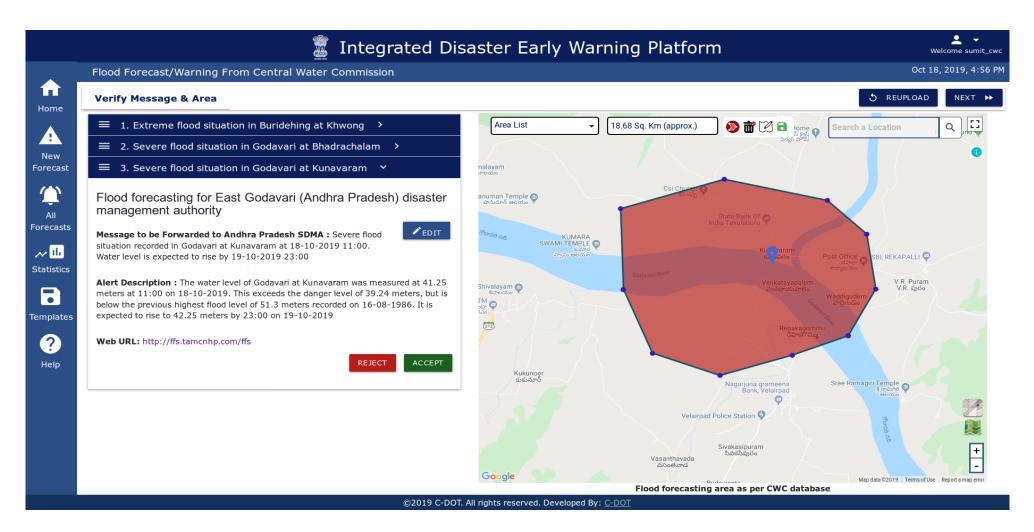




	<u></u>	ntegrated Disaster E	arly Warning Platform	Welcome s
■ Mandatory Inform	ation 💙			
Event Details				
Event Select Event	Warning Category  ▼ Select Warning Category	Certainty ▼ Select Certainty	Effective Date and Time  Select Effective Date & Time	Expiry Date and Time Select Expiry Date & Time
Message Content	for Public Dissemination	CAP Madatory Fi	elds	
Message Text(English)				
	ry likely at isolated places over Coastal Karnataka	68	Use a Saved Message  □ Save this Message  ✓ Add Message in Regional Language	Language Hindi









# Real Time Feedback or Incident Reporting by the Community



Feedback about given Early Warning

- Through App/ intuitive reverse SMS technique people can give feedback for given Early Warning
- People can report
   about any disaster
   situation with location
   info and Image through
   mobile app.



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China's National Early Warning Release System (NEWRS)

1 national center31 provincial centers343 municipal centers2015 county centers10126 specialty staff



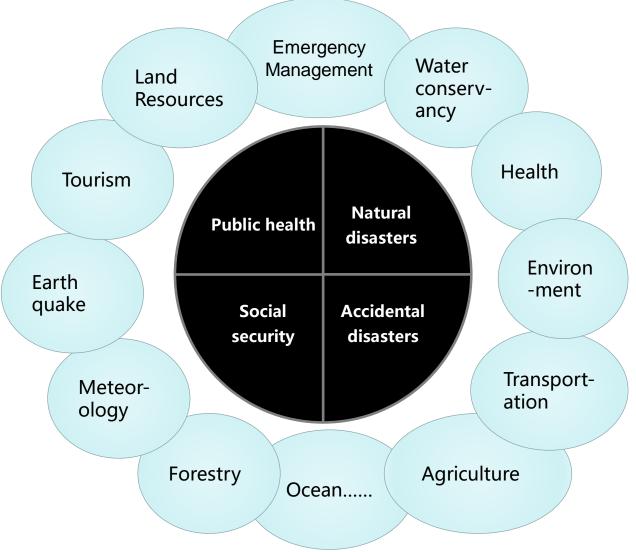
Example CAP System: China

### Provide overall solutions and service

- 1 All-media release of early warning
  - 2 Rapid release of the designated area via entire network
    - 3 Barrier-free sharing of early warning across departments
    - 4 Dedicated channel for local messengers
  - 5 Real-time feedback of release effect
- **6** Warning release security assurance

Example CAP System: China

# barrier-free sharing of early warning across departments



## **Warning Release Process**

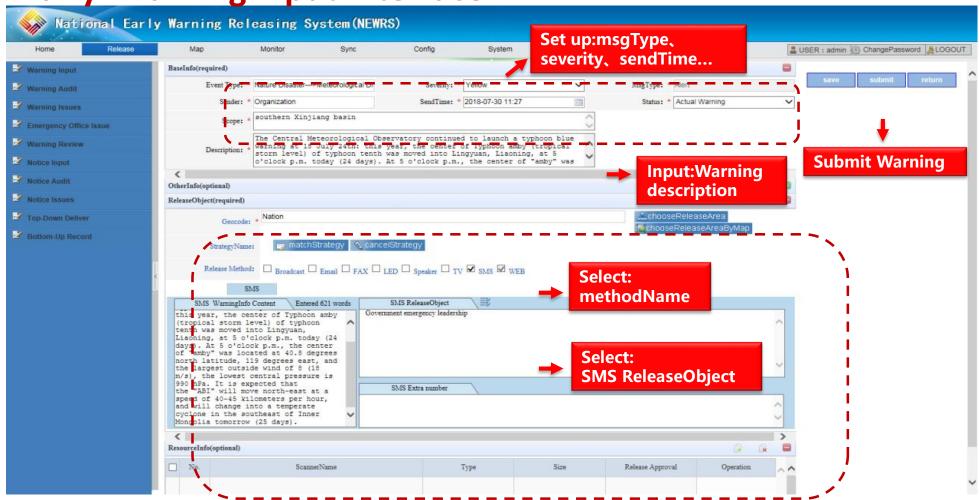
#### The login screen



Example CAP System: China

## **Warning Release Process**

**Early Warning Input Interface** 



**Example CAP System: China** 

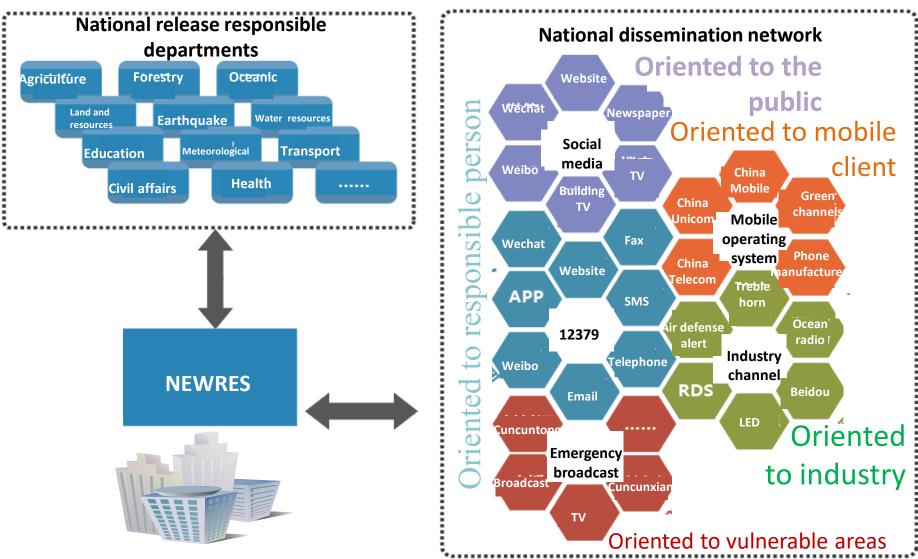
## Vertical transmission between the three-level platform

Reliable transmission of Unified standard. Release channel flexible Trackable life cycle information flexible configuration configuration State release management platform Meteorological **Broadband Network** 31 Provincial release management platform **Alert** Vertical transmission 343 Municipal release management platform Three-tier security measures to achieve cross-regional,

Example CAP System: China

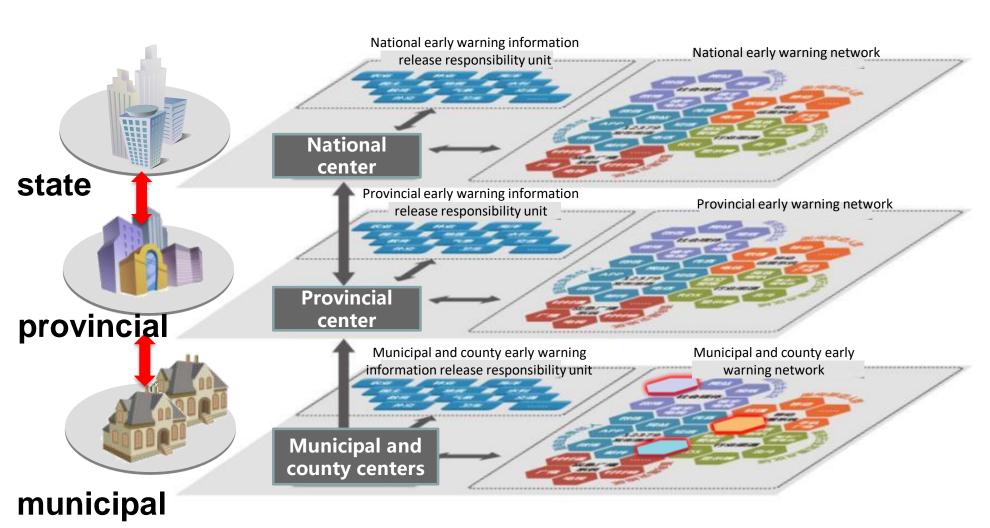
provincial and municipal point-to-point secure transmission

## All-media release of early warning



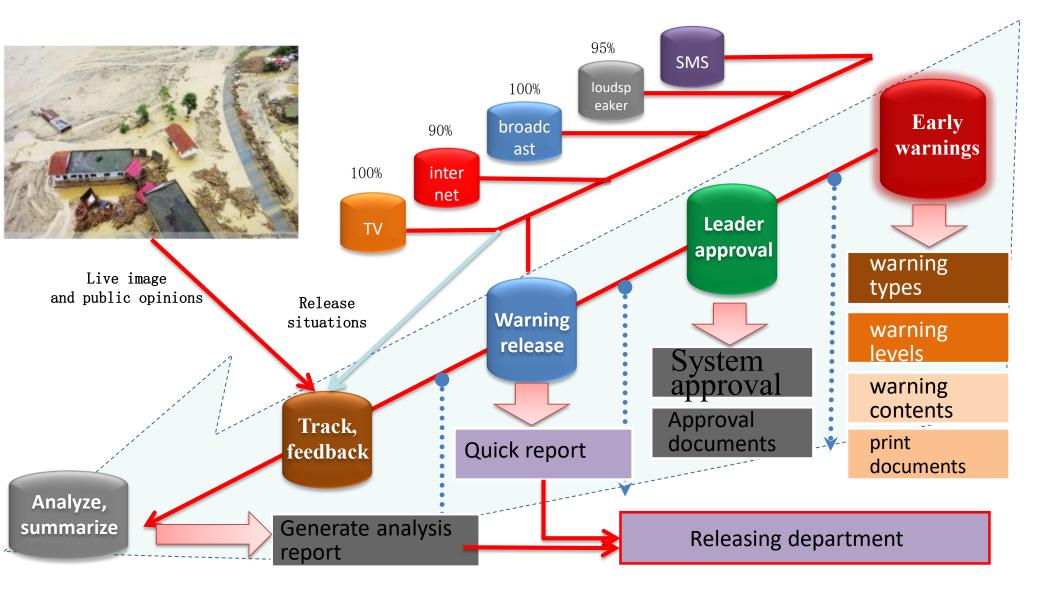
Example CAP System: China

# Rapid release to the designated area via entire network



and county

## **Overall process**





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4 Policy Discussions



## Ten Policy Topics: Open for Discussion

- 1. Authority issues an imprecise social media message and also issues a precise CAP alert
- 2. Roles: to describe a Hazard Threat vis-a-vis to direct people on how they must respond
- 3. Tension between national/local civic authority vis-a-vis international alerting authorities
- 4. In your country, which actors are often left out
- 5. Is your country's policy clear regarding efforts to alert all people affected



## Ten Policy Topics: Open for Discussion

- 6. "Last mile" challenges and how a CAP-enabled backbone can help
- 7. Disaster management: "top-down" or "scale up"
- Incorporate voluntary collaborators in alerting
- 9. Does your country leverage "cell broadcast"
- 10. Processes (e.g., education, outreach, testing and exercises) to identify and correct public trust issues



## **CAP Information Resources**

http://preparecenter.org/resources/cap

- CAP Implementations by Country
- > CAP Introduction (video, 15 minutes)
- CAP Basics course (online)

#### Contact me:

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