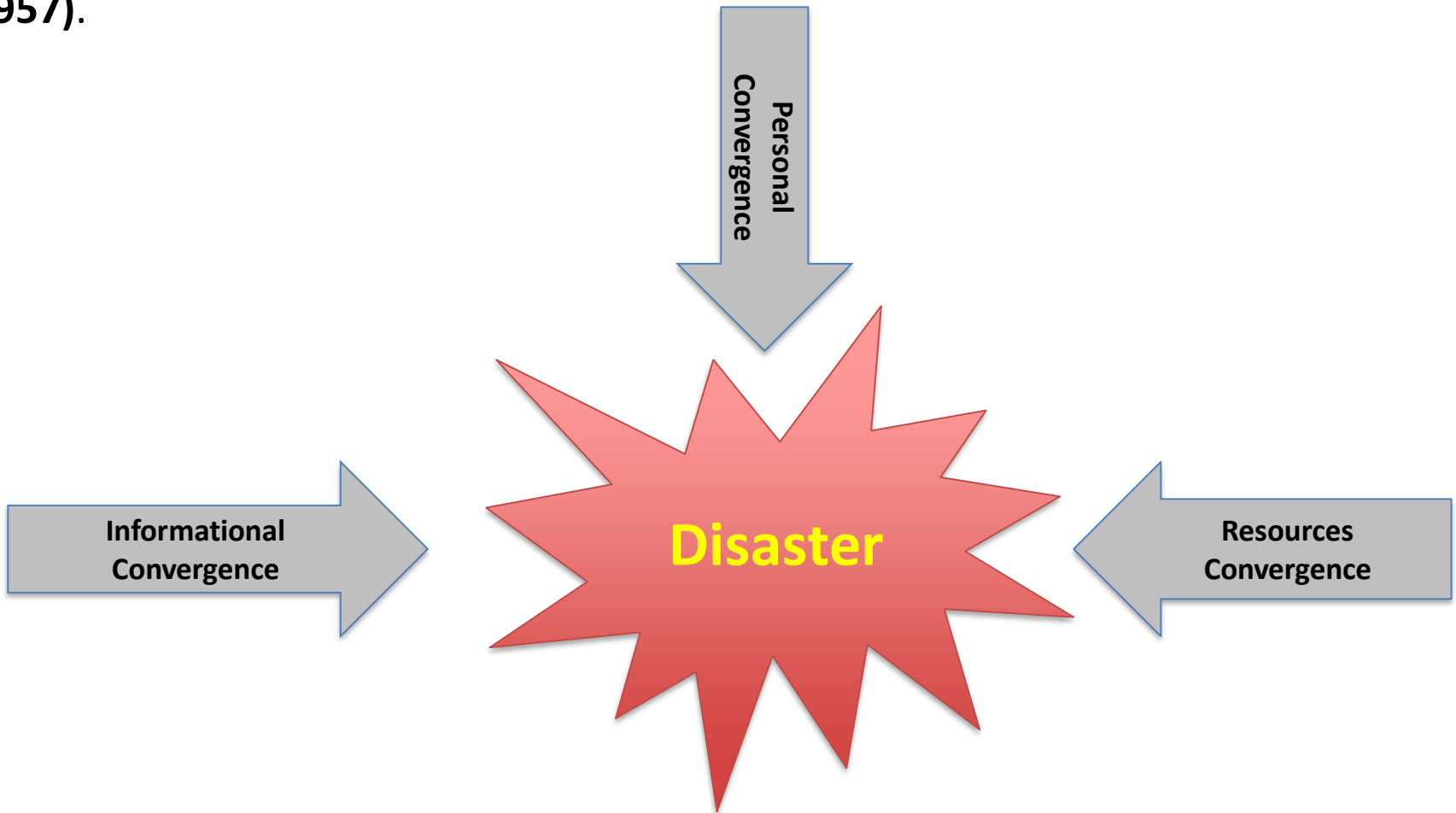
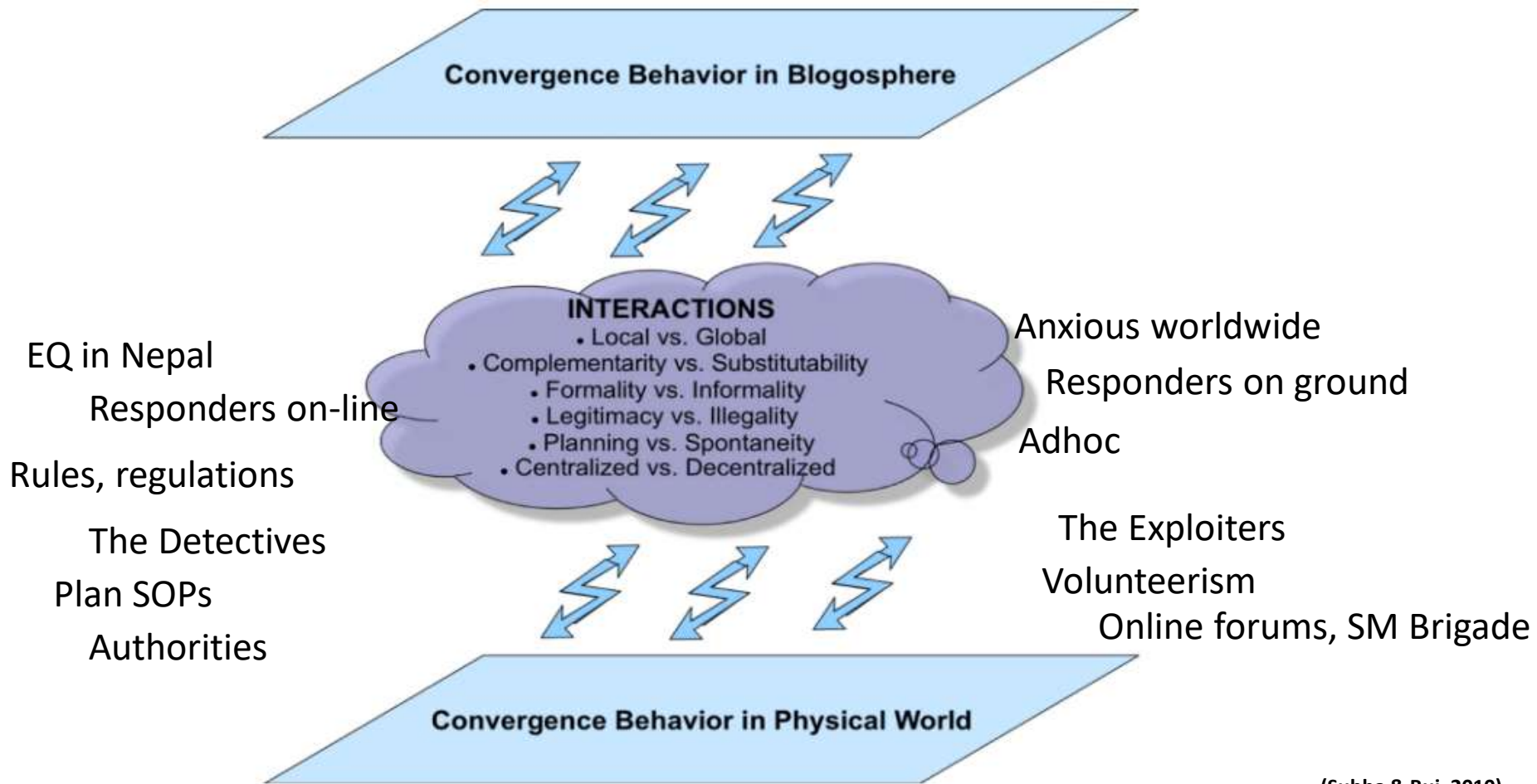


What happens if a big disaster occur?

When a disaster strikes, spontaneous and massive movement of people, information and assets take place toward the disaster site (**Fritz and Mathewson, 1957**).



Interplay between Physical and Cyber world



(Subba & Bui, 2010)

- Relationship between convergence behaviors and crisis response planning.

An Instantiated Typology of e-Convergence Behaviors

Fritz & Mathewson (1957):

- The Returnees
- The Anxious
- The Helpers
- The Curious
- The Exploiters

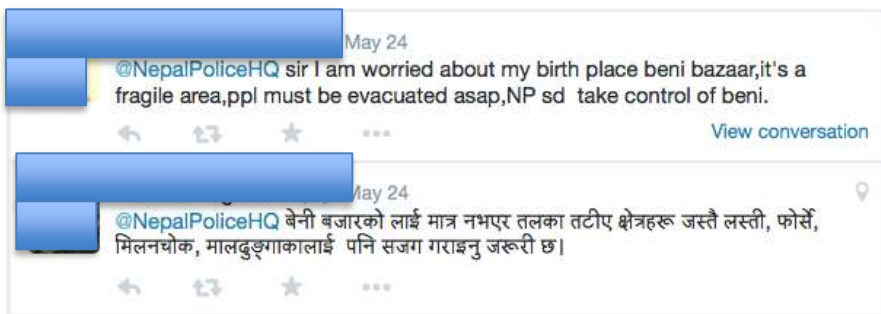
Kendra, J. and T. Wachtendorf (2003)

- The Curious
- The Supporters

Subba and Bui (2010)

- The Detective

The Anxious:



@NepalPoliceHQ Not only Beni Bazar, it is necessary to inform people living near by the river banks in Lasti, Forse, Milanchok, Maldhunga.

The Returnees:

Texts in box are unofficial translation.



Area police personnel came to our area to assess the damages but returned while saying that this is not their area @NepalPoliceHQ

@nepalpolicehq Activity of Police #HQ in Twitter is really good, the Police personnel who went back earlier returned, said that help will come do not worry, also collected data.

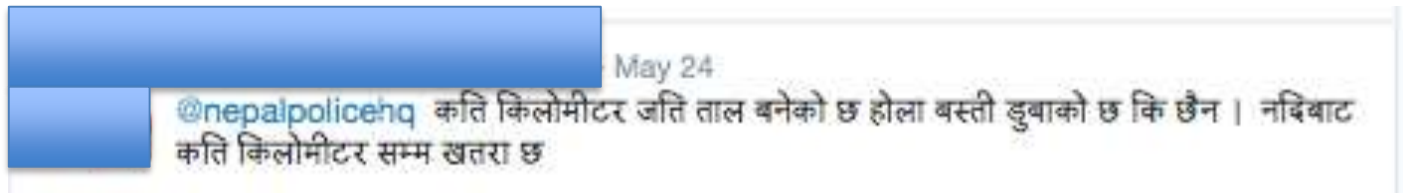
@nepalpolicehq while returning they were grumbling who is the one who informed Kathmandu about this trivial matter. I kept quite B-)

An Instantiated Typology of e-Convergence Behaviors

The Helpers



The Curious



@nepalpolicehq How long is the lake? Is village submerged? How long is hazardous area from the river?

The Exploiters



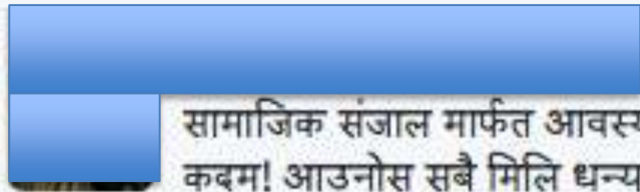
12:24 PM - 13 May 2015 · Details

An Instantiated Typology of e-Convergence Behaviors

Kendra and Wachtendorf (2003)

Texts in box are
unofficial
translation.

The Supporters:



· 25m

सामाजिक संजाल मार्फत आवश्यक परेको बेला सहयोग गर्ने @NepalPoliceHQ को सारै सहानुभूति कदम! आउनुस सबै मिलि धन्यवाद ज्ञापन गरौं! सबैले फलौं :))

Assistance of @NepalPoliceHQ through social media during crisis is a highly appreciable work. Lets thank together. Lets follow 😊

The Mourners



#citizenpress @C1t1zen01 · May 31

@NepalPoliceHQ we pray for the courageous & selfless souls who lost their lives saving fellow Nepalese. Get well soon injured Heroes. JAINepal



[View conversation](#)

Convergence Behaviors, Crisis Communication Practices and Institutional Elements

Detective Behavior*

EXPECTATIONS

Information on Controlling Exploitation

Institutional elements interacting with CBs & CCP.

@NepalPoliceHQ
Based on your information the bus with license# 4519 has been fined Rs 1000.



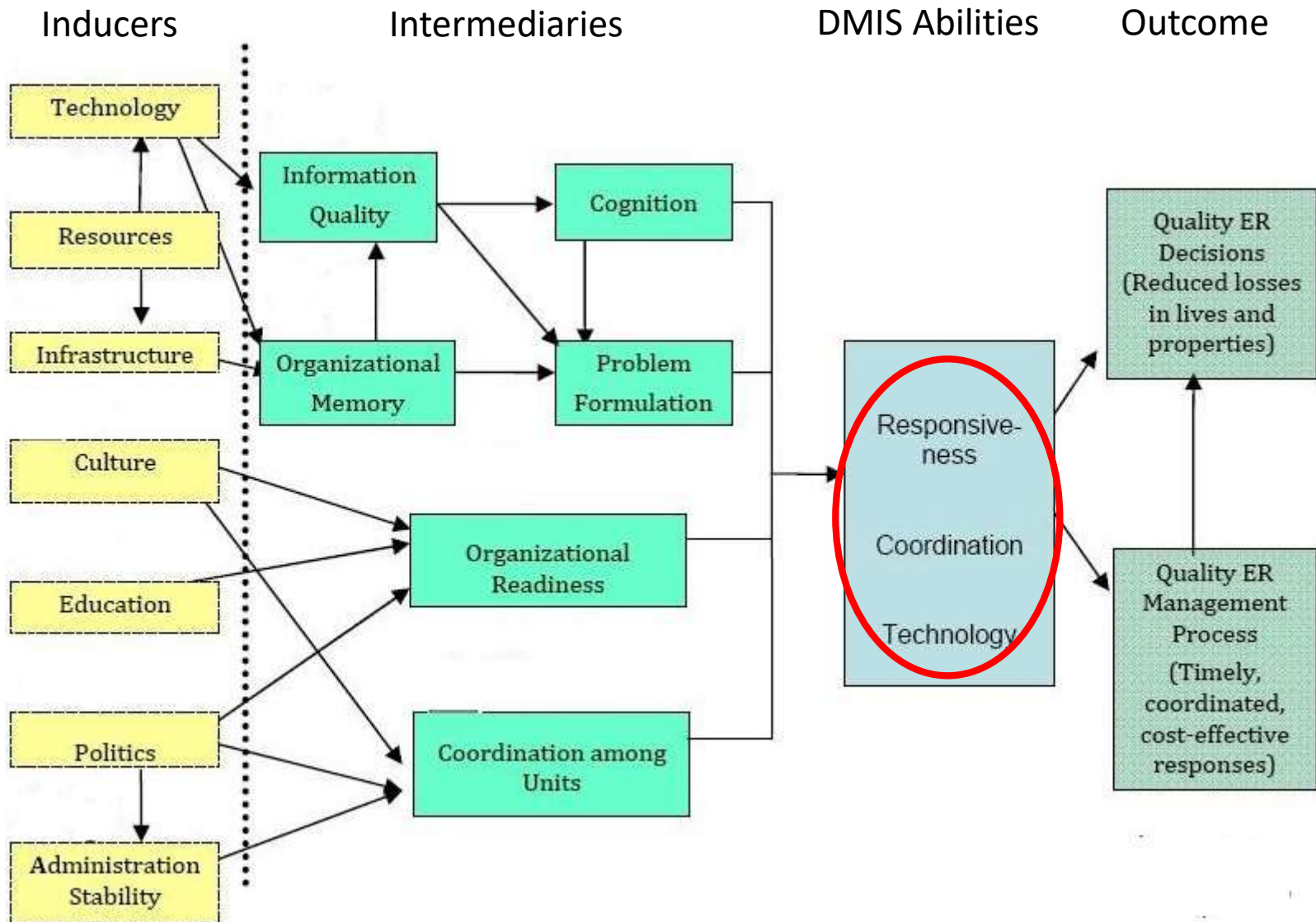
This bus has moved from Pokhara to Kathmandu. It charged Rs 500 extra for every luggage. Travelling fee is extra. @NepalPoliceHQ

OBDIENCE TO DUTY

Communication exists between EROs (Police and public) when public expectations are matched by ERO's obedience to duty.

*Subba & Bui (2010)

A Model for Effective DMIS (Subba & Bui, 2009)



National DIMS Framework with Crowd Sourcing

Integrating Crowd Sourcing through Social Media and GIS Mapping into Disaster Information Management System Framework



MIS Backend

- Documents & Photos
- Person Finder
- Messaging: SMS & Email
- Disaster Victim Identification
- Organization registry
- Logistics management

Integration

Nepal Emergency Operations Center

Government of Nepal
Nepal Disaster Risk Reduction Portal
Kathmandu, Nepal

Location and Magnitude	Date and Time	Latitude and Longitude
Bahin (M: 4.5)	2017-04-24 20:49	Lat: 28.75 Long: 81.71
Dudhakharka (M: 4.2)	2017-04-24 17:34	Lat: 27.36 Long: 80.77
Haneshang (M: 2.7)	2017-03-27 09:00	Lat: 27.38 Long: 86.13
Haneshang (M: 4.0)	2017-03-27 09:22	Lat: 27.38 Long: 86.12
Shahaj (M: 4.0)	2017-03-09 06:00	Lat: 27.75 Long: 84.80

DRR Portal

One Stop Access

Multi-Disaster Management System
Coordination Among Stakeholders



DSS

Decision Support System
Knowledge based Portal

Weather/Flood Info Sys



Seismic Data

Geo Spatial Data

Linkages

Other Information Systems

