

# Using ICN in disaster scenarios

draft-irtf-icnrg-disaster-01

Jan Seedorf

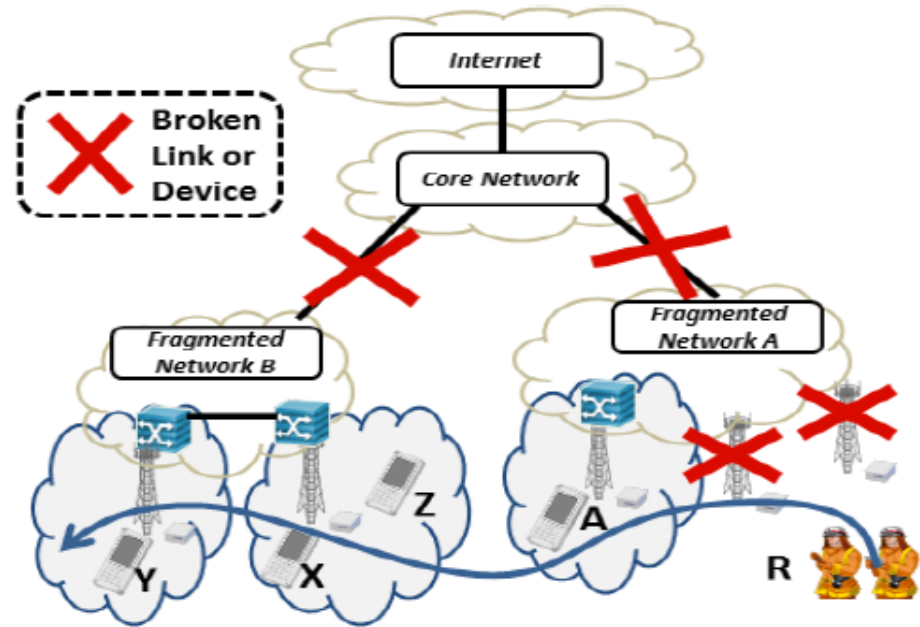
HFT Stuttgart

(on behalf all authors: J. Seedorf, M. Arumaithurai, A. Tagami, K. Ramakrishnan, N. Blefari Melazzi)

# Scope of the Document: Scenario and Use Cases

## Disaster Scenario

- The aftermath of a disaster, e.g. hurricane, earthquake, tsunami, or a human-generated network breakdown
- E.g. the enormous earthquake which hit Northeastern Japan on March 11, 2011 (causing extensive damages including blackouts, fires, tsunamis and a nuclear crisis)



## Key Use Cases (High-Level)

- Authorities would like to inform the citizens of possible shelters, food, or even of impending danger
- Relatives would like to communicate with each other and be informed about their wellbeing
- Affected citizens would like to make enquiries of food distribution centres, shelters or report trapped, missing people to the authorities

# Scope of the Document: Content / Sections

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# History / Status Quo

## History

- Multiple initial versions (2013-2016), output of the GreenICN project
- Various feedback incorporated
  - How ICN relates to existing DTN work (for the scenarios considered)
  - Adding work outside the GreenICN project
  - Addressing various comments
- Adopted as RG item in February 2016

## Status Quo

- Latest version: -01
  - minor changes
  - removed text about GreenICN project (as now RG item)
  - new research work added, exemplifying how ICN addresses disaster use case
- Authors believe that the documents is quite mature

# Next Steps

## **Objectives (Informational RFC)**

- Explain why ICN is a good starting point for addressing communication challenges after a disaster
- Provide concrete examples of existing work in the ICN research community

**The authors believe that the documents is quite mature with respect to these objectives**

**Comments/Suggestions/Opinions?**