

Coupling GNSS with the web APIs and remote sensing algorithms for disaster management

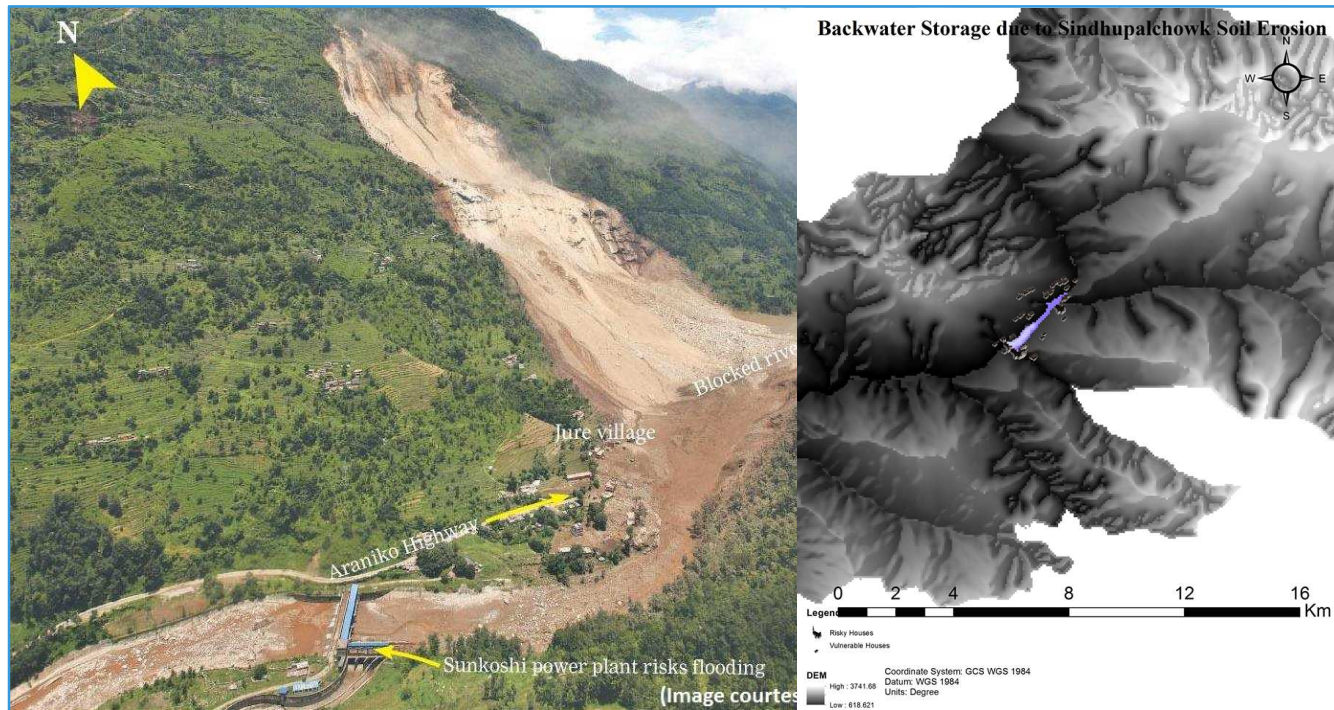
(use case for flood)

Janak Parajuli
Survey Officer
Government of Nepal



Suman Baral
GIS-Database Expert
Habitat for Humanity Nepal

Case study : Jure Soil erosion



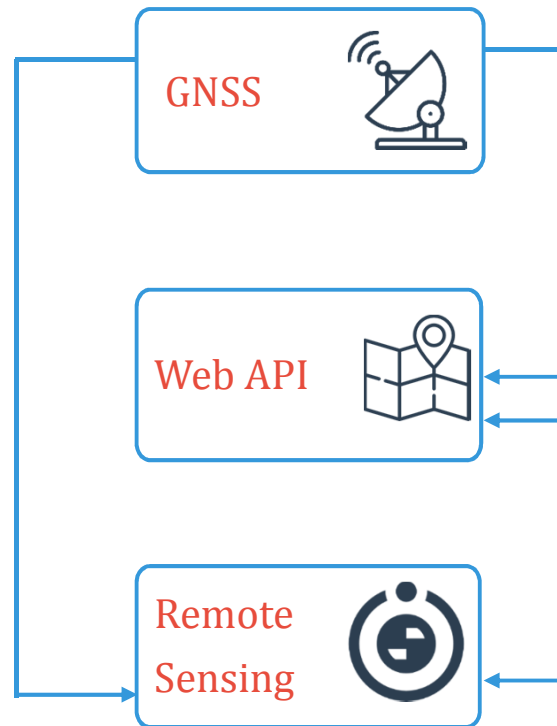
12 houses at risk | 89 houses vulnerable | 5.5 cubic million water storage

And thousands of houses and millions of people in the downstream

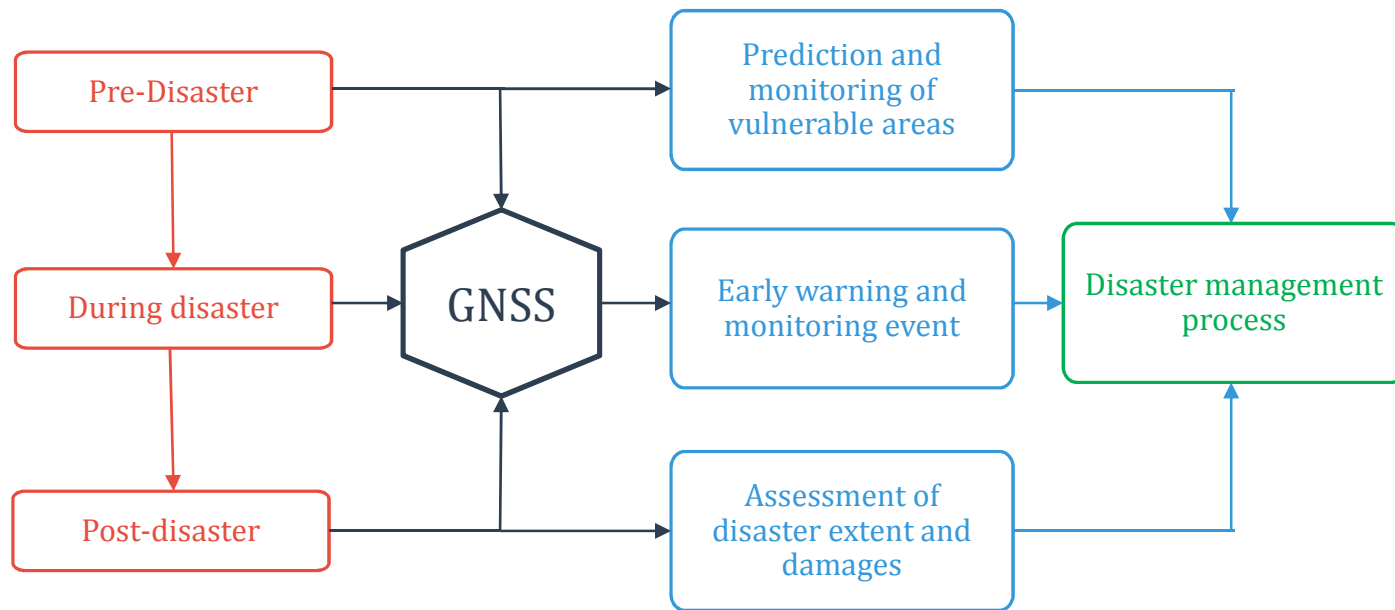
Technology and Humanity



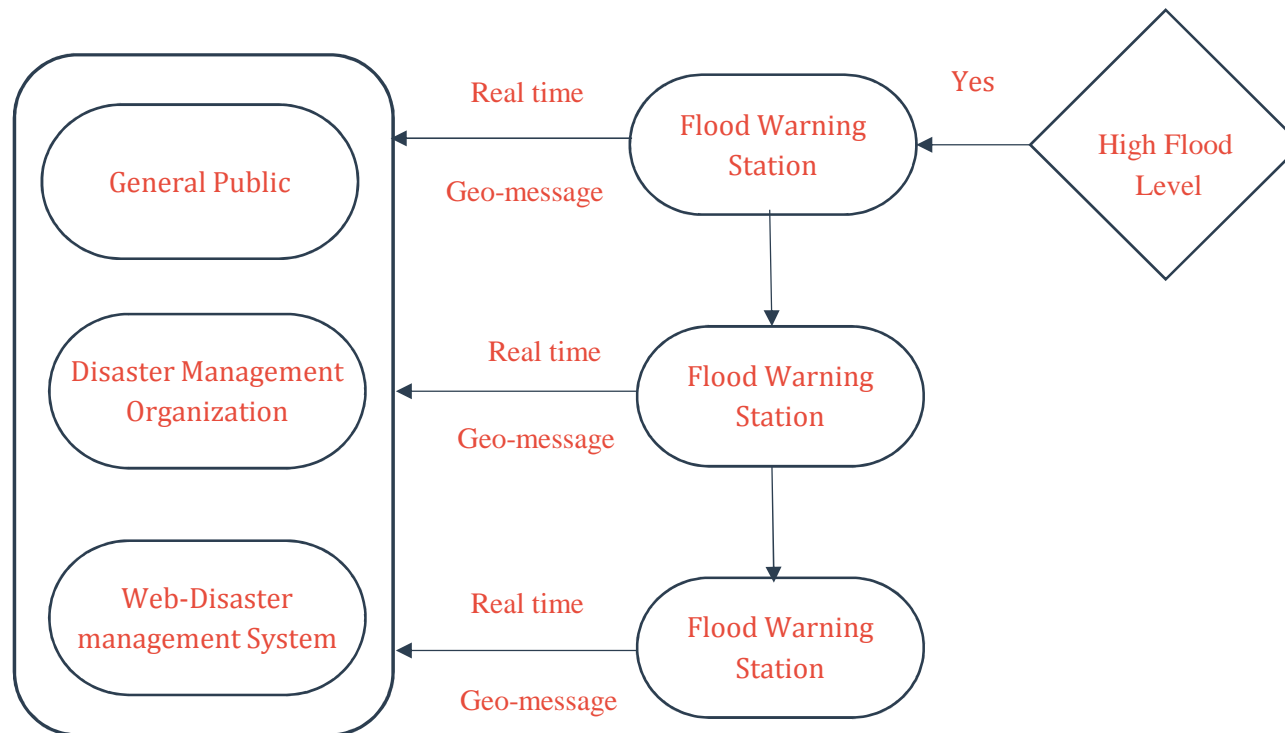
Coupled system



GNSS use in disasters



Early warning in flood



What needs to be done?

- Government /international agencies level initiation and collaboration for establishment of **central disaster management platform**
- More **research and application** on using cutting edge technology



Thank you



Let's focus on application to save lives,
instead of saving it in piggy bank



Coupled system

