

ICIMOD activities in Disaster Risk Reduction

Deo Raj Gurung

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International Centre for Integrated Mountain Development

Kathmandu, Nepal

ICIMOD is an inter-governmental Institution with a regional mandate of HKH

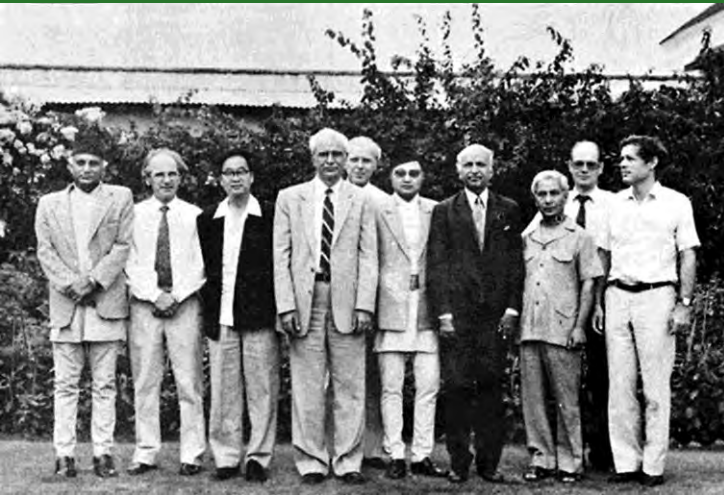
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UNESCO facilitating ICIMOD Establishment



Regional Charter of HKH Eight Countries and Act of Parliament of Nepal for Headquarter Agreement

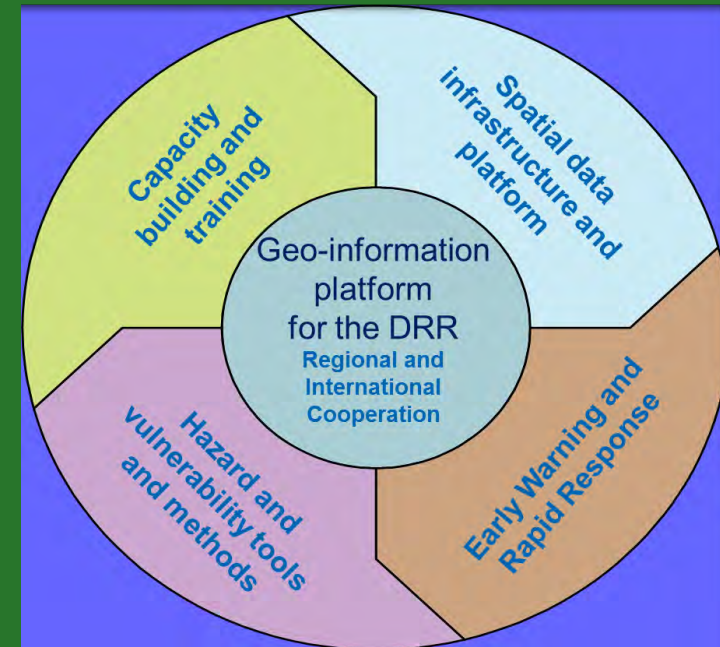
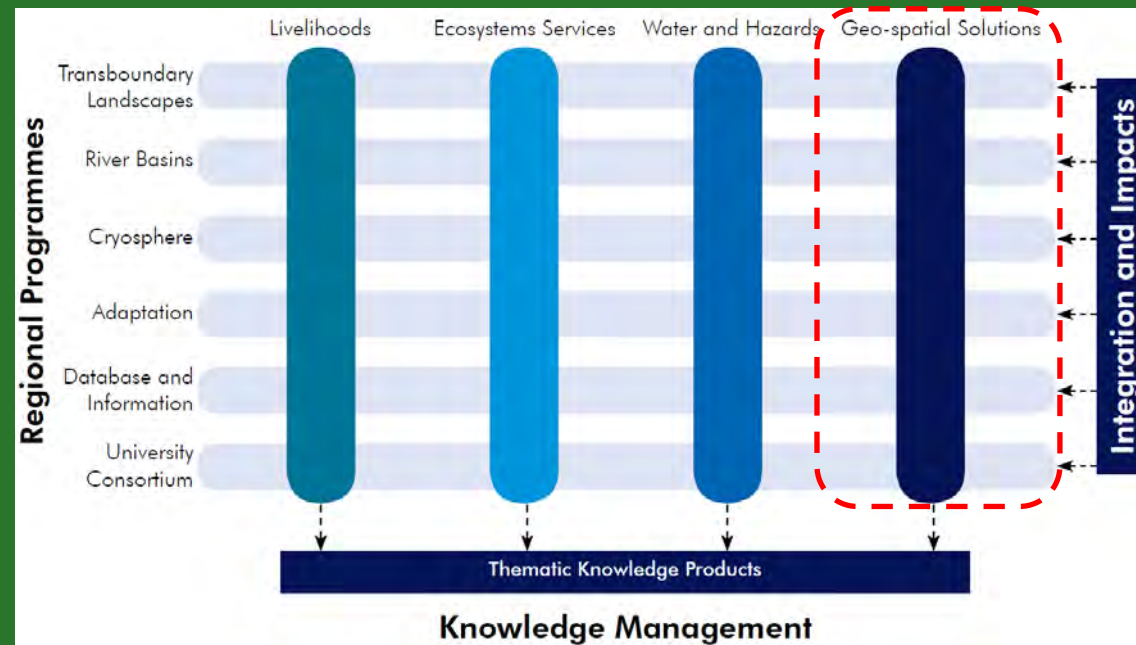


First ICIMOD Board of Governors Meeting August 1983 at Kathmandu

Strategic Thrust Areas

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Identification of critical glacial lakes

Over 9000 glacial lakes in HKH region

Over 200 glacial lakes critical



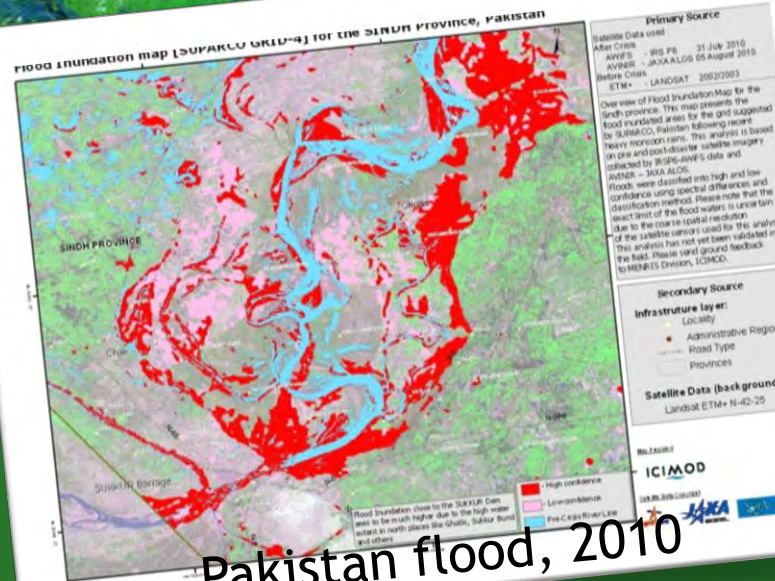
Rapid response mapping

Koshi flood, 2008

Damage Assessment of Seti River Flash Flood of 5 May 2012
Between Jimerbari and Tuse of Kaski District, Nepal



Seti flash flood, 2008



Pakistan flood, 2010

Strategic Partnership

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Data Analysis Node (DAN)



Trained personal for PM



SERVIR-Himalaya



UN-SPIDER RSO

Receiving facility

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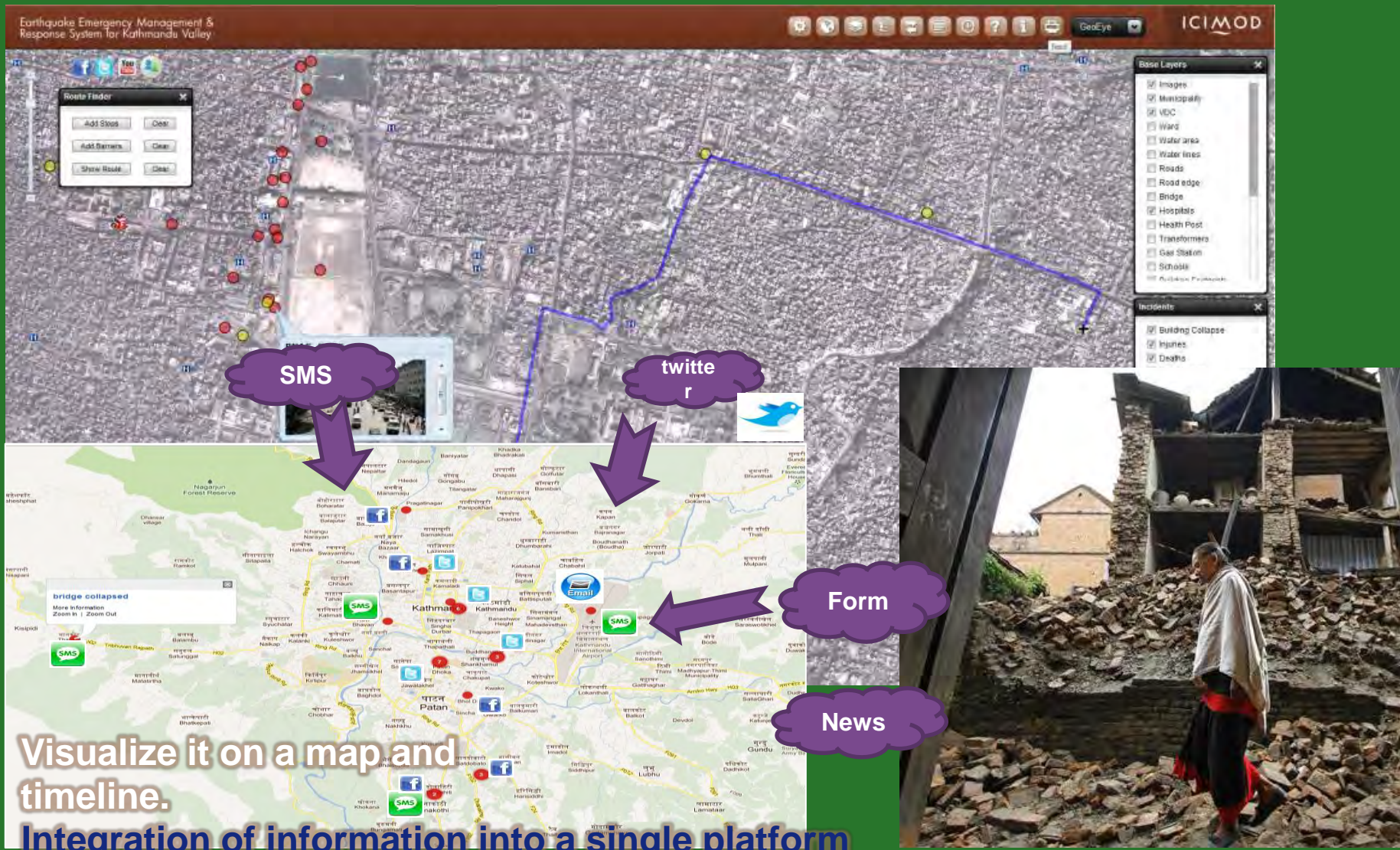
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Kathmandu Valley Emergency Response System

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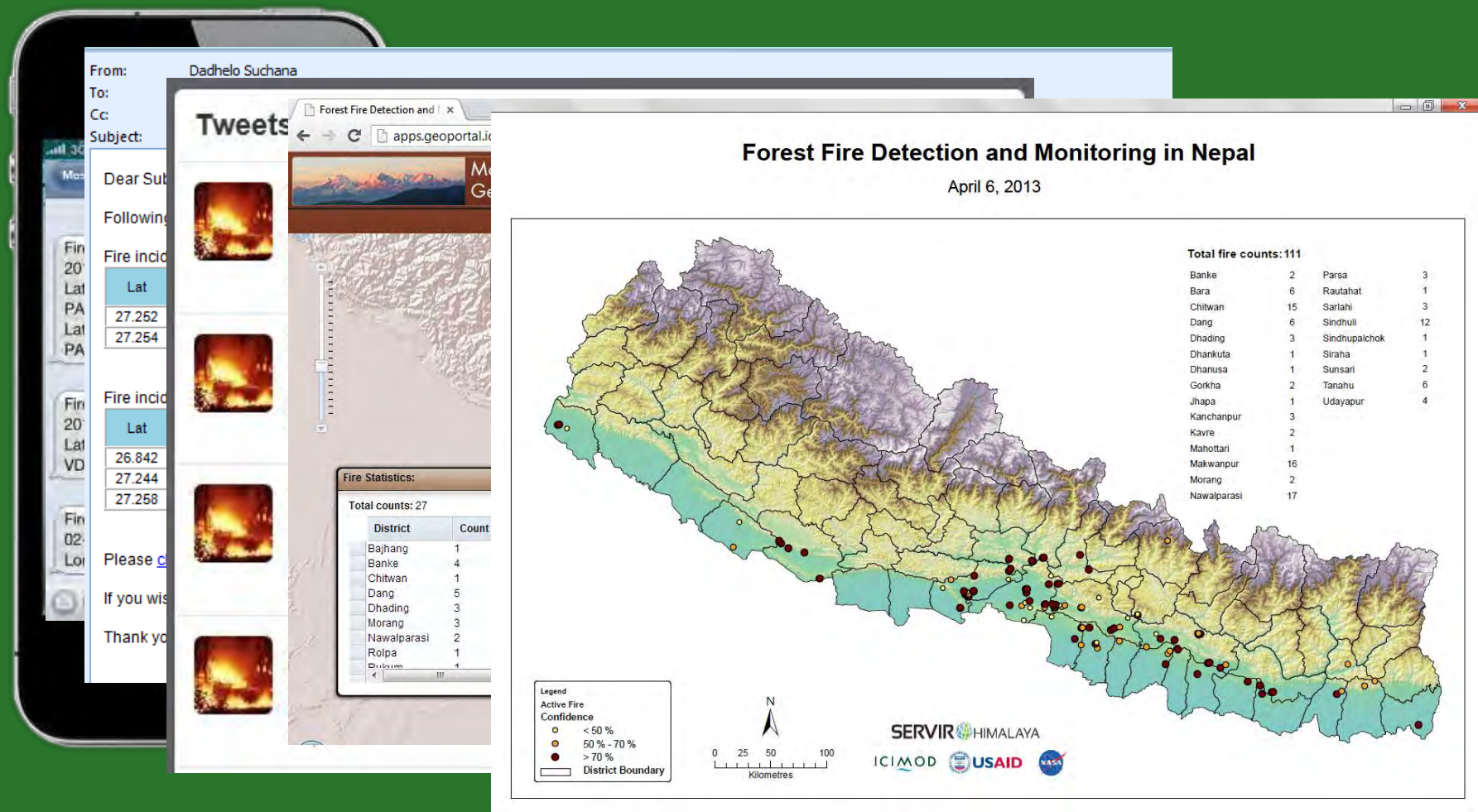
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Forest Fire Information Dissemination System

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SMS Email Tweet Web Application PDF Fire Map

Multi-level HVR profiling

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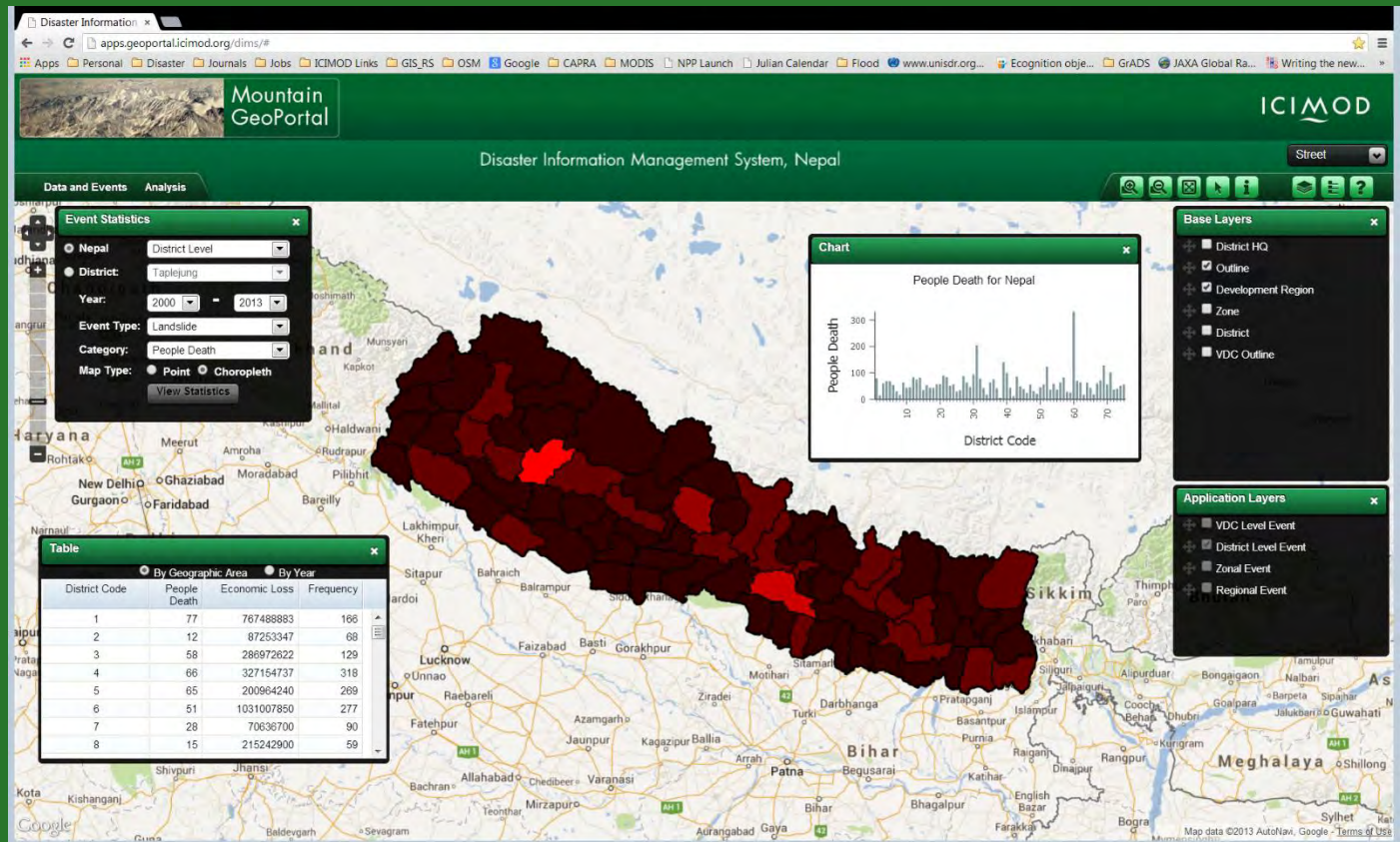
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Topographic
Data

Disaster
event
database

Infrastructure
database

Census
database



Geographical scope

National Level
(District level profile)

District Level
(VDC level profile)

Local Level
(Catchment level profile)

Information profile

Disaster frequency profile

Human loss profile

Economic loss profile

Damage Index profile

Disaster frequency profile

Human loss profile

Economic loss profile

Damage Index profile

Vulnerability profile

Risk profile

Input Data

Historical disaster event data

Historical disaster event data

Census data

Meteorological data

Physical data

Modelled data

Downscaled census data

Topographic data

Thank you for your attention!

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