

IRDR: An Introduction

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Integrated Research on Disaster Risk (IRDR)



IRDR

Integrated Research on Disaster Risk

Background



Why, despite advances in the natural and social sciences of hazards and disasters, do losses continue to increase?

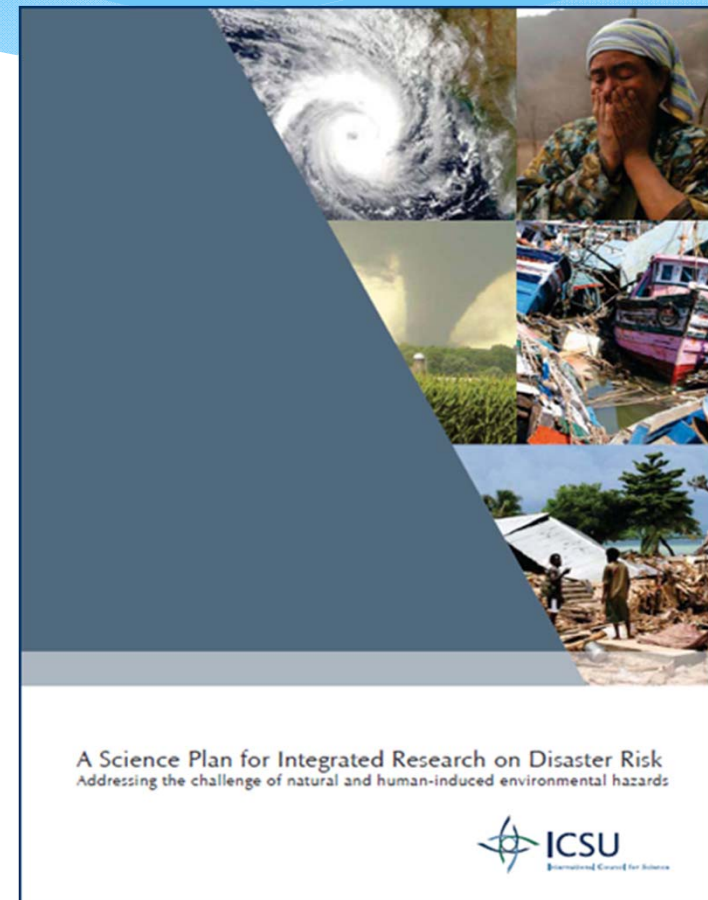
How do we address the lack of sustainability in current disaster practices?



IRDR Science Plan

Addressing the challenge of natural and human-induced environmental hazards

An *integrated approach* to research on disaster risk through: an *international, multidisciplinary* (natural, health, engineering and social sciences, including socio-economic analysis) *collaborative* research programme.



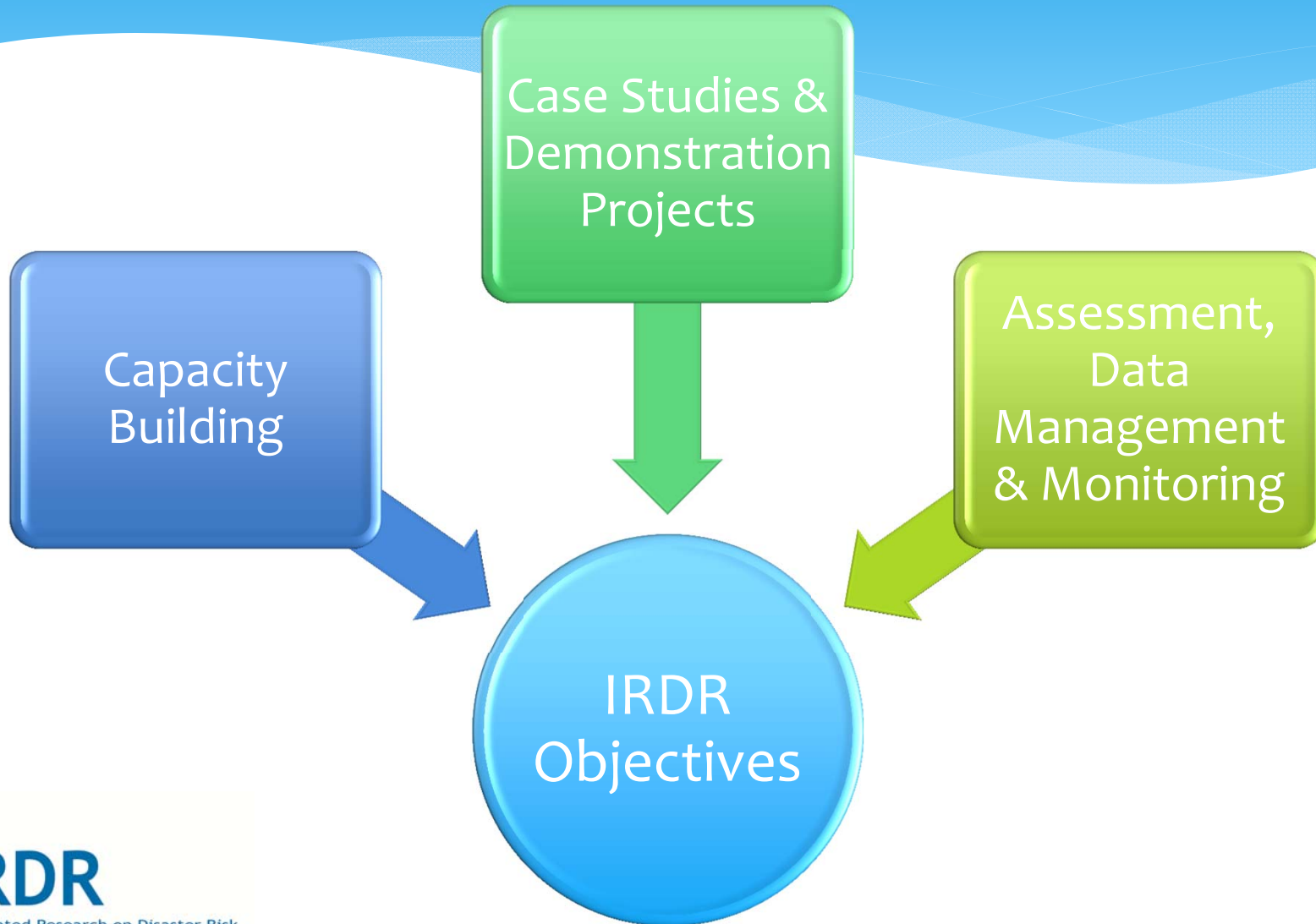
IRDR Objectives

Characterization of hazards, vulnerability, and risk

Understanding decision-making in the complex and changing risk contexts

Reducing risk and curbing losses through knowledge-based actions

Cross-Cutting Themes

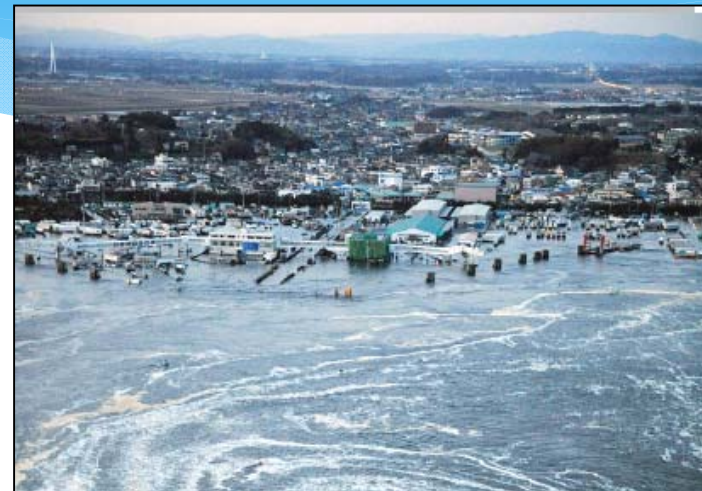
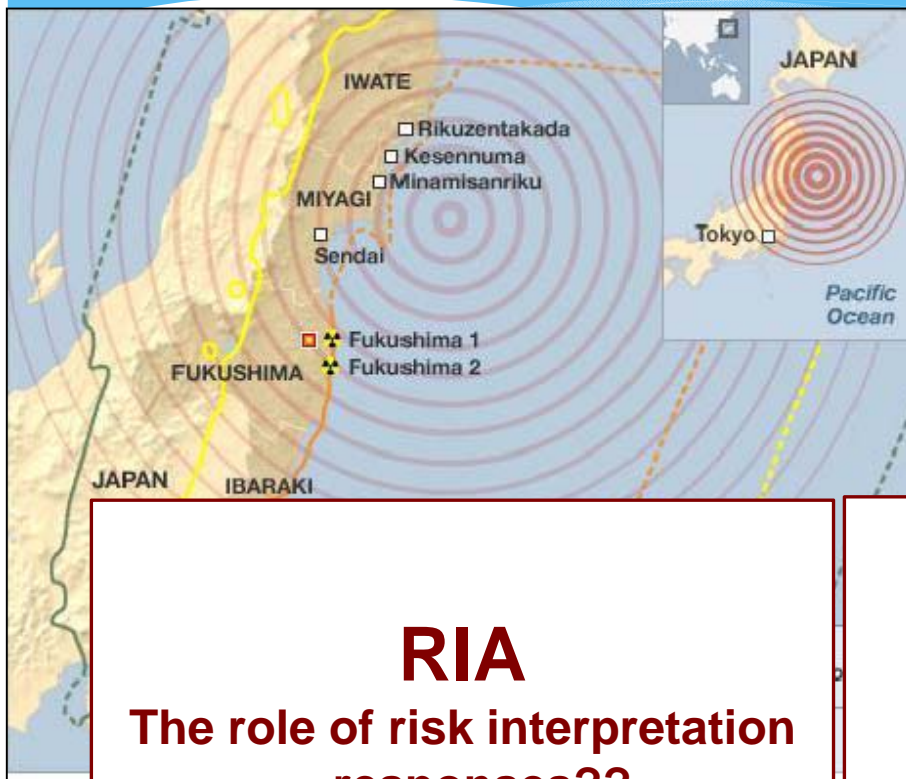


Four current projects

- * Forensic Investigations of Disasters
- * Risk Interpretation and Action
- * Assessment of Integrated Research on Disaster Risk
- * Disaster Loss Data



Mega Disaster in a Resilient Society The Great East Japan (Tohoku Kanto) Earthquake and Tsunami 2011



RIA

The role of risk interpretation
– responses??

FORIN

Complex disaster – technological
interface??



IRDR

Integrated Research on Disaster Risk

National Committees & ICoE

- * Canada
- * China
- * France
- * Germany
- * Japan
- * New Zealand
- * United Kingdom
- * Taipei ICoE
- * Vulnerability and Resilience Metrics (USA)
- * Community-based Resilience (New Zealand)



Thank you

www.irdrinternational.org