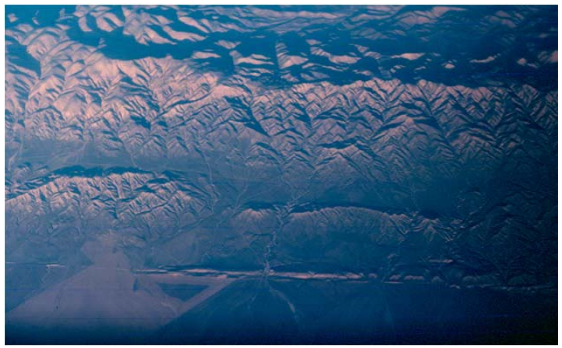
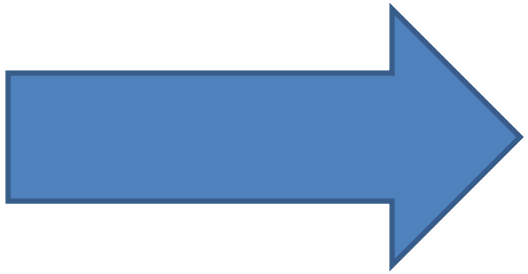
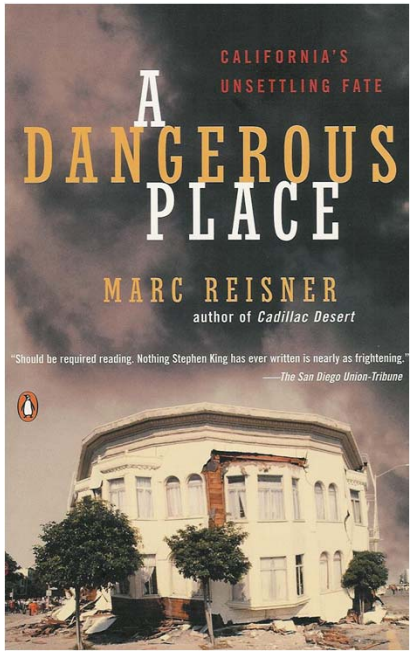
Integrated Research on Disaster Risk







A proposal to assess the research in support of policy and practice

The Need

- Does the IRDR science plan reflect the current state of knowledge or science needs?

- To measure the effectiveness of IRDR and its science plan, we need to establish baseline knowledge of the “state-of-the-art” in the field with full engagement of the research community.

Previous Efforts

Assessment of Research on Natural Hazards Hazards

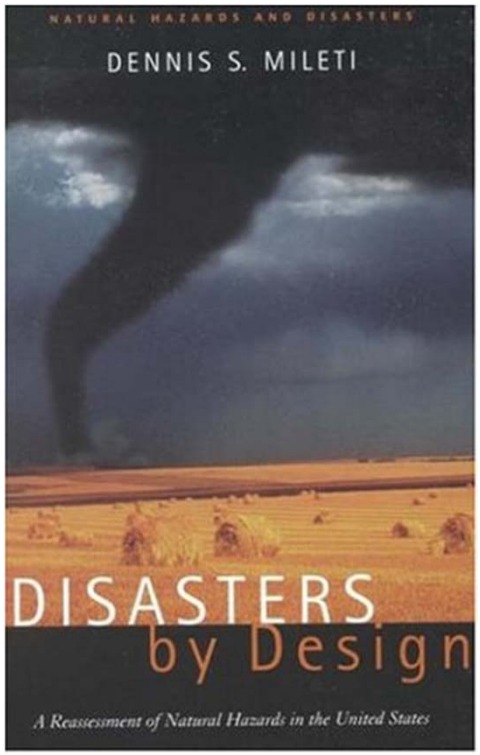
GF White and JE Haas, 1975

- Led to establishment of Natural Hazards Center
- Development of NSF Natural Hazards Research program (multidiscplinary)

Disasters by Design: A Reassessment of Natural Hazards in the United States

Dennis Mileti, 1999

- Refocus US research from risk-hazard to sustainable hazards mitigation
- Fostering hazards resilience



Facing Hazards and Disasters

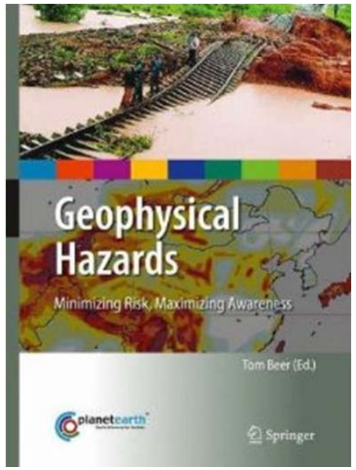
US National Research Council, 2006

- Review of social science contributions to research
- Evaluation of the NHERP in fostering research
- Addressed knowledge dissemination and research workforce

Geohazards: Minimizing Risk, Maximizing Awareness

T. Beer (ed.), 2009

- Intl. Year Planet Earth
- Impact ????



A Bold Vision

Undertake the first systematic global assessment of **research** on disaster risk under the direction of IRDR

What we know,

What we don't know,

What we NEED to know to support disaster risk policy and practice

Strategy

- Scientific steering team 2-3 people (editors)
- 9-10 panels of experts working in multi-disciplinary, multinational teams on individual chapters
- 2 year process with 4-5 authoring team meetings for integrative purposes
- Content and structure determined by consensus (not top down)

Deliverables

1. Published synthesis monograph
2. Smaller regional or topically focused reports on the state of the science

By-products and Value Added

- Forum for engagement with the international scientific research community
- Stimulate research at local to global scales
- Provide baseline and potential roadmap for future science investments
- Educate and engage the next generation of researchers and practitioners

How do we get there?

Commitment from IRDR Science Committee to undertake such an effort

Resources to support the activity ($3-4 million)

Timeframe: 2 years once funding secured to completed monograph

Feedback

- Focus on ***integrated research*** not stove-piped research; including practice and policy (evidence-based research)
- Reflect on state of the knowledge and co-production of knowledge
- Forum for engagement of decision makers
- Continuity in problems with original science plan [existing research in disciplinary or hazard specific silos]

- Series of hypotheses
- Funding sources—formulate outcomes; World Social Sciences report—science capacity development
- Promote integrated research (use other IRDR CofE); examine barriers to integrated research
- HFA as the content and subheadings as chapters
- How to use it to promote science at region
- Need an outreach plan beyond the publication, sell the product