Integrated DRM

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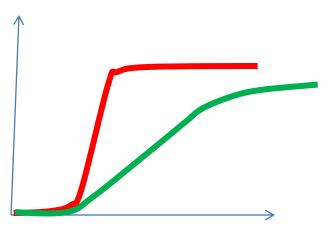
- Part1
 - Lessons Learnt from Previous Disasters
 - Special Issues for Integrated Disaster Mitigation
 - Local Issues for Global Issues
- Part 2
 - What should we do as Research Institutes for DM?
 - How to cope with Issues in Part 1
 - How to strengthen Collaboration between Institutions and Countries/Regions

Initial Discussion

- Tatano
 - Summarized GEJE effects
 - Energy
 - NPPs



- Reno
- Renovation plan for Sendai City (10⁻⁻² vs 10⁻⁻³)
- Questions:
 - What is a rational method for achieving integration?
 - How to introduce extreme events in our planning?



DISCUSSION

- Kawase
 - NPP prohibited from addressing extreme events because NPP "100% safe" (!!)
- ("Emperor's clothes")
- Kovacs:
 - Slovac et al: difference between prevention and reduction (notice in DPRI P=prevention)
 - Communicating risk is difficult
- Scawthorn
 - Need for risk governance how to achieve that?
- Collins
 - what is acceptable risk? on what basis is it being judged acceptable? Economic, social, psychological...?
 - How to communicate risk?
- 35
 - Nuclear energy is not as cheap as public is being told (include risk cost!)
- Okada
 - IDRiM advocates integration is needed, integration is needed, integration is needed...
 - Scenario making should be more creative
 - Holistic discussion is needed by different parties
 - DRM needs to be integrated with urban planning, and better utilize adaptive management
- Shaw
 - GET (Governance, Education, Technology
- Scawthorn
 - Let's talk about the Global Network!

Discussion

- Kovacs
 - People waiting for scientific knowledge
 - Desire for evidence-based mgmt of risk
 - Integration
 - Cross-hazard, not in isolation
 - Economic analysis carries weight in govt decisions scientific knowledge has to be translated for govt decisionmakers
- Okada
 - Integrated DRIM (IDRiM) requires patience, but is gaining ground
- Saseoka (sp?)
 - Need to shift risk to informed consent
- Scawthorn
 - Black swans, limits to probabilistic approach, 'fat tails'
- Kawase
 - 869 event may not have been a precedent (???)
- Hsu
 - Critical infrastructure risk difficult to evaluate
- Wee (sp?)

Collaboration

- Scawthorn
 - Create a secretariat or union of DRRIs
 - Many opportunities
- Kovacs
 - Understand research plans of each DRRI, integrate

Intl DRRIs collaboration

- International Union or Council
- Internationalize Japan's Natural Disaster Research Council
- Start task force to define more organized research
- Start with collaborative projects
- DPRI take lead, organize annual summits, review research plans....evidence of research utilization.... (ie, secretariat)