

*Scoping Workshop on  
Science and Technology for  
Disaster Resilience 2017*

**Priority 3: Investing in DRR  
for Resilience**

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日本学術会議  
SCIENCE COUNCIL OF JAPAN



東京大学  
THE UNIVERSITY OF TOKYO

# Agenda

- 1. Present status**
- 2. Sharing practices**
- 3. Discussion framework**
- 4. Expected inputs to  
National Platform Guideline  
and Synthesis Report**



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# 1. Present status

## SFDRR highlights public and private **investment**

*Investment* is used : 3, 6, 9, 19j, 19k, 28c, 29, 30b, 30c, 34c, 36c,

- **29-31.** Priority 3: Investing in DRR for resilience
- **3.** Reducing disaster risk is *a cost-effective investment* in preventing future losses.
- **19 (j).** Addressing underlying disaster risk factors through *disaster risk-informed public and private investments* is *more cost-effective* than primary reliance on post-disaster response and recovery, and contributes to sustainable development



In reality, gaps and barriers for implementation  
→ Limited budget, low priority, low understanding,,,,,

Can **S&T** play a fundamental role  
for breaking **a barrier** for DRR investment?

# 2. Sharing Practices



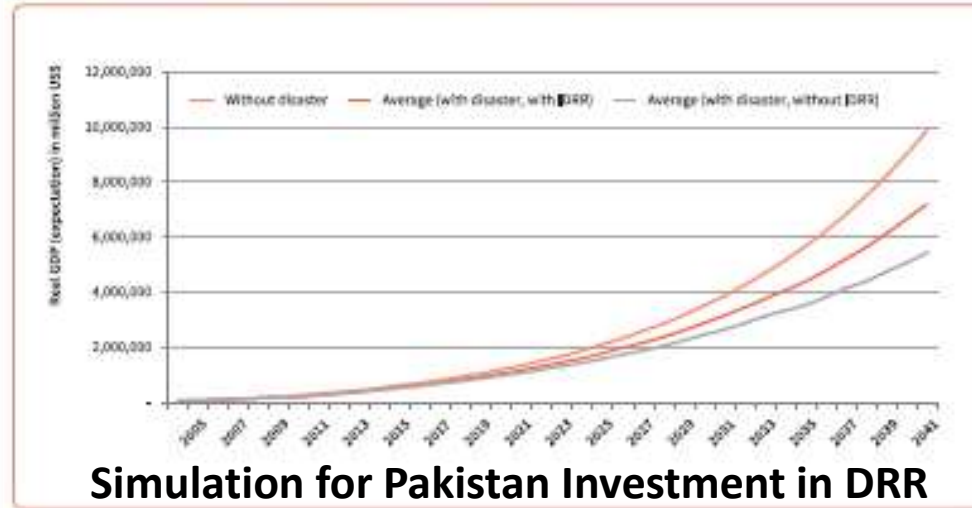
Global Assessment Report  
on Disaster Risk Reduction

2013

From Shared Risk to Shared Value:  
The Business Case for Disaster Risk Reduction



Figure 5.12 Simulation for Pakistan (IDRR = investment in disaster risk reduction)



**Wider importance of pre-disaster investment was demonstrated through and experimental simulation of long-term macroeconomic impact**

Helped to demonstrate the link between DRR and development issues, such as the SDGs



# 3. Discussion Framework

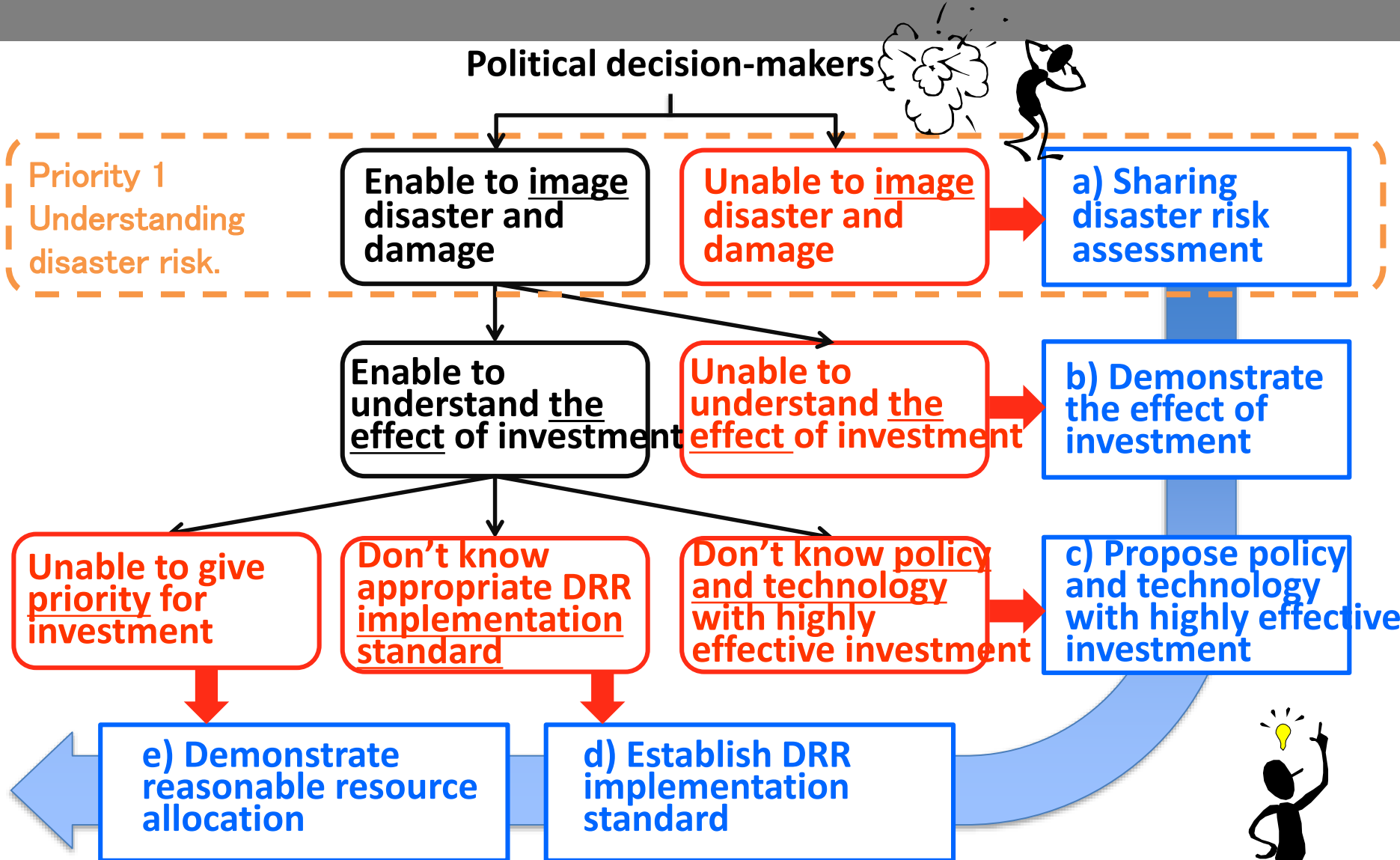


Fig. S&T can play a fundamental role for breaking a barrier for DRR investment



## 4. Expected Inputs to National Platform Guideline and Synthesis Report

- Collect and share **best practices** demonstrating **cost-effectiveness** in DRR investment.
- b), c) Develop a **method** for demonstrating **the effect of investment** in both **structural and non-structural measures** as **economic value**. This contribute to selecting the most effective policy and countermeasure through comparison.
- d) Establish a **standard/criteria** for **implementing** DRR policy and technology considering **cost-effectiveness**, and make a **guideline**.
- e) Give **priority** for smart investment from limited budget from a standpoint of S&T