



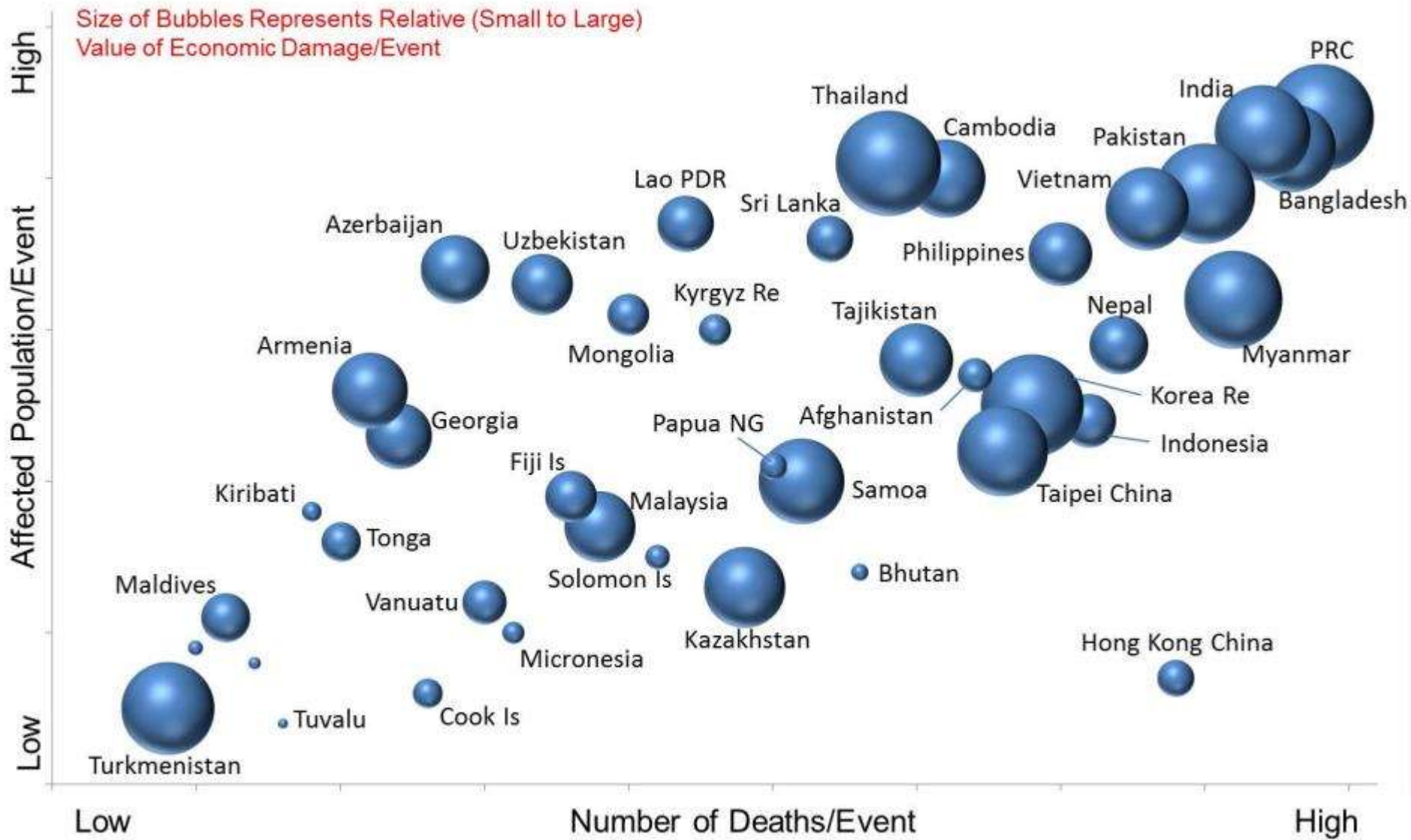
Flood Risk Management in Asia

“From Knowledge to Action”

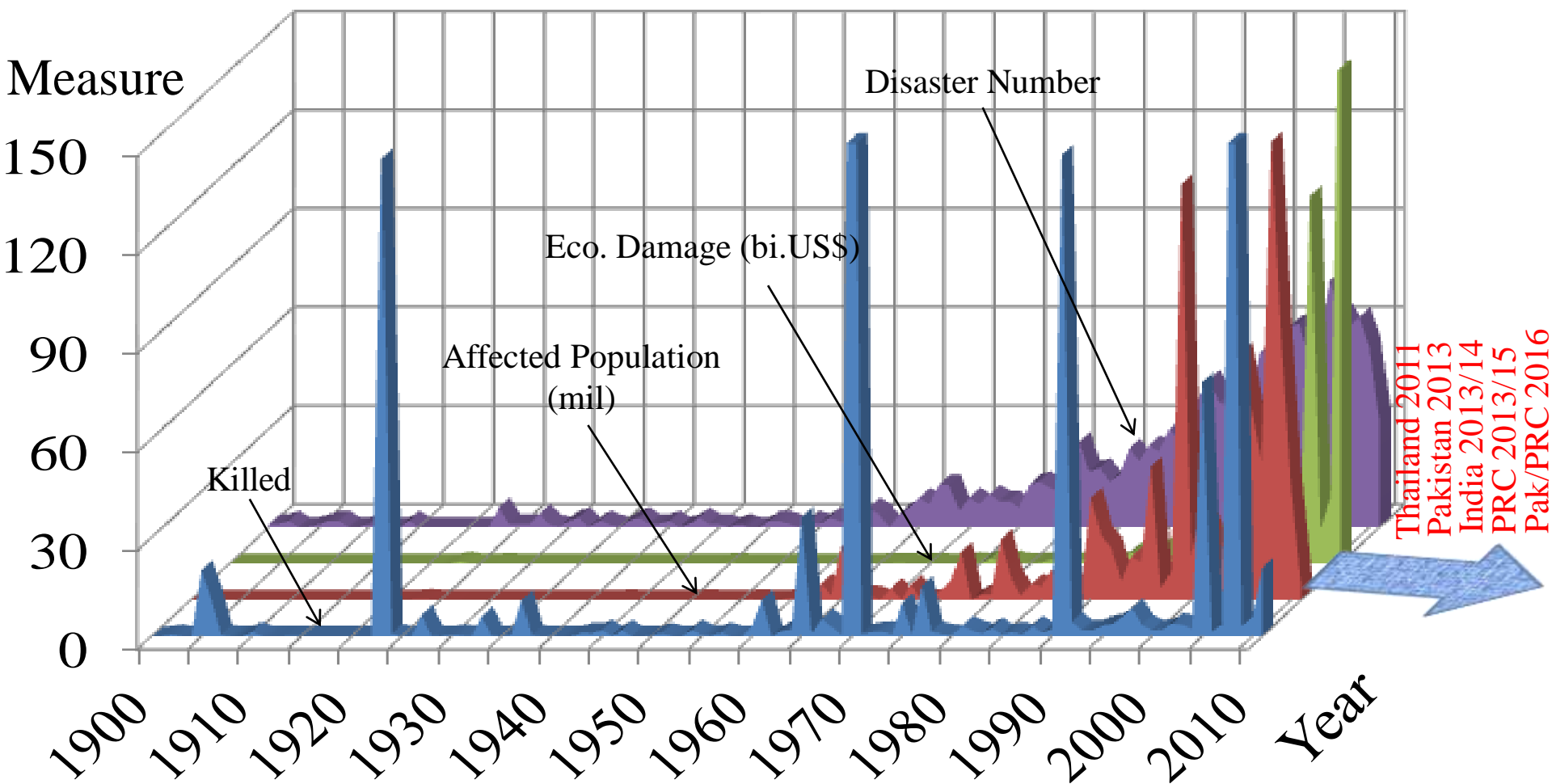
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Asian Development Bank, Manila, The Philippines

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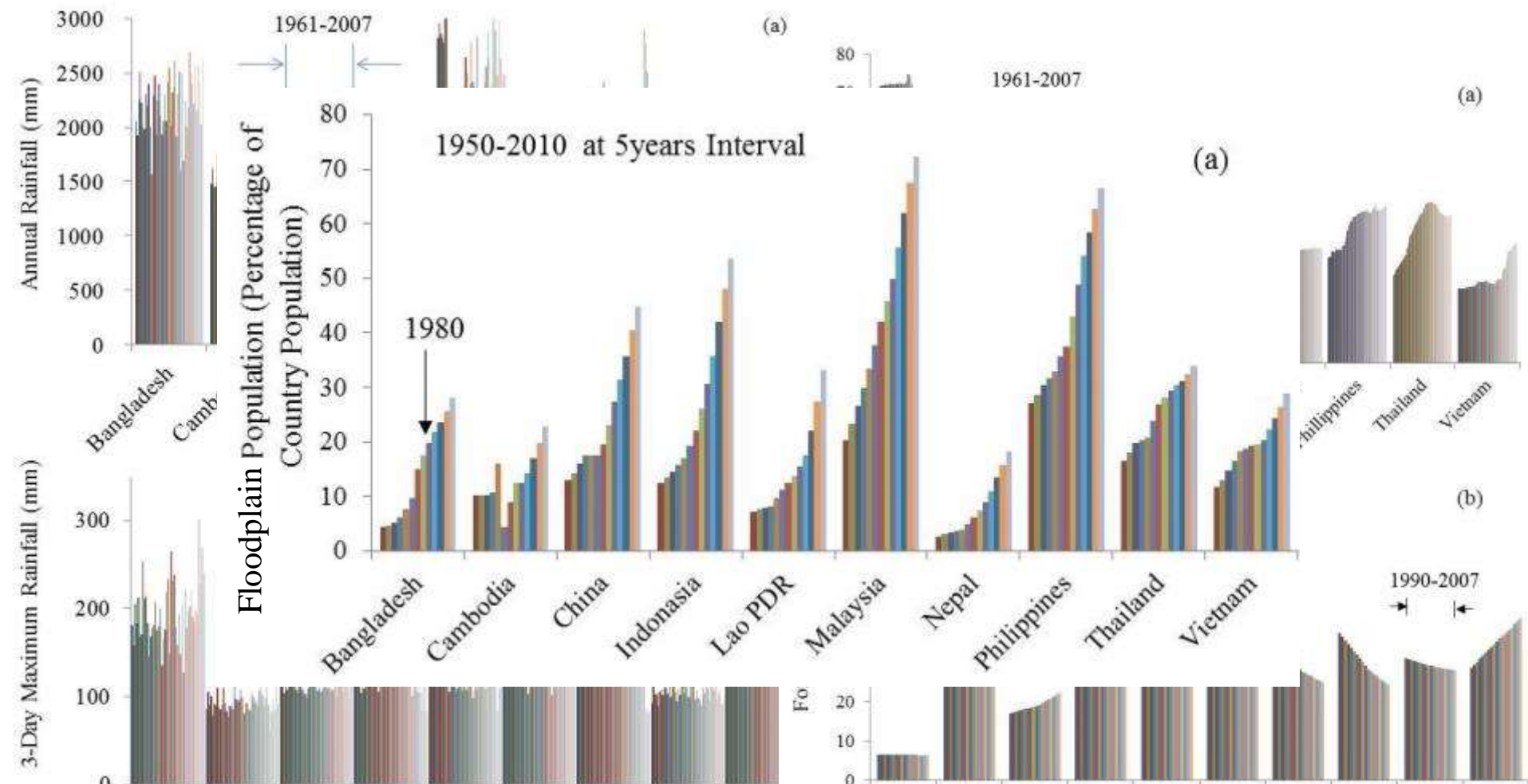
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FLOOD IMPACT IN ADB's DEVELOPING MEMBER COUNTRIES



WHAT MATTERS US THE MOST?

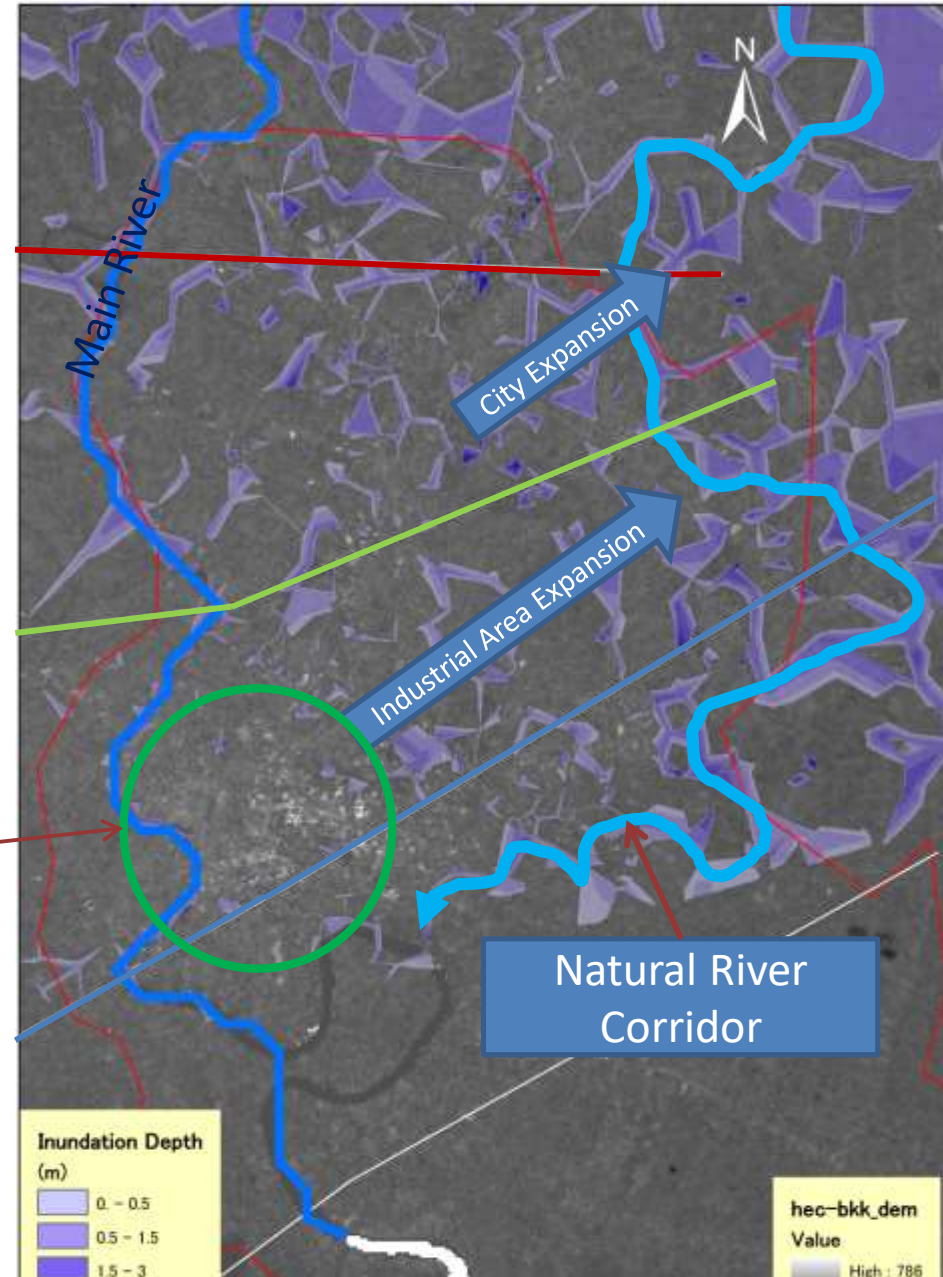
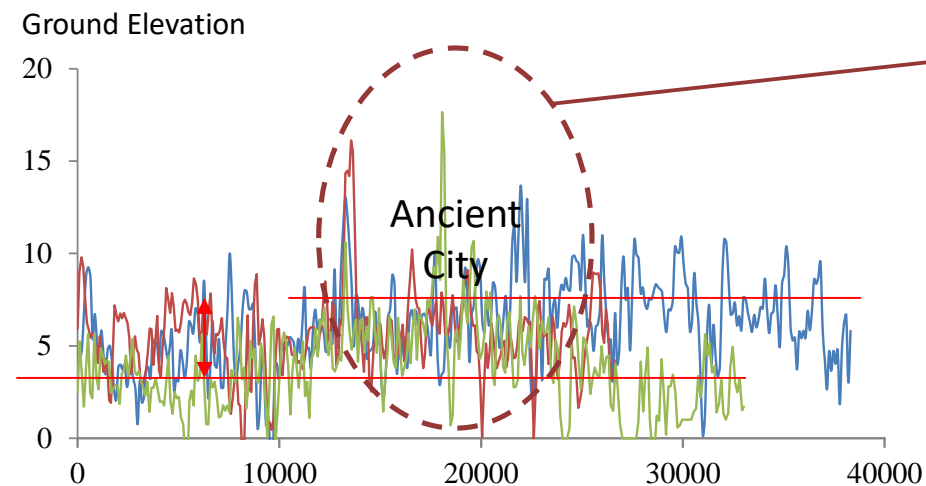


WHAT DOES THIS MEAN FOR FLOOD?
People/Asset Accumulation-EXPOSURE

EMERGING/UNIQUE ISSUES IN ASIA



45.7B\$-2011

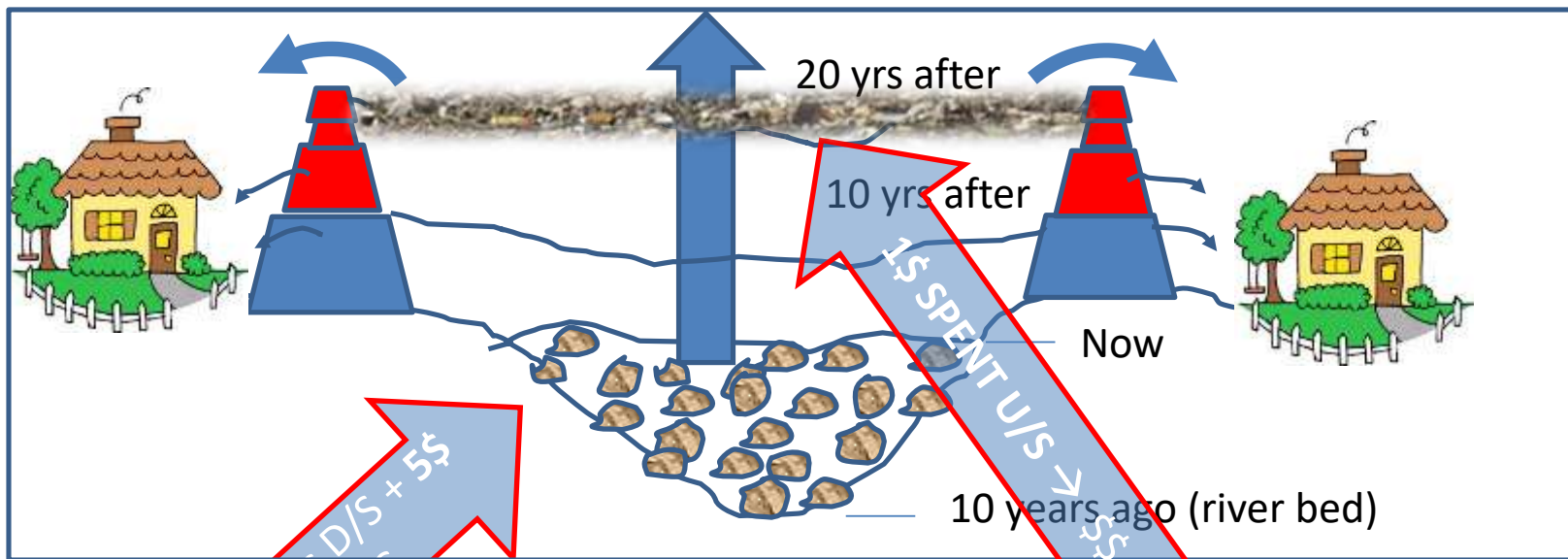




БГД-ийн 1Х хорооны №10 гудамжны эхний айлын байшингийн
цэнхэр дээвэр далангаас дэнгэл цухуйж байна. Энэ айлын харалдаа
Хөр сувгаасаа хальдаг тул 20см дэндэр 500см урт хориг тавьсан байна.



RAINFALL AND RIVERS? CAUSE/EFFECT



WHAT ARE THE ISSUES?

Integration

1. Fragmented/Piecemeal Approach
2. Lack integrated approach,
3. IWRM, FRM, RBM, DRM, CCA Nexus
4. Risk sensitive development planning

Innovations

1. Global solutions/dated problems,
2. Slow to tap emerging challenges,
3. Lack innovation and localization,

X-Cutting

1. Conventional approach (control),
2. Lack inclusive development,
3. Ignored social dimensions,
4. Poor private sector engagement

Investment

1. Investment gap current/future goals
2. How large should be the investment?
Target 100 or 1000 year event?

2001 Water for All Policy (7-Key Elements)

2004 Disaster and Emergency Assistance Policy (DEAP)

2006 Water Financing Program 2006-2010

Key Investment Areas

- **Rural Water:** Health and livelihoods
- **Urban Water:** Economic growth in cities
- **Basin Water:** Promote IWRM & healthy rivers and adapt to CC

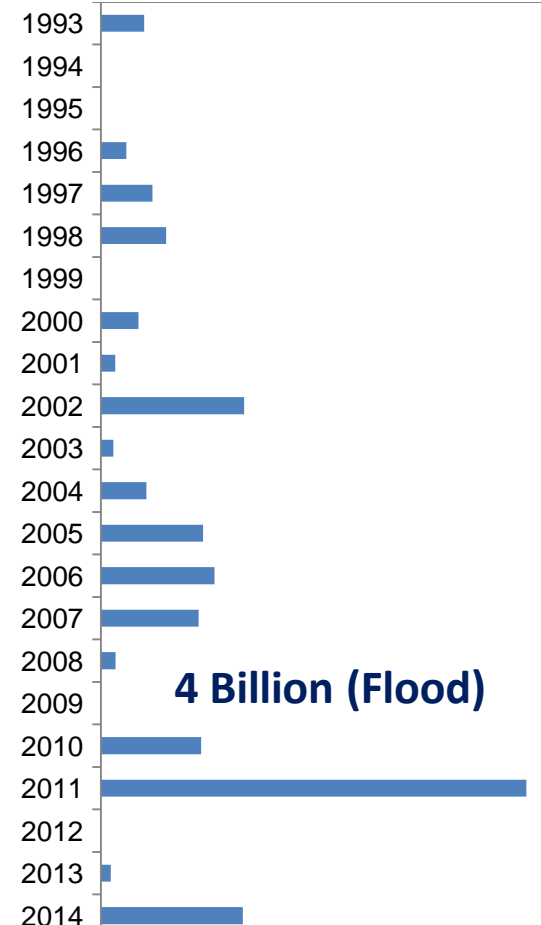
2008 Strategy 2020
DEAP Action plan

2011 Water Operational Plan 2011-2020

Embedded IWRM

- Flood and Drought Miti., Water-Related Disasters
- Water-Food-Energy Nexus

2014 Mid-term review (water-food-energy, climate change adaptation)



**Post 2015
Development
Agenda:**

**Sendai Resolution,
SDGs, Paris
Agreement**

WHAT ARE THE SOLUTIONS?

1. Common Principles but NO Common Solutions



3. SOUTH-SOUTH COOPERATION

Look Forward to Working
With You
Thank You!

谢谢