Understanding Risk
(London 2014)

The missing link: from risk analysis to risk reduction investments

Fernando Ramirez
Sr. Disaster Risk Management Specialist
LCSDU - World Bank
Risk Information projects in LCR
Learning from the field

Phase I (2009 – 2011) – Software Development and pilot studies

Phase II (2011 – 2012) – Technical Assistance Projects

Phase III (2012 – 2014) – Sector mainstreaming
THE MISSING LINK: DISASTER RISK INFORMATION FOR URBAN DEVELOPMENT POLICIES AND PROGRAMS
(Sixth Urban Research and Knowledge Symposium, Barcelona, 2012)

Key characteristics of risk information:

• Targeted and Strategic
• Robust and dynamic
• Authoritative and trusted
Peru Safe school Program
School Infrastructure Seismic Risk Assessment in Lima Peru

The target

- Establecimientos escolares: 1,512
- Pabellones: 5,460
- Alumnos: 612,244
- Área construida: 1,657,221 m²
- Costo de reposición: S/. 1,413,112,142
- Precio unitario de reposición: S/. 852.70 /m²

The strategy

- Link the study to MoE infrastructure programs
- Learning by doing (IGP and PUCP)

The players:

- Ministry of Education
- Peru Geophysical Institute
- Peru Catholic University
The outcome

**Target and Strategic:** the results of the seismic risk study are informing the National School Infrastructure Plan (NSIP) design: a **US$ 200 million short term retrofitting program in Lima is under design**

**Robust and dynamic:** the risk study will be extended country-wide (**50,000 schools**) base on the School Infrastructure Census that the MoE conducted in 2013. Vulnerability functions will be improved and lab test will be conducted. A wider group of local experts an universities will be participating

**Authoritative and trusted:** the MoE’s infrastructure team trusts in the modeler (PUCP). The MoE created **the NSIP by decree** (May 2014) and incorporated risk reduction policies. The school construction code is under updating process. The MoE requested the WM further TA