



**IAIA Special Symposium:  
Climate Change and Impact  
Assessment**

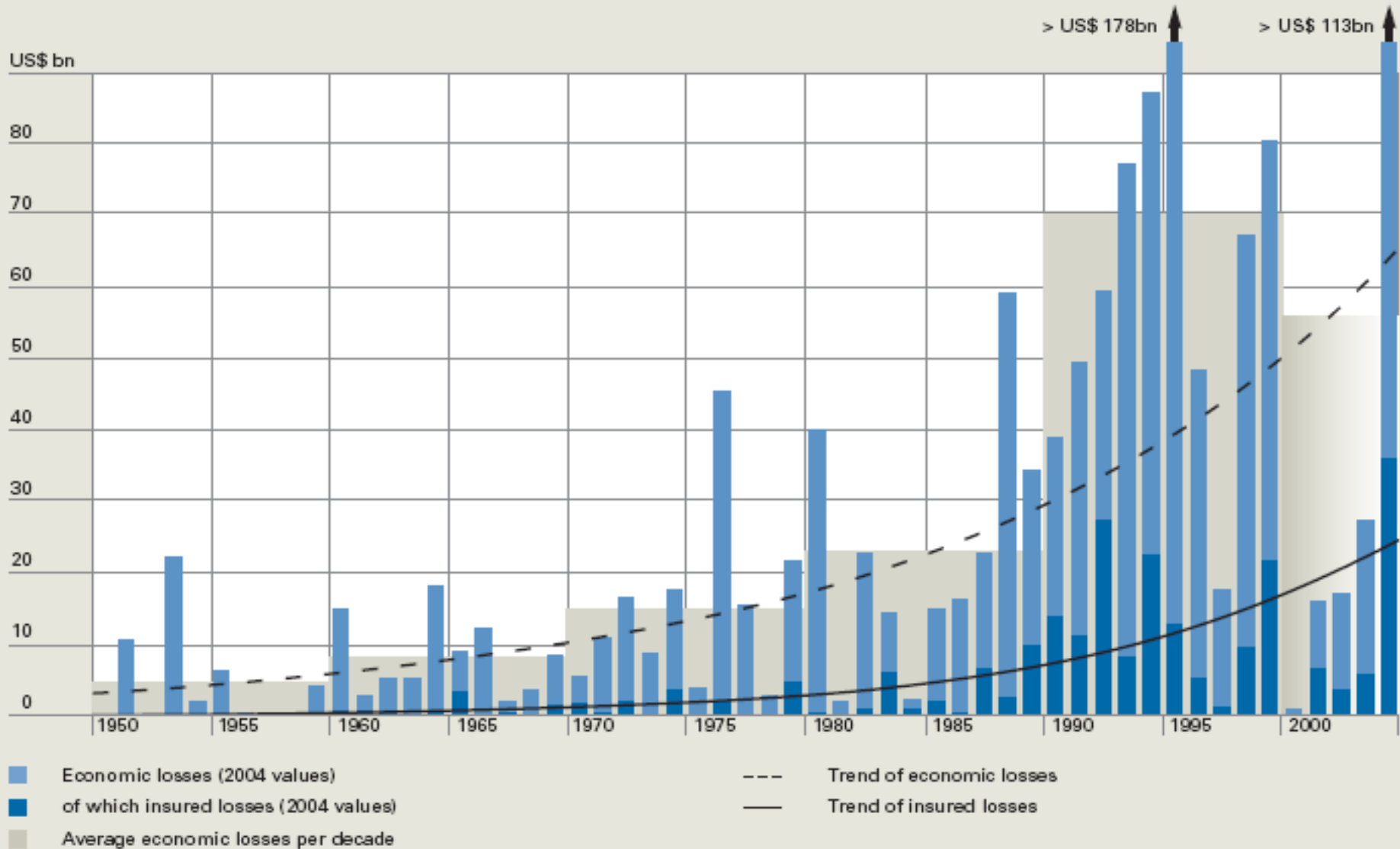
Washington, D.C.

November 15-16, 2010

**Parallel session II:  
Insuring Against Climate Change**

Francis Ghesquiere,  
Lead DRM Specialist  
The World Bank

# Disaster Loss since 1950



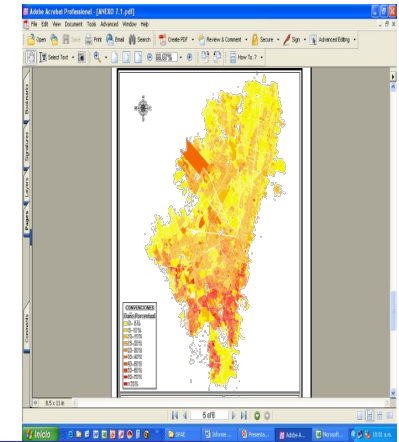
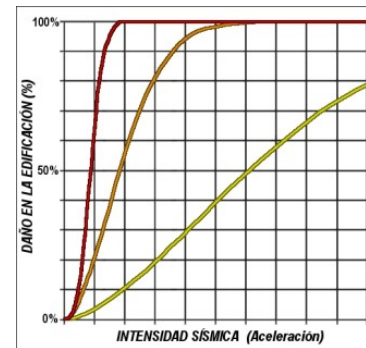
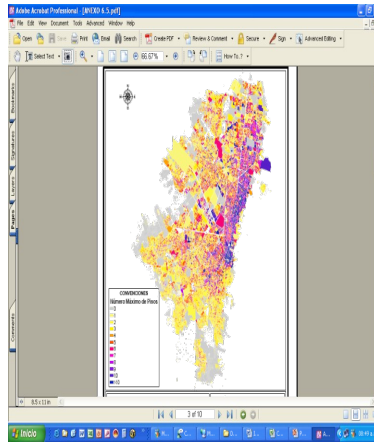
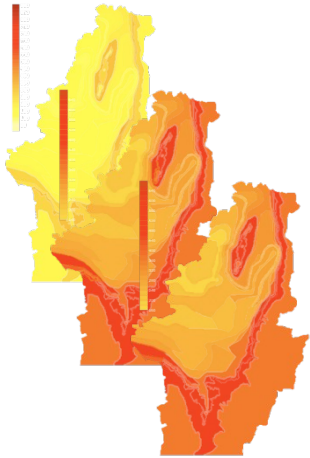
# Probabilistic Risk Modeling

Hazard  
(i.e. cyclone)

Exposure  
(i.e. houses)

Vulnerability  
(of house to wind)

Risk  
(i.e. probable loss)



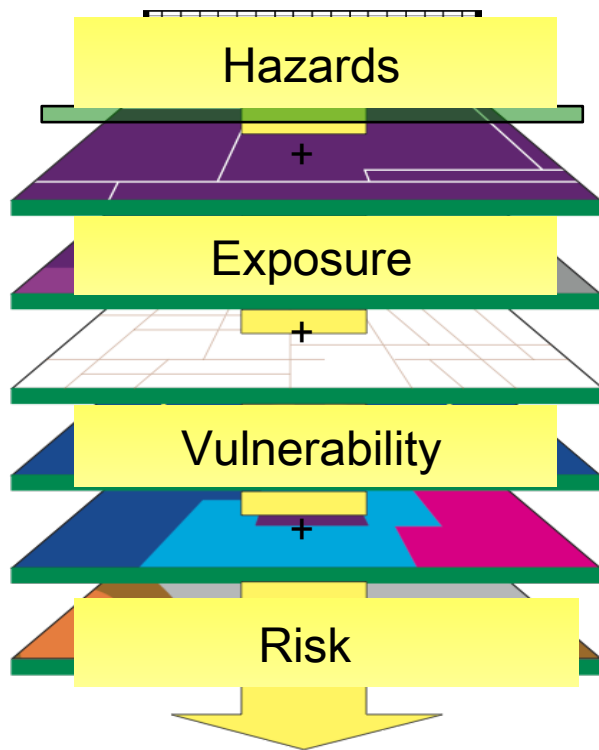
Analysis of Potential for Loss  
- Scenario or Stochastic -

INFRAESTRUCTURA

ECONOMIC

SOCIAL

ENVIRONMENTAL



**Application**

**S**

**Analysis or risks resulting from future climate**

**Territorial planning**

**Infrastructure design**

**Cost Benefit analysis for investments in climate change adaptation**

**Scenario analysis for emergency preparedness**

**Analysis of financial exposure**

Risk modeling is  
expanding beyond  
insurance and rapidly  
becoming mainstream in  
disaster risk  
management

