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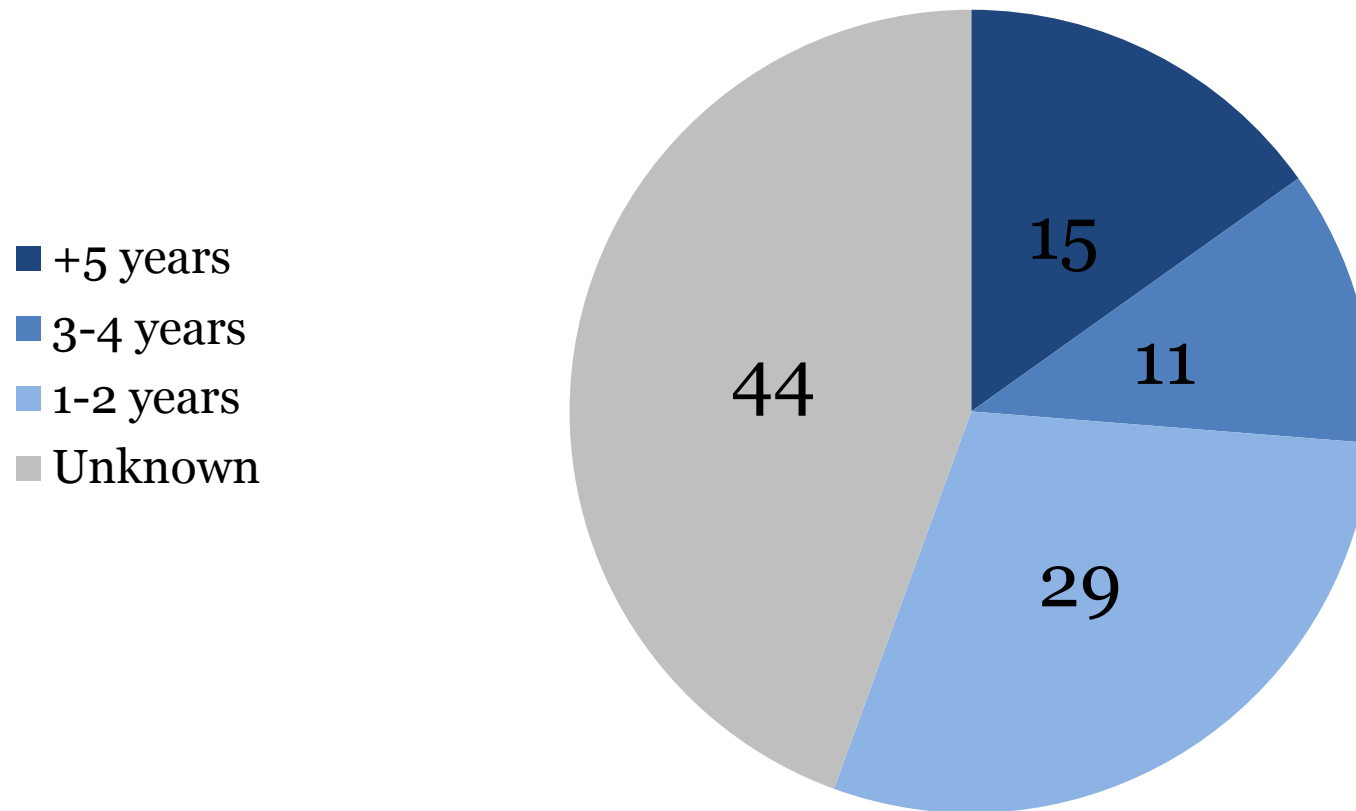
# Looking back at reconstruction and disaster risk reduction in housing

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# Purpose of the research

- Investigate long term impacts of reconstruction projects on housing and livelihoods
- Derive key factors or issues to be considered in future project design and as indicators
- First phase using qualitative methods; development of tools could follow on from this



**Number of longitudinal studies of impact  
by years after reconstruction (based on literature review)**

# Themes

User  
satisfaction

Beneficiary  
targeting

Replication

Technical  
performance

Impact on  
livelihood

# User satisfaction

- Whether people like or dislike their houses can be an important indicator of sustainability and replication of the types of housing built
- Are users happy with their houses?
- Advantages & disadvantages of living in the houses?
- Did the project meet their needs and requirements?

# Beneficiary targeting

- Whether or not the right beneficiaries are reached is an important factor in the long-term impact of projects
- Do projects reach the right people?
- Are the solutions offered appropriate for them?

- Whether the housing solutions provided are being replicated by the beneficiaries or others is a good indicator of their appropriateness and sustainability
- Have residents expanded their houses using techniques introduced by the project?
- What limits the families to replicate this type of housing?

# Technical performance

- It is only over the longer term that one can judge whether houses do stand up to further disasters, or the effects of climate, insects and other factors
- Are they sufficiently durable?
- Any maintenance issues?



## Impact on livelihood

- Did reconstruction generate additional and sustainable livelihoods?
- Did projects stimulate non-reconstruction livelihoods?
- Did people become more resilient / less vulnerable as a result of projects?

# World Habitat Award winners and finalists as cases

- La Paz Post-earthquake Reconstruction Programme, Fundasal, El Salvador, 2004
- Preventing Typhoon Damage to Housing, Development Workshop, Central Vietnam, 2008



## Reconstruction:

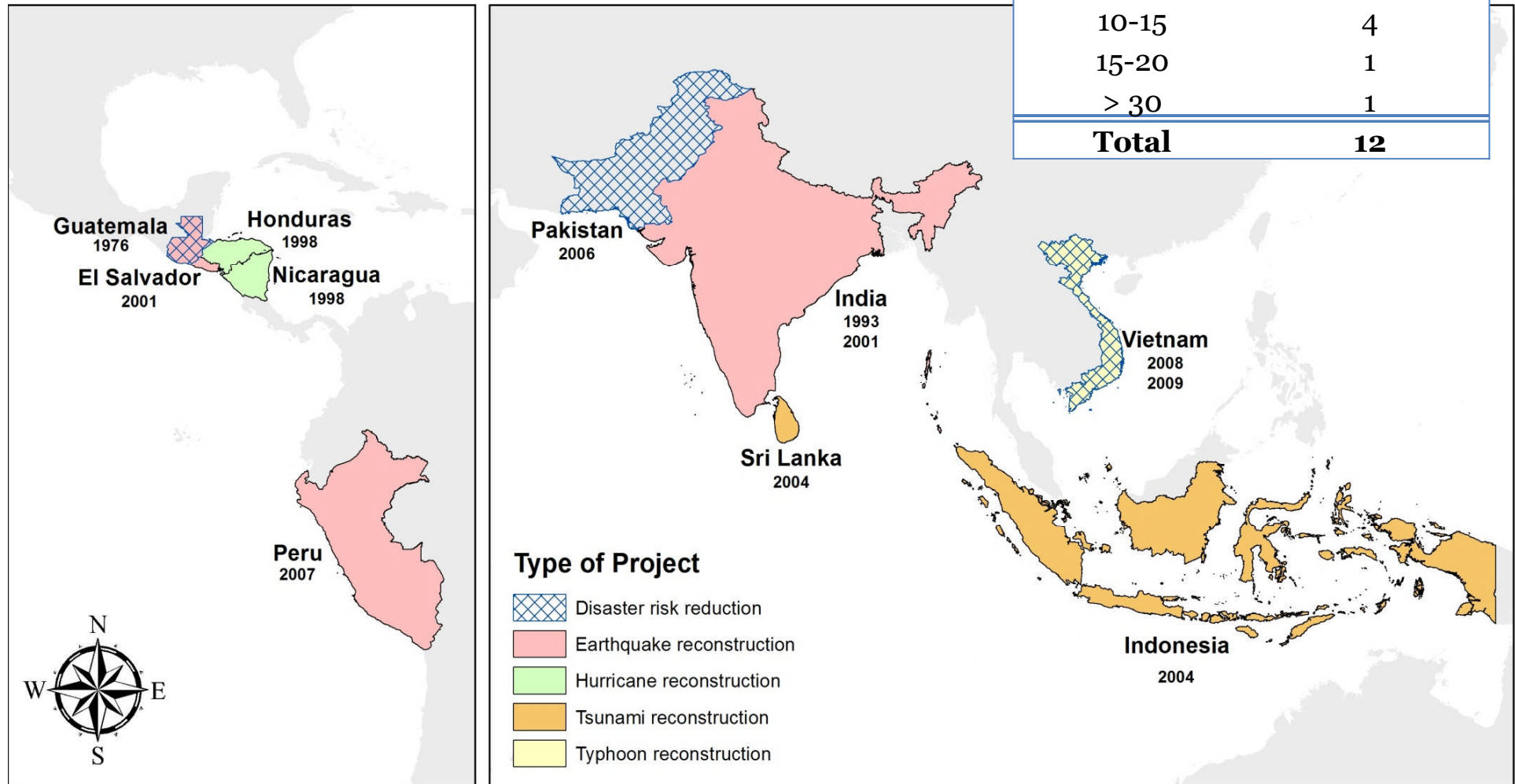
- Post-earthquake reconstruction in Chincha, Peru, 2010 (Practical Action)
- La Paz earthquake reconstruction programme, El Salvador, 2009 (FUNDASAL)
- Post-tsunami reconstruction and rehabilitation, Sri Lanka, 2008 (Practical Action)
- Integrated people-driven reconstruction, Indonesia, 2007 (UPLINK)
- Gandhi Nu Gam, Gujarat, India, 2004 (Vastu-Shilpa Foundation)
- Reconstruction after hurricane Mitch in Honduras, 2000 (Sofonias)
- Reconstruction after hurricane Mitch in Nicaragua, 2000 (Sofonias)
- Reconstruction in the coastal province of Vietnam, 2009 (Development Workshop)
- In Situ Rehabilitation of Earthquake Victims in Latur District, India, 1997 (HUDCO)

## Disaster Risk Reduction:

- Preventing typhoon damage to housing, Central Vietnam, 2008 (Development Workshop)
- Building and Construction Improvement Programme, Pakistan, 2006 (Aga Khan Planning and Building Service)
- Clay Houses that have resisted earthquakes, Salama, Baja Verapaz, Guatemala, 2002 (Sofonias)

# Case studies

Years after Disaster	Number of cases
< 5	2
5-10	4
10-15	4
15-20	1
> 30	1
<b>Total</b>	<b>12</b>



- Field study
  - Interviews
    - Men & women of different age groups
    - Local leaders, builders, other agencies
  - Focus groups
    - Female/male
  - Observation of changes
    - Writing and photos
- Writing of case study

# Next steps

Time	Output
<b>July – September 2013</b>	Fieldwork, producing reports with observations of change and impacts, and pictures showing these
<b>October – December 2013</b>	Elaboration of case studies drawing from the ‘baselines’ and the fieldwork reports
<b>January 2014</b>	International meeting in the UK to discuss results among research partners and with others
<b>February – March 2014</b>	Writing and production of a position paper
<b>March – August 2014</b>	Editing and printing a hard version of the book Production of a pdf file for free access on the internet
<b>Autumn 2014</b>	Book launch
<b>Onwards</b>	Production of additional communication outputs

# How you can help

## 1. Come to...



**15-16 January  
2014**

### **Meeting in Coventry**

- Discuss the case studies and lessons learned among research partners and with others
- Help draw conclusions

## 2. Help review one of the cases in detail before publication

Thank you for your attention!

Further information

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