Looking back at reconstruction and disaster risk reduction in housing

UK Shelter Forum
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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?
Replication

- 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
Case Studies

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

<table>
<thead>
<tr>
<th>Years after Disaster</th>
<th>Number of cases</th>
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<tbody>
<tr>
<td>&lt; 5</td>
<td>2</td>
</tr>
<tr>
<td>5-10</td>
<td>4</td>
</tr>
<tr>
<td>10-15</td>
<td>4</td>
</tr>
<tr>
<td>15-20</td>
<td>1</td>
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<tr>
<td>&gt; 30</td>
<td>1</td>
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<tr>
<td>Total</td>
<td>12</td>
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Methodology

• 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

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