



Building Typology / Typical Damage Pattern



Stone in Mud Mortar House



GABLE WALL

Stone masonry wall – Wyeth Separation

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Mout







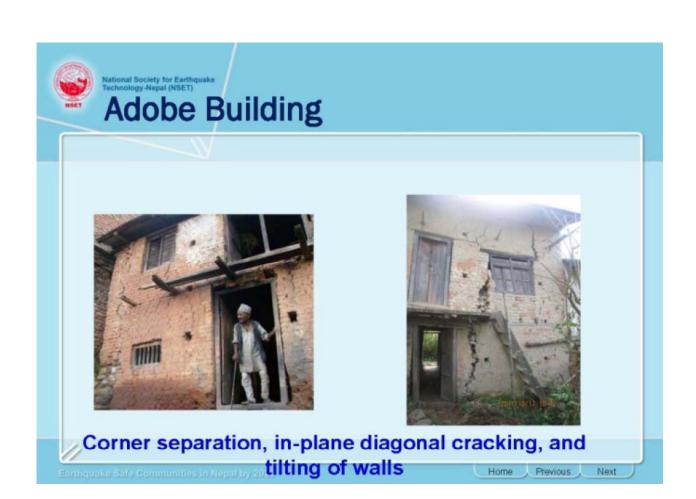
Corner separation and in-plane diagonal cracking in stone masonry walls

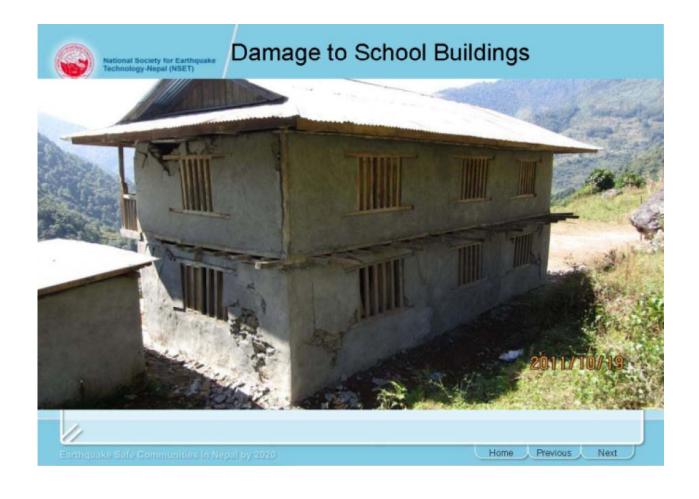
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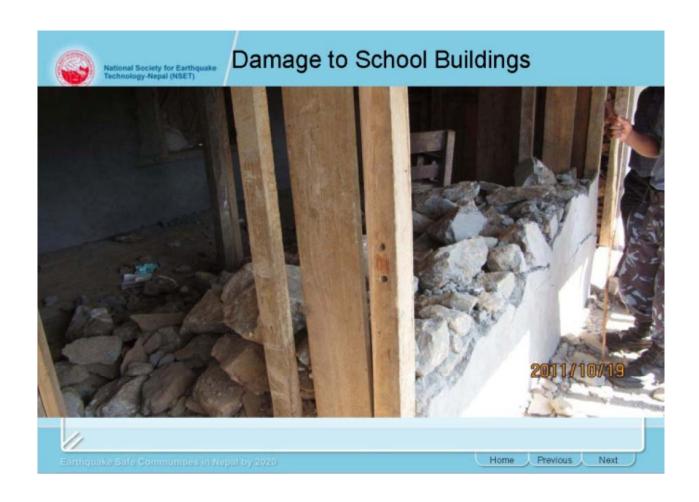
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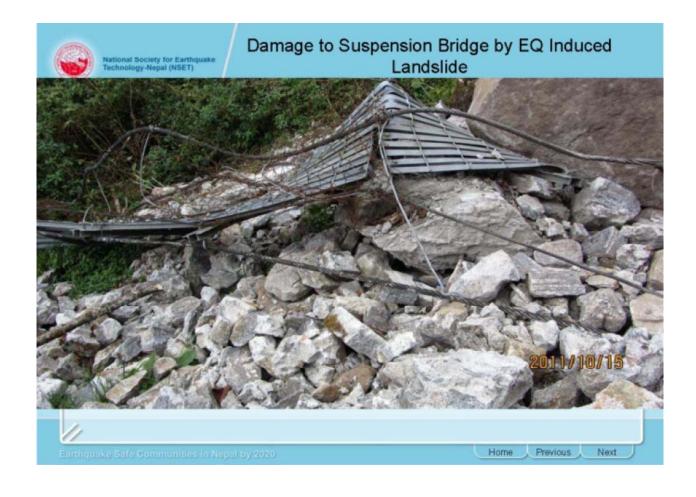
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Extent of Damage

- Definition of damage vis-a-viz acceptable level of risk
 - eg. PDNA by world bank and assessment of local authorities
 - Planning baseline

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POPERANO



Extent of Damage

Private Houses

>DG 3 = 7,000 -10,000 * 300,000 (excluding salvaged materials) = 3,000,000,000

DG 2-DG 3 = 15,000 - 20,000 *100,000 = 2,000,000,000

Schools/Colleges

>DG3 = 700 - 1,000 (bldgs) * 1,000,000 = 1,000,000,000

DG 2-DG3 = 1,500 - 2,000 *500,000 = 1,000,000,000

Health Facilities

>DG3= 150 - 200 * 500,000 = 100,000,000

DG2 - DG3 = 150 -200 *200,000 = 40,000,000

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Extent of Damage

Govt offices (Police offices, VDC offices)

>DG3 = 100*1000000 = 100,000,000

DG2-DG3 = 100*500000 = 50,000,000

Others =100,000,000

Water Supply Pipelines/Canals

Bridges(Suspension 5-10 numbers >DG3)

Total = 7,400,000,000 = 7.5 Arab

= \$100M

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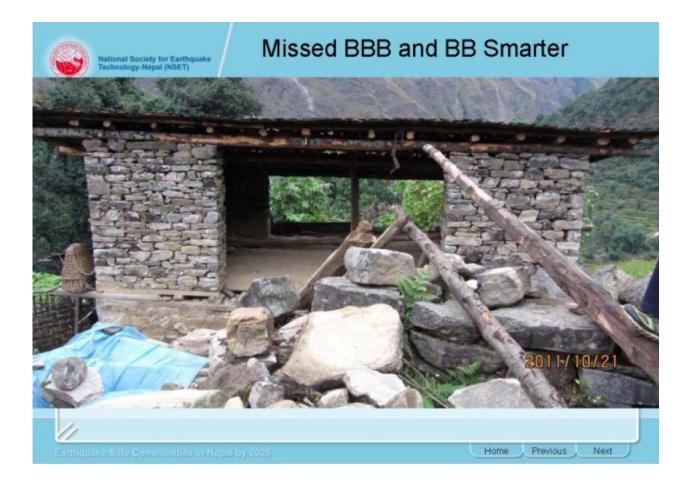
Huge

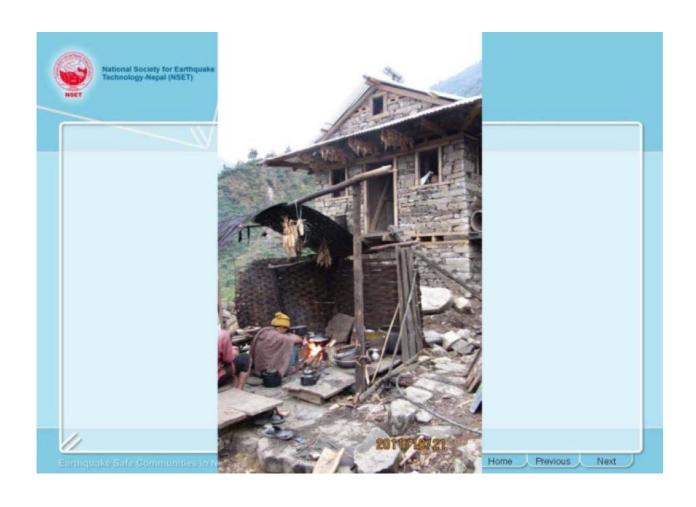
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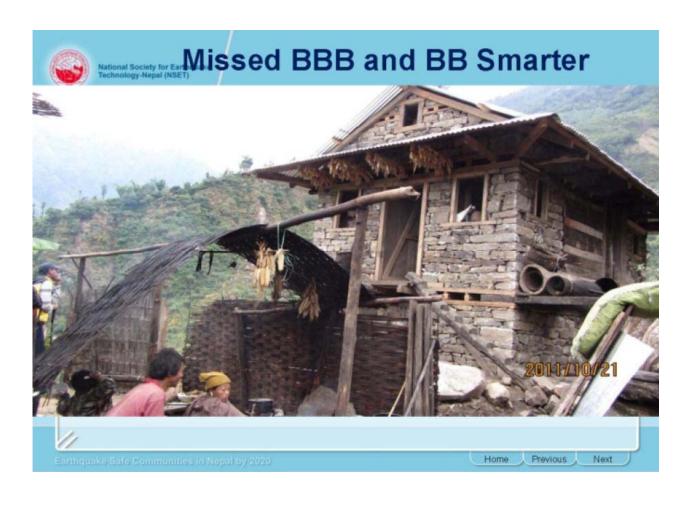
ENHAN



Response/rehabilation









Reconstruction Efforts

- Government
 - Loans
 - Technology
 - Control mechanism
- NSET
 - Capacity building and awareness for reconstruction
 - Building Code Implementation
 - Long term change of mind set and community based DRR

