WHE-PAGER PROJECT: BUILDING CONSTRUCTION VULNERABILITY AND INVENTORY

1. Country or Region (if you are only responding for part of a country, please indicate which geographic region.

Note: the WHE strongly prefers national estimates, unless you have data that clearly apply to only one region):

Chile

This form is divided into 3 parts:

2. Name(s) of Contributors

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3. Affiliation (Organization)

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4. Mailing address (include city and country)

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6. Your self-rating of expertise or confidence: On a scale of 1=low and 5=high, please estimate your level of expertise:

4

Part II: Summary of Construction Types, Vulnerability and Population

| Construction Material | | Probability of collapse (%) of building type when subjected to the specified shaking intensity | | | | Fraction of population who LIVES in this building type | | Fraction of population who WORKS in this building type | | Peak average # of occupants per building | |
|---------------------------------|---|--|------------------------|--------------------------|-------------------|--|-------|--|-------|--|--|
| (choose from drop-down list) | Construction Subtype (Choose from drop-down listrefer to instructions to see complete list) | IX (~0.65-1.24g) | VIII (~0.34- 0.65g) | VII (~0.18-0.34g) | VI (~0.09218g) | urban | rural | urban | rural | | |
| 1 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| 4 | | | | | | | | | | | |
| 5 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
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| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 16 | | | | | | | | | | | |
| 17 | | | | | | | | | | | |
| 18 | | | | | | | | | | | |

| | | | | | | | 1 | | | |
|--|---|--------------|------|----|----|----|----|----------|----|----------|
| | | | | | | | | | | |
| or other | combinations, use blank fields below: | <u> </u> | | | l. | | | <u> </u> | | |
| teel | braced steel trame (mostly industrial use) | 2 - | . [. | - | | 1 | | 27 | 20 | |
| | reinforced concrete shear walls | 1 | | | | 25 | | 46 | 20 | 3.5/unit |
| | reinforced masonry | 10 | 5 | | | 15 | 16 | 7 | 12 | 3.5/unit |
| | confined masonry | 5 | 2 | | | 13 | 14 | 8 | 11 | 3.5/unit |
| | partially reinforced or confined masonry (hybrid masonry) | 30 | 20 | 5 | | 32 | 34 | | | |
| | unreinforced stone masonry | 90 | 60 | 20 | | | 1 | | | |
| | adobe | 85 | 55 | 10 | | 1 | 2 | | 1 | |
| | wood | 10 | 5 | | | 11 | 18 | 5 | 13 | |
| | other | | | | | 2 | 14 | 7 | 23 | |
| | | | | | | | | | | |
| art III: C | olleagues Consulted, Additional Sources of Information Used | | | | | | | | | |
| | | | | | | | | | | |
| lame | Maximiliano Astroza_, Associate Professor, | | | | | | | | | |
| Part III: C Name Affiliation Mailing | Maximiliano Astroza_, Associate Professor, | | | | | | | | | |

| 1 Name | Maximiliano Astroza_, Associate Professor, | |
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| Affiliation | | |
| Mailing | | |
| address | | |
| e-mail | | |
| | | |
| 4 Sources of info | ormation you used (websites, publications, etc.) Please provide as much | det |

ail as possible.

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5 Additional comments

Although in table 2 we had identified various construction types, in table 1 we had grouped them depending on the available information respect to its use or its vulnerability. Rubble stone and adobe block walls are found mostly in rural zones. Masonry with different reinforcements types is still the most used material. Steel braced frame or more recently precast frame structure are used in industrial structures.