

IP1: Functional Recovery with Repairable Multi-Storey Buildings

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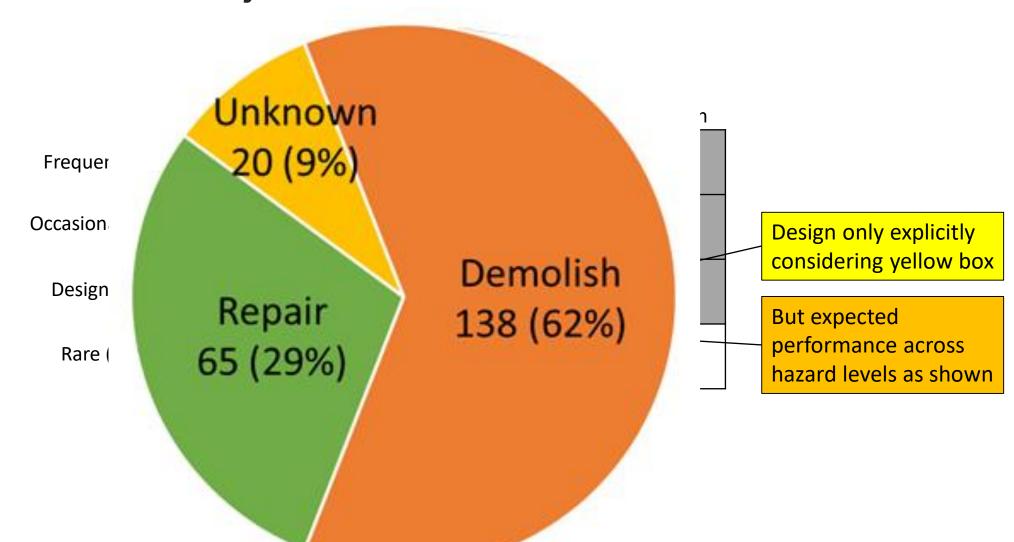






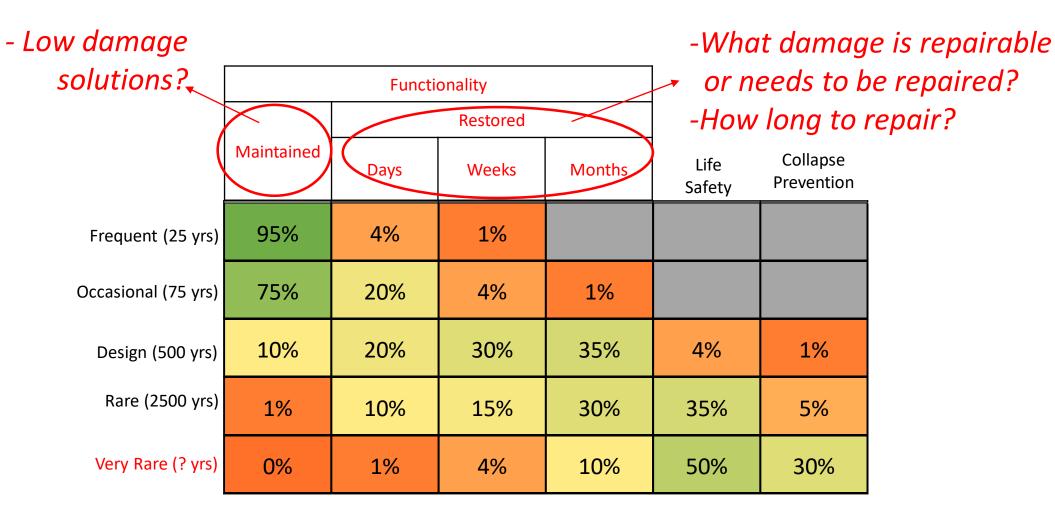


Performance objectives



Functional Recovery





NB: Numbers are completely made up!



Explicit Research Questions

- 1. What *low-damage solutions* provide a high confidence of maintaining functionality for even rare earthquakes?
- 2. What is the expected performance of a damaged building in subsequent earthquakes (with or without repair) and what level of damage requires repair?
- 3. What level of damage can be accepted, and how to assess achievable and acceptable *timeframes* for restoration of function considering external constraints and stakeholder requirements?

This Inter-disciplinary programme will provide the underlying science to support the development of the world's first functional recovery-based seismic design standard.