

Pre-Disaster Preparedness

Governance + Regulation:

- National Building Code (exists?) how well is it enforced?
- Does NBC cover housing adequately for urban + rural settings?
- Standard designs often too expensive for vulnerable populations
- Which Government Ministries govern housing and infrastructure planning

Engineering/Architectural education:

- Engineers and Architects are often not trained in DRR/CCA principles
- Few local Engineers qualified in Seismic Engineering (specialist areas)
- Few professionals have project management experience – how does age affect professional credibility?

Construction Labour:

- Availability generally and in crisis
- National Training Institutes need to recognise prevalent hazards and related safe building techniques – retrain existing skilled workers, fully train newcomers
- Do women form part of the construction workforce?

Material Supply Chain:

- How volatile will markets be in crisis, how do they vary across regions?
- Are **quality materials** available in the construction supply chain
- What do different settlements use for building?

Community based (localised) approaches:

- Religion and beliefs
- Gender and societal roles/hierarchies (organisation) – household definition
- Literacy levels + Languages spoken
- Vulnerability + DRR/CCA

Post-Disaster

Programmatic Challenges

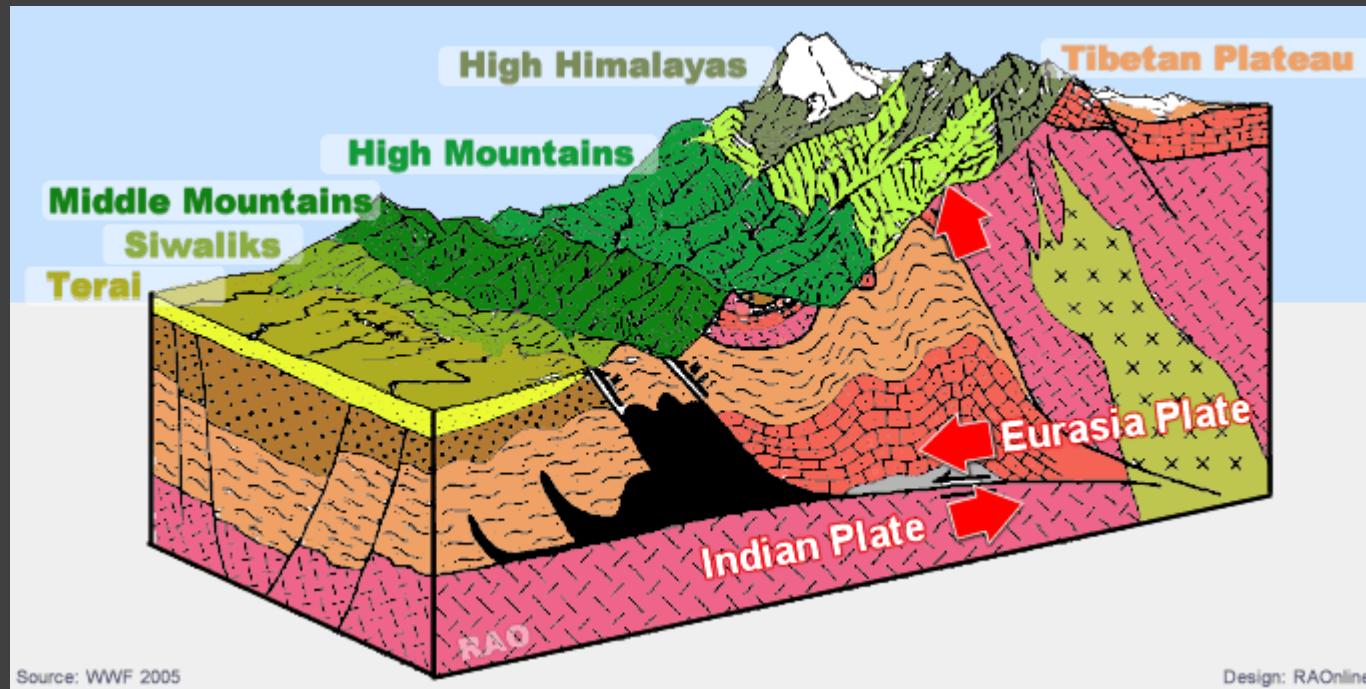
Policy driven - challenging to work on during a response

Disasters can be an opportunity to address gaps in the market and upskilling new/existing labour

- Work with established actors/stakeholders/community groups
- Households start recovery from Day 1 after the disaster
- Community involvement is critical to addressing multiple hazard environments – local knowledge is key to maintaining safer environments

Seasonal Calendar + ongoing disaster impacts

Climate					Climate			Religion + Politics		Climate	
Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
snow						monsoon			Festivals + Elections		snow



Requires bespoke regional approaches:

- Construction + DRR messaging
- Logistics planning related to climate challenges
- Construction designs
- Construction materials
- Construction training

Environmental Challenges