PEOPLE CENTERED APPROACH TOWARDS RESILIENT ARCHITECTURE

INTERNATIONAL RECOVERY PLATFORM 2019
AR. G SHANKAR
HABITAT TECHNOLOGY GROUP, KERALA
WHY people-centered approach towards resilient architecture?

Cultural appropriateness
Indigenous knowledge
Marginalised groups are left with no choice.

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HABITAT TECHNOLOGY GROUP, KERALA
My Learnings

Bhopal, Gas Tragedy | 1984
Odisha Super Cyclone | 1999
Bhuj Earthquake | 2001
SRI LANKA | Tsunami | 2004
Uttarakhand Floods and Landslide | 2013
NEPAL | Earthquake | 2015

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DAMAGE CAUSED

- Loss of life/Livelihood/Shelters
- Agriculture
- Livestock
- Land salinization
- Infrastructure

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ENVIRONMENTAL FACTORS

- Unprecedented rainfall
- Land use
- Environmental laws
- Protected biospheres

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SOCIAL FACTORS

- Lack of awareness
- Weak institutional mechanisms
- Blatant violations
POSITIVES

-Social Mobilisation
-Fishermen community (management)
-Political will
-International models on Health care

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BUILD BACK BETTER

- Eco sensitive land use policy
- Traditional idioms
- Habitat literacy
- Appropriate technologies and materials
- Changing trends in design
- Disaster resilient architecture
- Retrofitting

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HOLDING HANDS

-UNDP-Habitat Shelter Hubs

Awareness | Consultation | Disaster resilient construction literacy

-Government of Kerala

-NGOs/Non Profit Organisation

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UN-HABITAT SHELTER HUBS

ACTIVITIES

- Rebuilding | Retrofitting | Repair
- Consultation
- Masons training programs
- Exhibitions
- Interactive sessions with government officials, beneficiaries, professionals and students.
- Mapping available local resources
- Identifying and funding beneficiaries with special needs.

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FLOOD REHABILITATION PROTOTYPE

built within 25 days

AREA = 500 SQ.FT.
COST = Rs 5 Lakhs
= $ 7100.76

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