



# Tools and Guidance on Building Back Better

## *ADRC/IRP Experience in Disseminating Knowledge on Recovery*

International Training Workshop on Post-disaster Recovery  
Taipei, Taiwan  
27-31 October 2014

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International Recovery Platform  
Asian Disaster Reduction Center

## *Scope of Presentation*

- I. ADRC as pioneer of IRP**
- II. Tools & Guidance**
- III. Lessons / Case Studies**
- IV. Dissemination Experience**



# **INTERNATIONAL RECOVERY PLATFORM**

[www.recoveryplatform.org](http://www.recoveryplatform.org)

[www.adrc.asia](http://www.adrc.asia)

An aerial photograph of a coastal city, likely Kobe, Japan. In the foreground, a body of water (Kobe Bay) is visible with a small boat. A long pier or waterfront promenade runs along the water. Behind the pier, several modern buildings are situated. A large, light-colored building with a curved facade is the central focus, indicated by a large yellow arrow pointing down to it. To its left is a glass-fronted building. In the background, a dense urban area is visible, followed by a range of green mountains under a blue sky with scattered clouds.

## ADRC & IRP offices

- Established in 2005
- Address gap in DRR knowledge and practice
- Recovery as opportunity for resilience

# Objectives

- **Integration** of risk reduction into post disaster recovery and development (“build back better”)
- **Dissemination** of lessons on recovery
- **Advising and supporting** post-disaster recovery planning/framework



# TOOLS & GUIDANCE

[www.recoveryplatform.org](http://www.recoveryplatform.org)



# Guidance Notes on Recovery

**Menu of Options** (along 11 sectors)

**Compilation of Case Studies on Recovery** (global)

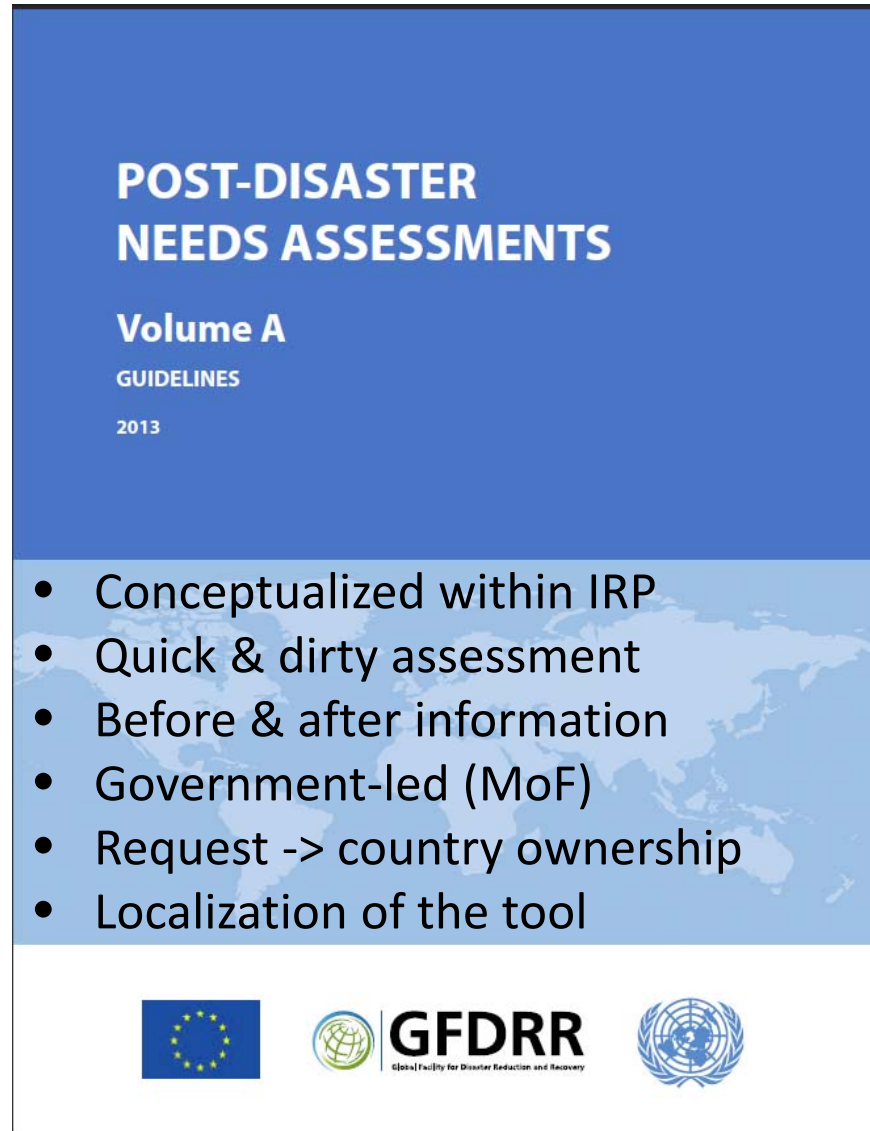
**Disseminated widely** (i.e. government officials & practitioners)

**Pre-disaster recovery planning**

- Shelter
- Infrastructure
- Psychosocial
- Gender
- Environment
- Governance
- Climate Change
- Health
- Livelihoods
- Telling Live Lessons
- Pre-disaster Recovery Planning
- ... private sector, children & youth



# Post Disaster Needs Assessment (PDNA)



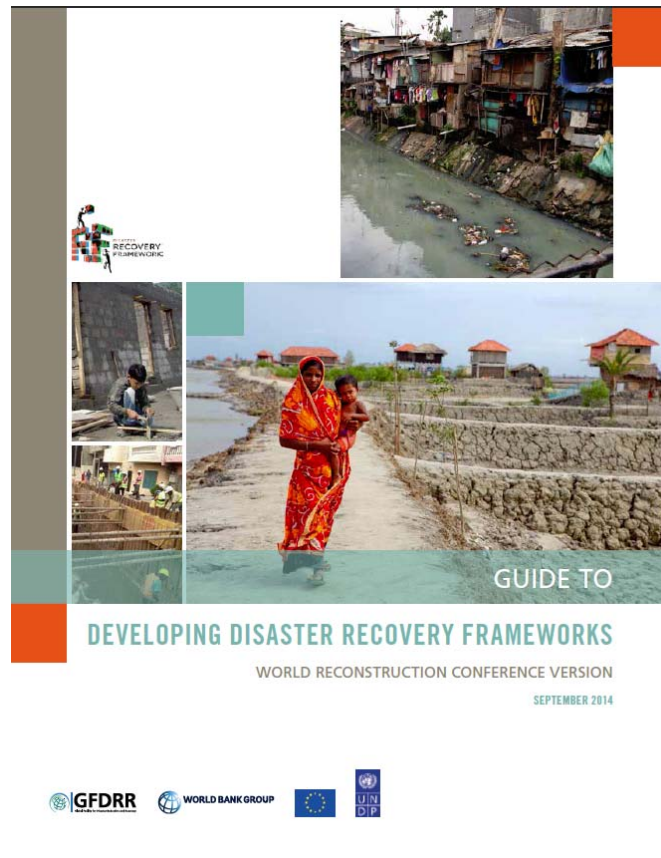
**Volume B** (Sectoral: Productive, Social, Infrastructure, Cross-cutting)

- Community Infrastructure
- Agriculture, Fisheries, Livestock, & Forestry
- Commerce
- Culture
- Disaster Risk Reduction
- Education
- Employment
- Environment
- Gender
- Governance
- Health
- Housing
- Macroeconomic Impacts of Disaster
- Manufacturing
- Telecommunications
- Tourism
- Transport
- Water & Sanitation

**PDNA Workspace**



# Developing Disaster Recovery Frameworks



- Complements PDNA or other such assessments as a tool
- Lay out the **roles, responsibilities**, and **organizing structure** recovery
- Provide an integrated and program-level action plan to facilitate multi-sector recovery planning
- Prioritization, sequencing of activities, and to **guide funding** and portfolio management decisions
- Living baseline document for progress monitoring and impact evaluation purposes

**RF Case Studies:** [Haiti Earthquake](#), [Mozambique Recurrent Floods](#), [Lao PDR](#), [Philippines Typhoon](#), [Senegal Urban Floods](#), [Pakistan Earthquake](#), [Yemen Tropical Storm](#), [Bangladesh Post-Sidr Housing Recovery](#)

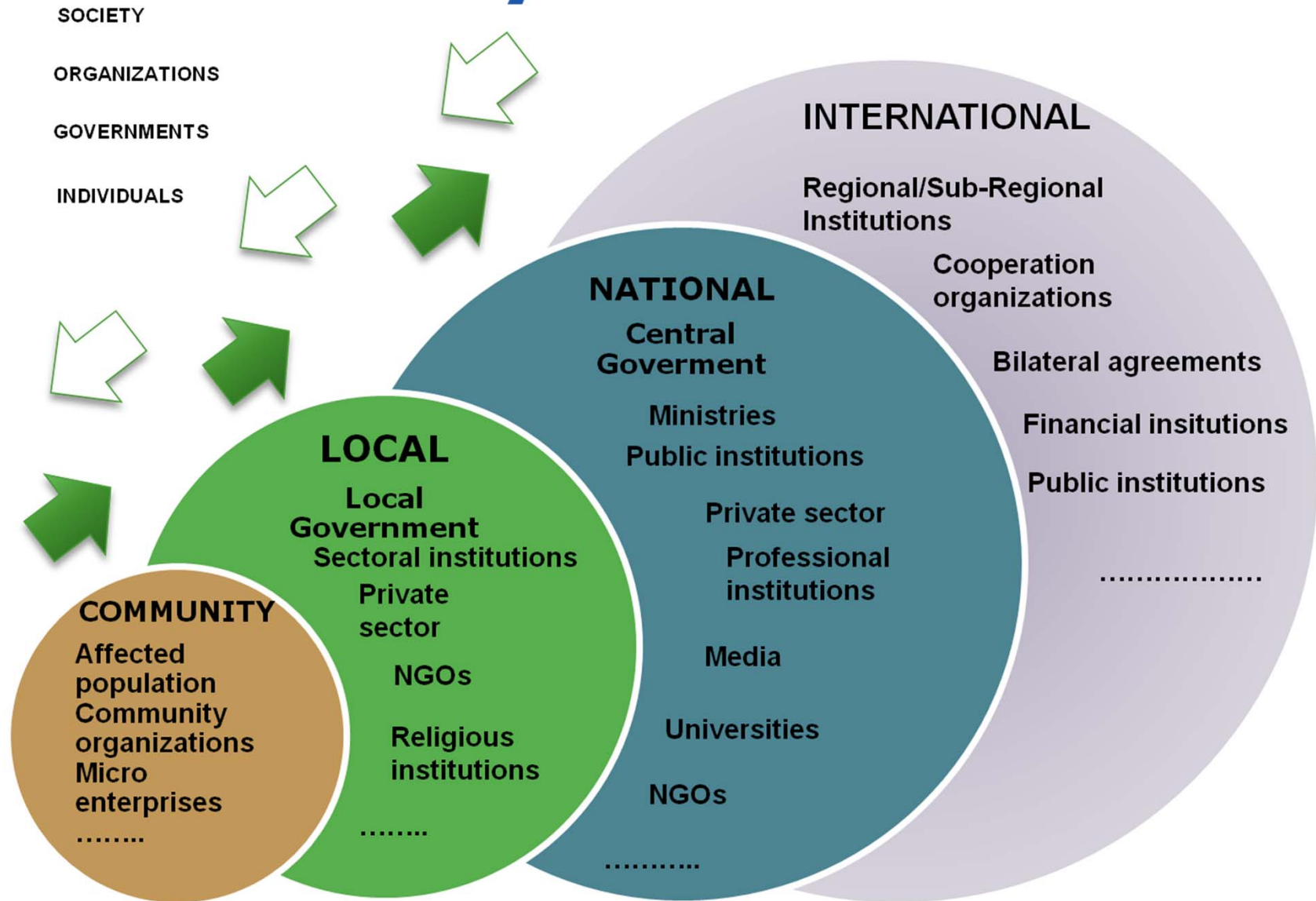


# LESSONS / CASE STUDIES

[www.recoveryplatform.org](http://www.recoveryplatform.org)

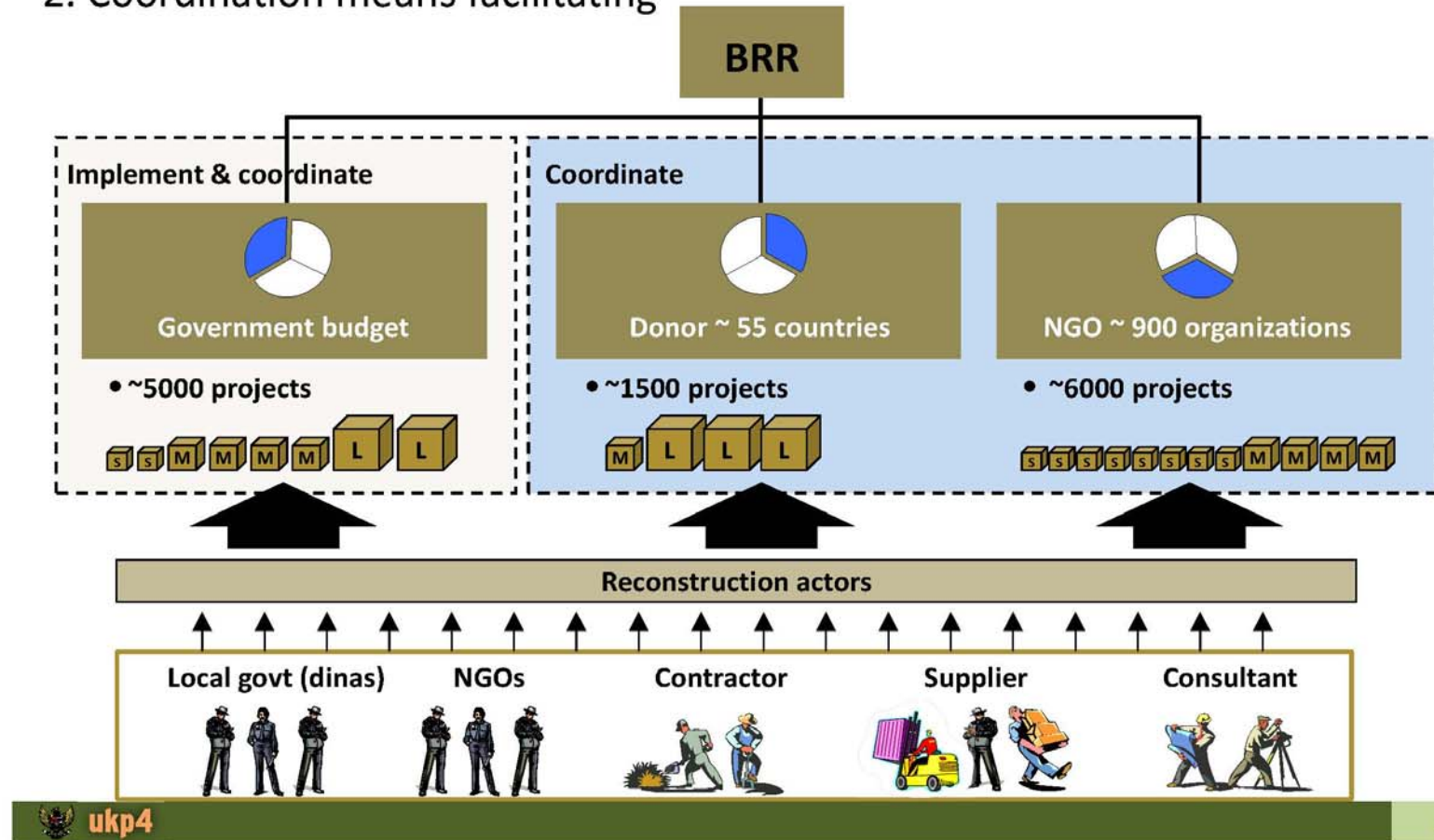
[www.adrc.asia](http://www.adrc.asia)

# Recovery Stakeholders



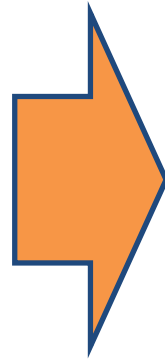
## PRINCIPLES (2/8)

### 2. Coordination means facilitating



## *Reinforcement of Shinkansen (bullet train)*

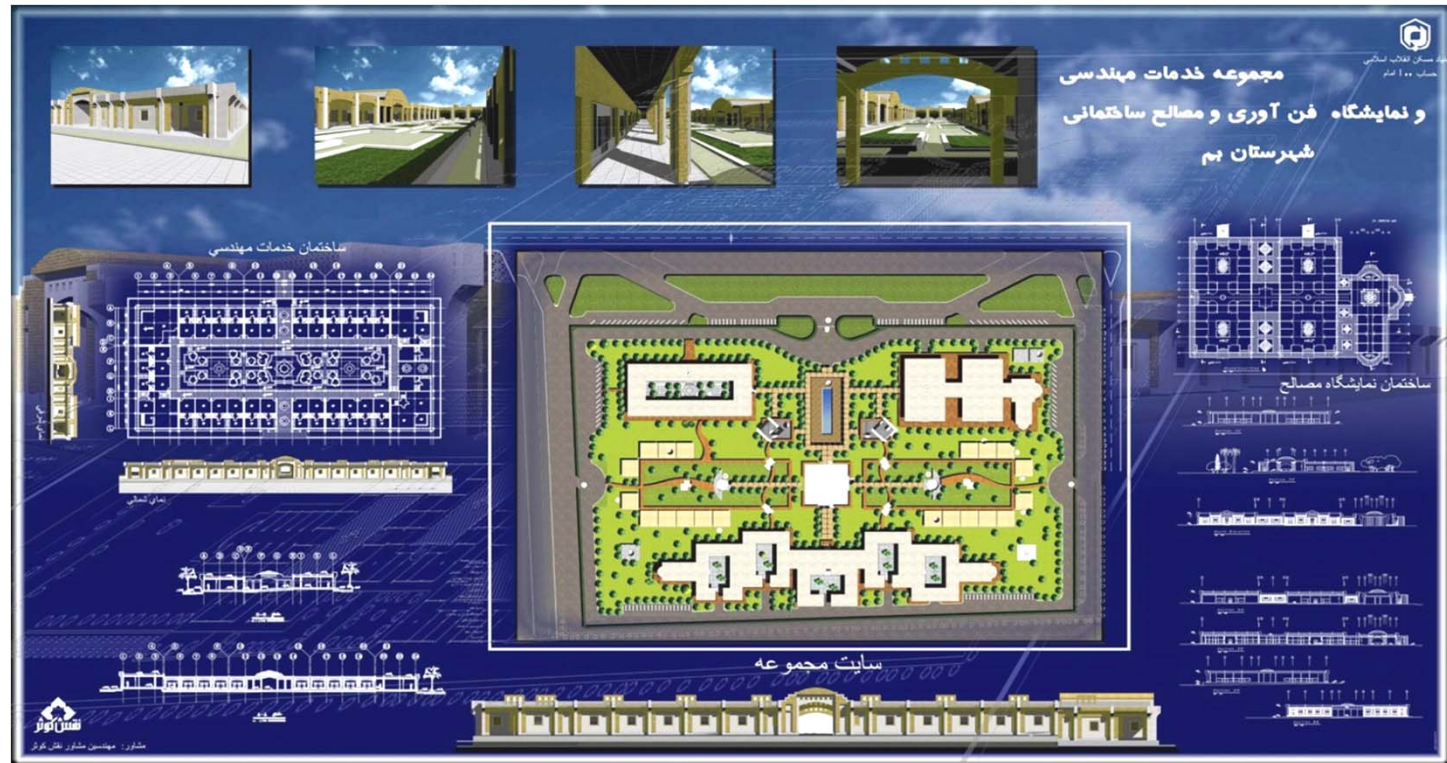
- Elevated tracks and bridges reinforced twice after the Great Hanshin-Awaji Earthquake 1995 and the Sanriku Minami Earthquake 2003



No significant damage to main structures → Early resumption of the train service

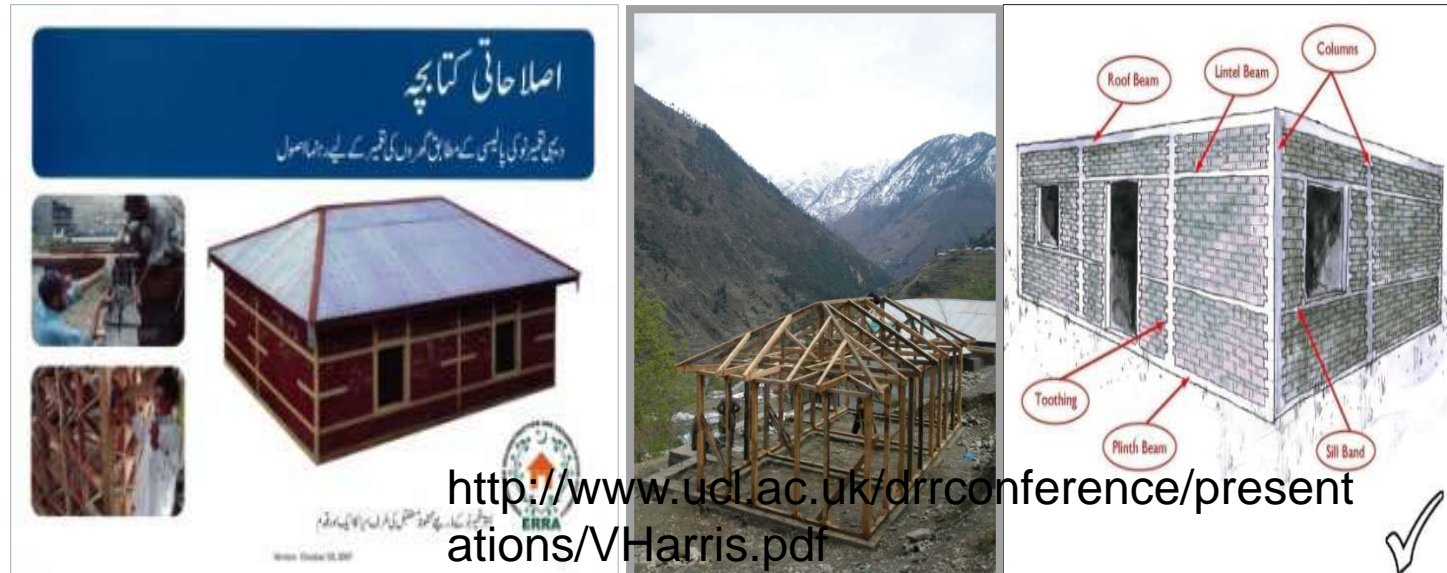


## Iran



## Housing

## Pakistan





## Homeowners sell debris



Source: Golden Associates

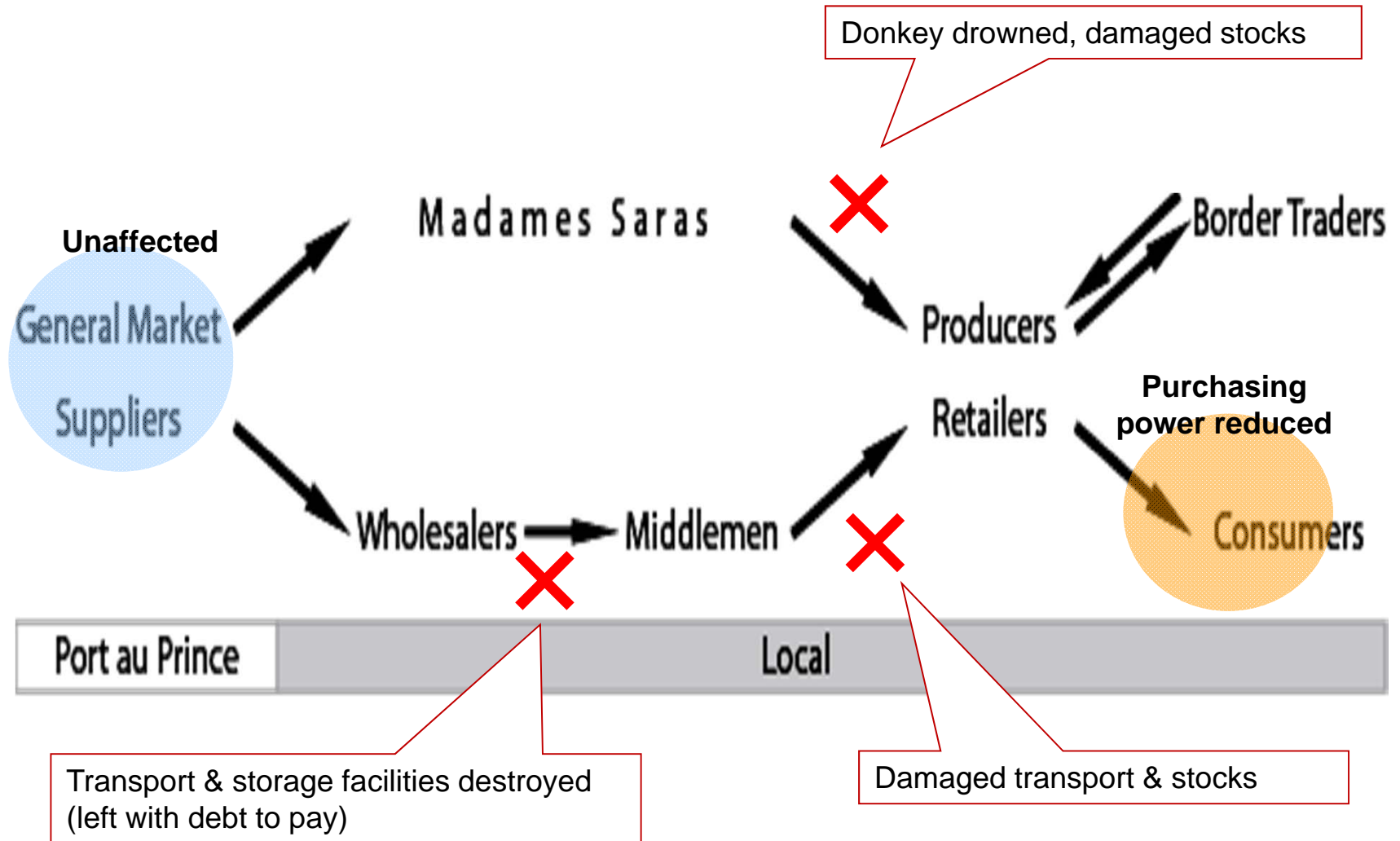
**Action:** Engaging homeowners in identifying, salvaging, and **recycling** materials that they deemed valuable – through middle-men.

- An estimated **20%** of a demolished house was returned to the owner for reuse.
- Homeowners reported that the money from rebar sales was used to start building a new house, pay off debts accumulated during the months since the earthquake, or help with continuing expenses.
- Of the 80% collected, a large part of the **rubble was recycled** and reused for building blocks and other building materials.

## Market Chain Analysis

### Conditions Post Floods and Landslides

## Livelihoods



To ensure the **availability of and dispatch sign-language interpreters**, the **Hyogo Sign-Language Interpretation Center** was established as a means of developing a support system for communication with people who are hearing impaired. It also trains emergency disaster-relief specialist volunteers (sign-language interpreters). **Information Center for the Hearing Impaired** is opened to assume the function of a base for relief activities during disasters.

#### Lessons

- Establish disability support **institutions and capabilities pre-disaster**
- **Interpreters are critical** to recovery for hearing impaired people



## Memorials – mourning the dead (Kobe Luminarie)

# Psychosocial



- **Corpses are often lost** in a disaster before relatives can claim them and bury them as their culture dictates
- **Memorials** pay tribute to those who died in a disaster

## Gender-Analysis

Approach: methodological analysis of work activities of men & women

The banana industry in the Windward Islands. Gender activity analysis shows-

Men = prepare & plant; Women = harvest & market

Hurricane Lenny damaged most of the banana crop

Gender-specific and time-based analysis

Total crop loss meant that entire fields had to be replanted (and harvesting would resume after nine months)

This translated to a **loss of earnings for women workers** for approximately four months (in the case of partially damaged fields) to nine months (in the case of totally destroyed fields)

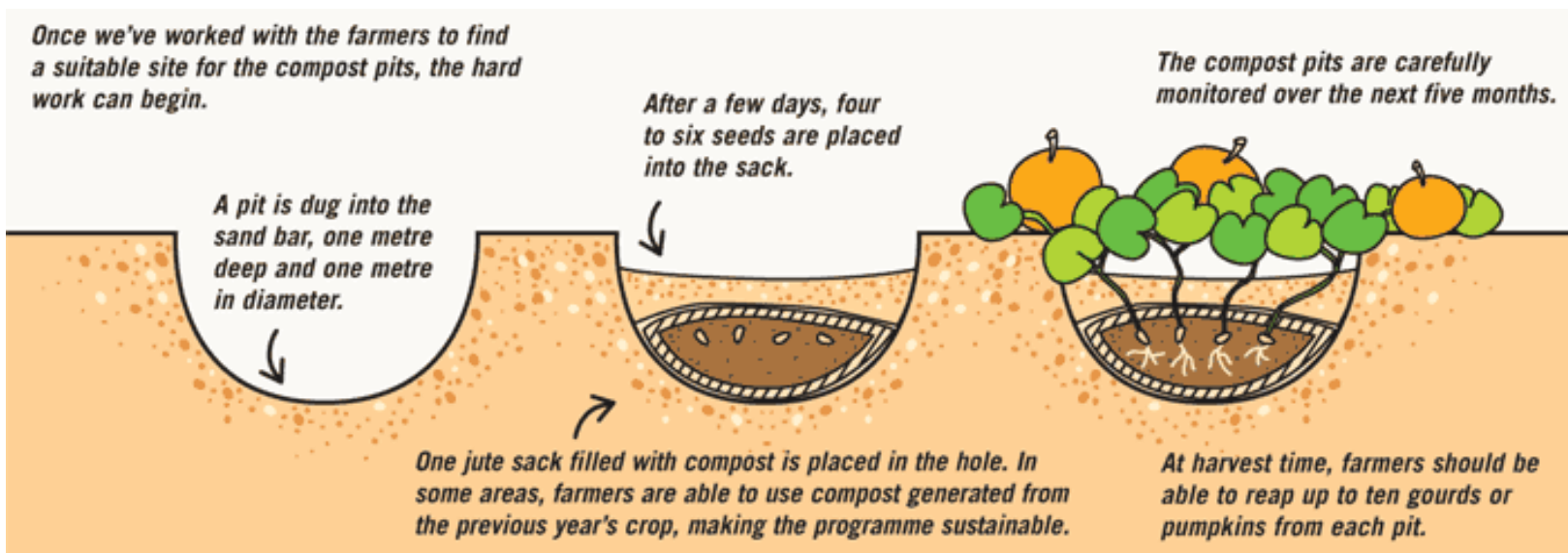
**Men** would be **less adversely affected**, since they are able to earn waged work for field preparation, replanting and early crop care

Gender





## Pit System of Agriculture





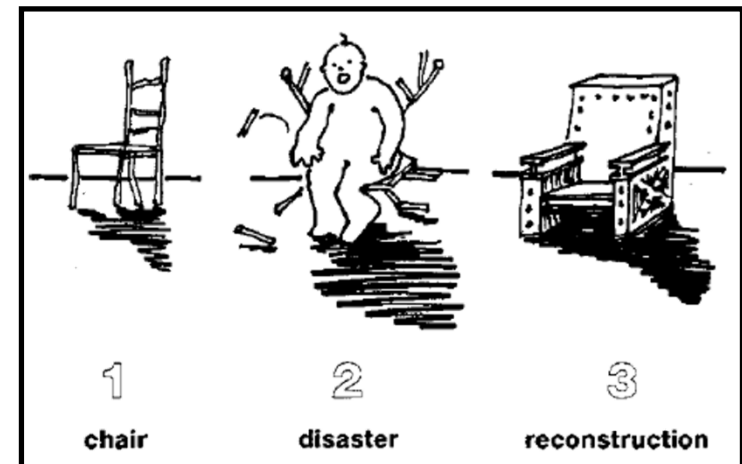
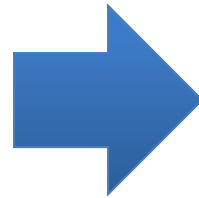
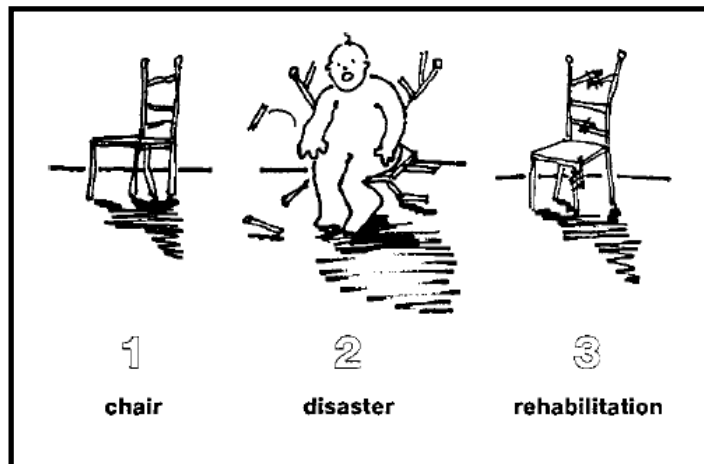


# DISSEMINATION EXPERIENCE

[www.recoveryplatform.org](http://www.recoveryplatform.org)

[www.adrc.asia](http://www.adrc.asia)

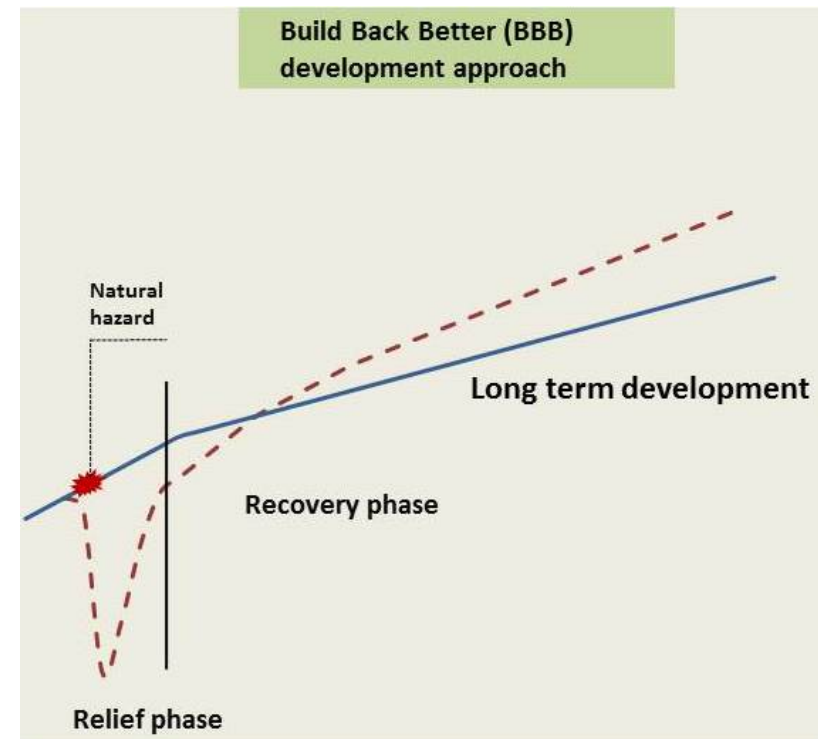
# Workshop on Disaster Recovery Planning



**“Build Back Better”**

# WHY disaster recovery planning?

- Sustainable Development  
*(guiding principles, vision, etc.)*
- Effective organization and management of recovery  
*(including coordination & aid effectiveness)*
- Resilience  
*(performance, delivery of results, etc.)*



# **WHAT** we can contribute?

- Technical Assistance
- Guidance on Policy Development
- Menu of Options
- Practical Cases - from wide array of IRP partners

# WHOM are we dealing with?

- National and Local Governments  
(officials from key ministries/departments, city governments)
- Regional Organizations  
(ASEAN, SAARC, CEPREDENAC, SOPAC, IGAD, GCC, etc.)
- Development Organizations



# HOW we contribute?

- **Workshops** – face to face  
(covered 32 countries in 6 regions, so far)
- **Virtual Means**  
(video conference, workspace, emails, etc.)
- **Side Events / Conferences**
- **Roster of Experts** (Over 1,000 Experts)





# Generic Outline of Disaster Recovery Plan

## I. BACKGROUND

## II. PURPOSE

## III. CORE PRINCIPLES

## IV. STRATEGIES

- A. Governance
- B. Infrastructure
- C. Housing
- D. Health
- E. Psychosocial
- F. Environment
- G. Livelihoods
- H. Financing
- I. ...

## V. ACTIONS (Pre-Event & Post-Event)

## VI. DISASTER RECOVERY OPERATIONS

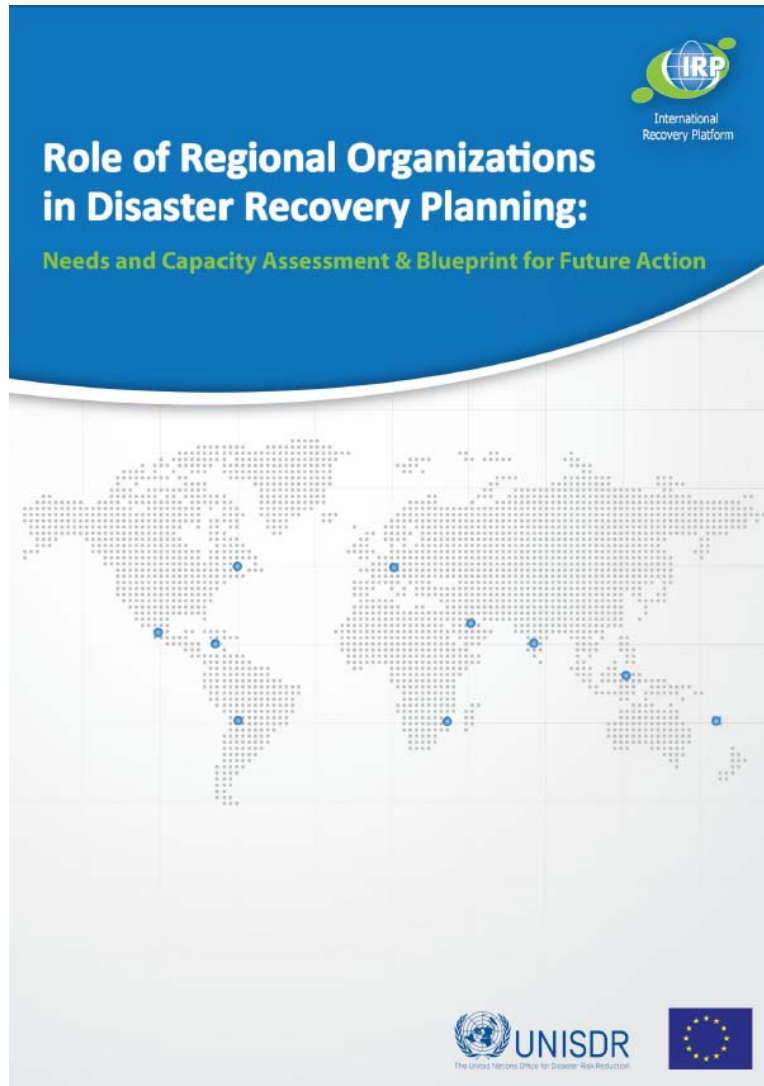
- Action Programs of Lead Departments/Ministries
- Recovery Support Functions

# Template

e.g. Housing

Strategy 1. Temporary housing will be arranged for displaced residents		
A C T I O N S	<u>Pre-event</u>	<ul style="list-style-type: none"> <li>Maintain a list, based on predicted number of families, of three alternate sites in various sections of the City and prepare a “tent city” plan for each site. <i>(*What departments will be involved?)</i></li> <li>Complete a computerized inventory of possible shelter sites including open spaces, schools, etc., and the capabilities and features of each possible shelter site and update regularly. <i>(*What departments will be involved?)</i></li> </ul>
	<u>Post-event</u> (short & long term)	<ul style="list-style-type: none"> <li>Implement the process and procedures of developing a “tent city” after an event. <i>(*What departments will be involved?)</i></li> <li>Establish efficient and effective distribution system for food and other necessary supplies. <i>(*What departments will be involved?)</i></li> <li>Inspect and evaluate shelters before occupation, based on a prioritized schedule. <i>(*What departments will be involved?)</i></li> </ul>
Strategy 2. Encourage immediate repair for interim occupancy of damaged properties		
A C T I O N S	<u>Pre-event</u>	
	<u>Post-event</u> (short & long term)	

# Regional Dialogue on Recovery Processes



**Sharing of Regional Initiatives on  
Recovery in El Salvador, 11-12  
November 2014**

**ASEAN** – Recovery Toolbox  
**SAARC** – Regional Recovery Framework  
**CEPREDENAC** – Recovery Frameworks  
**CDEMA** – Comprehensive DRR Plan  
**Others** (African Sub-regions)

# Thank You!

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