Integrating Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) in Development Planning

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ICLEI is the **leading global network of 1,500+ cities, towns and regions** committed to building a sustainable future. Through our collective efforts, we impact **more than 25 percent of the global urban population**.
Failed Disaster Prevention and Mitigation vs. Disasters Averted

2015
- Lando Debris Flows
  - 0 Dead
  - Gabaldon (pop. 32,246)
- Lando Floods
  - Pampanga
  - Bulacan

2015
- Nona Debris Flows
  - 0 Dead
  - Gabaldon (pop. 32,246)
- Nona Storm Surge
  - [3 m height]
  - Source: Cedric Daep Legaspi
  - 0 Dead

2016
- Ferdie Supertyphoon
  - Cat 5
  - Batanes
  - 0 Dead

2016
- Karen Typhoon
  - Cat 4
  - Bato, Catanduanes
  - 2 Dead
  - From Heart Attack and Epilepsy

2016
- Lavin Super Typhoon
  - Cat 5
  - Lubuagan, Kalinga
  - 5 Dead
  - Rest of Luzon
  - 14 Dead total in different areas

2016
- Nina Typhoon
  - Cat 5
  - Polanguin, Albay
  - Flood
  - 2 Dead
  - 13 Dead total in different areas

2017
- Vinta Flood
  - (9.83 m rise in W.I.)
  - CDO
  - 0 Dead

2017
- Urduja Landslide
  - Naval, Biliran
  - 42 Dead
  - Biliran
  - 14 missing

2017
- Vinta Debris Flows
  - Tubod, Lanao Norte
  - Flood
  - Zamboanga del Sur
  - 240 and scores missing

2018
- Ompoong Landslide
  - Ucab, Rogon
  - 78 and counting
  - Ongoing Search and Retrieval

2018
- Post-Ompoong Landslide
  - Naga City, Cebu
  - 72 and counting
  - Ongoing Search and Retrieval

Source: Mahar Lagmay, 2018
ICLEI (Asian Cities Climate Change Resilience Network) ACCCRN Process

1. Engagement
   - Commitment
   - Institutional setup
   - Situation analysis
   - Communication

2. Climate Research & Impact Assessment
   - Climate analysis
   - Urban analysis
   - Climate risk assessment
   - Risk prioritization

3. Vulnerabilities Assessment
   - Vulnerable areas
   - Vulnerable social groups
   - Adaptive capacities analysis: actors & urban systems

4. Resilience Strategy
   - Resilience interventions
   - Feasibility analysis
   - Integration
   - City Resilience Strategy

5. Implementation
   - Identifying funding options
   - Feasibility and project planning
   - Governance & monitoring framework
   - Project implementation

6. Monitoring and Review
   - Establishment of performance indicators and reporting system
   - Monitoring and reporting
   - Initiation of review phase

Resilience Building
ACCCRN
• Emphasizes stakeholder engagement in every phase
• Has a method for analyzing data gaps
• Identifies and prioritizes possible adaptation interventions

CDRA
• Collect and analyze climate and hazard information
• Focus on the impacts of climate change to a system
• Measures of likelihood and severity of a hazard’s impact
• Subjective adaptive capacity scoring matrices
• Integrates outputs into local plans

• Has a method for identifying exposure and sensitivity of a system
• Identifies an impact’s implications on land use and possible policy options
• Emphasizes stakeholder engagement in every phase
• Has a method for analyzing data gaps
• Identifies and prioritizes possible adaptation interventions
Development partners are “force multipliers” of climate change adaptation and disaster risk reduction and management initiatives.
Thank you for listening! 😊

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