



Participatory Comprehensive Land Use Plan Formulation after 2013, Typhoon Yolanda

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Hitoshi ARA

Deputy Director General/ Group Leader
Urban and Regional Development Group
Infrastructure and Peacebuilding Department
Japan International Cooperation Agency

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Contents of the Presentation

1. Hazard Map

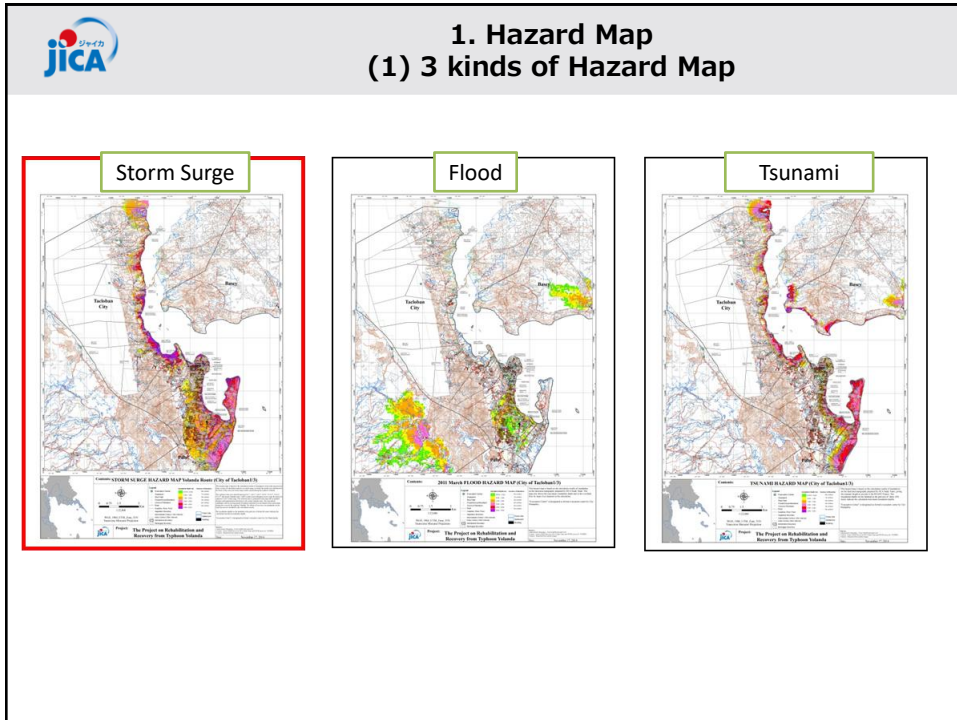
- (1) 3 kinds of Hazard Map
- (2) How to Formulate
- (3) How to Utilize
- (4) Workshop

2. Land Use Plan

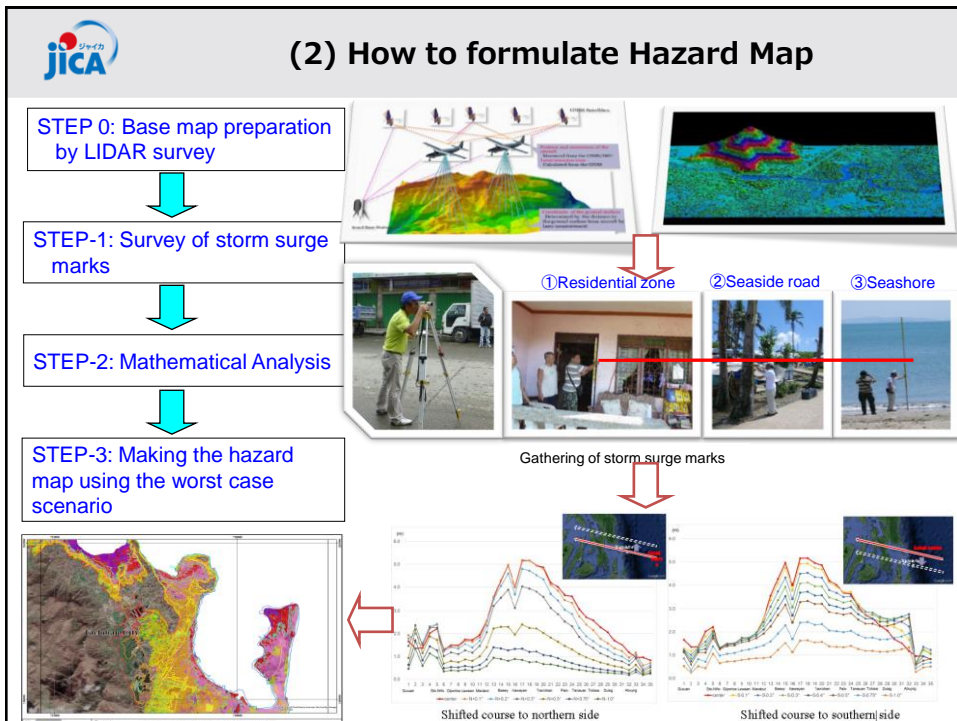
- (1) Approach and Planning Process
- (2) Land Use Plan and Hazard Map
- (3) Workshop and Consultation

3. Output of Utilization of Hazard Map and Formulation of Land Use Plan

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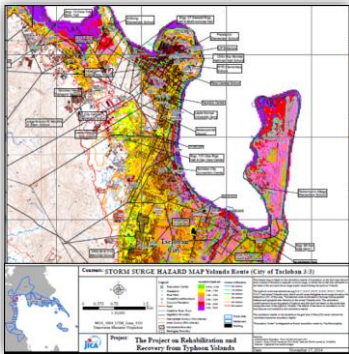
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(3) How to utilize Hazard Map Structural Measures and Non Structural Measures



- To understand Hazard in your city
- To reduce Hazard Risks

Structural
Measure

Non Structural
Measure

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(4) Workshops for Disaster Risk Reduction 1

JICA Work shop in 5LGUs

- ❑ We have held **two workshops** in **July** and **Sept 2014** with the members of **5 LGUs**.
- ❑ We have had **a numbers of discussions** not only during the workshops but also occasions of meetings.
- ❑ During the workshops, participants discussed **economic recovery and raising living standard** as well as **learnt way of utilizing hazard maps**.



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jica (4) Workshops for Disaster Risk Reduction 2


- Transferring urban function should be considered.
- Strengthen network between bypass road and downtown area
- Review of access route from bypass road to airport is important
- Capacity of evacuation centers should be considered.
- Evacuation route should be reviewed.
- Conversion to non-residential area should be considered.
- Development of miniature hill should be considered instead of Tsunami tower.

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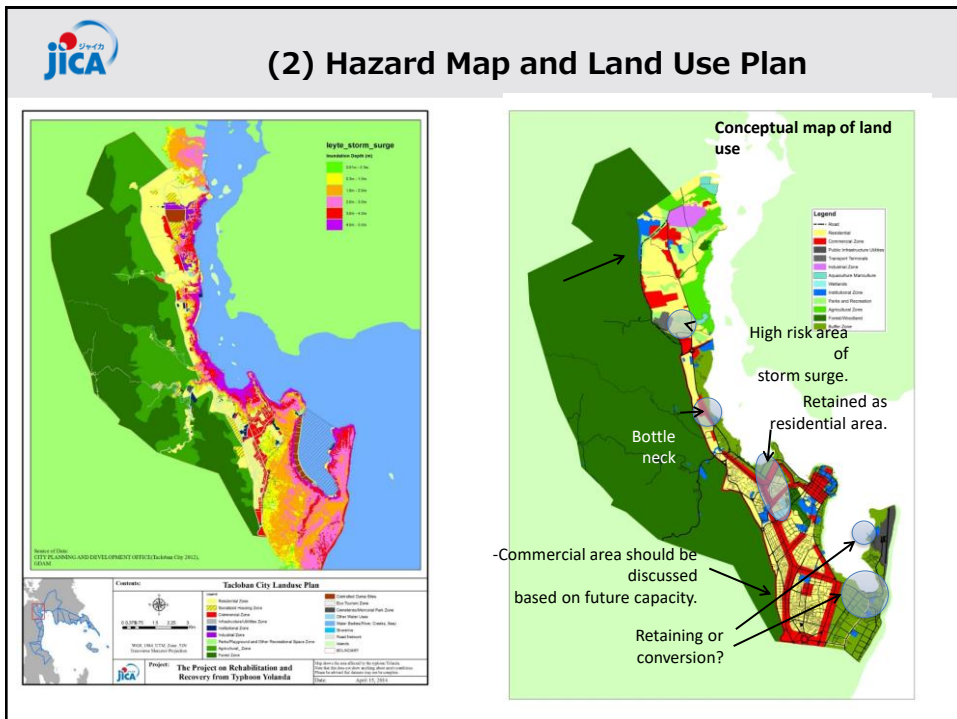
jica (4) Workshops for Disaster Risk Reduction 3

- Land use change to aquaculture/ fishery zone
- Relocation of residence
- Development of evacuation towers/ evacuation routes
- Development of core facilities as evacuation centers with back-up function of government
- Building improvement
- Protection of government complex
- Building improvement
- Development of evacuation centers/ evacuation routes
- Development of municipal hall & core facilities as evacuation centers
- Building improvement
- Development of evacuation centers/ evacuation routes
- Downtown Area
- Development of evacuation centers/ evacuation routes
- Building improvement
- Land use change to airport zone
- Relocation of residence
- Improvement of airport terminal as evacuation center
- Development of evacuation towers/ evacuation routes
- Land use change to park and coastal forest
- Relocation of residence
- Development of evacuation towers/ evacuation routes
- Embankment & Elevated Roads
- Ring Dike-“Pearl Island”
- Relocation of residence
- Building improvement
- Development of evacuation centers/ towers/ evacuation routes

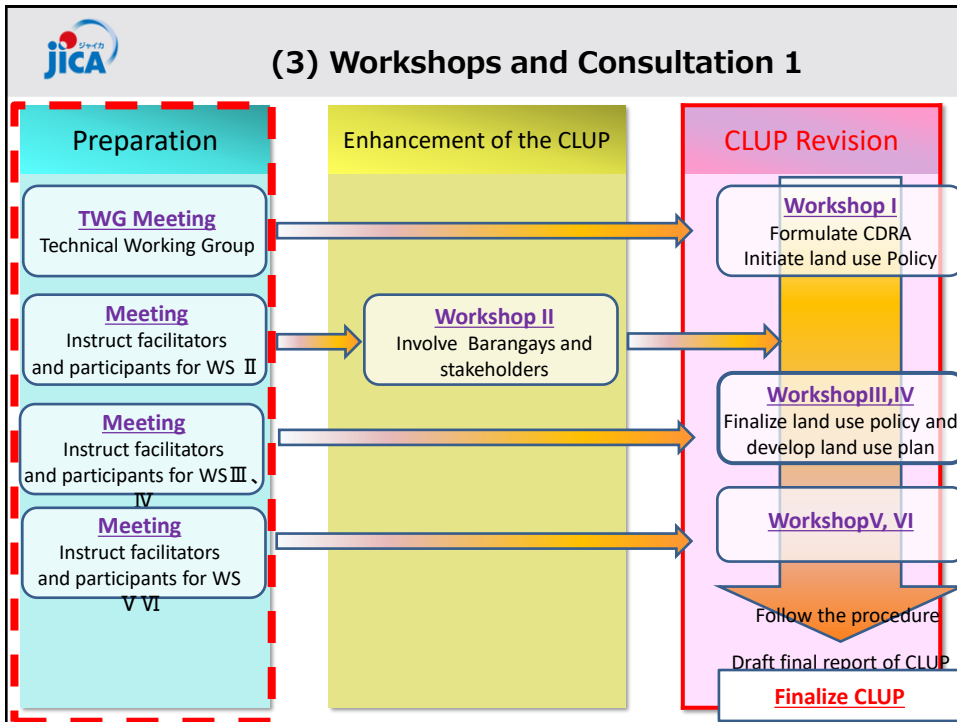
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 2. Formulation of Land Use Plan (1) Approach and Planning Process		
	APPROACH	PLANNING PROCESS
Tacloban	Using Hazard Map HLURB guidelines Workshop Management	<ul style="list-style-type: none"> • Hazard Analysis • Sectoral Analysis (inter and cross sector) barangay consultation
Palo	Using Hazard Map Area Management	<ul style="list-style-type: none"> • Establishment of Area Management Committee
Tanauan	Using Hazard Map Area Management	<ul style="list-style-type: none"> • Establishment of Area Management Committee

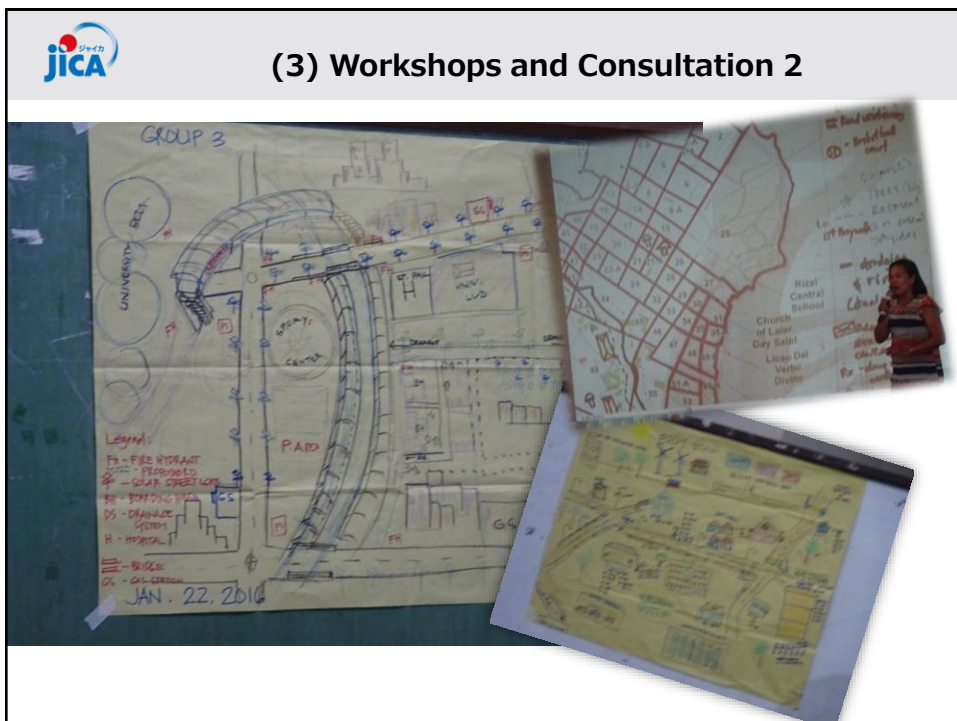
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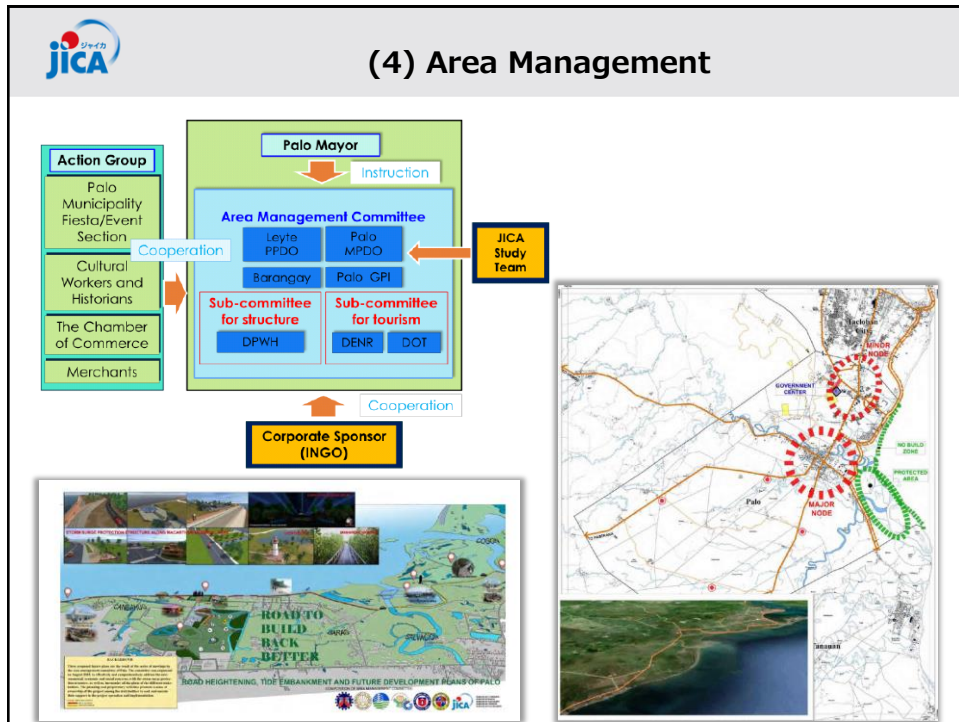
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	3. Output of Utilization of Hazard Map and Formulation of Land Use Plan	
	INPUT	OUTPUT
Tacloban	<ul style="list-style-type: none"> Identifying the hazard risks by utilizing hazard map How to effectively proceed with workshops based on the HLURB guideline and available resources Ingenuity to proceed workshop 	<ul style="list-style-type: none"> Fine Tuned CLUP in building safer city Land use considering non structure measures Developed ownership to CLUP Effective way to use HLURB guidebook Improved skills of coordination within city department Understanding the importance of Comprehensive Plan Understanding the necessity of area management through barangay consultations Necessity of continuous improvement of land use
Palo	<ul style="list-style-type: none"> Identifying the hazard risks by utilizing hazard map How to apply area management in the planning 	<ul style="list-style-type: none"> Fine Tuned CLUP in building safer city Developed ownership to CLUP Visualizing the dream plan Effectiveness of Area management as a tool in planning Necessity of continuous improvement of land use
Tanauan	<ul style="list-style-type: none"> Identifying the hazard risks by utilizing hazard map How to apply area management in the planning 	<ul style="list-style-type: none"> Fine Tuned CLUP in building safer city Developed ownership to CLUP Enhancing the dream plan Effectiveness of Area management as a tool in planning Necessity of continuous improvement of land use

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Thank You !