



# Bone Bolango, Indonesia

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## Local progress report on the implementation of the 10 Essentials for Making Cities Resilient (2013-2014)

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# Essential 1

*Put in place organization and coordination to understand and reduce disaster risk, based on participation of citizen groups and civil society. Build local alliances. Ensure that all departments understand their role to disaster risk reduction and preparedness.*

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## **How well are local organizations (including local government) equipped with capacities (knowledge, experience, official mandate) for disaster risk reduction and climate change adaptation?**

Level of Progress achieved: 4

### **Description of Progress & Achievements:**

Officials has function link to disaster risk reduction (DRR) and climate change adaptation (CCA) such as Local DM Office, Social Office, Health Office, Environment Body, Local Development Planning Body etc. There are some non government stakeholders also involving on DRR-CCA activities. The local regulations issued to support the performance of those official. Education and training program include to local government activities to increase human resources capacity. At the moment among the Officials itself lack of program to create more number and capacity of human resources on DRR-CCA.

## **To what extent do partnerships exist between communities, private sector and local authorities to reduce risk?**

Level of Progress achieved: 3

### **Description of Progress & Achievements:**

local government, private sector and community started their partnership on disaster risk reduction program. Those collaboration carry out as training, socialization, drills and other forms of activities on disaster risk. The private sector with its financial sources need to increase the participation for disaster risk and herewith local

government need to provide effective network.

**How much does the local government support vulnerable local communities (particularly women, elderly, infirmed, children) to actively participate in risk reduction decision-making, policy making, planning and implementation processes?**

Level of Progress achieved: 1

Description of Progress & Achievements:

At local level involvement of vulnerable group is very limited on disaster risk planning. A small of women group actively participate on village development planning process. Lack of Officials and community comprehension on DRR impact on rare participation of community on development process. Officials conduct socialization on DRR for community to encourage their participation.

**To what extent does the local government participate in the national DRR planning?**

Level of Progress achieved: 3

Description of Progress & Achievements:

The local supported by province and national on establishment of Local DM Office, creation of contingency plan, document for strategic plan on disaster management. The local participation on national DRR plan is need to be encouraged.

## Essential 2

*Assign a budget for disaster risk reduction and provide incentives for homeowners, low-income families, communities, businesses and public sector to invest in reducing the risks they face.*

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### **How far does the local government have access to adequate financial resources to carry out risk reduction activities?**

Level of Progress achieved: 2

#### **Description of Progress & Achievements:**

Officials allocated some budget for disaster risk reduction based on their function. The environment body included the environment preservation as their program. The Public Work Office conduct the watershed management and Local DM Office spread out the DRR information to community. Lack of budget and human resources capacity constrained the DRR program to be included into local government activities in maximum.

### **To what degree does the local government allocate sufficient financial resources to carry out DRR activities, including effective disaster response and recovery?**

Level of Progress achieved: 2

#### **Description of Progress & Achievements:**

Some infrastructures constructed on disaster mitigation program among others river normalization, flood wall at river area, waste management area and dam construction. Officials need to pay attention on budget allocation for non structural risk disaster mitigation such as training and education for Officials, non government stakeholders and community. Emergency response and recovery budget allocation still limited.

**What is the scope of financial services (e.g. saving and credit schemes, macro and micro-insurance) available to vulnerable and marginalised households for pre- disaster times?**

Level of Progress achieved: 2

**Description of Progress & Achievements:**

The financial services for vulnerable group nowadays implementing by sector such as housing support and small credit for business. A need for database of vulnerable group to be set up to ensure the financial service for the group is targeted. Intense participation from private sector is welcome to support the financial resources for vulnerable group.

**To what extent are micro finance, cash aid, soft loans, lone guarantees etc available to affected households after disasters to restart livelihoods?**

Level of Progress achieved: 2

**Description of Progress & Achievements:**

There are some banks provide loan for community to restart their livelihood post disaster. Those funds frequently not accessible by community cause by complicated requirement and high interest. Local government need to collaborate with private sector to provide financial services for survivor to restart livelihood activities and conduct intense socialization of those service information to community.

**How well established are economic incentives for investing in disaster risk reduction for households and businesses (e.g. reduced insurance premiums for households, tax holidays for businesses)?**

Level of Progress achieved: 1

#### Description of Progress & Achievements:

Conventional bank financial service is not accessible by households and small enterprises. Local government needs to facilitate the availability of financial services for these activities and develop existing financial service applicable at community level.

### **To what extent do local business associations, such as chambers of commerce and similar, support efforts of small enterprises for business continuity during and after disasters?**

Level of Progress achieved: 1

#### Description of Progress & Achievements:

The businesses association at the region not involve yet to support local business activities. Local culture sometime constrained the investment process at the area and local government to establish a regulation and facilitates also infrastructure to attract investment at the area.

## Essential 3

*Maintain up-to-date data on hazards and vulnerabilities, prepare risk assessments and use these as the basis for urban development plans and decisions. Ensure that this information and the plans for your city's resilience are readily available to the public and fully discussed with them.*

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**To what degree does the local government conducted thorough disaster risk assessments for key vulnerable development sectors in your local authority?**

Level of Progress achieved: 2

Description of Progress & Achievements:

Local Regulations on Land Use and Building Codes as well as Risk Map is available which need intense socialization to stakeholders for assure local development process based to those regulations. The risk assessment of key development at vulnerable area not apply yet.

**To what extent are these risk assessments regularly updated, e.g. annually or on a bi-annual basis?**

Level of Progress achieved: 3

Description of Progress & Achievements:

The risk map is available as well as local government commitment on DRR. Existing risk assessment not regularly update and lack of data available for risk update. The monitoring of risk assessment result adopted into various local development not in routine. Lack of data, budget allocation and human resources capacity constrained regular update of risk assessment.

**How regularly does the local government communicate to the community, information on local hazard trends and risk reduction measures (e.g. using a Risk Communications Plan) including early warnings of likely hazard impact?**

Level of Progress achieved: 2

Description of Progress & Achievements:

The information and communication on early warning is deliver through local officials although some of information did not reach till community level. At the community level there is an urge needs for evacuation route identification and installation. Community preparedness activities is important as a forum on risk information spread out. The facilities for risk communication need to establish at community level. Additional budget allocation is require to familiarize local community to preparedness activities.

**How well are local government risk assessments linked to, and supportive of, risk assessments from neighbouring local authorities and state or provincial government risk management plans?**

Level of Progress achieved: 1

Description of Progress & Achievements:

The Local Long Term Development available as the guideline of local government to cooperate on joint risk assessment with neighbouring area. Province and national need to provide a mechanism of this kind of cooperation for region.

**How well are disaster risk assessments incorporated into all relevant local development planning on a consistent basis?**

Level of Progress achieved: 1



## Description of Progress & Achievements:

The integration of risk assessment into various local development activities not monitoring yet. Local government need to establish a team to evaluate the risk assessment impact to local development. There is a need on socialization of risk assessment document to government and non government parties at region.

## Essential 4

*Invest in and maintain critical infrastructure that reduces risk, such as flood drainage, adjusted where needed to cope with climate change.*

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**How far do land use policies and planning regulations for housing and development infrastructure take current and projected disaster risk (including climate related risks) into account?**

Level of Progress achieved: 2

Housing	Yes
Communication	Yes
Transportation	Yes
Energy	Yes

Description of Progress & Achievements:

Local Regulations are available to support the land use application and safe development as the realization of disaster risk. Those regulation are Land Use, Building Codes and Mining Activities. The violation of land use is found out at the area such as illegal mining exploitation, construction without permit and many houses located at river bank.

**How adequately are critical public facilities and infrastructure located in high risk areas assessed for all hazard risks and safety?**

Level of Progress achieved: 2

Description of Progress & Achievements:

Some public facilities and infrastructures located at safe area and no risk assessment conduct to assure the safety of these facilities from disaster. Officials to allocate budget and deploy capable human resource for public facilities and vital infrastructure risk assessment.

**How adequate are the measures that are being undertaken to protect critical public facilities and infrastructure from damage during disasters?**

Level of Progress achieved: 2

**Description of Progress & Achievements:**

Some regular maintenance is conducting by Officials but it is not enough to measure the safety of public facilities and vital infrastructure from disaster damages. Small amount of budget allocation and lack of understanding of safety for these facilities, make and intensive maintenance not prioritize.

## Essential 5

*Assess the safety of all schools and health facilities and upgrade these as necessary.*

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**To what extent have local schools, hospitals and health facilities received special attention for "all hazard" risk assessments in your local authority?**

Level of Progress achieved: 1

Schools	No
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Hospitals/ health facilities                      No

Description of Progress & Achievements:

No multi-risk assessment conduct by Officials. Small budget allocation and lack of understanding on the importance of risk assessment for school and hospital and health facilities hinder the program implementation. A collaboration among link Officials is define the success of program.

**How safe are all main schools, hospitals and health facilities from disasters so that they have the ability to remain operational during emergencies?**

Level of Progress achieved: 1

Schools	No
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Hospitals/ health facilities                      No

Description of Progress & Achievements:

No assessment and data available on ability of school, hospital and health facilities to operate during emergency situation.

**To what degree do local government or other levels of government have special programs in place to regularly assess schools, hospitals and health facilities for maintenance, compliance with building codes, general safety, weather-related risks etc.?**

Level of Progress achieved: 1

Schools	No
Hospitals/ health facilities	No

Description of Progress & Achievements:

No routine activities available to assess school, hospital and health facilities safety by local government.

**How far are regular disaster preparedness drills undertaken in schools, hospitals and health facilities?**

Level of Progress achieved: 2

Schools	Yes
Hospitals/ health facilities	No

Description of Progress & Achievements:

Some of senior high schools conduct training drills but irregular. Lack of budget and human resources capacity, weak coordination among stakeholders hamper the program implementation.



## Essential 6

*Apply and enforce realistic, risk compliant building regulations and land use planning principles. Identify safe land for low-income citizens and develop upgrading of informal settlements, wherever feasible.*

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### **How well are risk-sensitive land use regulations and building codes, health and safety codes enforced across all development zones and building types?**

Level of Progress achieved: 2

#### **Description of Progress & Achievements:**

generally the public facilities and infrastructure developed based on land use and building codes regulation and many construction activities by communities not fulfilled the requirement. Intensive supervision and strong laws enforcement also socialization of regulations expected to be as solution of the problems.

### **How strong are existing regulations (e.g. land use plans, building codes etc) to support disaster risk reduction in your local authority?**

Level of Progress achieved: 2

#### **Description of Progress & Achievements:**

Not entire local development activities coverage under supervision by Officials. There are many development activities misappropriated to land use and building code regulations. Additional budget allocation for supervision and laws enforcement is important to assure those regulation effectively impact to disaster risk.

## Essential 7

*Ensure education programmes & training on disaster risk reduction are in place in schools and communities.*

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**How regularly does the local government conduct awareness-building or education programs on DRR and disaster preparedness for local communities?**

Level of Progress achieved: 2

Programs include cultural diversity issues	Yes
Programs are sensitive to gender perspectives	Yes

**Description of Progress & Achievements:**

Some disaster risk activities conduct at local level by government but with limited coverage area. Health Office implementing the Preparedness Village; DRR aspect apply into after school activities. The education awareness and disaster preparedness for community in regular is hinder by lack of coordination among stakeholders, limited comprehension from Officials on the program as well lack of budget allocation.

**To what extent does the local government provide training in risk reduction for local officials and community leaders?**

Level of Progress achieved: 2

**Description of Progress & Achievements:**

The community leaders from 8 villages participate on risk disaster preparedness, meanwhile the involvement of official on DRR through various activities but no



specific training activities available for them. Regular training activities to be implementing for official and community leader to assure the DRR information flow till village level.

**To what degree do local schools and colleges include courses, education or training in disaster risk reduction (including climate related risks) as part of the education curriculum?**

Level of Progress achieved: 1

**Description of Progress & Achievements:**

Some private schools initiated the DDR training and after school activities enrich with DRR aspect. Local regulation endorse the adoption of local wisdom into school curriculum. Local government need to endorse mainstreaming of DRR into school/university/course subject.

**How aware are citizens of evacuation plans or drills for evacuations when necessary?**

Level of Progress achieved: 2

**Description of Progress & Achievements:**

Evacuation location and evacuation map is insufficient and the evacuation signs is not install yet. Evacuation plan is lack to be socialized to community and program on training drills need to consider as the regular program from Officials and other related stakeholders.

## Essential 8

*Protect ecosystems and natural buffers to mitigate floods, storm surges and other hazards to which your city may be vulnerable. Adapt to climate change by building on good risk reduction practices.*

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### **How well integrated are local government DRR policies, strategies and implementation plans with existing environmental development and natural resource management plans?**

Level of Progress achieved: 2

#### **Description of Progress & Achievements:**

The disaster risk aspect is applied to management plan of Bone Bolango Watershed as well as on environment and natural resources management. Lack of information distribution limited the consideration of disaster risk into on going local development. Local government also needs to commit strict supervision on environment management and support with good human resources capacity.

### **To what degree does the local government support the restoration, protection and sustainable management of ecosystems services?**

Level of Progress achieved: 3

Forests	Yes
Coastal zones	Yes
Wetlands	No
Water resources	Yes
River basins	Yes

**Description of Progress & Achievements:**

Besides availability of local regulations to support the sustainable environment management, there are some link activities carry out: river embankment, river normalization, irrigation channel repairment and watershed management stated on Land Use Regulation. Community awareness on ecosystem service program is limited and some of over exploitation of environment commit by community in regard to livelihood activities.

**How much do civil society organizations and citizens participate in the restoration, protection and sustainable management of ecosystems services?**

Level of Progress achieved: 3

**Description of Progress & Achievements:**

Local community established some organization on environment protection such as: Marine Resources Conservation Group; Waste Management Group and some Waste Bank developed at some villages. The local government need to create a local regulation on roles and function of non government organization in ecosystem services and natural resources management as well as benefit to these organization.

**How much does the private sector participate in the implementation of environmental and ecosystems management plans in your local authority?**

Level of Progress achieved: 1

**Description of Progress & Achievements:**

Limited participation from private sector on environment and ecosystem management at the area. Government need to identify existing private sector at the area and set up a strategic plan on involvement of private sector on local development activities.

## Essential 9

*Install early warning systems and emergency management capacities in your city and hold regular public preparedness drills.*

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**To what degree do local institutions have access to financial reserves to support effective disaster response and early recovery?**

Level of Progress achieved: 2

Description of Progress & Achievements:

Officials located a small amount of budget for disaster response and there is an on-call budget available at the region which accessible anytime of disaster occur. The private sector and non government organization actively support the emergency response. As experiencing by local the available fund is limited for emergency response as well as limited facilities. Additional budget allocation for disaster response and effective early recovery is requires.

**To what extent are early warning centres established, adequately staffed (or on-call personnel) and well resourced (power back ups, equipment redundancy etc) at all times?**

Level of Progress achieved: 1

Description of Progress & Achievements:

The facilities for early warning operation is lack and emergency operating center available at the region. Police and Military communication is operates as communication system during emergency situation.

**How much do warning systems allow for adequate community**

## **participation?**

Level of Progress achieved: 2

### **Description of Progress & Achievements:**

The local radio organization actively involving on spread out the disaster risk information to community and cover up vulnerable area. Communication network still limited to some vulnerable area and local government need to develop an early warning system with community involvement at the region.

## **To what extent does the local government have an emergency operations centre (EOC) and/or an emergency communication system?**

Level of Progress achieved: 1

### **Description of Progress & Achievements:**

No emergency operation center available at the area. The Command Post is establish when require and lack of office space experiencing by Local DM Office.

## **How regularly are training drills and rehearsal carried out with the participation of relevant government, non-governmental, local leaders and volunteers?**

Level of Progress achieved: 2

### **Description of Progress & Achievements:**

Only a small area coverage for training drills/simulation and it is irregular implement.

**How available are key resources for effective response, such as emergency supplies, emergency shelters, identified evacuation routes and contingency plans at all times?**

Level of Progress achieved: 2

Stockpiles of relief supplies	No
Emergency shelters	No
Safe evacuation routes identified	No
Contingency plan or community disaster preparedness plan for all major hazards	No

**Description of Progress & Achievements:**

Some emergency stockpiles is available at Officials as well as a small amount of fund allocation. The local government need to develop the emergency plan of the region; warehouse and temporary shelter; identification of evacuation routes as well as contingency plan.

# Essential 10

*After any disaster, ensure that the needs of the survivors are placed at the centre of reconstruction with support for them and their community organizations to design and help implement responses, including rebuilding homes and livelihoods.*

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**How much access does the local government have to resources and expertise to assist victims of psycho-social (psychological, emotional) impacts of disasters?**

Level of Progress achieved: 1

Description of Progress & Achievements:

No initial effort yet to provide psycho social support for survivor from local government.

**How well are disaster risk reduction measures integrated into post-disaster recovery and rehabilitation activities (i.e. build back better, livelihoods rehabilitation)?**

Level of Progress achieved: 1

Description of Progress & Achievements:

The integration of DRR into recovery activity and post disaster rehabilitation not conducted yet.

**To what degree does the Contingency Plan (or similar plan) include an outline strategy for post disaster recovery and reconstruction, including needs assessments and livelihoods rehabilitation?**



Level of Progress achieved: 2

### Description of Progress & Achievements:

The contingency plan is under developing by stakeholders and it is need to be integrating with DRR aspect for recovery and reconstruction post disaster.