Special Report
CITYNET Yokohama Project Office

11th CITYNET Disaster Cluster Seminar
Iloilo City
August 2-4, 2018

Disaster Cluster Members:
Yokohama (Lead)
Makati (Co-lead)
Baguio
Banda Aceh
Bangkok
Bharatpur
Colombo
Danang
Dehiwala Mt. Lavinia
Dhaka North
Dhaka South
Dharan
Hue
Iloilo
Kathmandu
Lalitpur
Legazpi
Ligao
Marikina
Muntinlupa
Palembang
Quezon
San Fernando
Seoul
Sri Jaywardenapura Kotte
Surabaya
Taipei
Tomohon
Capital Development Authority (CDA)
Center for Advanced Philippine Studies (CAPS)
Centre for Asia Pacific Initiatives – University of Victoria
Informal Sector Service Center (INSEC)
Mahidol University
Local Government Academy (LGA)
League of Cities of the Philippines (LCP)
Municipal Association of Nepal (MuAN)
National Municipal League of Thailand (NMLT)
Plus Arts
SEVANATHA Urban Resource Center
Yokohama City University
Yokohama Association for International Communications and Exchanges (YOKE)
Organizers:

CityNet is the largest association of urban stakeholders committed to sustainable development in the Asia Pacific region. Established in 1987 with the support of UNESCAP, UNDP and UN-Habitat, the network of cities has grown to include 131 municipalities, NGOs, private companies and research centers.

The CITYNET Yokohama Project Office (CYO) was set up on April 1, 2013 to continue providing support and assistance to CITYNET members through projects, workshops, seminars, training, technical advisory sessions, symposiums and many other platforms. Through innovative and needs-based programs, CYO fosters city-to-city cooperation for better networking, knowledge exchange, and support for the creative development of societies.

The City of Iloilo is located at the south end of Panay Island in the Philippines. The city has suffered severe flooding in the past until the major floodway was completed in 2010. The city has been the beneficiary of a five-year JICA supported project on Community Based Disaster Risk Reduction Project. It has also been one of the most active CITYNET Disaster Cluster members with new initiatives on DRR introduced at various level. Iloilo City was the host of the 11th CITYNET Disaster Cluster Seminar.

CITYNET’s Disaster Cluster established in 2005 is a group of pro-active cities and organizations in the Asia Pacific Region concerned with reducing the risks associated with disaster in the region. The Cluster was led by Makati until November 2013, when the City of Yokohama was appointed as the lead-city during the CITYNET Congress held in Seoul. Makati continues to contribute as the co-lead of the cluster.

Acknowledgements:

The CITYNET Yokohama Project Office would like to thank the City of Iloilo for hosting the 11th CITYNET Disaster Cluster Seminar. Their cooperation and contributions to the program provided participants with an excellent platform to tap into CITYNET’s international network in order to share best practices in disaster risk reduction and to learn from Iloilo’s various innovative initiatives on DRR.

The office would also like to acknowledge resource speakers from various national government agencies, organisations, academia and the private sector whose active participation allowed for many fruitful exchanges and discussions. Thank you for your continued commitment to creating disaster resilient and more sustainable cities throughout the Asia Pacific Region.

I. Introduction:

The 11th CITYNET Disaster Cluster Seminar was held in Iloilo from August 2-4, 2018, with over 130 participants. Participants included representatives of national government line agencies, local government representative’s organisations, academia, institutions, NGOs and NPOs with work in DRR.

The threat of natural disasters with severe climatic consequences and seismic activities are increasing globally and is particularly pronounced in middle and low-income cities across the Asia Pacific Region. The threat of natural disasters with severe climatic consequences and seismic activities are increasing globally and is particularly pronounced in high income cities, unseasonal weather patterns and intensifying hazards are becoming a serious threat to both livelihood and social economy. This ever-evolving disaster occurrences are a constant challenge to people to come up with innovative, creative and practical ways to mitigate disasters and to make long-term plans for knowledge transfer.
The goal of CITYNET’s Disaster Cluster is to mainstream DRR initiatives across various departments in member cities so that proper planning, awareness-raising and practices can be institutionalized.

In order to ensure that the seminar contents were valuable to all participants, CYO distributed a pre-seminar self-assessment survey to identify the levels of disaster awareness and preparedness amongst various urban stakeholders in member cities. The survey was filled out by 15 cities and yielded valuable information that will help the Disaster Cluster plan future activities.

Floods were identified as the most common serious threat, followed by earthquakes, and then human induced fires. Similarly, the disasters which had increased in frequency the most due to climate change were floods (identified by 73% of respondents), and human induced fires (47%). 13 of the respondents had conducted risk assessments, and the most common risk assessments conducted were for floods (60%), earthquakes (53%), landslides (33%), and typhoons (33%).

11 cities had Early Warning Systems in place, mostly to warn against floods. 12 cities reported increases in DRR budget, most often due to interest of a Mayor/City Leader (50%). Overall crisis management was the most commonly desired future training, and mainstreaming DRR across city departments was the most commonly desired future project.

### III. Priorities, Challenges and Needs of member cities

#### NEEDS

- Community medical clinic and First Aid Staff
- Fixed budget for DRRM activities
- Training of designated personnel in the community

#### CHALLENGES

- DRRM team needs to strengthen understanding of roles, responsibilities, and implementation strategies
- Lack of emergency medical supplies / equipment
- Lack of DRRM team

#### INSTITUTIONAL PRIORITIES

- Developing awareness-raising toolkits for businesses and public institutions
- Capacity-building for officials on creating better DRRM frameworks
- Procurement of necessary emergency equipment
IV. Session Summaries:
The seminar this year focused on the four priorities of the Sendai Framework on Disaster Risk Reduction (SFDRR) and its application to the works and initiatives of cities.

The four priorities are (i) Understanding Disaster Risk, (ii) Strengthening Disaster Risk Governance (iii) to manage disaster risk, (iii) Investing in disaster risk reduction for resilience, and (iv) Enhancing disaster preparedness for effective response and to “Build Back Better” in recovery, rehabilitation and reconstruction.

Opening Ceremony and Remarks

<table>
<thead>
<tr>
<th>Mr. Kendra Hirata</th>
<th>Opening</th>
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<tr>
<td>CITYNET Yokohama Project Office</td>
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<thead>
<tr>
<th>Ms. Yoko Suzuki</th>
<th>Welcome Remarks</th>
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<td>City of Yokohama International Affairs</td>
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<tr>
<th>Atty. Jose Espinosa III</th>
<th>Keynote and Welcome Remarks</th>
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<tr>
<td>Mayor of Iloilo</td>
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On behalf of Iloilo City Government, Mayor Jose Espinosa III welcomed all the participants attending the 11th CITYNET Disaster Cluster Seminar and expressed hope that the seminar will enable further sharing of best practices from various local governments as well as stakeholder.

Session 1 – Evolving Perspectives on Resilience and DRR

In the Philippines, DRR has always been a priority topic and various mechanisms have been initiated to motivate the local governments into practicing DRR at the institutional levels. Capacity building programs are constantly organized by various line agencies of the national government where it connects with resource mobilization and the assessment to identify the gaps.

Session 1 also highlighted the fact from the World Risk Index that both the Philippines and Japan rank high (3rd & 4th) in terms of exposure to disasters however when it comes to risks, Japan ranks considerably lower at 17th while the Philippine’s risk level remains at 3rd.

Risks can be minimized by interventions at various levels

- Infrastructure modifications
- Institutionalized awareness raising at schools/communities/private sectors and the local government departments
- Proper training of the first responders
- Availability of facilities and equipment for continued skill-building
- Knowledge with and among other local governments
- Database management and utilization
- Budgeting
- Evidence-based policy formulation

<table>
<thead>
<tr>
<th>Ms. Maria Angela Monica Salud Mamuyac</th>
<th>OIC Division Chief, DILG</th>
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<tbody>
<tr>
<td>Mr. Yoshio Wada</td>
<td>Chief Representative, JICA Philippines</td>
</tr>
<tr>
<td>Mr. Edwin Salonga</td>
<td>Chief, Disaster Risk Governance Division, Office of the Civil Defense</td>
</tr>
<tr>
<td>Ms. Marilou G. Erni</td>
<td>Executive Director, National Resilience Council</td>
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Session 2 Understanding Risks and Enhancing Risk Governance

The session draws on examples from four cities to highlight different perspectives and management practices.

1. **City of Iloilo** demonstrates good policy backing and the importance of business and academic partnership in bringing greater awareness amongst all divisions of the city’s population.

2. **Makati city** has worked to make itself resilient by undertaking DRRM initiatives and regulating reviewing and evaluating measures to keep improving.

3. **Taipei city** demonstrates the benefits of having resolute mitigation measures, preparedness strategies, and a response strategy in place beforehand in light of recent unpredictable weather globally.

4. **Colombo** city are in the midst of implementing numerous DRR practices by profiling the city’s existing infrastructural capacities and areas for improvement.

The session emphasizes the importance of including the city’s natural geology into the DRR protection initiatives as they provide invaluable resources and socio-cultural significance to the population.

### Securing Existing Building Infrastructures and Profiling Cities

1. Carrying out inspections
2. Integrated communication
3. Preparation for seasonal disaster, e.g. rainy season
4. Learning from previous disasters
5. Awareness programs
6. Fire risk assessment
7. Resource allocation according to vulnerabilities
8. Exercise and special training for responders
9. Emergency action plans
10. Partnerships and joint venture
11. Shift to safe location

### Improve Disaster Mitigation and Response

**Mitigation measures**

1. Flood control projects (embankments, rainwater sewer systems, pumping stations, sluicegates)
2. Comprehensive river management system
3. Slope disaster planning
4. Information integration system
5. Urban renewal
6. Seismic retrofit
7. Water supply planning

**Preparedness strategy**

1. Exercise for volcano eruption disaster
2. Non-notice flood exercise
3. Emergency management organization

**Response Strategy**

1. Emergency Management Organization that does consultation, coordination, and command
2. Joint Severe Weather Working Group
3. EOC Activation and Staffing

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The session emphasizes the importance of including the city’s natural geology into the DRR protection initiatives as they provide invaluable resources and socio-cultural significance to the population.
Session 3 Investing in Risk Reduction with the Private Sector

Mr. Darrel Defensor  
Asst. Mall Manager, SM Iloilo City

Atty. Joebert Peñaflorida  
Philippines Chamber of Commerce and Industry, Iloilo City

Ms. Lea Lara  
Executive Director, Iloilo Business Club

Mr. Yuya Suzuki  
Manager, Yokohama Crisis Management Office, Yokohama City

Summaries from the panel detailing the involvement and progress made by model businesses in promoting and supporting sustainable development and collaborations for DRR.

**Philippines Chamber of Commerce and Industry (Iloilo)**

The group is promoting insurance for its members, particularly with micro enterprises.

Supporting projects such as Iloilo River Esplanade, and pushing the government of Iloilo to support sustainable projects.

Member companies are becoming more resilient, but it needs to be pressured on business continuity.

**SM City of Iloilo**

Offer temporary shelter, free parking, and food to stranded residents, and the donation of houses and school buildings.

Maximize the use of Automatic Weather Station for weather forecasting in the city, and develop business continuity management systems.

The company incorporates resilient design in all our construction works.

**Iloilo Business Club**

The club, through its member companies, engages in relief operations and rehabilitation projects.

As with PCCI, the push for the development of the Iloilo River Master Plan and flood control project. IBC also promotes the GIS database of roads and bridges in Region 6.

Strengthen coordination with other stakeholders to enhance information sharing on humanitarian needs.

Established agreements with the private sector help in reducing response time to disasters. Benefits for the private sector include:

- Receive various support and assistance services during emergencies.
- Reduce the burden of maintaining spaces and save costs in ordinary/peace times.
- Promote CSR activities.
- Improve the corporate image and produce advertising effects.
- Supply of goods (drugs, food, drinking water, etc.)
- Emergency response activities (repairing houses and roads, removing disaster waste, fire prevention, rescue, etc.)
- Provision of evacuation facilities
- Transportation of goods

“Yokohama City has active agreements with approximately 1,000 private companies and organizations” examples from these agreements include:
Session 4 Investing in Resilient Structures

The session discussed overall challenges the Philippines has to overcome in policy development, implementation and dispersal of adequate DRR knowledge and understanding; the city of Quezon provided a basis for how to begin addressing said challenges.

**Challenges faced by the Philippines in undertaking disaster prevention practices (local level)**

**Policy Improvement**
Updating and strengthening the building code

**Implementation**
The gap between the policy and actual implementation, and the absence of municipal investment in regulating building construction needs to be addressed.

**Capacity**
Lack of qualified engineers able to understand and uphold building codes.

**Awareness**
Lack of public awareness on earthquake risks and the importance of following the building code
Lack of knowledge of contractors on earthquake-resistant building construction
Absence of technical supervision and quality control in construction works

**Investments in infrastructure resilience being undertaken by the Quezon City Government**

**Protective infrastructure**
Such as retaining walls and flood control

**Critical infrastructure**
Such as water & electricity

**Public service continuity planning**
Including training of trainers and formulation of a Quezon City Public Service Continuity Plan

**First responder assets**
Including rescue vehicles and equipment

**Socialized housing**

**City disaster risk insurance pool**

**Infrastructure audits**
Including the retrofitting of buildings and enforcement of building codes

**Partnership with professional organizations**
Association of Structural Engineers and Philippine Institute of Civil Engineers

**Mainstreaming infrastructure resilience in incentive schemes**

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**Speakers**

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<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Dr. Ma. Leonila P. Bautista</td>
<td>Associate Scientist, Philippine Institute of Volcanology and Seismology (PHIVOLCS), Philippines</td>
</tr>
<tr>
<td>Ma. Bianca Perez</td>
<td>Chief, Research and Planning, Quezon City DRRM Office, Philippines</td>
</tr>
<tr>
<td>Mr. Pradip Paudel</td>
<td>Structural Engineer, Lalitpur Metropolitan City, Nepal</td>
</tr>
</tbody>
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Session 5 – Inter-generational Transfer of Knowledge

<table>
<thead>
<tr>
<th>Mr. Hirokazu Nagata</th>
<th>Chairman Plus Arts Japan</th>
<th>Ms. Blesilda Mabilog</th>
<th>OIC, Iloilo Persons with Disability Affairs Office (IPAO), Philippines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Clarissa G. Zamora</td>
<td>Schools Division Superintendent, Schools Division of Iloilo City, Philippines</td>
<td>Mr. Francis Carreon</td>
<td>VFO DRRM Specialist, World Vision Development Foundation (WVDF), Philippines</td>
</tr>
<tr>
<td>Mr. Lester Mark Carnaje</td>
<td>Public Information Officer, Iloilo Public Information Office, Philippines</td>
<td>Mr. Perla Lena</td>
<td>Bureau Chief, Philippine News Agency (PNA), Iloilo, Philippines</td>
</tr>
<tr>
<td>Dr. Ronald Raymund Lacson Sebastian</td>
<td>CEO, John B. Lacson Foundation Maritime University (JBLFMU), Iloilo City, Philippines</td>
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In order to transfer intergenerational knowledge about disaster preparedness more creative and cultural activities have to be planned.

Children, seniors and persons with disabilities are equally important members to cities, they must be addressed in its community led development agendas.

Plus Art stresses the importance of research and interviews with survivors to ensure that the design and activities are suitable to the culture and context.

Iza! Kaeru Caravan, an exemplary event, making disaster preparedness and prevention activities for families. It involves drills and workshops such as extinguishing fires and first aid, plays, and stories using localized and familiar characters.

JBLFMU
1. Dissemination of information on hazards and risks in schools, promoting a culture of safety, putting safety, environment, and health officers in our classrooms
2. Has organized a committee and action teams for flood, fire, and earthquakes in school, conducts regular drills, distributes posters and IEC materials, and enhance information system on DRR
3. Cooperation of stakeholders in DRR, crafting working relationships

PNA
1. Are developing a Glossary of DRR terminologies for the media, and media persons are members of DRRM councils in the region
2. PNA. Capacitating the media sector on DRR to be a partner in educating the public

IPAO
1. Further strengthening recognition/inclusion of persons with disabilities at the local level as partners in DRR

WVDF
1. LGU should prioritize DRR; more sectors at the community level should participate in DRR. Promoting education campaigns and spreading inspiring stories.
Strategic Planning and Open Session:

On September 23, the official portion of the 9th CITYNET Disaster Cluster Seminar opened, which was limited to Disaster Cluster Members. After short opening remarks from Taipei, Yokohama and Makati, Mr. Kendra Hirata from the CITYNET Yokohama Project Office provided an overview of the goals of the Disaster Cluster, DRR activities coordinated by the office, and the need for strategic planning in regards to future cluster projects and activities.

Priority One; Understanding Disaster Risk

<table>
<thead>
<tr>
<th>Practical recommendation</th>
<th>Indicators</th>
<th>Means of verification</th>
<th>Time line</th>
<th>Possible collaboration with other city net cluster</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>01 Risk assessment Training</strong> <em>(Learn from Japan)</em></td>
<td>Training is conducted</td>
<td>Report to be submitted</td>
<td>Eight month (May of 2019)</td>
<td>Climate change Custer</td>
</tr>
<tr>
<td><strong>02 Colombo to host Community risk</strong></td>
<td>Trainings are</td>
<td>Report to be submitted</td>
<td>By August , 2019</td>
<td>Possible collaboration with other city Custer to be found</td>
</tr>
<tr>
<td><strong>03 Training of Trainers for Community Risk Assessment</strong> <em>(Partnership with Iloilo city and Japan)</em></td>
<td>Training is conducted</td>
<td>Report to be submitted</td>
<td>By October 2019</td>
<td>Possible collaboration with other city Custer to be found</td>
</tr>
<tr>
<td><strong>04 Risk Communication Training Using Risk Assessment</strong></td>
<td>Training is conducted</td>
<td>Report to be submitted</td>
<td>By December 2019</td>
<td>Possible collaboration with other city Custer to be found</td>
</tr>
<tr>
<td><strong>05 Mahidol University to host &quot;Youth and DRR&quot; Program to be uplift the capacity</strong></td>
<td>Programs to be commence</td>
<td>Report to be submitted</td>
<td>To be discussed and finalized</td>
<td>Collaboration with Thailand City Custer</td>
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Priority Two; Strengthening Disaster Risk Governance to manage Disaster Risk

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<thead>
<tr>
<th>Recommendation</th>
<th>Indicators</th>
<th>Means of Verification</th>
<th>Timeline</th>
<th>Collaborations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Establish Sister-Cities among Citynet members</strong></td>
<td>1 signed sisterhood agreements</td>
<td>Memorandum of Agreement between sister cities</td>
<td>Within a year</td>
<td>Taipei Iloilo City Citynet member cities</td>
</tr>
<tr>
<td><strong>Disaster Prevention Exercise with member cities</strong></td>
<td>1 city with 5 participants per year</td>
<td>Certificate of Completion</td>
<td>Within a year</td>
<td>Taipei Iloilo City Citynet member cities</td>
</tr>
<tr>
<td><strong>Donation of used/new firetrucks or ambulances to member cities</strong></td>
<td>1 donation</td>
<td>Memorandum of Agreement Firetruck / ambulance</td>
<td>Last quarter of 2019</td>
<td>Taipei Iloilo City Citynet member cities</td>
</tr>
<tr>
<td><strong>Suggest to include policy makers in the next disaster cluster seminar</strong></td>
<td>1 seminar</td>
<td>Attendance of policy makers</td>
<td>Disaster Cluster seminar</td>
<td>Taipei Iloilo City Citynet member cities</td>
</tr>
<tr>
<td>Practical Recommendation</td>
<td>Indicators</td>
<td>Means of Verification</td>
<td>Timeline</td>
<td>Possible Collaboration</td>
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<tr>
<td>Publication of compendium focusing on what CITYNET members are doing in each field</td>
<td>The Develop Template</td>
<td>Submitted Template (filled up by CITYNET members)</td>
<td>With-in Fourth Quadrant of the year</td>
<td>Collection of templates from all Partners</td>
</tr>
<tr>
<td>Disaster Recovery Planning with IRP and other experts</td>
<td>Proposal Document/Training module</td>
<td>No. of Participants present in the Workshops</td>
<td>Next Year</td>
<td>Inviting all Disaster Cluster Members</td>
</tr>
<tr>
<td>Training on seismic and Structural Engineering</td>
<td>Proposal</td>
<td>Training Participants</td>
<td>With In December 2019</td>
<td>Invitation to Multiple Partners</td>
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ILOILO RESOLUTION FOR ACTION ON DISASTER RISK
BY ASIA-PACIFIC CITIES AND STAKEHOLDERS
(ILOILO AGENDA)

We, cities, organisations, NGOs and the academic sector in the Asia-Pacific region gathered in Iloilo, Philippines for the CITYNET 11th Disaster Cluster Seminar: “Mega Disaster in Cities - What Communities and Networks Can Do” organized by CITYNET Disaster Cluster in August 2018, have shared a common sense of urgency in regard to tackling natural disasters – from mega earthquakes, to flooding, thunderbolts and tornadoes that threaten Asian cities every year- and discussed how to prepare and help each other.

We confirmed the importance not only of building resilient communities through partnerships and collaborations among all stakeholders, but also of preparing for any disaster through inclusive practices that help the cities reach their national and global targets.

We duly resolve to undertake the following actions to create resilient cities and communities:

- We will commit and foster capacity building and innovation programs to support the building of communities resilient against disasters.

- We will share relevant evidence-based information and knowledge among Asia-Pacific cities, NGOs and international organizations.

- We will strengthen the inclusive, multi-stakeholder partnership engagement to develop better strategies in addressing disaster risks in cities.

August 3, 2018

Bharatpur Metropolitan City  City Government of Makati
Colombo Municipal Council  City of Muntinlupa
Dehiwala Mt. Lavinia Municipal Council  City of Quezon
Dhaka North City Corporation  Plus Arts
Iloilo City Government  Taipei City Government
INSEC  Negombo Municipal Council
Lalitpur Metropolitan City  City of Yokohama

City of Legazpi
Site Visits

Iloilo City Gallery

[Images of the site visits]