

Member's Annual Report 2010-2011

Date of preparation: 27/11/2012

Name of the editor: Harianto, Raymond Valiant Ruritan

1. About the organization

(1) Name of the organization and postal address of the office

Jasa Tirta I Public Corporation, in Indonesian: *Perusahaan Umum Jasa Tirta I*

Jalan Surabaya 2A Malang, East Java, Indonesia 65115

(2) The representative of the organization

Harianto, President Director

(3) Purposes and roles of your organization

a) Historical background of the organization

Overall Background

Jasa Tirta I Public Corporation, commonly abbreviated as PJT-I, cannot be separated from the Indonesian Government endeavour to develop the Brantas River Basin, an important basin in the Island of Java.

The Brantas River Basin was developed with a modern approach since 1961. The development scheme is conducted based on a series of master plans that involves stage-wise planning in accordance to the national development requirements. These master plans are as follows:

- Master Plan I prepared in 1961, emphasizes on flood control by developing dams at the upper reaches and river improvements to increase flood relief capacity.
- Master Plan II prepared in 1973 after most objectives of the first master plan were achieved. This master plan was founded in accordance to the government policy on flood sustainability, by emphasizing on irrigation development.
- Master Plan III prepared in 1985 after irrigation schemes were developed in the basin and as result of the irrigation development, agricultural intensification was made possible. The third master plan emphasizes on water supply for domestic and industrial uses, as more urban area is evident in the basin.
- Master Plan IV prepared in 1998, emphasizes on effective water resources conservation and management.

This development scheme resulted into a vast water resources infrastructure network within the basin, comprising 8 reservoirs (Sengguruh, Sutami, Lahor, Wlingi, Lodooyo, Selorejo, Bening and Wonorejo), river improvement schemes, flood control schemes (open channels, tunnels and dikes), 3 barrages (Mrican, Lengkong Baru and Gunungsari) and three rubber dams (Jatimlerek, Menturus and Gubeng).

Total investment in the infrastructures itself is priced to close to IDR 10.95 trillion based on the year 2010 price level (US\$ 0.097 billion, JP¥ 78.8 billion, IDR 10,871.1 billion).

During completion of this vast network of water resources infrastructures, it become necessary to operate and maintain function of the completed infrastructures in order to ensure maximum benefit to achieve the designated technical life span and sustainable development.

Confining Factors Behind the Establishment of PJT-I

Adequate operation and maintenance (O&M) activities are necessary to be conducted by a permanent institution, with professional staff and adequate budget. Further, it is necessary to maintain the function of the water resources infrastructures to ensure optimum benefit at their planned lifetime. However, these activities encountered specific problems as follows:

1) Institution

Until 1990, there is no permanent institution that could perform O&M activities in a conceptual and sustainable manner. The Indonesian Government has assigned a temporary executive office, named Brantas River Basin Development Project (BRBDP) to take care of the water resources infrastructure development in the basin.

BRBDP main duty is to carry out the water resources infrastructure development, construction and can not completely address the operation and maintenance requirements of the developed infrastructures. Since there are many sectors in utilization of water resources in the basin, and in the other hand, the water availability is much influenced by climate and human activities, this condition will lead to conflict among uses and users. Then it is required a neutral institution to manage water resources in the basin to meet the various needs.

2) Funding

Obtaining fund for O&M activities of the developed infrastructures is limited, as the temporary executive office is not eligible to collect water service fee and the national government budget can not finance the activities as intended.

3) Water Resources Degradation

Lack of O&M funding resulted in deferred maintenance and hence in degradation of the infrastructures. Minim coordination among related agencies makes the problem more complicated.

This situation posed risk of water resources degradation, which in the long run shall harm economic development of the basin. Whereas water degradation is evident, sustainable resources are at risk.

Initiation of a River Basin Organization in the Brantas Basin

To cope with the above problem, PJT-I was established in 1990, based on the Government Regulation No. 5 with a designated working area in the Brantas River Basin. In 1999, this regulation was amended with the Government Regulation No. 93 in order to strengthen the organization and permits its jurisdiction to extend to other basins. Based on Presidential Decree No. 129 of 2000, Bengawan Solo River Basin is added as PJT I working area. At this stage, the Brantas Basin (40 rivers) and Bengawan Solo Basin (25 rivers) are managed by PJT-I.

The Government Regulation No. 93 of 1999 was recently replaced by the Government Regulation No. 46 of 2010 to suit the implementation of Water Resources Law No 7 of 2004 and to adapt the Government Regulation No. 42 of 2008 on Water Resources Management

Under this new mandate, the river basin organization is now responsible to manage water resources within its working area, conduct specified activities in the assigned rivers within the Brantas and Bengawan Solo River Basin, and to conduct other water-related-business activities like clean water supply and electric power generation.

b) Purposes and roles of the organization

The objective and goal of PJT-I is take part and support the Indonesian Government policy and program on economic sector and national development in general, and particularly on business of water resources and water resources management, as well as optimization of PJT I resources to produce goods and services based on healthy corporation management principles.

In order to achieve its objective, PJT-I maintain activities as: 1) bulk water services for potable use, industrial, agriculture, flushing, and other usages; 2) provide electricity to State Electricity Company (PT Perusahaan Listrik Negara); 3) provide and distribute potable water; 4) perform consulting in water resources fields, heavy equipment rental and water quality laboratory services, and 5) conduct specified contracting works.

The task of PJT-I within its working area – the Brantas and Bengawan Solo River Basin – is stipulated in accordance to the Government Regulation No 46 of 2010 Article 4 as follows:

- Deliver services on water resources for its utilization by the users.
- Provide the guarantee of services on water resources for the users through the implementation of operation and maintenance works, including construction of water resources infrastructure which give direct benefits.

- Provide technical consideration and advice to the RBO having authority to prepare technical recommendation for business activities on water resources.

The task of PJT-I related to water management activities within the 40 assigned rivers in the Brantas River Basin and the 25 assigned rivers in the Bengawan Solo River Basin is stipulated in the Government Regulation No 46 of 2010 Article 5 as follows:

- a) Perform operational activities of water resources infrastructures that are overhanded from the Indonesian Government to PJT-I.
- b) Perform preventive maintenance which consists of routine and periodic maintenance and minor repair of water resources infrastructures that are overhanded from the Indonesian Government to PJT-I.
- c) Routine and periodic maintenance and minor repair of water resources infrastructures that are overhanded from the Indonesian Government to PJT-I
- d) Assist the Indonesian Government in order to conserve and safeguard the available water resources to maintain its preservation.
- e) Perform emergency maintenance on water resources infrastructures that are overhanded from the Indonesian Government to PJT-I.
- f) Support the Indonesia Government in water resources conservation and managing the water resources destructive forces.
- g) Perform river flow maintenance activities.
- h) Perform monitoring and evaluation of water quantity and quality.
- i) Provide information on water quantity and quality to users, community and other stakeholders.
- j) Provide guidance and counseling to the community to improve their empowerment.
- k) Provide technical consideration and advice to the RBO having authority to prepare technical recommendation for the utilization of water resources.

Besides the tasks and responsibilities mentioned above, PJT-I also conducts public utilization of water resources to fulfill people needs for social services, welfare and safety within its working area. Those includes providing surface water supply to fulfill daily basic needs, providing irrigation water for public agriculture within the existing irrigation system, controlling flood hazards, and water resources conservation.

(4) Outline of the Organization

1) Number of staff

Number of staff as of December 2010 and 2011 is 476 and 478.

2) Amount of the annual budget in 2010 and 2011

Water Resources Infrastructures O & M cost for 2010 and 2011 = IDR 107.104 billion and IDR 111.329 billion

Water Resources Conservation cost for 2010 and 2011 = IDR 4.325 billion and IDR 3.915 billion.

(PJT-I Annual Report 2010 and 2011 – *audited*)

3) Organizational chart

See the attachment

4) Ongoing Projects

Basic activities of PJT-I comprises operational activities of water resources infrastructures, preventive maintenance, Routine and periodic maintenance and minor repair of water resources infrastructures, conserve and safeguard the available water resources and other activities that are stipulated in **Section 3.b**.

Other related projects, in correlation to the network activities of PJT-I are among others: the «Framework and Action Plans for River Rehabilitation for Small Streams in the Brantas River Basin, East Java, Indonesia» conducted in 2010 with the assistance of the United Nations Economic and Social Commission for Asia and Pacific (UN-ESCAP).

This is a pilot project of the eco-efficiency concept to develop a plan and framework of actions to prioritize subsequent activities in rehabilitate a small stream. The activities include implementing structural and non-structural measures, comprising of: (1) Implementation of non structural measures, leading to preventing further catchment degradation (soil conservation) based on local community participation (e.g. bio-pores, land terracing, gully plug, regreening and/or re-forestation); (2) Construction or installation at least one eco-efficient modular/in-situ structure to reduce pollution flow into the stream and to improve water quality; and (3) Construction of at least one eco-efficient river protection to prevent river bed or river bank erosion. This include the development of a green village concept.

5) Main events in 2010-2011

- The 4th General Meeting Network of Asian River Basin Organization (NARBO) at Makassar, Indonesia, in cooperation with NARBO, ADB and ADBI, on 8–12 November 2010.
- NARBO Management Team Meeting 2011 at Malang, East Java, Indonesia, in cooperation with NARBO, ADB and ADBI, on 11–13 January 2011.
- The 1st NARBO IWRM Executive Retreat on Leadership in River Basins and International Seminar on Corporate River Basin Organization (RBO) in Asia, Malang, Indonesia, cooperation with NARBO, ADB and ADBI, on 20–24 June 2011.

2. About NARBO activity

(1) The contact person and organization's web-site

- 1) The name, position, phone & fax number, e-mail address of the contact person
Mr. Erwando Rachmadi, phone: +62 811 353 9784, email: erwando@jasatirta1.net
Ms. Astria Nugrahany, phone: +62 812 526 3576, email: astria_air@yahoo.com
- 2) The organization's website URL (English and local language respectively)
<http://www.jasatirta1.co.id>

(2) Activities your organization implemented in 2010-2011 as the member

- Strengthening Capacities for Knowledge Networking in the Water Sector, Asia Pacific Water Forum (APWF) Knowledge Hubs and Asian Development Bank (ADB) at Manila, Philippines, on 19 – 23 April 2010.
- The 2010 World Water Week «Responding to Global Changes; The Water Quality Challenge – Prevention, Wise use and Abatement» at Stockholm, Sweden, on 5–11 September 2010.
- The 4th General Meeting Network of Asian River Basin Organization (NARBO) at Makassar, Indonesia, on 8–12 November 2010.
- NARBO Management Team Meeting 2011, at Malang, Indonesia, on 11–13 January 2011.
- The 1st NARBO IWRM Executive Retreat on Leadership in River Basins and International Seminar on Corporate River Basin Organization (RBO) in Asia at Malang, East Java, Indonesia, on 20–24 June 2011.
- The «Asian Development Bank (ADB) Water Learning Week» at Manila, Philippines, on 7–11 November 2011.

(3) Resolutions and expectations for NARBO activities in 2012

- 1) Your organization's resolutions
PJT I is involved and will participate in the NARBO activities; with the objective to: 1) achieve the goal of NARBO i.e. to help implement integrated water resources management in river basins throughout Asia, and 2) the objective of NARBO i.e. to strengthen the capacity and effectiveness of RBOs in promoting integrated water resources management and improving water governance, through training and the exchange of information and experience among RBOs and their associated water sector agencies and knowledge partner organizations in Asia and to advise on the establishment of RBOs in Asia.
- 2) Expectations of NARBO activities
Exchange and sharing of information, good practices and lessons learned for IWRM among the NARBO members, trainings and staff exchange should be continued.

3. Questions to RBO members

(1) Areas which your organization has improved the performance in 2009

- Operation and maintenance of water resources infrastructures;
- Water-related-businesses: clean water supply and electric power generation.

(2) The way in which your organization was able to do so

- Render professional water services using the in water service fee in an accountable manner, to ensure prime benefits of water resources management.
- Maintain and improve cooperation with other agencies especially the quasi-RBOs in the PJT-I working area (the Brantas and Bengawan Solo Public Utility type RBOs).

(3) In what way NARBO has helped your organization

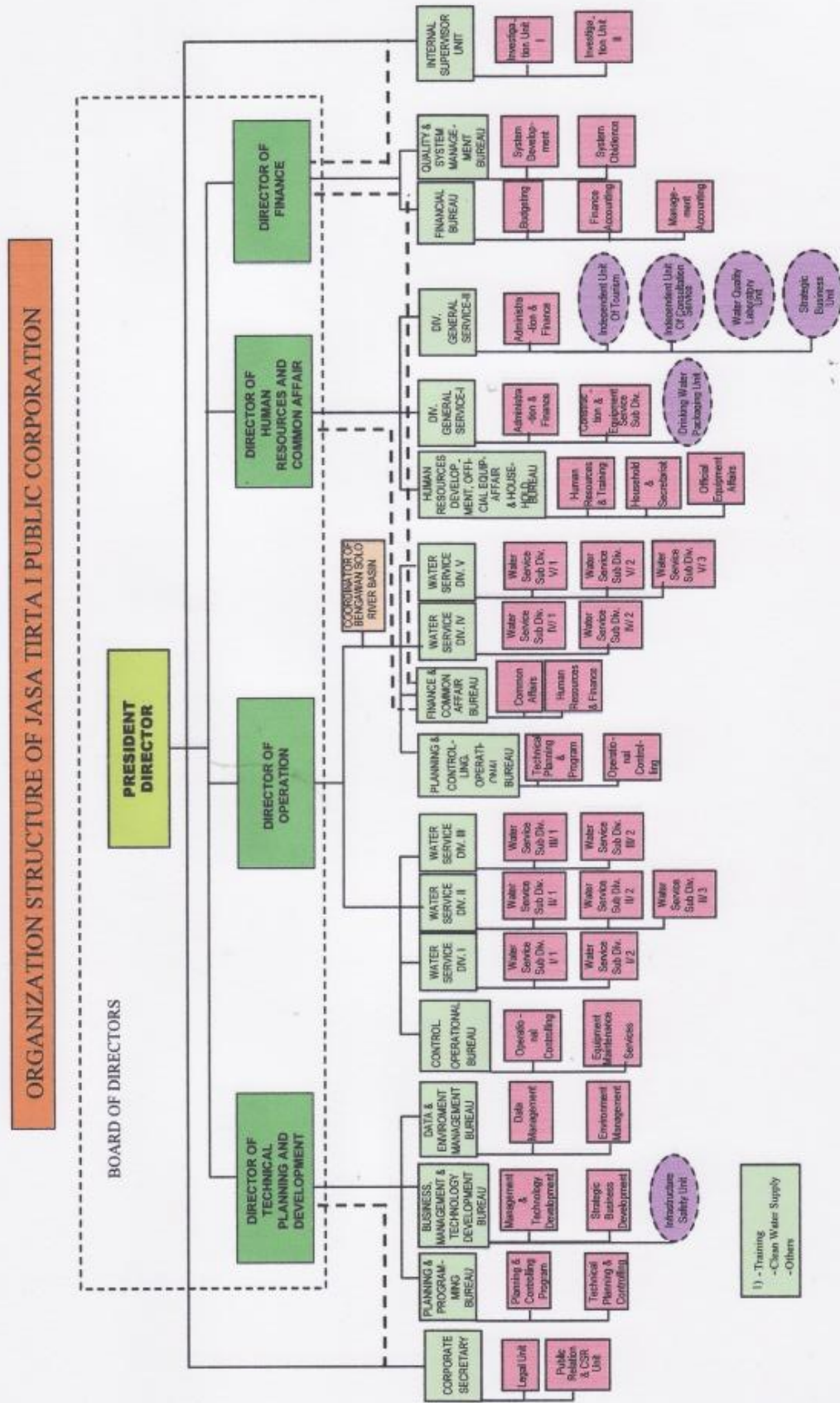
NARBO has assisted our organization through training and twining programmes, as a basis to exchange and share information, knowledge as well as good practices.

Malang, January 11, 2013

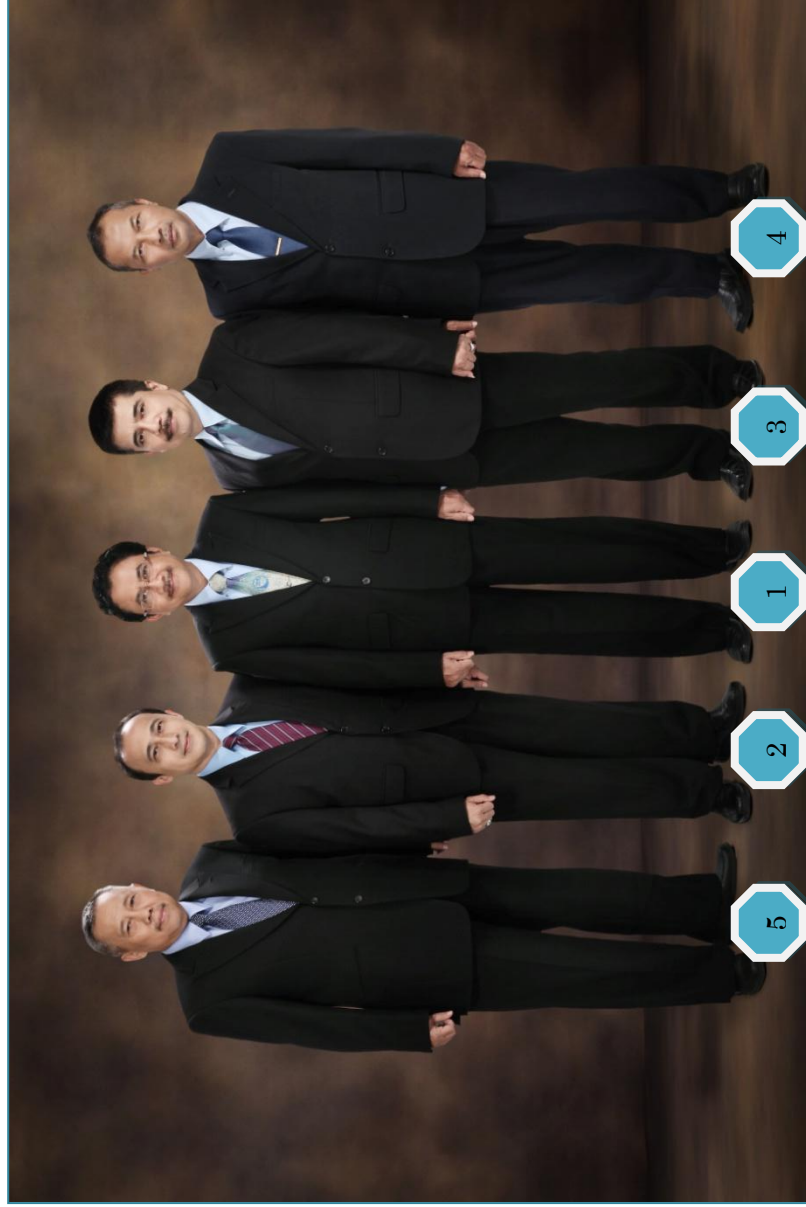
Editors,

Hariato (President Director)

Raymond Valiant Ruritan (Director for Technical Affairs)



Board of Director Jasa Tirta I Public Corporation (2012-2017)



1. Harianto, President Director
2. Raymond Valiant Ruritan, Director for Technical Affairs
3. Alfian Rianto, Director for Development
4. Syamsul Bachri, Director of Operation
5. Didih Hernawan, Director of Administration and Finance

Member's Annual Report 2010-2011

Date of preparation: 29/12/2012

Name of the editor: Tomotaka HIGUCHI

1. About the organization

(1) Name of the organization and postal address of the office

Japan Water Agency

Land Axis Tower, 11-2 Shintoshin, Chuo-ku, Saitama City 330-6008, JAPAN

(2) The representative of the organization

Mr. Kenyu KOMURA, President

(3) Purposes and roles of your organization

a) Historical background of the organization

Water Resources Development Public Corporation (WARDEC) was established to meet rapid increase of water demand due to high level economic growth in 1962 and transformed into JWA in October 2003 by administrative reform.

b) Purposes and roles of the organization

JWA, based on the Basic Plan for Water Resources Development (Full Plan) for each of the seven river systems (Tone, Ara, Toyo, Kiso, Yodo, Yoshino and Chikugo River Systems) designated for water resources development, is constructing dams, estuary barrages, facilities for lake and marsh development, and canals. (Projects for increasing water supply are limited to those ongoing at the time of transition from WARDEC to JWA.) In addition, JWA is operating, managing and reconstructing completed facilities.

JWA activities range widely from securing water for domestic, industrial and agricultural use to controlling floods, and maintaining and improving normal functions of the river water (e.g. securing vested water and conserving the river environment). The matters related to personnel and financial accounting of JWA are placed under the supervision of the Minister of Land, Infrastructure and Transport. The Minister of Health, Labor and Welfare, Minister of Agriculture, Forestry and Fisheries, Minister of Economy, Trade and Industry of Minister of Land, Infrastructure and Transport are held responsible for project implementation according to the objective of the projects.

(4) Outline of the organization

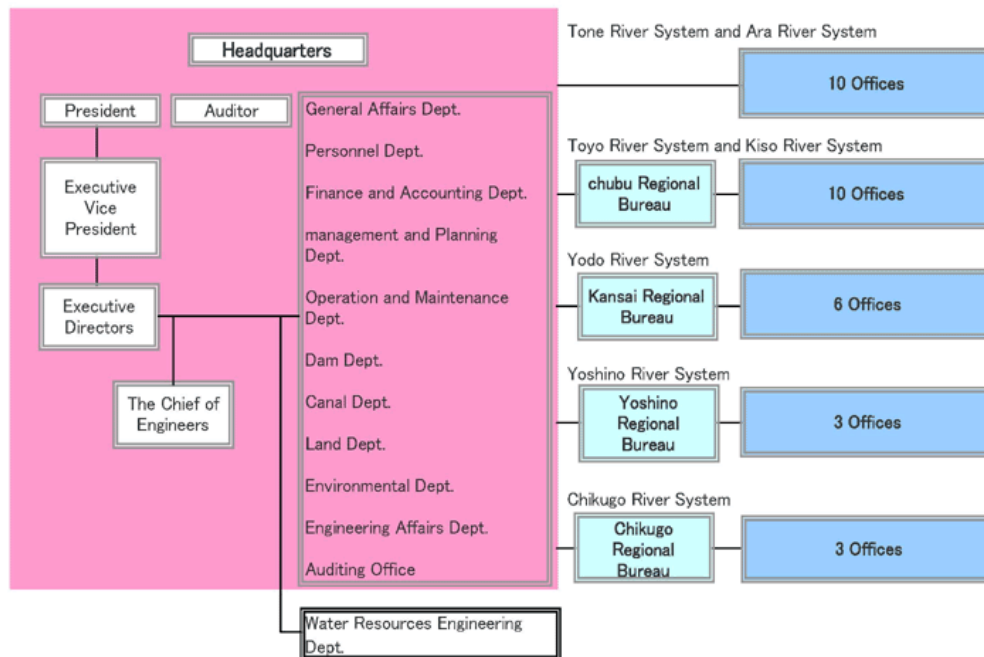
1) Number of staff

1,507(as of April 1, 2011)

2) Amount of the annual budget in 2011

202 bil. JPY

3) Organizational chart



4) Ongoing projects

JWA has completed 59 projects and still implement 11 projects in 7 major river systems

(5) Main events in 2010-2011

5 December 2011, The 28th JWA-K-water Technical Exchange Meeting

30 November 2011, Courtesy Call on the Vice President of JWA made by Investigation Team from Vietnamese Water-related Organizations

1 Oct 2011 New president of JWA was appointed

11 May 2010 Cooperation to Integrated Flood Management HelpDesk of World Meteorological Organization (WMO)

1 April 2010 Takizawa-dam was operated after the construction

2.About NARBO activity

(1) The contact person and organization's web-site

1) The name, position, phone & fax number, e-mail address of the contact person

Mr. Tomotaka HIGUCHI, staff member of international affairs division

+81-48-600-6553 (Phone) +81-48-600-6509 (Fax)

tomotaka_higuchi@water.go.jp

2) The organization's website URL (English and local language respectively)

English: <http://www.water.go.jp/honsya/honsya/english/top.html>

Japanese: <http://www.water.go.jp/>

(2) Activities your organization implemented in 2010-2011 as the member

The 6th World Water Forum 12 - 17 March, 2012, Marseille, France

GEO-UNESCO IWRM Joint Workshop, 12 - 16 January, 2012 Nairobi, Kenya

International Workshop on Water & History, 13 - 14 December, 2011, Tokyo, Japan

Twinning Program between Viet Nam NARBO and Japan Water Agency, 16-24 November, 2011, Japan

WEPA and NARBO Joint Session on Water Quality Management in River Basins with Integrated Water Resources Management, 21 September, 2011, Metro Manila, Philippines

IWRM Workshop at HELP Davao, 14 - 26 August, 2011, Davao, Philippines

International Seminar on Corporate River Basin Organizations in Asia, 22-24 June, 2011, Selorejo, Indonesia

1st NARBO IWRM Executive Retreat on Leadership in River Basins, 20-22 June, 2011, Malang, Indonesia

NARBO Management Team Meeting, 11-12 January, 2011, Malang, Indonesia

The 4th NARBO General Meeting, 8-12 November, 2010, Makassar, Indonesia

The 3rd Technical Advisory Committee, 12-Nov-2010, Singapore

NARBO Secretariat Meeting, 1-Jul-2010, Singapore

River Basin Study Visit, 24 - 28 May, 2010, Madrid and Zaragosa, Spain

(3) Resolutions and expectations for NARBO activities in 2012

1) Your organization's resolutions

Conducted Twinning Program, Organize and Co-organized some NARBO activities

2) Expectations of NARBO activities

Increase number of Twinning Program among NARBO Member

3. Questions to RBO members

(1) Areas which your organization has improved the performance in 2009

After the triple disaster which hit Japan 2011, JWA could conduct quick action on it.

(2) The way in which your organization was able to do so

JWA exchanged many topics such as leadership, preparing and mitigating for damages from disasters, and so on.

(3) In what way NARBO has helped your organization

Through exchanging knowledge and experiences

LAGUNA LAKE DEVELOPMENT AUTHORITY
Network of River Basin Organization

2010-2011 ANNUAL REPORT

1. About the organization

1.1 Name of the organization and postal address of the office

Laguna Lake Development Authority (LLDA)
4/F Annex Building, Sugar Regulatory Administration Compound, North Avenue, Diliman,
Quezon City, Philippines

1.2 The representatives of the organization

J. R. Nereus O. Acosta, Ph.D.
Secretary/Presidential Adviser on Environmental Protection and
General Manager, LLDA

Dolora N. Nepomuceno, CESO IV
Assistant General Manager, LLDA

1.3 Purposes and roles of your organization

The Laguna Lake Development Authority was created in 1966 by virtue of Republic Act No. 4850 (An Act creating the "Laguna Lake Development Authority, prescribing its powers, function and duties, providing funds thereof and for other purposes") and since 1975 through Presidential Decree No. 715 has been given the primary responsibility to promote the development and balanced growth of the Laguna de Bay Region, while providing for environmental management and control, preservation of the quality of life and ecological systems, and the prevention of undue ecological disturbance, deterioration and pollution.

Amendments to the LLDA original charter through Presidential Decree No. 813 in 1975 and Executive Order No. 927 on December 16, 1983 further strengthened its institutional, financial and administrative capabilities to implement not only its development but also its regulatory functions including control and abatement of pollution from point sources within the lake region. Specifically, Executive Order No. 927 on December 16, 1983 granted the Authority exclusive jurisdiction to issue permit for the use of all surface water for any project or activity in or affecting the said region including fisheries, irrigation, hydro-electric power, domestic water supply, transport and navigation and others. It also reclassified the LLDA among the industrial area development group (class A) of corporations and authorized the modification of its organization and creation of other offices.

Through Executive Order No. 149 issued in 1993, the LLDA was placed under the administrative supervision of the Department of Environment and Natural Resources (DENR).

The policy making body of the LLDA is its Board of Directors. It is a mixed body composed of representatives from the Office of the President, the Secretaries of Economic Planning, Environment and Natural Resources, Trade and Industry, as well as representatives from the Provincial Governments of Rizal and Laguna, Metro Manila Development Authority, League of Lakeshore Municipal Mayors, Private Sector and the General Manager of the LLDA as ex-officio member.

1.4 Outline of the organization

Number of staff: 2010 - 247 : 2011 - 263

Amount of the annual budget: Php 179.887 million (\$43.95 million) in 2010; Php300.605 million (\$300.605 million) in 2011

Organizational chart (please see Figure 1)

Ongoing projects

- **Environmental Management Program:** Within the Laguna de Bay basin, LLDA implements/enforces policies, rules and regulations under the Philippine Clean Water Act and its Charter (Republic Act 4850, as amended). Thus, it issues clearances and permits to various establishments and facilities covered by its rules and conducts compliance monitoring and inspections of point sources of pollution and adjudicates cases of violation of its rules and regulations, which may mature to closure of sources of pollution upon due process. For 2010 and 2011, 2,643 and 2,550 compliance monitoring/inspection activities, respectively, were conducted and 4,920 industries were surveyed to bring them into the “fold”. A total of 521 and 526 discharge permits were issued to compliant establishments for 2010 and 2011, respectively. LLDA also started implementing stiffer penalties for violation of environmental laws and regulations from Php1,000 to Php10,000 per day to compel compliance by establishments. In 2010 and 2011, some 432 and 421 cases, respectively, were added for which 926 and 924 public hearings were conducted in 2010 and 2011 respectively, thus total cases under adjudication reached 265 in 2010 and 164 in 2011.

Water and Sediment Quality Monitoring: The LLDA uses a number of parameters to assess accurately the impacts of development activities on the lake and river systems and their suitability for beneficial uses. These parameters include BOD, DO, phosphate, nitrate, chloride, transparency and net primary productivity, TCC and heavy metals. Monitoring and laboratory results indicate that the lake waters pass the different criteria for Class C waters by the Department of Environment and Natural Resources. For tributary rivers, out of the 25 river stations, 14 stations or 56% complied with the criterion particularly for BOD concentration, while all stations met the DO criterion in 2011. Four stations met the BOD and DO criterion in 2010, the rest failed in terms of BOD and DO at certain months in 2010.

- **Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project:** Co-financed by the World Bank and the Netherlands Government, the Project aims to improve the overall lake environment through co-managed investments between the Local Government Units and River Councils and other stakeholders within the lake watershed and LLDA, and through strengthening of institutions and instruments and modernization of the LLDA. In 2010, LISCOP showed significant achievements

including 33 demand-driven environmental sub-projects implemented by 23 LGUs. These interventions show responsiveness to micro-watershed priorities notably in addressing environmental degradation, improving environmental quality and changing behavior to support environmental enhancement.

LISCOP Additional Financing: Prior to the closing of the successful Original Financing on April 12, 2011, the LLDA secured approval for a US\$10.0 million Additional Financing on January 8, 2011. It was one of the highlights of the message of His Excellency President Benigno Aquino III during the opening of the 15th Congress of the Philippines on July 26, 2011. In August 2011, LLDA secured the confirmation of 37 sub-projects of 31 LGUs pipelined within the 3-year implementation of LISCOP Additional Financing directed towards the goal of improving the environmental quality and sustainable management of resources in and around Laguna de Bay.

- Through LISCOP, LLDA has expanded its **Environmental User Fee System (EUFS)** in terms of pollutant parameters, industrial coverage, and improved regulatory compliance. **Upgrading of the Permitting, Monitoring and Enforcement System (PMES)**, introduction of online application and evaluation of permits, and promotion of paperless transaction and increased transparency. These have contributed to the efficient delivery of services to LLDA's clients/stakeholders.

1.5 Main events in 2010-2011

- The New LLDA Logo:



In 2011, the LLDA Board of Directors approved the adoption of the new LLDA Logo. The center image of the logo is the simplified map of the Laguna de Bay, and the logo used the abbreviated, more legible and recognizable name of the RBO being the premier institution that manages the Laguna de Bay Region. The green circular border signifies and holistic approach and integrated management of the basin by the RBO with the multifarious stakeholders to give back the life of the lake and its watershed.

- **Seal of Excellence:** LLDA was recognized as given the ***"Citizen's Satisfaction Center Seal of Excellence Award"*** and cash prize. This award is under the auspices of the Civil Service Commission which conducts the performance evaluation through a Report Card Survey in relation to the Citizen's Charter. The aim of the tool is to help in the improvement of delivery of specific frontline services. With the award, LLDA has proven its full compliance to the Anti-Red Tape Act of 2007.
- In February 2011, LLDA embarked on the updating of the 1995 Laguna de Bay Master Plan by the approval of the LLDA Board of Directors of the Master Plan Framework.
- **Laguna de Bay Ultra Marathon, 200-km. Relay Race:** Organized by LLDA in cooperation with various sectors, this event held on May 1-2, 2010 was the longest marathon relay in the Philippines, spanning five (5) provinces and portions of Metro Manila surrounding

Laguna de Bay. Proceeds from the registration and sponsorships benefited LLDA's Reforestation-Livelihood Project in Barangay Galalan, Pangil, Laguna aimed at protecting the watershed.

- **OPLAN Universe:** A special Task Force was launched in April 2011 tasked with the census of all industries within the Laguna de Bay Region to bring them within the coverage of its regulatory regime. The pilot areas were Quezon City and Muntinlupa City in the National Capital Region within the jurisdiction of the LLDA. Results delivered 587 new applications for LLDA Clearance, 1,371 for Discharge Permits and 234 Notices of Violations.
- **Public Disclosure Program (PDP):** LLDA held its 5th Public Disclosure for Industries Event on December 14, 2010. Dubbed as "Lakan ng Lawa" Awards, LLDA recognized 135 Blue Awardees for compliance with the basic requirements, 28 Green Awardees for compliance better than the basic and one (1) Silver Awardee for performance beyond set standards, all based on rating of 2009 industrial environmental compliance of 215 establishments, thus showing positive results in terms of environmental compliance, motivated non-compliant firms to comply with standards and other regulatory requirements.

PDP for LGUs: All 59 cities and municipalities were covered in the performance rating for the disclosure of LGUs environmental performance in 2010. 66% (30) of LGUs were rated fair to good, while 40% of LGUs improved their waste management through closure of open dumpsites and establishment of 18 material recovery facilities (MRFs) and sanitary landfill systems with financing assistance from the World Bank through LLDA's LISCOP Project.

- **Lake Seeding:** President Benigno S. Aquino III led the seeding of tilapia and big head carp fingerlings in the Laguna de Bay Fish Sanctuary on May 24, 2011. With the theme "Bringing back the Lake's Bountiful Harvest", the event aimed to revitalize the lake's fishery resources through lake seeding to help the plight of small fishermen in the lake region. This together with other succeeding lake seeding activities raised a total of 600,000 fingerlings dispersed, with a target of one million fingerlings for the entire program.
- **Ban on the Use of Single-Use, Carry-Out and Non-Biodegradable Plastic Bags in all Cities and Municipalities within the Laguna de Bay Basin:** After the damages inflicted by Typhoon "Ondoy" (international code name "Ketsana") in September 2010, it was found out that 90% of materials which obstructed waterways and clogged storm drains were plastics. On March 24, 2011, The LLDA Board of Directors through Resolution No. 2011-406 directed all LGUs in the lake basin "...to pass and implement an Ordinance Banning the Use and Distribution of Thin Film, Single Use, Carry-Out, Non-Biodegradable Plastic Bags"
- **Greening Program:** As part of the National Greening Program, Secretary Neric Acosta, LLDA General Manager, led hundreds of LLDA employees and local community members in tree planting activities in Tayak Hills, Rizal, Province of Laguna and in Binayoyo, Antipolo City, to help rehabilitate the Laguna de Bay watershed. Secretary Acosta cited

the importance of the watershed or basin as a natural water reservoir, in the protection and preservation of the lake, preventing floods and securing water and food for future generations. To sustain its greening program, the LLDA propagates seedlings for distribution to various LGUs, partner institutions and private individuals for planting and dispersal. For 2011, around 160,000 seedlings were produced and distributed.

- **Integrated Watershed Management Program (IWMP)-Designation of 24 sub-watersheds of the Laguna de Bay Basin:** In line with the Philippine Clean Water Act, LLDA started to do the ground work to operationalized the officially designated 24 sub-Water Quality Management Areas (WQMAs) in the lake basin under the approved the implementation of the IWMP. The Silang-Santa Rosa Sub-watershed is the pilot sub-WQMA.
- **Adopt-A-River Project:** LLDA signed Memoranda of Understanding with the following: Tanduary, J and H Inc. and with Municipality of Teresa, Rizal together with seven corporations within Teresa, Rizal. — industry giants signed Memoranda of Understanding with LLDA under the LLDA Adopt-A-River Project. This initiative involves river assessment and segmentation, community profiling, information drives and motivation campaigns, establishment of eco-parks and water purification facilities. The adoptive party, in coordination with the River Council and LLDA, undertakes River Conservation Advocacy to generate active participation from various sectors within the area.

2. About NARBO activity

The name, position, phone & fax number, e-mail address of the contact person.

J. R. Nereus O.Acosta, Ph.D.

Secretary/Presidential Adviser on Environmental Protection

General Manager, LLDA

Telephone : (632) 3771922, (632) 379-2721

Email : lldaogm@llda.gov.ph

Dolora N. Nepomuceno, CESO IV

Assistant General Manager

Telephone : Landline (632) 482-2164; Mobile phone: +63908885353

Email : dollynepomuceno@yahoo.com

The organization's web-site URL (English and local language respectively)

www.llda.gov.ph

2.1 Activities your organization implemented in 2010-2011 as the member

2010

- Two (2) officers from the LLDA namely Atty. Eduardo L. Torres and Engr. Emitterio Hernandez, participated in the 4th NARBO General Meeting in

Makassar, South Sulawesi, Indonesia on November 8-12, 2010. They also attended the IWRM workshops (Leadership in IWRM, Climate Change Projection and Adaptive Management in IWRM, Water Quality for IWRM in River Basins); and the General Meeting itself during which the body reviewed the 2008-2009 NARBO Accomplishments and approved the Action Program for 2010-2012.

- LLDA actively participated in the 2010-2012 NARBO Constitutional Body/expanded Management Team composed of Chairperson, Vice-Chairpersons, Senior Advisers, Secretary General and Vice-Secretary Generals. Ms. Dolora N. Nepomuceno, Assistant General Manager of the LLDA, was installed as its Vice-Chairperson for the Philippines during the 4th General Meeting of the Network held on November 8-9, 2010 in Makassar, South Sulawesi, Indonesia. In her acceptance speech which she delivered through skype from Kyoto, Japan where she had an official mission, she extolled *NARBO's significant progress for the past six years in implementing IWRM. Due to the rapidly expanding membership, mounting challenges of even greater scale and proportions due to climate change impacts on water resources development and management, advances in capacity and effectiveness among RBOs in Asia have to be widespread and NARBO is seen as a strong and influential Network to bring and upscale IWRM to new heights to better meet the challenges of water security, and mitigate and adapt to the impacts of climate change in river basins.* In this she spoke of the pivotal role of the NARBO Management Team in making the Network as she accepted the roles/responsibilities as Vice-Chairperson for the Philippines.
- Three (3) LLDA staff participated in the On-Line Course on River Basin Management for Asian Region, a CEDDET Foundation e-Learning Program on Integrated Water Resources Management.

2011

- Participated in the 1st NARBO Management Team Meeting (MTM) on January 11-13, 2011 at the head office of Jasa Tirta I Public Corporation (the River Basin Organization for the Brantas River) in Jalan Surubaya, Malang, Indonesia. This meeting led to the articulation of the Network's set of values, standards and operating procedures, as well as the new strategic directions and way forward in expanding performance and developing leadership in IWRM and improving networking and Secretariat.
- Participated in the 1st NARBO IWRM Executive Retreat on Leadership in River Basins on June 20-22, 2011 in Malang, Indonesia; through sharing a Water Leadership Case Study Paper entitled "Financing IWRM: The Case of the Laguna de Bay Basin". This paper authored by AGM Nepomuceno dwelled on How a determined leadership leveraged RBO's mandate/functions to meet the challenges in financing IWRM to promote sustainable use of water resources by encouraging and building capacity of LGUs, River Councils and communities to actively participate in the management and protection of the Laguna de Bay Basin, and funding LGU environmental sub-projects to contribute to environmental improvement of the lake basin through the LISCOP Project which

the RBO Leader initiated and manages. This paper was shared with the water executives during the Retreat to explore keys for success and twinning partnerships.

- The first-ever NARBO International Seminar on Corporate River Basin Organizations in Asia, held on 22-24 June 2011 in Malang, Indonesia was participated in by LLDA through Ms. Catherine (Reena) Buena. She shared LLDA's experience as a corporate RBO and the benefits of "active community participation in all aspects of project planning and implementation..." and the importance of local government commitment in IWRM.
- In late 2011, LLDA confirmed its interest to take part in and made initial preparations to participate in NARBO's piloting of the Water Security Assessment (WSA) indices¹ and to estimate basin capitals in selected river basins in Asia and to showcase the results during the 2nd Asia Pacific Water Summit in May 2012. Laguna de Bay Basin for Water Security Assessment in Asia-Pacific Region. NARBO/ADB approached LLDA to include Laguna de Bay Basin in the pilot exercise. This collaboration with ADB and APWF is expected to increase the capacity of the LLDA in measuring and managing water security and opportunity to showcase our leadership among the Asia-Pacific Region.

Specifically, LLDA undertook the following preparatory steps:

- i. Creation through a Memorandum Order of a LLDA Technical Working Group to work with ADB's Mr. Koichi Takano, Water Resources Management Specialist and partly joined by Mr. Dennis Custodio, IWRM Specialist and Mr. Narciso Prudente, Research Analyst;
- ii. Planning for data retrieval and collection from within the LLDA and, if the data/information being requested are not available within LLDA, the latter shall identify which among the national/regional agencies/organizations may be accessed for these data/information.
- iii. Initial discussions with the above-named specialists from ADB on the working arrangements for the pilot WSA exercise, to be implemented in 2012.

2.2 Resolutions and expectations for NARBO activities in 2011-2012

LLDA resolves to cooperate and support all the activities of NARBO in relation to integrated water resources management and development, and if authorized by partnership

¹ The Asian Development Bank (ADB) and the Asia-Pacific Water Forum (APWF) engaged the Asian Water Development Outlook (AWDO 2011) to provide a comprehensive quantitative and analytical view of the current state of water security achieved by the countries of the Asia-Pacific Region and to guide investments, hand in hand, with improved governance to increase water security in the future through a set of indexes.

procedures, actively participate in the NARBO Management Team in whatever capacity that may be tasked

LLDA expects the NARBO to continue with the activities it started to support capacity building efforts of river basin organizations (through training, workshops, etc.). In particular, LLDA would appreciate more participants in the planned IWRM seminar-training and in various workshops/conferences on RBOs and IWRM. Further, it is desired that seminars, study visits and twinning partnerships on water pricing, water resources accounting and economic valuation, technological applications on IWRM, assessment and addressing water-related climate change impacts, among others.

LLDA hopes to stimulate cooperation through mutually reinforcing twinning programs and help countries like the Philippines, learn more about the experiences of neighboring countries in the management of water resources, and on the other hand, help in capacity building of other RBOs on IWRM aspects wherein LLDA has experiences and developed capacities.

3. Questions to RBO members (Please refer to Annex for details)

3.1 Key Areas which your organization has improved the performance in 2010-2011

- Implementation of the Environmental User Fee System
- Surface water allocation and water rights issuance including pricing of abstracted water from Laguna de Bay
- Community/stakeholders' participation
- Co-Management of Environmental and Water Resources with Local Government Units within the lake basin
- Environmental regulation and enforcement
- Development and implementation of Decision Support System anchored on IWRM principles

3.2 The way in which your organization was able to do so

Recognizing its legal mandate and functions pertaining to allocation and pricing of raw water from Laguna de Bay and other water bodies in the basin,

3.3 In what way NARBO has helped your organization

The participation of the LLDA in various workshops and other water-related activities of NARBO has greatly help the LLDA in addressing various issues and in implementing the IWRM concepts and principles in the management of Laguna de Bay basin.

The outcome of the participation of the LLDA staff in the previous series of NARBO Thematic Workshops on Water Allocation and Water Rights was a draft action plan that has become the basis to jumpstart the processing of surface water permitting system in Laguna de Bay, and with LLDA Board Resolution No 2007-338 expanding the EUFS to cover abstraction of raw water from the lake and its tributaries using a water resource fee scheme for different types of users/uses,

Annex to Nos. 3 and 4

Knowledge Networking, Capacity Development and Partnership through NARBO

The NARBO provides LLDA an important platform for knowledge networking, capacity building and partnership with counterparts and experts in Asia and beyond for a challenged River Basin Organization like the LLDA. Therefore, it is envisaged that the sharing of information, knowledge, experience and lessons learned would be in the following key areas:

Performance Benchmarking of RBOs - how does LLDA fair across similarly situated RBOs in Asia and the rest of the world? Areas for improvement/ capacity building needs:

- Benchmarking for RBO performance (international, regional, country, RBO levels)
- Proficiency certification for IWRM leadership
- Modalities for country assessments
- Toolkits for performance assessments

Roadmaps for IWRM Investments and financing mechanisms to address domestic wastewater pollution

Way forward/road map for IWRM investment planning and decision making given multiplicity of key actors in a given watershed

-Accessing fund sources for IWRM given the low borrowing and absorptive capacities

Disaster risk reduction management in the context of river basin, e.g., IT, GIS/Remote sensing technologies/applications; risk assessment , designing of DRRM, climate change adaptation strategies, etc.

IWRM Processes

- Sharing of country/RBO experiences on IWRM processes
- Template/protocols for IWRM planning & implementation

In addition, Laguna de Bay basin may be a venue for study visits, training laboratory and case studies on aforementioned tools, strategies and approaches for IWRM. Aside from IWRM seminars, workshops and training, LLDA could also participate in exchange visits or staff

exchange program (such as on-the-job training) that may be organized by NARBO and/or its affiliated organizations, e.g., on implementation of the Environmental User Fee System for RBOs intending to introduce or are about to implement their own pollution charge system.

Finally, being the only institutionalized RBO in the Philippines with a legislated Charter and existing for 40 years, LLDA's can contribute the following to NARBO and its members and to RBO counterparts: as a center of excellence on implementation of the "Environmental User Fee System"; one of the best practices on watershed co-management showcasing LLDA's approaches for financing IWRM activities; applications of the GIS-based state-of-the-art modeling tools; and Lake Environmental Action Planning (micro-watershed based, demand driven and participative process for ecological assessment, identification and prioritization of problems, issues and measures/ interventions leading towards co-implementation of environmental improvement projects with local government investment and multi-sectoral support).

NARBO Water Leaders Program

In relation to the First NARBO Management Team Meeting in Malang, Indonesia, the LLDA may participate in the succeeding NARBO Water Leaders Program for IWRM for the following levels:

- basic entry (IWRM advocate)
- Middle management (IWRM facilitator)
- Senior RBO management (IWRM leader)

and hopefully,

- Regional IWRM adviser (IWRM master or counselor)

Possible criteria are accomplishments in moving up the IWRM spiral, evidence regarding outcomes in terms of social, natural and economic capitals, and other criteria to be developed later.

8. Nurturing and Expanding Water Leadership in Asia and Beyond

As an on-line teacher of the course River Basin Management for the Asian Region of CEDDET Foundation in collaboration with the Confederation Hidrográfica del Ebro (Ebro's River Basin Authority) and the Spanish Ministry of Environment, the RBO Leader can bring the experience of the Laguna Lake Development Authority to counterpart RBOs in Asia and beyond.² It is believed that the participation of the Laguna Lake Development Authority will contribute significantly to the empowerment of other Asian RBOs on effective water resources governance. This collaboration would help expand boundaries (between organizations working in their respective

² As a result of the River Basin Study Visit in Spain in May 2010 and due to the interest manifested by NARBO and its members on the Spanish experience in river basin management, the CEDDET Foundation negotiated with the Asian Development Bank Institute to start an on-line course on River Basin Management for the Asian Region. As a pilot stage, CEDDET has decided to start the program by itself and open the opportunity to ADBI in the second edition. For the pilot run, CEDDET in collaboration with the Confederation Hidrográfica del Ebro (Ebro's River Basin Authority) and the Spanish Ministry of Environment invited the LLDA to partner with the former to collaborate in the on-line course given its experience as an RBO.

river basins; between sectors and fields of expertise and disciplines, considering that river basin management is science-based, cutting across various fields/disciplines; span administrative jurisdictions; between people across nations with different opinions, beliefs and mindsets.

Involvement in the AECEN Task Force on Environmental Compliance Assistance Centers,³ the LLDA has collaborated in the promotion of regional replication of environmental compliance assistance centers in Asia building on lessons learned from India, Philippines, Thailand, the United States and other countries. The ECAC Task Force will guide development of tools, and capture and disseminate best practices and information to enable other AECEN members to establish and operate ECACs.

The CAC is an innovative way of eliciting compliance by regulated sectors/establishments to environmental laws, regulations and standards through a system of activities, tools and technical assistance which provide clear and consistent information to the regulated sectors to enable them to initiate continuing improvements in their operations, congruent with good production practices and environment-friendly solutions. In effect, the operation of CACs is compliance promotion even as environmental regulation and enforcement continue.

Since its early beginnings in 2007, the LLDA has championed the CAC initiative in the Philippines, and later its strengthening/enhancement, merited the technical support through a grant from the USAID/ECO-ASIA and AECEN. The LLDA/Philippines' pilot Compliance Assistance Centers (CAC) for Hog/Poultry Farms and Slaughterhouses in the Laguna de Bay Region including its two dedicated websites launched in April 2008. The two CACs are managed by local industry associations representing two sectors (hog raising and slaughterhouse operations). As CAC hosts, they participate in analyzing problems in compliance and how to improve compliance; change in mindset and behavior among LLDA enforcement staff - that the industries also need assistance in compliance rather than simply enforcing regulations; increasing levels of trust between the LLDA staff and the regulated establishments; the grant assistance has provided LLDA new opportunities for industry dialogue.

The LLDA has assumed a leadership role in operationalizing the expanded NARBO work now and in the coming years within and outside the RBO. Thus, LLDA is committed to promote IWRM and improve water governance in the Laguna de Bay Basin, and through training and the exchange of information and experience with other RBOs and their associated water sector agencies and knowledge partner organizations in Asia.

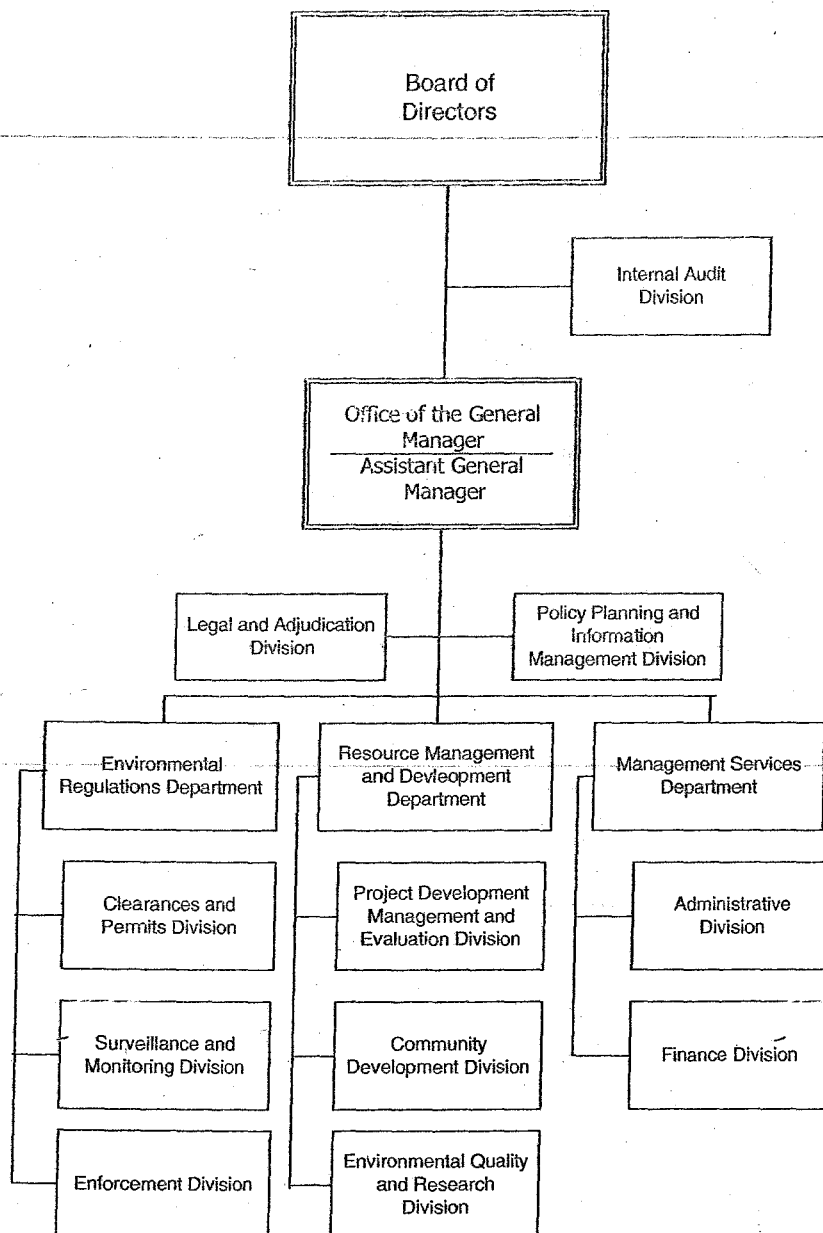
³ Building on on-going efforts to establish and replicate environmental compliance assistance centers, on October 27, 2010, AECEN member representatives from India, Philippines and Thailand established a Task Force under the auspices of AECEN at the Regional Consultation Meeting, conducted in Kolkata, India.

LAGUNA LAKE DEVELOPMENT AUTHORITY

ORGANIZATIONAL STRUCTURE

As Rationalized

2010



Approved :

JOAQUIN C. LAGONERA

Secretary

Red-Thai Binh RBO's Annual Report 2010-2011

Date of preparation: 07/12 /2012

Name of the editor: RRBO office

1. About the organization

(1) Name of the organization and postal address of the office

Red – Thai Binh River Basin Organization (RRBO)

162A Tran Quang Khai street – Hoan Kiem District – Hanoi Capital, Vietnam.

(2) The representative of the organization

<Please write the name and position of the representative>

Dr. Bui Nam Sach – Director of Water Resources Planning Institute

Head of the RRBO Office

(3) Purposes and roles of your organization

a) Historical background of the organization

The Red River Basin Organization (RRBO) is a non-profit body under the Ministry of Agriculture and Rural Development of Viet Nam.

The RRBO was established on April 9, 2001 according to the Decision No. 39/2001 by the Minister of Agriculture and Rural Development of Vietnam to implement river basin planning management in the river basin pursuant to Article 64 of the Law on Water Resources.

The RRBO officially put into operation since April 2004 when the Regulations on Organization and Operation was issued. Dr. Pham Hong Giang, former Vice Minister of Agriculture and Rural Development was the first Chairman of the RRBO. Year period 2010-2011, Prof. Dr. Dao Xuan Hoc, Vice Minister of Agriculture and Rural Development is chairman until March 2012, he has transferred.

Office of the RRBO is located at the Institute of Water Resources Planning (IWRP) at 162A Tran Quang Khai Street, Hanoi, Vietnam. Dr. Bui Nam Sach - Director of IWRP is also Head of the Office.

There are 2 sub-RBOs under the RRBO: Day Sub-RBO and Cau Sub-RBO. Day Sub-RBO (with 6 member provinces) was formed on December 1, 2005, in accordance with Decision 3365/QĐ-BNN/TCCB signed by Minister of Agriculture and Rural Development. Cau Sub-RBO (with 7 member provinces) was formed on May 11, 2006, in accordance with Decision 1363/QĐ-BNN/TCCB signed by Vice Minister of Agriculture and Rural Development.

b) Purposes and roles of the organization

RRBO was set up to implement water resources planning management in Red-Thai Binh river basin in conformity with Article 64 of the Law on Water Resources. Its tasks are to:

- Prepare and submit for approval the Red – Thai Binh River Basin Plan and monitor its implementation to ensure consistent management of the river basin plan with the administrative boundary;*
- Coordinate with relevant Ministerial, sectoral and local agencies in baseline water resources investigation, inventory preparation and assessment of the Red – Thai Binh and in preparing, submitting for approval, and monitoring the implementation of river basin plans for tributaries of the Red – Thai Binh system;*
- Propose resolution for water resources disputes in the Red–Thai Binh River Basin.*

(4) Outline of the organization

RRBO comprises about 50 members, including:

- Chairman: Vice Minister of Agriculture and Rural Development*
- Vice Chairman: Mr. Vu Van Thang, Director of Water Resources Department (MARD) and a Director of the Department of Water Resources Management of Ministry of Natural Resources and Environment (MONRE)*
- and 46 regular members from related Ministry and Provinces.*

Members are directors of relevant Departments under MARD, directors of provincial Departments of Agriculture and Rural Development (DARDs) in the Red-Thai Binh river basin, and directors of relevant departments of ministries of Natural Resources and Environment, Industries, Fishery, Construction, Transport, Health, National Defense, and General Services of Hydro-meteorology.

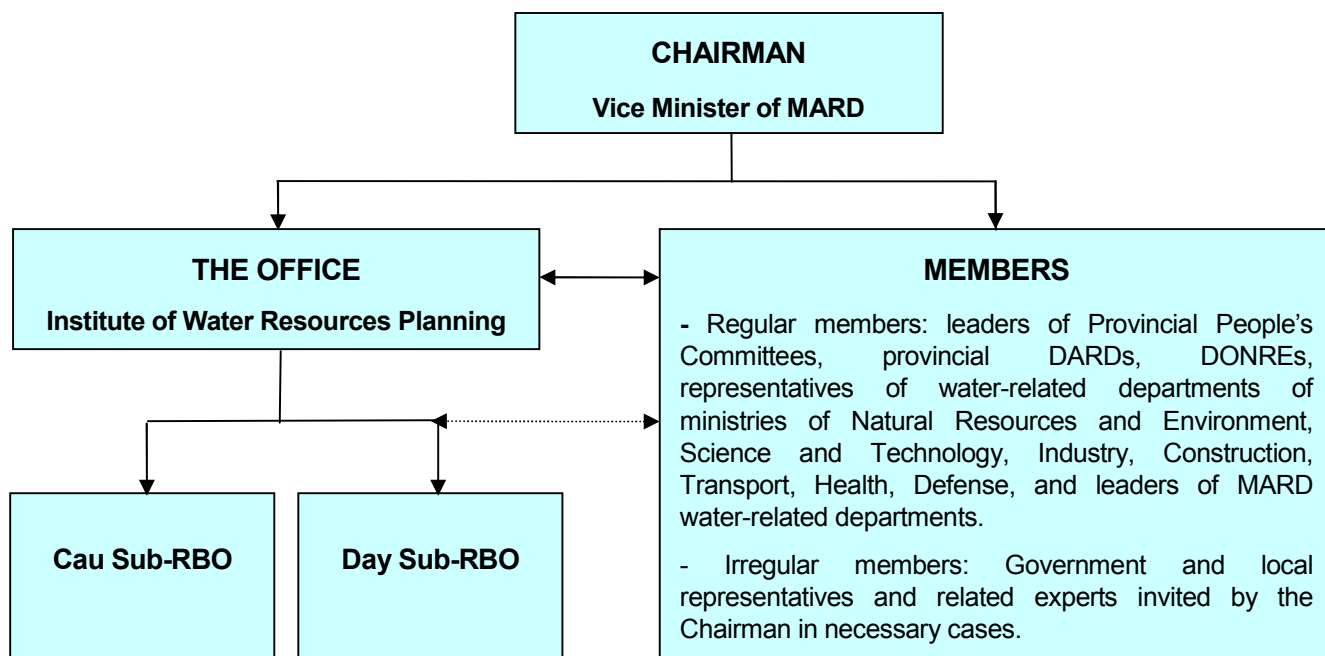
At the RRBO Office, there are 10 officers of IWRP working part-time to run daily operation.

1) Amount of the annual budget in 2011

Funds for operation of RRBO Office are provided from the State budget upon approval by the Ministry of Agriculture and Rural Development (MARD). In 2011, total operation funds provided to the RRBO were VND 800 million (including VND 517,314 million for the RRBO Office, VND 122,843 million for Day Sub-RBO; VND 103,592 million for Cau Sub-RBO). The funds were just for regular operation of the Office. Funds to implement planning projects are from various sources including central budget, provincial budget, and others.

2) Organizational chart

<Please attach the organization chart here>



3) Ongoing projects

<Please write about the ongoing projects>

- *Continue implementation and completion of the plan by the Ministry of Agriculture and Rural Development and the General Department of Water Resources Office:*

+ *Irrigation Master Plan Red – Thai Binh river in condition of climate change - rising sea levels;*

+ *Review of water resources planning for capital region;*

+ *Review for flood planning in Day River basin;*

+ *Water resources planning for Lo Gam river and Water resources planning for some local such: Son La, Bac Ninh, HaNoi, Thai Nguyen, Hoa Binh, Hung Yen, Lang Son, Cao Bang, Bac Kan, Yen Bai, ...*

+ *Evaluation Project "Water planning for Northern midland and mountainous".*

+ *Writing draft for investment in irrigation works of the local watershed to make document advising of the Ministry of Agriculture.*

(5) Main events in 2010-2011

<Please write about the main events which were held in 2010-2011 which your organization involved in>

- *Organized three field trips in the basin, namely Tuyen Quang, Ha Giang, Cao Bang, Bac Kan, Lang Son, Ninh Binh, Nam Dinh, Ha Nam, Thai Nguyen... as a regular activity to member provinces to grasp information on water resources management serving economic development, constraints in water resources river management, water-related disasters, investment portfolio in hydraulic works in 2011 and further of the provinces.*
- *Coordination with Water Resources Department and Department for Dike Management and Flood Control (MARD) in flood control activities (regular duty during June 15 - September 15 for flood forecast)*
- *Leading and coordination with the two Sub-RBOs in making water resources management plans at sub-basin level.*
- *Gathering comments of members on functions and responsibilities of the RRBO.*
- *Issuing quarterly newsletters (issues No. 30, 31, 32, 33) to inform activities of the RRBO as well as new relevant water-related regulations and provisions, and NARBO activities;*
- *Keeping the RRBO website updated to provide relevant information and facilitate information exchange among members and provinces;*

2.About NARBO activity

(1) The contact person and organization's web-site

1) The name, position, phone & fax number, e-mail address of the contact person

Mr. Nguyen Van Tuan or Ms. Pham Thanh Tu

Division for Science and Technology

Institute of Water Resources Planning - RRBO Office

Tel: 84-4-3 826 1767

Fax: 84-4-3 825 2807

E-mail: tuankyushu@yahoo.com or tu_iwrrp@yahoo.com

2) The organization's website URL (English and local language respectively)

www.rbo.org.vn (for both English and Vietnamese)

(2) Activities your organization implemented in 2010-2011 as the member

(3) Resolutions and expectations for NARBO activities in 2012

<Please refer to NARBO Action Plan 20010-2012 in the website>

1) Your organization's resolutions

<Please write about your resolutions or how your organization contribute to NARBO activities as the member>

RRBO has maintaining and will maintain a regular and close cooperation with NARBO and active participation in NARBO activities, for instance:

- Participating in NARBO activities,*
- Holding NARBO activities in collaboration with NARBO Secretariat*
- Providing resource persons for NARBO thematic workshops.*

2) Expectations of NARBO activities

<Please write about what your organization expects of NARBO activities>

- More intensive experience exchanges through study tours on river basin management for RBOs to learn experiences from other members, especially from Japan, China, Thailand,*
- Advanced training course on river IWRM and related topics for the RRBO Office and its members. Community development, analytical skills and management skills are also very important for successful IWRM.*
- Staff exchange among RBOs to stimulate experience exchanges and strengthen cooperation.*
- Capacity building for the RRBO in particular and for new RBOs in general in the field of water resources management and allocation as well as water legislations*

3. Questions to RBO members

(1) Areas which your organization has improved the performance in 2012

Participation

(2) The way in which your organization was able to do so

There is a principle set for member provinces and organizations to have voice in preparation, planning, design, and implementation of water-related project in the basin. Every project using budget funds must be agreed by stakeholders before it is invested in. Moreover, at the general meetings more times are reserved for open

discussions and questions and answers during which various issues and concerns are shared and addressed.

(3) In what way NARBO has helped your organization

Being selected as one of the RBOs for piloting the performance benchmarking tool is really helpful for RRBO to recognize its strengths and weaknesses and from that RRBO knows and plans what to do next for better performance.

Information of and opportunities to participate in NARBO activities can keep the RRBO updated with progress on IWRM in the Asia and experiences and lessons from other RBOs.

NARBO communication systems (including website, newsletter, notice, etc) is a good example for RRBO to learn and improve its own.

Member's Annual Report 2010-2011

Date of preparation: 12 / 03 /2012

Name of the editor: DOST-Secretariat

1. About the organization

Davao City HELP (Hydrology for Environment, Life and Policy) Philippines Network Inc.

Department of Science and Technology XI
Corner Friendship, Dumanlas Road, Bajada
Davao City
Philippines 8000

2. Representative of the Organization

Dr. Anthony C. Sales

DOST XI – Regional Director
HELP – Secretariat, Management Committee

3. Purposes and Roles of your Organization

a) Historical background of the organization

Formed in 2004, our efforts have focused on ensuring key stakeholders have access to sound science that can be used to better inform complex decisions and hard choices in relation to the management and wise use of water . We believe this can be achieved by enabling dialogue on existing processes, systems and services for water management.

All of our activities are delivered in collaboration with government, academe, civil society and communities and in many cases through voluntary approaches.

b) Purposes and roles of the organization

The HELP Davao Network aims to:

- a.) To conduct surveys and baseline studies in the watershed areas and institutionalize hydrologic data on all watersheds;
- b.) To establish data banks on information from hydrologic baseline studies conducted;
- c.) To promote innovative ideas on science-based information on water and watershed conservation and protection;
- d.) To facilitate attendance of water and watershed protection and advocacy groups in local

and foreign trainings, conferences, cross-visits and the like to enhance capability on water and watershed management;

- e.) To develop a model on water and watershed conservation and protection for replication by other watershed management bodies.

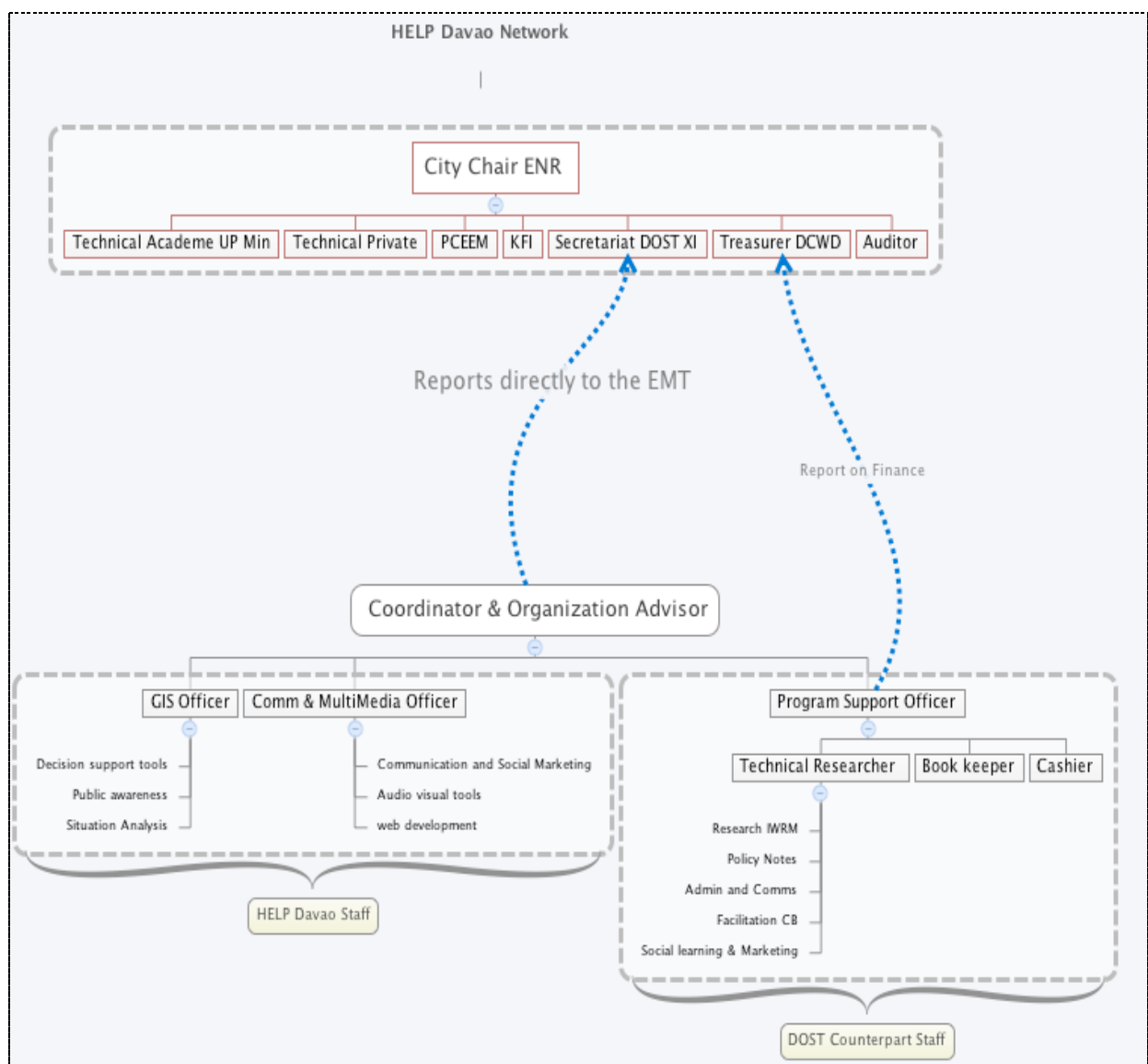
4. Outline of the organization

1) Number of staff: 3

2) Amount of the annual budget in 2011

PhP 5000.00

3) HELP Davao Network Organizational Structure



4) Ongoing projects

A collaboration of HELP Davao Network, Philippines and Rotterdam University of Applied Sciences through Mr. Rick Heikoop. Interns in the person of Mr. Vincent Oskam and Mr. Sean Ligtvoet, are now pursuing studies for water balance in Davao City, specifically working on flood risk reduction in urban areas using urban development and spatial planning. As part of the internship they are expected to develop an economical water treatment design for the region and a science-based tool hydrologic model.

5. Main events in 2011

August 2011

Davao International Water Symposium - *A 3 day event, including public launching of first IWRM Training Manual high level discussions with key water leaders, International training symposium with invited speakers from UNESCO, NARBO, and UNICEF.*

July 2011

Community Led Total Sanitation Program in Upland Communities: *In partnership with an NGO- Catholic Relief Services, civil society - Kinaiyahan Foundation Inc., London School of Hygiene and Tropical Medicine students, marginal upland of indigenous people communities in Davao and Bukidnon were considered for a study on water and health issues.*

June 2011

Technical Write Shop : *First review of the draft customised IWRM Training Manual for Davao City and Region.*

March 2011

Outlining a road map for action on water - *An Action planning workshop for the blue environment.*

May 2011

Validating the IWRM Manual - *A local training workshop to validate modules and case studies.*

About NARBO activity

- 1) The name, position, phone & fax number, e-mail address of the contact person

Declan Hearne

Project Coordinator

HELP Davao Network

dhearne76@gmail.com

- 2) The organization's website URL (English and local language respectively)

<http://helpdavao.blogspot.com/>

- 3) Activities your **organization implemented in 2010-2011** as the member

Through the technical Writeshop , the ff: **objectives** were attained:

1. Stakeholders are oriented on the content of the draft IWRM Manual;
2. Participatory review of the 12 key learning modules for the IWRM Manual;
3. Stakeholders have given constructive feedback on the structure, content, flow and effectiveness of the modules and the learning activities in the draft manual.

- 4) **Resolutions and expectations** for NARBO activities in 2012

HELP Davao Network's contribution to NARBO activities:

a) Advocacy, Raising Awareness and Exchange of Information and Good Practice of IWRM

- a. Develop, maintain and update the HELP Davao Network website on a regular basis;
- b. Conduct of study tour around Davao River basin, general meeting among members and International Symposium on Water Resource Management and Hydro-hazards.

b) Capacity Building in Davao River Basin

- a. IWRM training program through technical writeshop for IWRM modules preparation and workshop on IWRM with focus on resilience and disaster preparedness.

c) Network Support

- a. Knowledge networking which facilitates and supports knowledge on Davao River basin through promotion support of National Economic and Development Authority XI by endorsing IWRM manuals.

Baselines

