ICWRMIP SUB COMPONENT 2.3

INTEGRATED CITARUM WATER RESOURCES MANAGEMENT & INVESTMENT PROGRAM
Support for Community and CSO Driven Initiatives for Improved Water Supply and Sanitation

Wilfried H. Purba
Director of Environment Health, Directorate General of Disease Control and Environment Health
Ministry of Health
Indonesia

Fifth Regional Workshop
Safe Use of Wastewater in Agriculture
5-7 March 2013
Bali, Indonesia
• Indonesia river at glance
• Integrated Citarum Water Resources Management Investment Program
• Program objectives - activities
• Community-Based Total Sanitation
• Lessons Learned
• Indonesia has at least 5,590 river and 65,017 tributaries

• Total length of the river almost 94,573 km with a broad river basin reached 1,512.466 km²

• Ten major rivers in Indonesia (Ciliwung, Cisadane, Citanduy, Bengawan Solo, Progo, Kampar, Batanghari, Musi, Barito, Mamasa/Saddang River)

• Three rivers considered as national strategic river (Citarum, Siak and Brantas River)
Nearly 70% of the rivers in Indonesia are polluted (ISSDP, 2008)

Factors contributing to river’s condition deteriorating:
- Changes in land use
- Population growth
- Lack of public awareness of river basin conservation
- Pollution caused by erosion of critical land, industrial waste, household waste, AGRICULTURAL WASTE
CITARUM AT GLANCE

The biggest and the longest river in West Java Province

Catchment Area: **6.614 Km^2**

Population along the river 10 million (50% Urban)

Total population in the basin: **15,303,758** (50% Urban) (Data BPS 2009)

Supplies water for 80% of Jakarta citizens (16 m^3/s)

Irrigation area: **300,000** Ha
Electricity output: **1.400 Mwatt**

Citarum covers: **9 districts**
(7) Kab. Subang, (8) Kab. Indramayu, and
(9) Kab. Sumedang

and **3 cities:**
(1) Kota Bekasi, (2) Kota Bandung, and (3) Kota Cimahi
# CITARUM - ICWRMIP

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CHALLENGE & OPPORTUNITIES

The Government and Community Working Together for Clean, Healthy, and Productive Catchment Areas and Rivers, Bringing Sustainable Benefit to All People of Citarum River Basin

EXPECTED IMPACT

Poverty, health and livelihood in the region Citarum improved significantly in 2023
VISION:
The Government and Community Working Together for Clean, Healthy, and Productive Catchment Areas and Rivers, Bringing Sustainable Benefit to All People of Citarum River Basin

Main Key Areas
- Institutional and Planning IWRM
- Development and Management of Water Resources
- Distribution and Use of Water
- Environmental Protection
- Disaster Management

Supporting Key Areas
- Community Empowerment
- Data and Information
CHALLENGES & OPPORTUNITIES

CHALLENGES

• Coordination among sectors (inter-and-intra sectors)
• Improving physical condition
• Become priority national program

OPPORTUNITIES

• Integrated approach
• Multi-stakeholders
• Community participation and empowerment
Support for Community and CSO Driven Initiatives for Improved Water Supply and Sanitation

Photo by: Ng Swan Ti/Doc Cita-Citarum
In 2006, Indonesia has lost IDR 58 Trillions (2.3% from GDP Indonesia) due to water and sanitation problem related.

Air Bersih Buruk, Kompas 22 Januari 2010
Studi The Water and Sanitasi Programe (WSP) dan Bappenas, 2008
PROGRAM OBJECTIVES

OBJECTIVE
To improve public health, reduce waterborne disease in communities around Citarum watershed and along WTC, through the improvement of drinking water, sanitation and hygienic behavior.

APPROACH
Community-Based Total Sanitation (CBTS) according to the processes developed in the ongoing projects (PAMSIMAS, WSLIC-2, CWSHP and SANIMAS), cooperating with NGOs.
MAIN ACTIVITIES

1. Community Empowerment.
2. Improvement of hygiene and sanitation behaviors.
3. The improvement of the access to water and sanitation.
4. Management of institution in supporting the activities.

INDICATOR AND PROGRAM IMPACT

1. The improvement of hygiene behavior and public sanitation around Citarum river basin and WTC.
2. The improvement of the access to water and sanitation in ICWRMIP area.
3. Decrease of the disease caused by water and sanitation.
1. Advocacy and socialization.

2. Capacity building of functionaries and communities

3. Triggers in the village.

4. The improvement to the water and sanitation access.

5. The strengthening of supporting institution in district/city, sub district and village.
PROJECT LOCATION

TARGET

The communities around Citarum watershed and West Tarum Canal Program location: Kota Bekasi, Kabupaten Bekasi and Kabupaten Karawang (three districts in the West Java Province)

- 84,704 beneficiaries
- 15 villages
- 3 districts
Community-Based Total Sanitation

- CBTS is the approach to change the hygiene and sanitation behaviors through community empowerment with the triggers method (Community Led Total Sanitation).

- Had been achieved **11.165 STBM villages** up to 2012
**Outcome:**
The decrease of diarrhea and other disease related to water and sanitation

**Output:**
The improvement of hygienic sanitation development through demand & supply approach

**Pillar 1:** Stop BABS (Open defecation)

**Pillar 2:** CTPS (washes hand with soap)

**Pillar 3:** PAM-RT (domestic drinking water management)

**Pillar 4:** Domestic waste management

**Pillar 5:** Domestic waste water management

**Basic components of CBTS:**
1. Behavior changes
2. The improvement of the access to sustainable sanitation
3. Sustainable community-based management
4. Institutional support to the community (enabling environment)
If people:

- Do not feel sanitation is important (people do not need sanitation facilities)
- Do not feel as part of planning and development process since beginning
- Are not well-trained
- Are not willing to contribute for investment (operation & maintenance), then

DEVELOPMENT OF DRINKING, CLEAN WATERS AND SANITATION SHALL BE USELESS. THEN WE NEED:

- To improve awareness importance of drinking & clean water and sanitation that shall bring up the need and demand
- Communities involvement in the entire phases of development shall maintain the sustainability of facilities
- Training to the communities shall allow them to be able to manage the facilities properly
• By the end of 2012, sanitation and clean water in 15 villages along the West Tarum Canal (Bekasi City, Bekasi District and Karawang District) have been improved.

• In 2013, ICWRMIP SC 2.3 will improve sanitation and clean water in 10 new villages (Bandung District, Bekasi District and Karawang District)
”The Government and Community Working Together for Clean, Healthy, and Productive Catchment and Rivers, Bringing Sustainable Benefit to All People of Citarum River Basin”