

20TH HIGH-LEVEL EXPERTS AND LEADERS PANEL (HELP) MEETING ON WATER AND DISASTERS

IMPLEMENTATION OF IWRM IN NETWORK OF ASIAN RIVER BASIN ORGANIZATIONS (NARBO) ACTIVITIES

CHAIR OF NETWORK OF ASIAN RIVER BASIN ORGANIZATIONS (NARBO)
DR. IMAM SANTOSO



Bali, November 10th , 2022

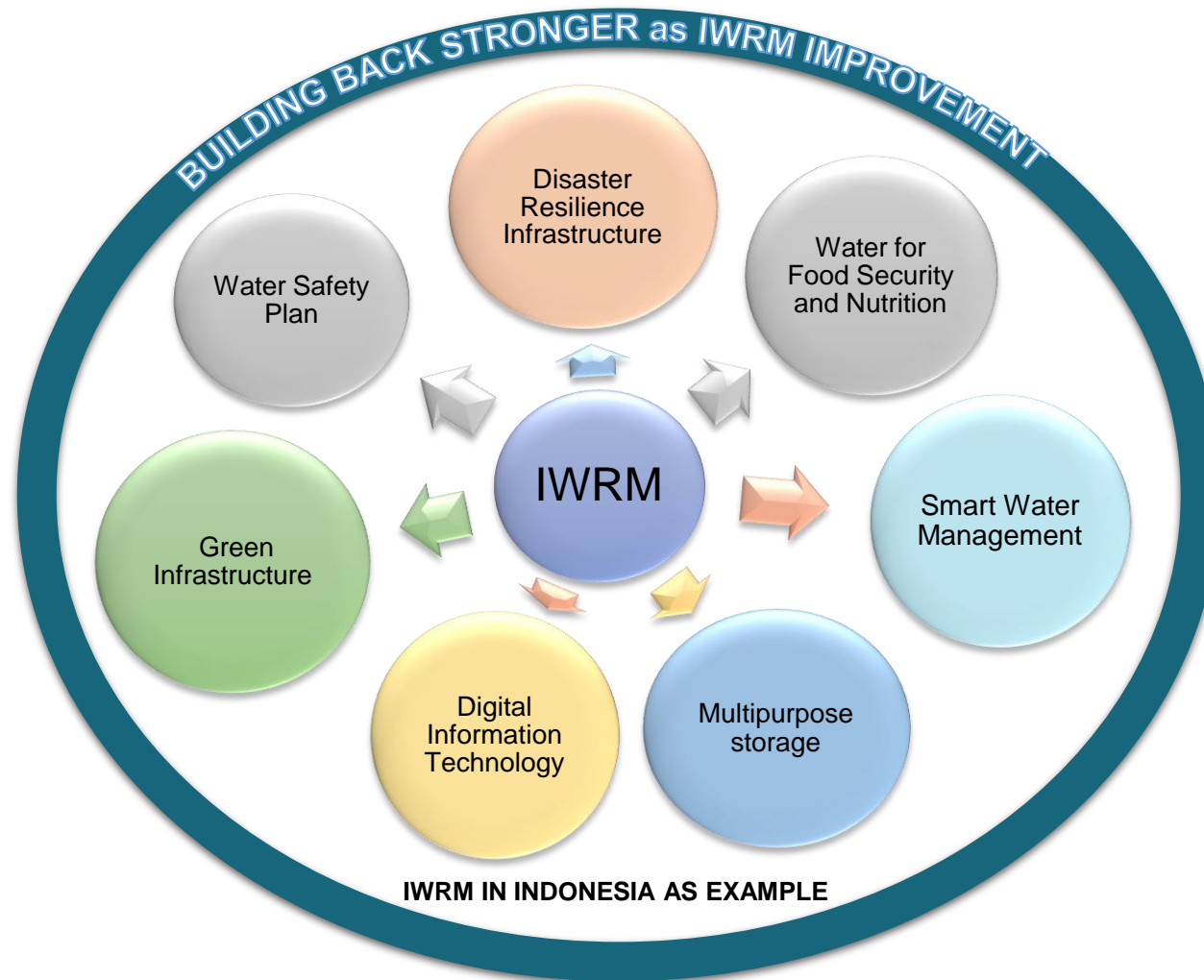


WATER SECURITY

- **Water security is fundamental to human lives, society, and economic activities in several aspects, including livelihood, health, food, energy, environment, and resilience against water-induced disasters;**
- **More than 75% of the 49 countries or regions in Asia and the Pacific are seriously exposed to imminent water constraints**



INTEGRATED WATER RESOURCES MANAGEMENT (IWRM)



1. IWRM approach is needed to reach across sectors and jurisdictions as well as coordination within a sector;
2. IWRM concept is based on sound principles and is a vital requirement for water governance;
3. IWRM boosts water security by helping leaders break through the deadlock, spanning boundaries, and creating a positive nexus among water, food, and energy security

IWRM APPROACH

1 Better understand the basin profile and pay attention to its weaknesses and threats

2 Define priority and/or demonstrative actions that can be carried out immediately

3 Build implementable steps to address the most urgent issues and Formulate a strategic road map for improving water governance to proceed with IWRM

Network of Asian River Basin Organizations



Announced at the 3rd World Water Forum in March 2003

Officially established in February 2004

Have members 94 institution from 19 countries

The goal of NARBO is to help achieve IWRM in river basins throughout Asia

NARBO OVERVIEW

The action program was divided into three categories:

- 1 Advocacy, Raising Awareness, and Exchange of Information and Good Practices on IWRM;
- 2 Capacity Building in River Basin Organizations (RBOs);
- 3 Network Support. Since NARBO is a network organization, members' contribution is highly required.

In facing the threats of climate change and water disaster, NARBO will strive for:

- 1 Infusing the spirit of IWRM;
- 2 Benchmarking of IWRM Process;
- 3 Climate change as emerging river basin issues.

SUCCESS STORY AT CITARUM RIVER

Citarum River the longest river in West Java Province is 297 Km with through 13 Cities/Regions.
The Main problem is Heavy Contaminants Water Quality



BEFORE (2018)



AFTER (2021)

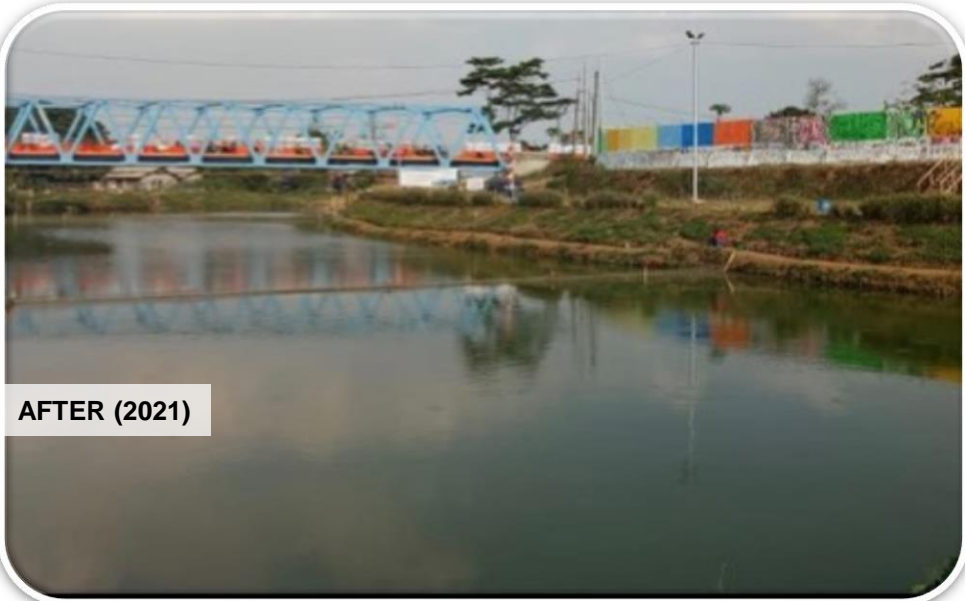


SUCCESS STORY AT CITARUM RIVER



BEFORE (2018)

The Citarum Harum Program with a new paradigm and integration of cross-sectoral, water management and green environmental which were carried out 85 activities to solve the problem of Citarum River.



AFTER (2021)

ULTIMATE GOALS

2030 : Water Quality Grade II IKA equivalent 70

Water can be used for water recreation, freshwater fish farming, irrigating plants, or other designations that require the good water quality.

Initial Conditions Of 2018

Heavy Contaminants
Water Quality Index
33,43 Points

Achievement Of 2021

Mild Contaminant
Water Quality Index
55 Points

Ultimate Target 2030

Lightly Contaminant
Water Quality Index
70 Points

STRATEGIC POLICY

KNOWLEDGE POWER

Universities and research institution as centre for Research and Fundamental Projects Ideas to support Citarum

CENTER OF EXCELLENCE

- Center of Excellence for innovative products.
- Business is not solely profit oriented but encourages the economy of the community which is still lacking.
- CSR SOE Forum

COMMUNICATION POWER

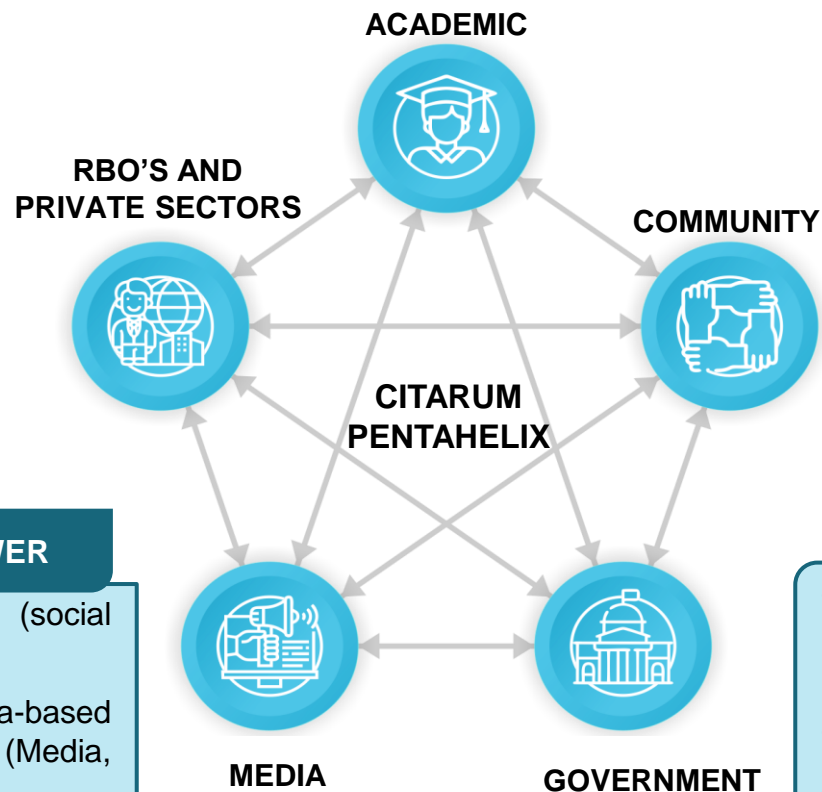
- Millennial Advantage (social media)
- AI Platform as a media-based Educational Facility (Media, Audio Visual, Online)

SOCIAL POWER

Attracting communities and creative community associations to socialize the Citarum Handling Program and Disaster Mitigation to the wider community

POLITICAL POWER

- Policy formulation through decisions involving all stakeholders
- Environmental law enforcement
- Reward and Punishment





THANK YOU

 **NARBO**
Network of Asian River Basin Organizations