

Institutional Fragmentation in The River Basin as a Consequence of Foreign Aid Intervention

Case Study Citarum River, Indonesia

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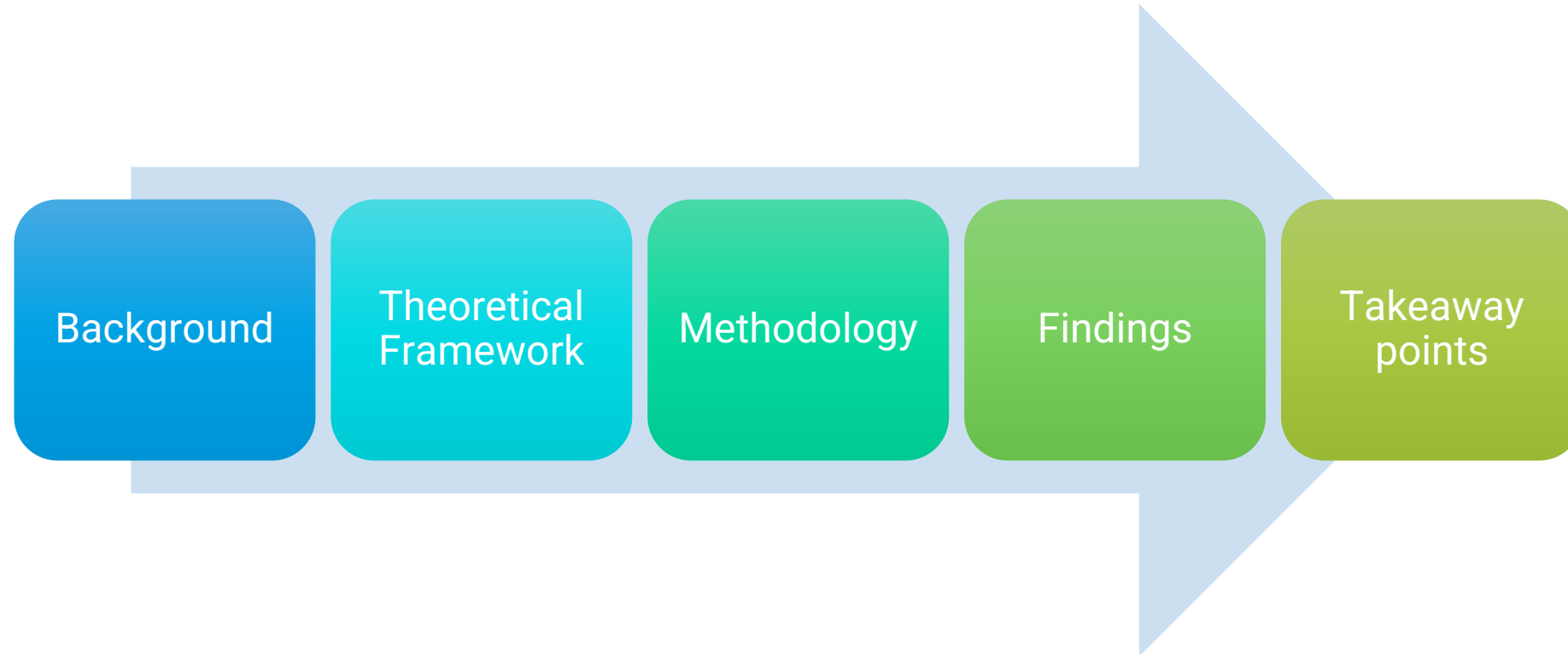


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Presentation Structure



Background

- a. IWRM is widely promoted through foreign aid projects
- b. Growing criticism that IWRM is not compatible to various political economy settings, mainly in the river basin
- c. Indonesia had a large-scale, long-term pilot IWRM project in Citarum River, it was terminated midway and taken over by the government.
- d. Mismatch between the scale of the project and governance capacity, mainly institutional capacity due to decentralisation and fragmentation

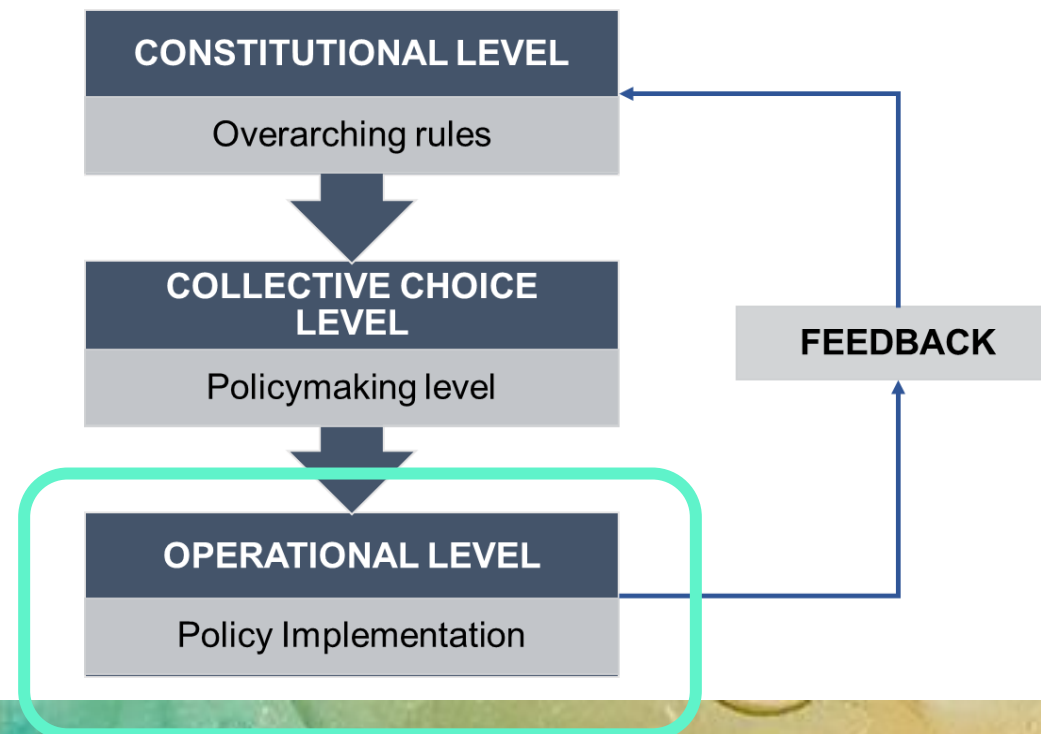


- Citarum received a massive amount of foreign aid as a part of Indonesia's water governance reform (2008-2015)
- Citarum Rehabilitation Project (ICWRMIP) is a laboratory of IWRM implementation in Indonesia, powered by ADB and World Bank loans (USD 500 million)



Theoretical Framework: Institutional Analysis and Development (IAD)

- Objective: examining the institution's structural strength in managing costs and incentives



Methodology

1. Single case study:
Citarum River, West Java
 - a. 297 kms of length, 20-million population
 - b. About 300 big manufactures
 - c. National and international significance

Operational level observation

- desalination, drinking water, reclamation, irrigation water conservation, imported pipe water, rainfall tank, rainstorm harvesting, or groundwater bores (Mankad & Tapsuwan, 2011; Moglia et al., 2011).



Citarum River Basin : GIS

ASEAN BEAT

Indonesia's Citarum: The World's Most Polluted River

By [Dikanaya Tarahita](#) and [Muhammad Zulfikar Rakhmat](#)

April 28, 2018



Suratmo, a fisherman living on the banks of the Citarum River, could only laugh softly when asked about his catch today. He replied that he could no longer be called a fisherman. For the last five years, his income has no longer come from catching fish, but fishing used items such as glass bottles from the mountains of garbage in what is often called the world's most polluted river. Yes, Suratmo can no longer be called a fisherman — he is now a garbage collector.

Every day, no less than 20,000 tons of waste and 340,000 tons of wastewater, mostly from 2,000 textile factories, are [disposed](#)



Data collection

Documentary studies

- Donor reports (ADB, JICA, The World Bank)
- Government Policy documents

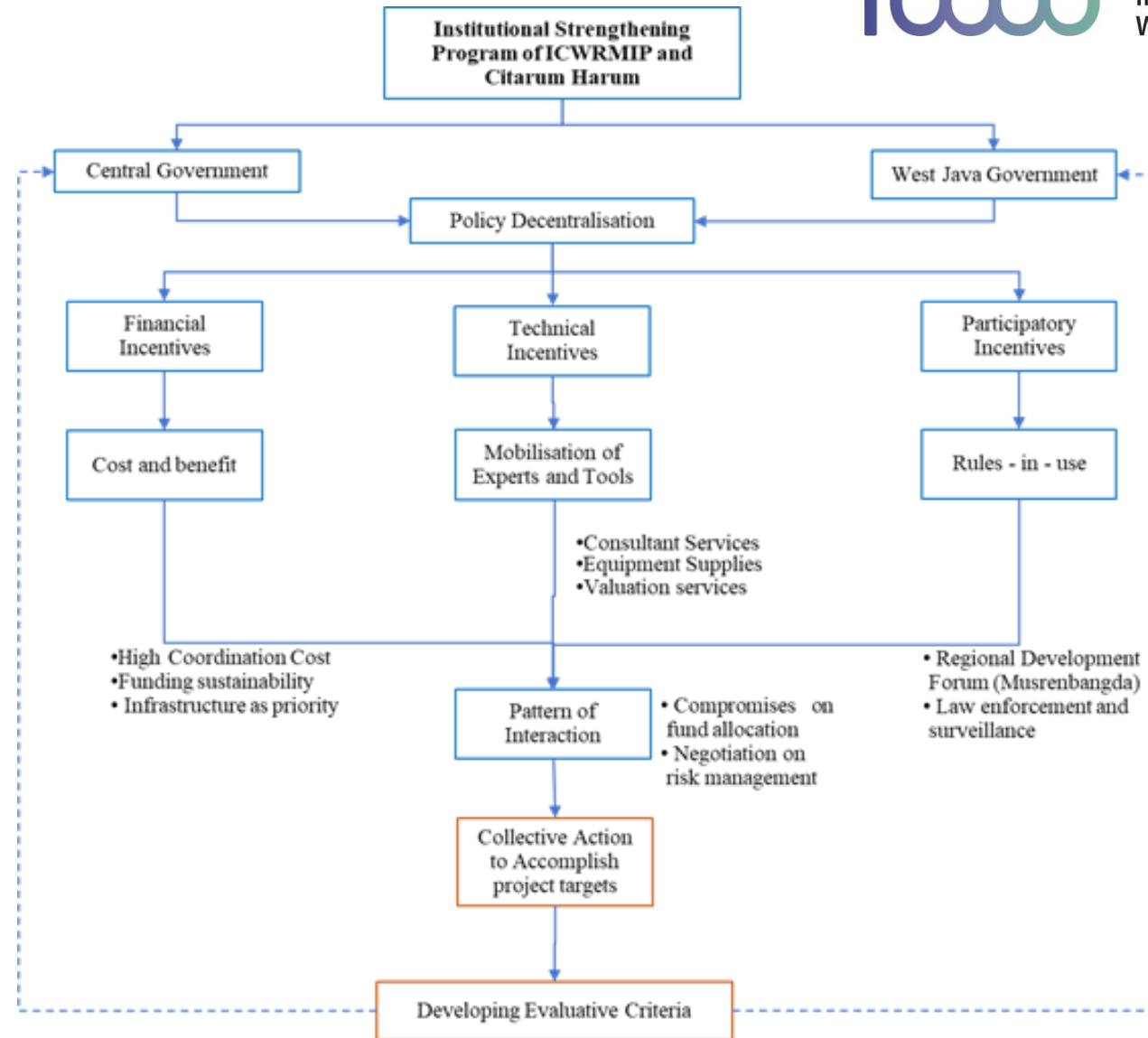
Interview

- Online (ADB, USAID, The World Bank)
- On Site (consultants, irrigation councils, Citarum Task Force, West Java Water councils, river patrol, armed forces (Kodam III Siliwangi), local environmental advocates, farmers' associations)



Findings (1)

- Fragmented decentralisation



Findings (2) Dividing the cost

- Cost of the materials
- Cost of coordination
- Cost of institutionalisation



- Aid effectiveness
- Aid selectivity

COORDINATION

- Civil vs military
- Involving village enterprises
- Regional development forum
- Budgeting politics
- Root cause: multiple development plan

INSTITUTIONALISATION

1. Formalising traditional institutions
2. Legal-formal challenges
3. Developing accountability
4. Developing feedback pathways



Citarum River in Indonesia is polluted as only 47 percent of the nearby industries treat their water while the rest dispose of it unprocessed into the river. Other sewage also comes from households, livestock, fishery, and agricultural waste. Image credit: Jordi Bernabeu Farrús/Flickr





Key takeaways

1. The deepening military intervention has changed the collaboration patterns among government officials and the social organisations in general.
2. Dilemma between participatory approaches and aid effectivity
3. More coordination cost hampers collective consensus on how to manage the water resources in the river basin and the land management as well.
4. Re-Centralisation is inevitable

Further research

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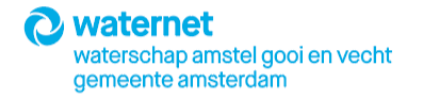
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