Water quality policies in the Brantas River Basin, Indonesia

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Maurits represents the consortium working on this project.

TUDelft Delft University of Technology Challenge the future



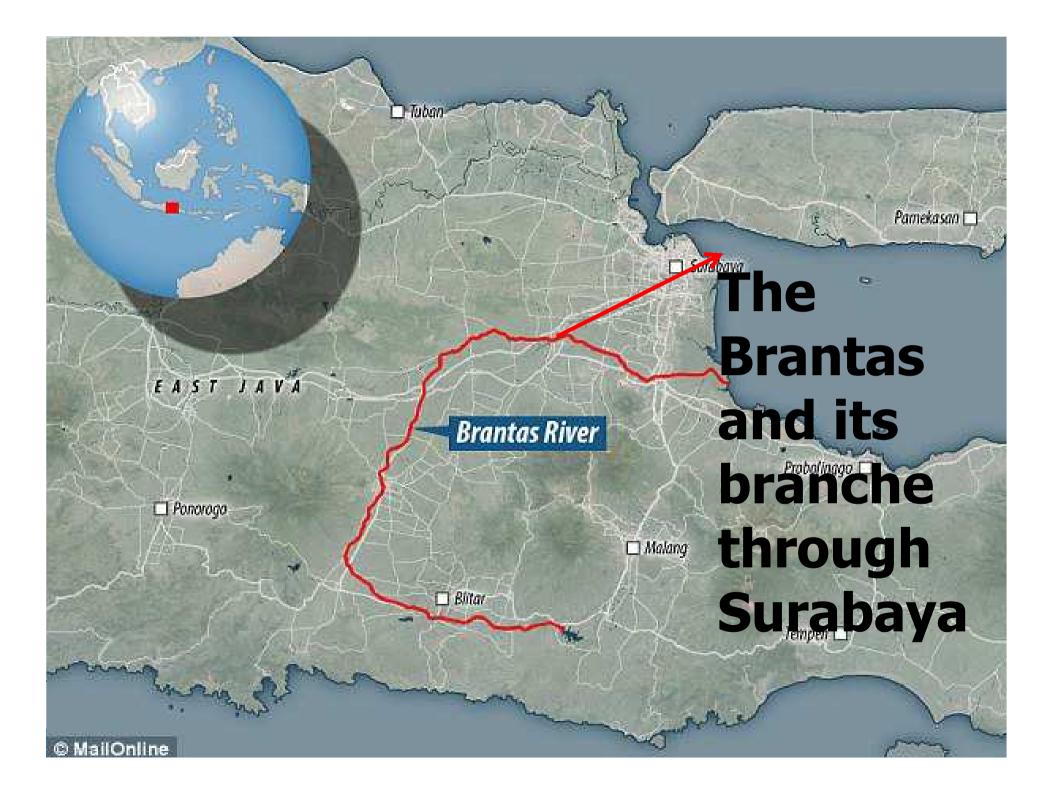
The project strengthens focus on water quality within Indonesian river basin management. A public-private capacity-building program mobilizes stakeholders to develop integrated water resources management, supported by

- innovative community conservation initiatives,
- strong cooperation among CSOs, local government and private entities,
- Dutch expertise on good governance, hydrology and water quality.

The project promotes inclusive growth, public health, and socio-economic and gender equity.







The Brantas: source

<text>



Moving downstream along the Brantas: one of many dams





Moving downstream along the Brantas: one of many factory outlets



Moving downstream along the Brantas: diverting to the Surabaya area



Along the Brantas in Surabaya: drinking water intake

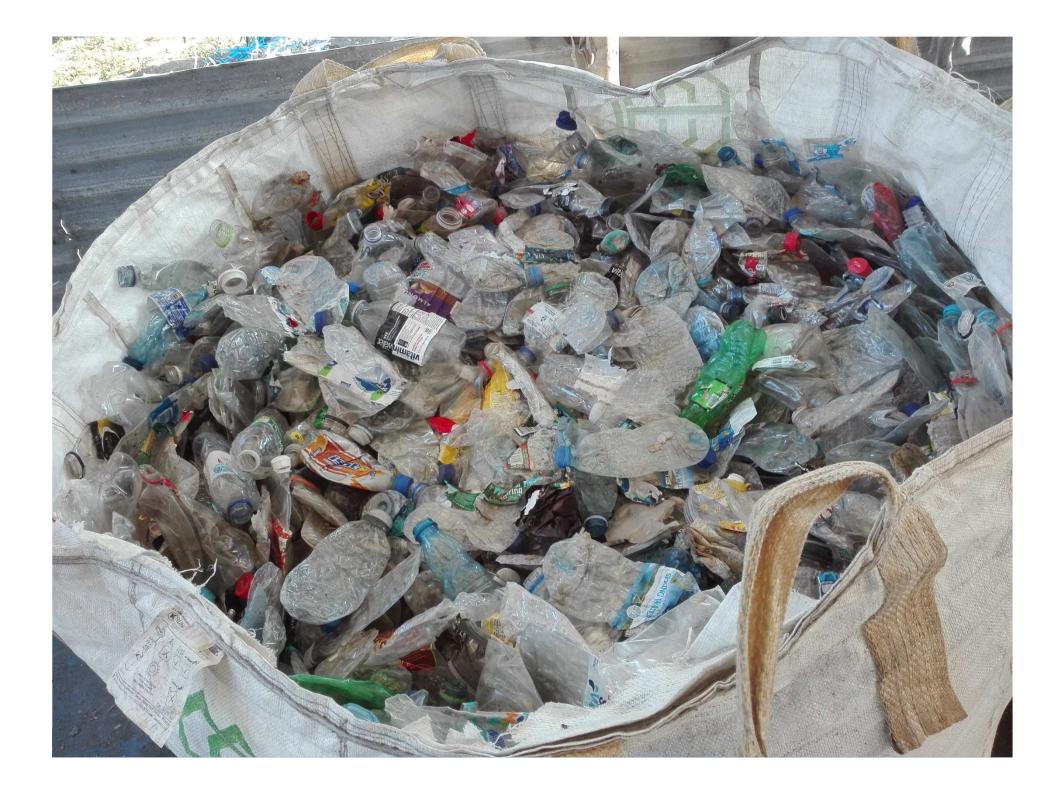






Waste and work along the Brantas in Surabaya

Waste and work along the Brantas in Surabaya

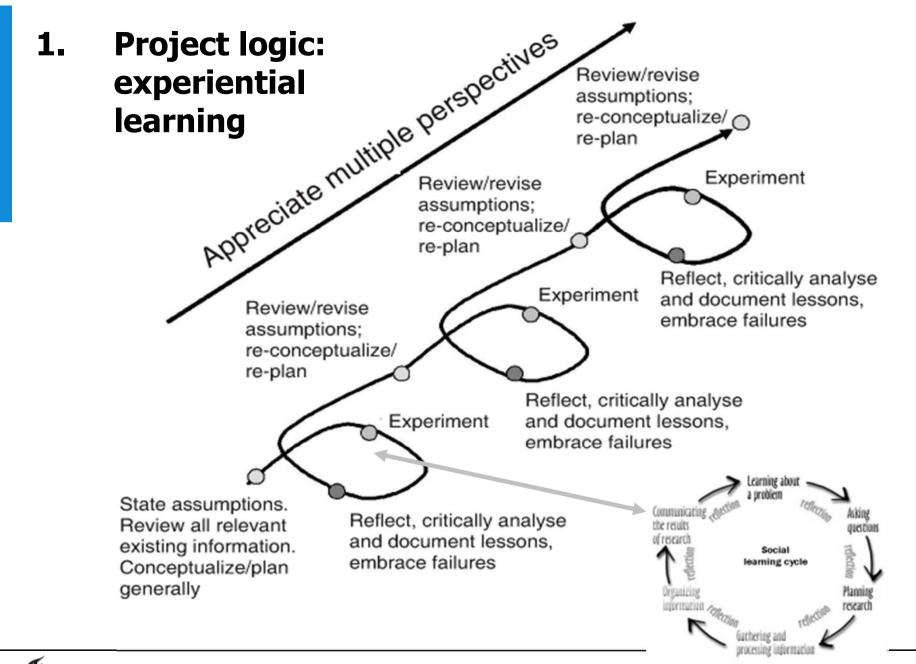


Downstream in the Brantas in Surabaya

The project

- 1. Project logic: experiential learning
- 2. Project underpinnings: some recent Delft-WRM research
- 3. Two issues to experience





TUDelft



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Example: Experiential learning by measuring together

IBLE MEASURING TAPE

2. Project underpinnings: some recent Delft-WRM research

4 recent publications (1 paper, 3 PhD's)

Discussing issues of:

- Planning for interventions and surprise
- Social learning
- Supporting exchanges on desired futures
- Understanding processes of expertise supporting policies





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Towards systematic planning of small-scale hydrological intervention-based research

Kharis Erasta Reza Pramana and Maurits Willem Ertsen

Water Resources Section, Faculty of Civil Engineering and Geosciences, Defit University of Technology, the Netherlands



Reza Pramana



Tom Raadgever

Does collaboration enhance learning?

The challenge of learning from collaborative water management research



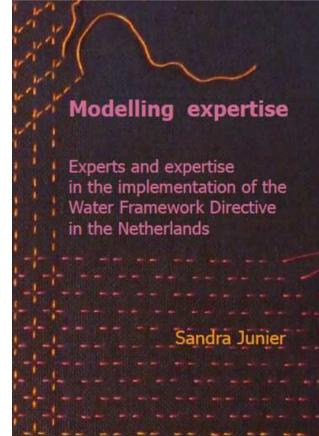
Visualising ideas of water infrastructure design



Martine Poolman

Sandra Junier







3. Two issues to experience

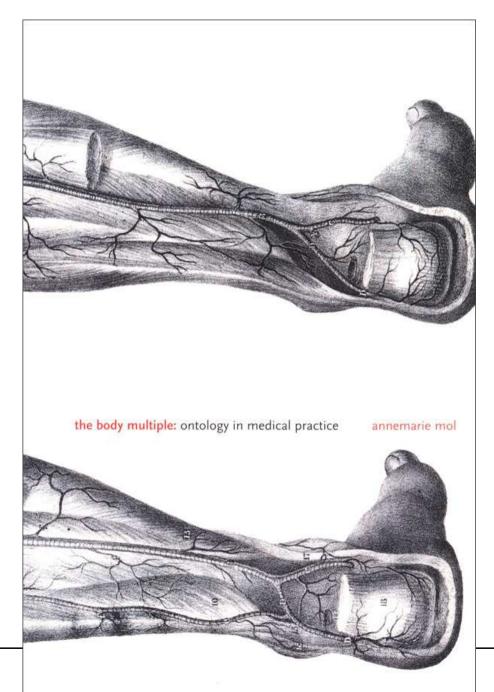
The project logic is to connect practical experiences to start discussions, designs for change and actions

Two experiences from all:

- 1. Monitoring the river: three project partners measure, but not necessarily the same in terms of locations, procedures, planning, etcetera
- 2. Overlapping responsibilities: three project partners have shared, but not necessarily the same items to deal with, to act upon and to be accountable for



Please note: it is not necessarily wrong that ontological differences in terms of observing societal settings exist (compare with Mol 2002), but it might be useful to know, to see whether changes are indeed needed.





Supporting policies for water quality management: issues of connected agents

- 1. The river connects different (communities of) users.
- 2. This may be noticed or not by those communities or others.
- 3. Different institutions may not measure the same Brantas river.
- 4. What type(s) of measurement(s) produce(s) which Brantas river?
- 5. What to select: point pollution from industries or distributed pollution from households?
- 6. What to prefer: small-scale or large-scale re-use industries?
- 7. How does environmental policy elsewhere produce pollution in (other parts of) the Brantas region?



