

# An integrated approach for measuring landscape values to support adaptive management

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## Challenge

River works do not only change the morphological and ecological conditions of a river system, but also the visual landscape and how people use it. It can be challenging for river managers to consider landscape values, as they are usually not part of monitoring or assessment frameworks. We surveyed local residents and (recreational) users to set up a participatory monitoring project for the river Waal.

## Innovative components

- Integrated approach for measuring landscape values to support participatory monitoring and adaptive management.
- International case comparison of methods and approaches for integrating place-based landscape values in river management and planning.
- Communication as integral part of the research project including newsletters, social media and brochures.

## For whom and where?

Any program/researcher/professional who is interested in inclusive river planning or management.

## Application development and findings

Our study was part of the five-year collaborative monitoring project WaalSamen. Our main lessons learned:

- Co-designing the research with stakeholders results in timely and useful information on public perceptions of the river Waal (before and after the construction of the dams).
- Participatory monitoring with recreational anglers can contribute to fish monitoring and adaptive management.
- Including a wide range of stakeholders in monitoring and management brings several benefits: efficiency (time and costs), social learning, and fun!

## Status for day-to-day practice

Use of approaches and indicators to assess and monitor landscape values and preferences of local stakeholders.

## Next steps

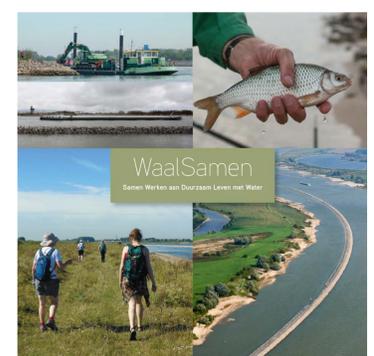
Contribute to the integral report for the evaluation of the pilot 'longitudinal dams in the river Waal' for Rijkswaterstaat.



WaalSamen meetings to discuss the progress and plans for monitoring the effects of the longitudinal dams in the river Waal.



Innovative components of our approach



Brochures on WaalSamen and research findings.

## Interested?

Email to: [lauraverbrugge1@gmail.com](mailto:lauraverbrugge1@gmail.com)  
Explore more in the [Public participation project description](#)

