

Co-designing local water resources management with stakeholders

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The concept of Integrated Water Resources Management (IWRM) was first proposed in the 1990s, during an increasing worldwide environmental awareness, and has been recognized as a fundamental principle for comprehensive water resources management, involving various sectors and many stakeholders. However, IWRM implementation in local communities and effective assessment of the influence of human activities on the water environment is yet challenging. Therefore, this study aims to present water resources management at the local level, which is the foundation of IWRM, to be a social implemented, and to develop the knowledge structure and ability for implementing this management among the concerned parties. In particular, we considers a management structure that reflects the relationship among various water users. Based on this specific content and the necessary conditions for establishing the management structure, this study aims to suggest desirable local water resources management guidelines through co-operation between science and society.

Keywords: collaborative actions with stakeholders, Local water resources management, Social learning