

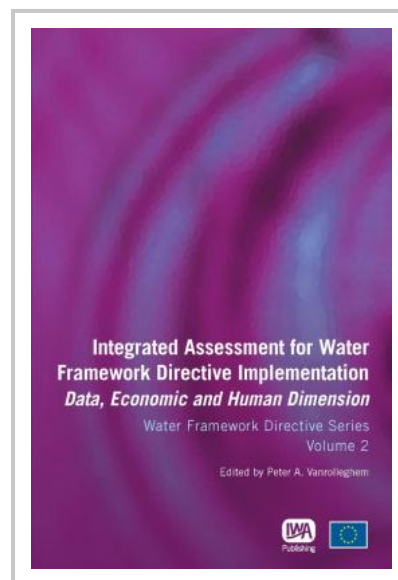
Integrated Assessment for Water Framework Directive Implementation: Data, Economic and Human Dimension

Editor(s): Peter A Vanrolleghem

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Implementing the comprehensive Water Framework Directive requires a thorough planning process that consists of several consecutive steps. The least one can say is that it is a challenging task which needs appropriate ICT tools that are able to cope with the complexity of the water system and this planning process. Integrated assessment, participatory processes and the science-policy interface are one of the newer elements in this overall implementation process that have developed greatly thanks to the WFD. Economic methods, models and instruments are integrative to the WFD implementation as well, with such concepts as cost recovery of water resources being central to debate with stakeholders. Economic valuation of natural resources (willingness-to-pay, willingness-to-accept, ...) should get sufficient attention and the human dimension (perception, needs, wants, values and behaviours) should be incorporated in the modelling frameworks for decision-making. In the same line there is also a human dimension to the use of models: how do non-modellers, such as managers, policy-makers, other stakeholders feel about models and their use in their day-to-day activities. And finally, this volume deals with the large issue of data: its quality, availability and, not to forget, accessibility. And can we use data both for monitoring purposes (surveillance, operational and investigative in the WFD context) and for modelling. Is there a synergy to be found?



These tasks, the underlying concepts, methods, tools and procedures are the subject of this volume.

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Publication Date: 14/08/2010

ISBN13: 9781843393269

eISBN: 9781780401478

Pages: 352

Print:

Standard price: £101 / €126 / \$152

Member price: £76 / €95 / \$114

eBook:

Standard price: £101 / €126 / \$152

Member price: £76 / €95 / \$114