

# Ecological Informatics Applications in Water Management



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*Abstract book*

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## **Concepts for a new Flemish water management information system**

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In Flanders, different authorities and administrations have responsibilities related to water management and the related research is mainly performed by different (scientific) governmental institutions, universities and consultancy companies. By dividing these responsibilities and spreading the research activities, knowledge and data, including the relational databases on water systems in Flanders, are managed by different authorities and an integrated overview on the available activities and data resources is missing.

To make an inventory of the scientific research, the water system knowledge and retrieving the gaps and priorities for new research, there is a need to create an integrated survey of the completed, the running and the planned research related to water systems. Supplementary, there is a need for an area and theme orientated survey of all the generated data outputs concerning water, also the data resources which are not included in reports.

Therefore the 'Databank WaterSysteemKennis' (DWSK) is started up. The aim of the DWSK is creating a continuously updated meta-database. The other aim of the DWSK is offering a survey of which data are and will be collected in Flanders. Via the DWSK it has to be possible to check the availability of research data concerning certain themes or research domains.

By making data available and generating a continuous integrated geographical survey on water related research, the DWSK will probably have an interesting added value for institutes and authorities involved in water management.