

Ecological Informatics Applications in Water Management



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Abstract book

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A river habitat simulation model for quantification of ecological effects of low discharge on the Common Meuse

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A River HABitat SIMulation Model (RHASIM) was developed, to gain insight into the effects of low discharge on the ecological development of the Common Meuse. The model is based on the Physical HABitat SIMulation Model (PHABSIM) from the U.S. It is a flexible method by which the changing habitat conditions can be quantified for target species, representing characteristic habitats, for nearly all disturbances in a river ecosystem. The Common Meuse is a free flowing part of the rain-fed river Meuse with low discharges in summer; a natural phenomenon, influenced however by human impact.