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Understanding and managing the Westerschelde synchronizing the physical system and the management system of a complex estuary

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Abstract. This article analyzes the relationship between the proce policy making, management and research and the way in which the Westerschelde estuary developed between 1985 and 2006. The Westerschelde has three core functions: economically: it makes th Antwerp accessible; ecologically: it generates habitats for certain t species; and in terms of safety: its morphology helps preventing the hinterland from being flooded. We analyze how the processes of policymaking, management and analysis focused on these three as and how they in turn affected the physical system of the Westersc

We proceed to develop a framework for evaluating the policy maki management and esearch and how this impacts the Westerscheld apply this framework to twenty years of policy making on, manage and research about the Westerschelde. We conclude that policy, management and research, due to learning effects, take the dynar the Westerschelde into account to a greater extent than they have past, but there exist a real probability for old routines to return.

■ Final Revised Paper (PDF, 295 KB) ■ Discussion Paper (HESSD)

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