

35196

P3.

An inventory for lateral input into the Sea Scheldt**K. Deneudt¹, E. Vanden Berghe¹ and J. Mees¹**¹ VLIZ, Flanders Institute of the Sea, Oostende, Belgium

By order of the Waterways and Maritime Affairs Administration, division Sea Scheldt, the Flanders Marine Institute develops a database containing information regarding the lateral input into the Sea Scheldt.

Water quality and quantity data of tributaries, industrial discharges and input through locks are gathered and compiled into a cohesive database. The parameters included are flow, biochemical oxygen demand, total suspended matter, Kjeldahl N, nitrate and nitrite, ammonium and oxygen concentration. By determination of the XY-coordinates for the different discharge locations, the data is linked to Arcview and can be visualized by making selections on a GIS-map. Easy access to the contained information is assured by the possibility of making selections on different levels: for every company, nature of discharge, time and place a query for water quality and water quantity data can be made.

The aim is to provide a well-structured inventory of discharge data that is needed for ecological modelling purposes. The database is made structurally compatible with the OMES-database in which it will be incorporated.