

ScheldeMonitor: The online data and information hub for the Scheldt Estuary

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The Sea Scheldt, its tidal tributaries (Durme, Rupel with the Zenne, Dijle, Grote Nete and Kleine Nete), the Western Scheldt and its mouth have a unique tidal ecosystem that provides many services, including a significant impact on the economy, society and nature. It has been, and still is, the subject in numerous fundamental and applied scientific studies.

In the framework of the cross-border Flemish-Dutch long-term vision of the Scheldt Estuary, a knowledge and information portal was set up for research and monitoring in the Scheldt (<http://www.scheldemonitor.org>). Yearly, there is a large update of Scheldt related data in the dataportal and every five years, a large evaluation of the quality of the Scheldt is executed by a consortium. The first five-year-period (T2009) handles data over the period 2005-2009, and in 2018 the second evaluation (2010-2015) of the Scheldt was completed (T2015). This data, as well as literature and reports supporting the several types of ongoing research in the Scheldt, is available through this online platform.

To gain insight in the dynamics of the Scheldt area through time, a series of historical maps were added. An application makes it possible to visualize and compare a current map with a historical map of choice. Currently 128 maps are accessible dating from the 16th till the 20th century.

In general, ScheldeMonitor offers information (expertise, literature, projects, etc.), data (datasets, measurements, etc.) and data products (maps, graphs, indicators, etc.) and can be accessed at <http://www.scheldemonitor.org>

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