

# Ems-Scheldt Workshop 2013

**BMBF-NWO program 'Future\_Ems'  
RWS/MOW project 'Scheldt'**

**February 14+15 2013 in Delmenhorst, Germany**

You are cordially invited to attend the Ems-Scheldt workshop 2013, which will be held on on Feb. 14+15, 2013, in Delmenhorst (near Bremen). The aim of the workshop is to bring together scientists and end-users of scientific knowledge to present and discuss the current state of research on the hydrodynamics and turbidity dynamics in the Ems and Scheldt estuary and river. Please respond to Huib de Swart (<mailto:h.e.deswart@uu.nl>) before December 15, 2012 if you are planning to attend. Also, please indicate whether you intend to give an oral presentation at this workshop. You are expected to make your own hotel arrangements. Suggestions for hotels will follow at a later stage.

Note: the maximum number of participants is 60 (i.e., 30 for each of the clusters). Selection is based on a 'first come first served' basis.

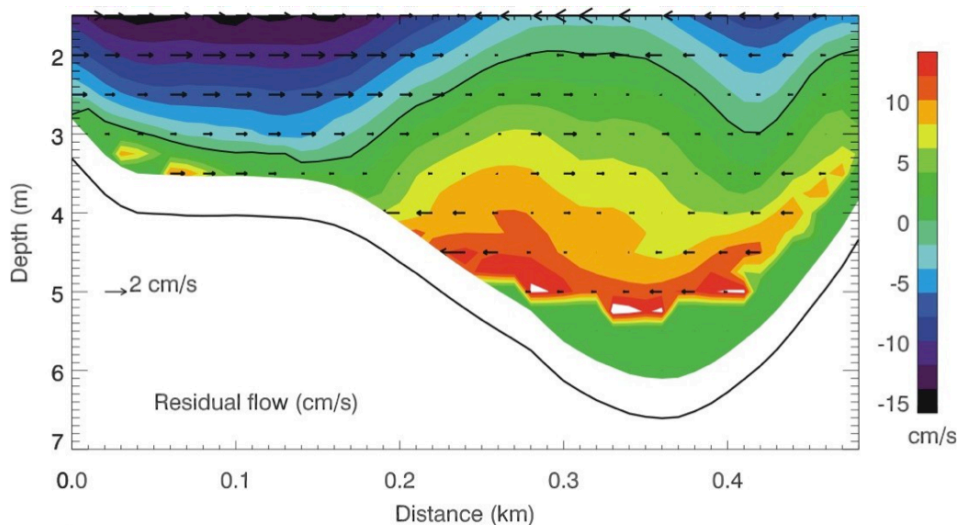
The planned topics of discussion include:

- Natural vs. anthropogenic change in the Ems and Scheldt
- Physical processes affecting the longitudinal distribution of sediment concentration in the Ems and Scheldt: Results from measurements and models and use of data assimilation methods
- Variation in biological and chemical parameters in the estuaries
- Modelling the onset of phytoplankton blooms and the depletion of oxygen
- Lateral circulation and sediment distribution in the estuaries—the effect of flocculation and density gradients

The Future\_Ems project is a project sponsored by the German and Dutch Scientific Organizations (BMBF/NWO) and aims at gaining more understanding about the hydrodynamics and sediment dynamics of the Ems. For more information, please visit

[http://www.staff.science.uu.nl/~swart104/Ems\\_website/Ems\\_home.htm](http://www.staff.science.uu.nl/~swart104/Ems_website/Ems_home.htm)

The workshop is being organized by Huib de Swart (Utrecht Univ.), Han Winterwerp (Deltares, Delft) and Thomas Badewien (Univ. Oldenburg).



Measured distribution of mean lateral flow in a cross-section near Knock (Ems).  
Data by Univ. of Oldenburg/Senckenberg; analysis by A. Valle-Levinson