

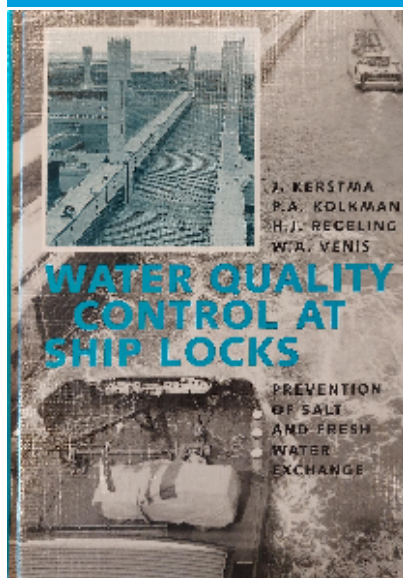
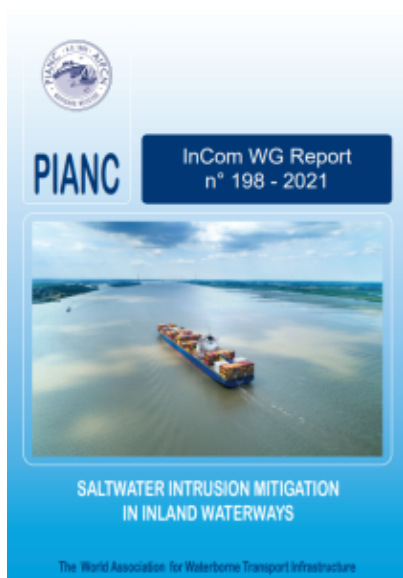
Knowledge Base

[Home](#) [Projects](#) [Methods and Tools](#) [Knowledge Base](#) [Internships](#) [Publications](#) [Contact](#)

As a knowledge institute, it is important for Deltares to be at the forefront of **knowledge development**, both in **national and international** settings. One of the activities organised by Team Salinisation is a yearly [lecture series](#).

Impact

Deltares contributes to many impactful publications on salinisation topics, including:



Cooperations

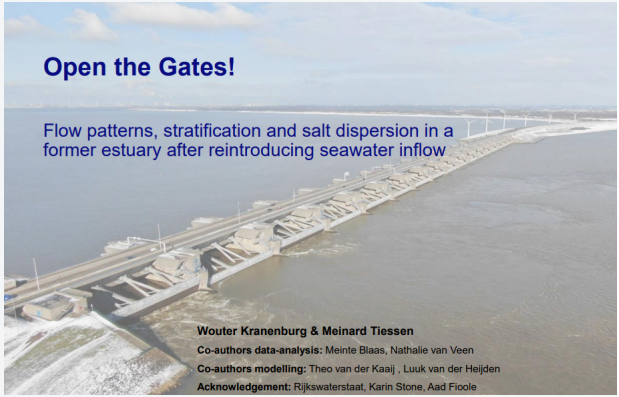
Deltares is active in several cooperative programmes:

- [Knowledge Program Hydraulic Structures](#)
- [PIANC](#)
- [AquaConnect](#)
- [SALTISolutions](#)

Salinisation Lectures

Team Salinisation organises a yearly lecture series. If you would like to be notified when a new lecture series is announced, please send a message to salinisation@deltares.nl.

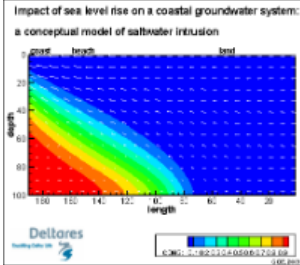
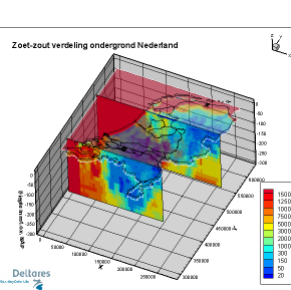
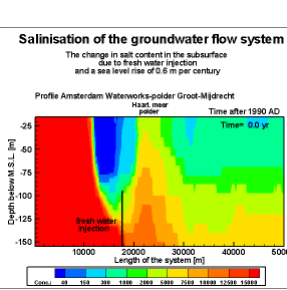
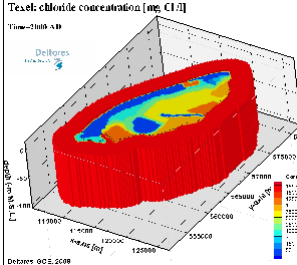
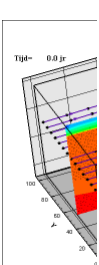
2022

 Deltares Dutch south-western delta Salinization Lecture Tom O'Mahoney Joost Delsman Wouter Kranenburg 22 november 2022 enabling delta life	 Open the Gates! Flow patterns, stratification and salt dispersion in a former estuary after reintroducing seawater inflow Wouter Kranenburg & Meinard Tieszen Co-authors data-analysis: Meinte Blaas, Nathalie van Veen Co-authors modelling: Theo van der Kaaij, Luuk van der Heijden Acknowledgement: Rijkswaterstaat, Karin Stone, Aad Fioole
--	---

2021 >>

Salt intrusion in estuaries around the world under influence of climate change MSc internship Avelon Gerritsma Spring 2021 Supervisors: Wouter Kranenburg (Deltares) & Albrecht Weerts (Wageningen University, Deltares) Continuation: Stendert Laan Daan van Keulen Deltares WAGENINGEN UNIVERSITY & RESEARCH enabling delta life	 Del Salinization: World map and future projection: <i>Which areas worldwide are threat by salinization and how will the change in the future?</i> Gu Oude Essink and many others
---	--

Animations: examples of salinisation processes >>

 Impact of sea level rise on a coastal groundwater system: a conceptual model of saltwater intrusion Henry's profile with sea level rise	 Zoet-zout verdeling ondergrond Nederland 3D zoet-zout verdeling ondergrond NL	 Salinisation of the groundwater flow system The change in salt content in the subsurface due to fresh water injection and a sea level rise of 0.5 m per century Profile Amsterdam Waterworks-polder Groot-Midrecht Fresh water injection Time after 1990 AD Time= 0.0 yr Fresh water injection Length of the system [m] Depth below sea level [m] Salinity [mg/l] 0 100 200 300 400 500 600 700 800 900 1000	 Texel: chloride concentration [mg Cl/l] Time= 0.0 yr 3D zoet-zout verdeling ondergrond Texel	 Regional groundwater distribution Regional groundwater distribution
---	---	--	---	---

