

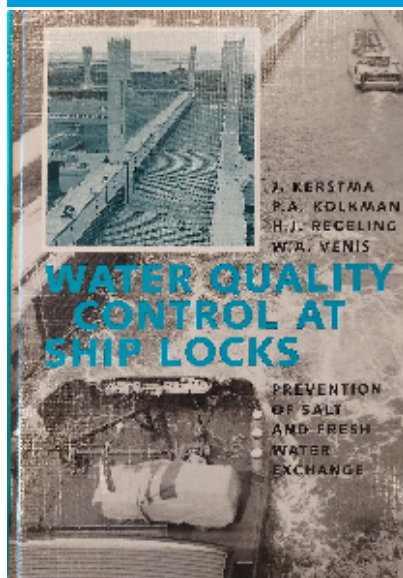
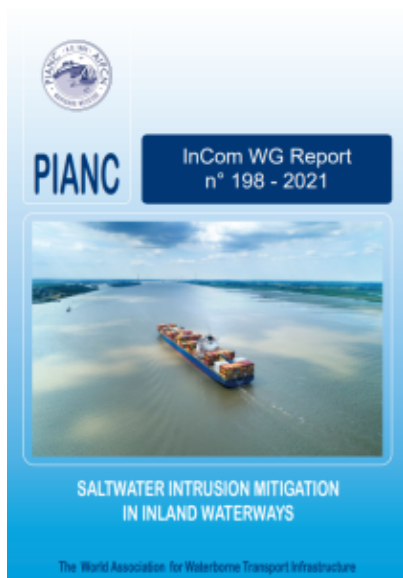
Knowledge Base

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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

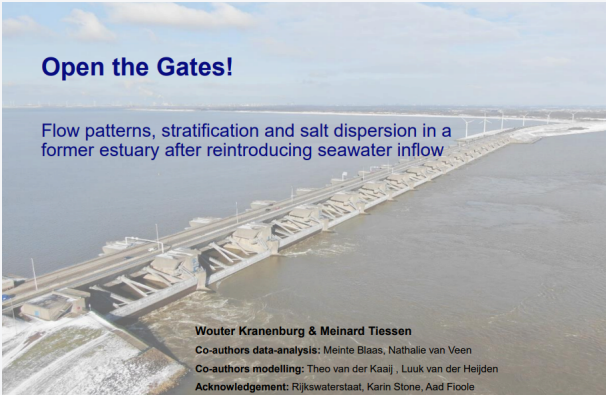
Deltares is active in several cooperative programmes:

- [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.

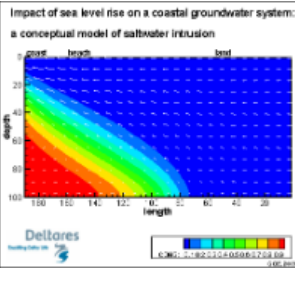
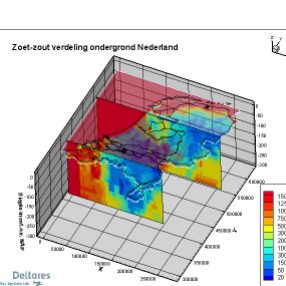
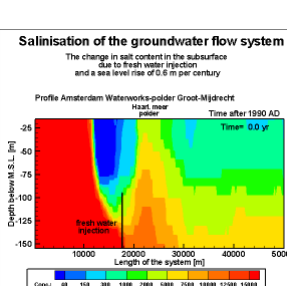
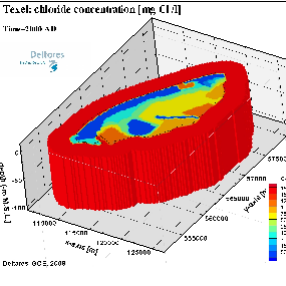
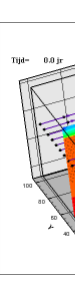
2022

 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 Tiessen 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
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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
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Animations: examples of salinisation processes >>

 Impact of sea level rise on a coastal groundwater system: a conceptual model of saltwater intrusion Deltares	 Zoet-zout verdeling ondergrond Nederland Deltares	 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 Profilie Amsterdam Waterworks-polder Groot-Midrecht Haast, naar 1990 AD Time= 0.0 yr Deltares	 Texel: chloride concentration [mg Cl/l] Time= 2000 AD Deltares	 Time= 0.0 yr Deltares
Henry's profile with sea level rise	3D zoet-zout verdeling ondergrond NL	Fresh water injection to combat salinisation	3D zoet-zout verdeling ondergrond Texel	Regional groundwater system

