

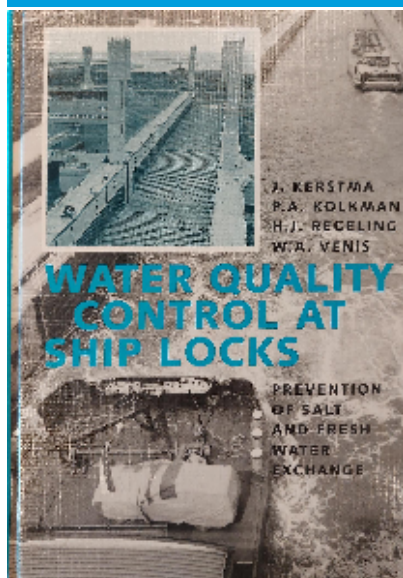
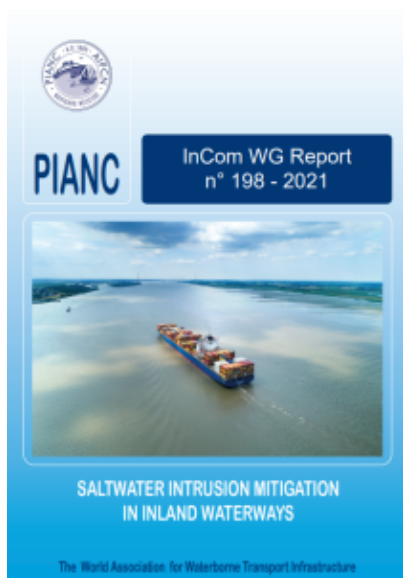
Knowledge Base

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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

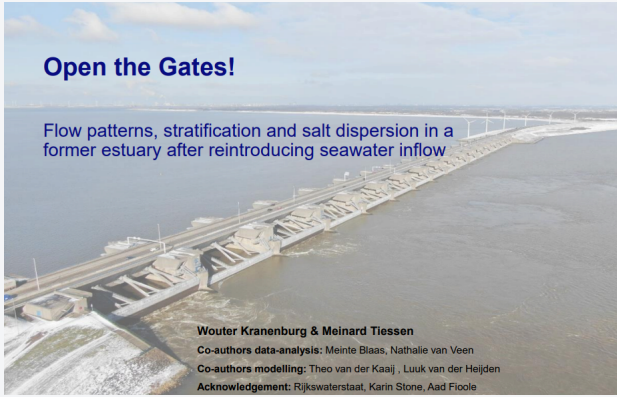


Deltares

Dutch south-western delta

Salinization Lecture

Tom O'Mahoney
Joost Delsman
Wouter Kranenburg
22 november 2022



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

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 



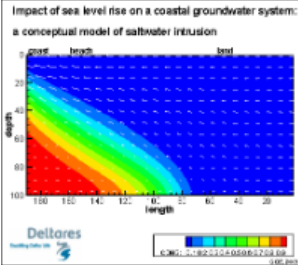
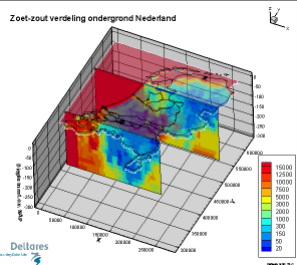
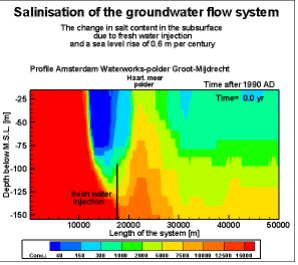
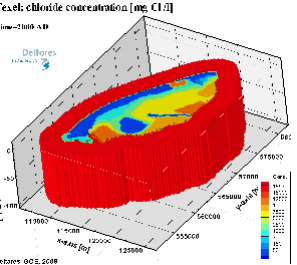
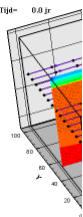
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Salinization: World map and future projection

Which areas worldwide are threat by salinization and how will the change in the future?

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	 Zoet-zout verdeling ondergrond Nederland	 Salinisation of the groundwater flow system	 Texel: chloride concentration [mg Cl/l]	 Regional groundwater capture
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 capture

