

# News

## General

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## 2018

- [25th Salt Water Intrusion Meeting in Gdansk, 17-22 June, 2018](#)

Presentations:

- Delsman, J.R., Van Baaren, E.S., Siemon, B., Dabekaussen, W., Steuer, A., Gunnink, J.L., Karaoulis, M.C., Pauw, P.S., Vermaas, T., Bootsma, H., De Louw, P.G.B., Oude Essink, G.H.P. 2018. Large-scale, probabilistic airborne salinity mapping for groundwater management in Zeeland, The Netherlands
- De Louw, P.G.B., Bootsma, H., Kooi, H., Kramer, M., Erkens, G. 2018. Land subsidence by peat oxidation leads to enhanced salinization through boils in Dutch polders
- Zamrsky, D., Oude Essink, G.H.P., Bierkens, M.F.P. 2018. Estimating characteristic times of regional groundwater systems along the global coastline with regard to past sea level fluctuations and sediment accumulation patterns
- Van Engelen, J., Bierkens, M.F.P., Oude Essink, G.H.P. 2018. 3D Paleohydrogeological modelling of the Nile Delta
- King, J., Oude Essink, G.H.P., Karaoulis, M.C., Siemon, B., Bierkens, M.F.P. 2018. A Quantitative Review of D Airborne Electromagnetic Inversion Methods: A Focus on Fresh-Saline Groundwater Mapping
- Huizer, S., Radermacher, M., De Vries, S., Oude Essink, G.H.P., Bierkens, M.F.P. 2018. Impact of coastal forcing and groundwater recharge on the growth of a fresh groundwater lens in a mega-scale beach nourishment
- Oude Essink, G.H.P., Mulder, T., Van Engelen, J., Zamrsky, D., Pham Van, H., Weerasekera, W., Meggiorin, M. 2018. Building up D salinity models for estimating fresh groundwater resources in major deltas under global and climate stresses
- Vandeveld, D. Van Baaren, E.S., Delsman, J.R., Karaoulis, M.C., Oude Essink, G.H.P. De Louw, P.G.B., Vermaas, T., Pauw, P.S., De Kleine, M., Thofte, S., Teilmann, R., Walraevens, K., Van Camp, M., Huits, D., Dabekaussen, W., Gunnink, J.L., Vandenbohede, A. 2018. Groundwater salinity mapping of the Belgian coastal zone to improve local freshwater storage availability

Posters

- Oude Essink, G.H.P., Van Baaren, E.S., Galvis Rodriguez, S., Zuurbier, K., Raat, K., Kooiman, J.W., Boonekamp, T. 2018. Potential map for large-scale implementation of subsurface water solutions: COASTAR
- Verkaik, J., Huizer, S., Van Engelen, J., Ram, R., Vuik, K., Oude Essink, G.H.P. 2018. Parallel Computing with SEAWAT
- America, I., De Louw, P.G.B., Bier, G., Van der Zee, S. 2018. Influence of tides, bathymetry, lithology and regional flows on the salinization process in nature area the Rammegors

## 2017

- [2017 23-28 April: European Geosciences Union, General Assembly](#)
  - Zamrsky, D., Bierkens, M. and G.H.P. Oude Essink, 2017. On aquifer thicknesses and geological complexity affecting fresh/salt groundwater distribution.
  - Van Engelen, J., Oude Essink, G.H.P., Kooi, H., Bierkens, M.F.P. 2017. On the origins of hypersaline groundwater in the Nile Delta Aquifer.
  - Boran, B.E., Rutten, M., Oude Essink, G.H.P., Delsman, J.R., Abraham, E. 2017 Smart salinity management in low-lying deltaic areas: a model predictive control scheme applied to a test case.
  - Siemon, B., Van Baaren, E., Dabekaussen, W., Delsman, J.R., Gunnink, J., Karaoulis, M., De Louw, P., Oude Essink, G., Pauw, P., Steuer, A., Vermaas, T., Meyer, U. 2017. FRESHEM - Fresh-saline groundwater distribution in Zeeland (NL) derived from airborne EM.
- Wanted: [Ghent University Belgium: Assistant Prof. Hydrogeology](#)

## 2016

- [2016 4-8 July, 24th Salt Water Intrusion Meeting: Cairns, Australia](#)
- [2016 10-13 May, 4th Int. Climate Change and Adaptation Conference, Rotterdam, The Netherlands](#)

## 2015

- [2015 28 June - 3 July: IAHR, Delft, The Netherlands, Deltas of the Future](#)
- [2015, 9-12 June: AquaConSoil, Copenhagen, Denmark: Sustainable Use and Management of Soil, Sediment and Water Resources](#)
- [2015 12-17 April, EGU, Wenen, Oostenrijk, HS8.2.9 Freshwater-saltwater interactions in coastal and inland aquifers](#)
- [2015 23-26 March, Deutschen Geophysikalischen Gesellschaft, Hannover, Duitsland: o.a. Hydrogeofysica en grondwatersystemen](#)

## 2014

- [International Conference Deltas in Times of Climate Change II, 24-26 September 2014 ->Download the Flyer \(check \*Fresh Water Management\*\)](#)
- [IAEG XII Congress, Torino September 15-19, 2014: Engineering Geology for Society and Territory, 1.4 - Climate change: impacts on natural resources and hazards](#)
- [Regional Workshop on Saltwater Intrusion Modeling & Implications of Sea Level Rise: July 23-24, 2014, South Florida Water Management District](#)
- [23rd Salt Water Intrusion Meeting, Husum, Germany, 16-20 June 2014](#)
  - Presentation: Esther van Baaren, Bouke Ottow, Marco Arts, Pieter Pauw, Gualbert Oude Essink, Sharing precious water volumes in the Water Farm
  - Presentation: Marta Faneca, Gualbert Oude Essink, Gijs Janssen, Roelof Stuurman, Yangxiao Zhou, SWIBANGLA, Managing Salt Water Impacts in Bangladesh

Presentation: Pieter Pauw, Controlled level drainage to expand freshwater lenses below creek ridges  
Presentation: Sebastian Huizer, Can a large sand suppletion lead to a substantial increase in fresh water resources?: The Sand Motor Project  
Presentation: Gualbert Oude Essink, Daniel Zamrsky, Marta Faneca, Global Quick Scan of the Vulnerability of Groundwater systems to Tsunamis (and other flooding events)  
Poster: Esther van Baaren, Perry de Louw, Gualbert Oude Essink, Regional variable-density groundwater flow model: a Dutch case in the southwestern delta

- EGU, Vienna, Austria, 27 April - 2 May 2014
- FRIEND-Water2014, Vietnam, Hanoi, 24-28 February 2014: 7th Global FRIEND-Water Conference Hydrology in a Changing World: Environmental and Human Dimensions

## 2013

- Summer School, 1-5 July, 2013: Fresh and Salt Groundwater in Deltaic Regions: Mathematics, Numerical Modeling and Applications
- MODFLOW and More 2013: Translating Science into Practice, 2-5 June 2013, Colorado School of Mines in Golden, Colorado, US
- AquaConSoil, Barcelona, 16-19 April 2013, 12th International UFZ-Deltares Conference on Groundwater-Soil-Systems and Water Resource Management
- EGU, Vienna, Austria, 07-12 April 2013: Groundwater resources in a changing environment
- EGU, Vienna, Austria, 07-12 April 2013: Freshwater-saltwater interactions and density-driven flow

## 2012

- AGU, San Francisco, 3-7 December 2012: H52B. Measurement, Modeling, and Management of Coastal Aquifers II  
Presentation: Gualbert Oude Essink, Impact of global and climate stresses on fresh water resources in the coastal zone: a Dutch example (Invited)
- 22nd Salt Water Intrusion Meeting, Buzios, Brazil, June 17-21, 2012  
Presentation: Esther van Baaren, The Water Farm: self-sufficient in water  
Presentation: Gualbert Oude Essink, Local Climate Proof Fresh Groundwater Supply: adaptation water management strategy with national impact?  
Presentation: Gualbert Oude Essink, Geophysics Applied to Coastal Aquifer Studies  
Presentation: Gualbert Oude Essink, How to determine a reliable 3D fresh-brackish-saline distribution in data-rich coastal groundwater systems  
Presentation: Joost Delsman, Salt load to an agricultural catchment: 'seepage flux times concentration', or is there more to it than that? Insights from a multi-scale tracer study  
Presentation: Esther van Baaren, Climate Proof Areas: Innovative solutions for improving the freshwater availability  
Poster: Pieter Pauw, Large scale drainage measures to increase freshwater supply from sandy creek deposits  
Poster: Gualbert Oude Essink, Airborne Geophysics: a powerful tool to start up fresh groundwater management in the coastal zone
- Two-day meeting on fresh and saline issues, 31 may-1 june 2012, organized by Knowledge for Climate, De Waterdienst and STOWA  
Poster: Gualbert Oude Essink, Airborne Geophysics: a powerful tool to start up fresh groundwater management in the coastal zone
- IV Int. Conf. on Technology Seawater Intrusion in Coastal Aquifer, Alicante, Spain, April 24-26 2012  
Presentation: Marta Faneca, Effect of geological uncertainties on the salinisation of surface water systems in deltaic areas  
Presentation: Gualbert Oude Essink, Local Climate Proof Fresh Groundwater Supply: adaptation water management strategy with national impact?

## 2011

World Delta Summit, The Pulse of Deltas and the Fate of our Civilization, Jakareta Indonesia, 21-24 November 2011

## 2010

International Centre for Advanced Mediterranean Agronomic Studies CIHEAM course, 22-27 March 2010, Zaragoza, Spain, teaching Quantitative methods

21st Salt Water Intrusion Meeting 21-25 June 2010, Azores, Portugal

Deltas in Times of Climate Change 29 September- 1 October, Rotterdam, the Netherlands

Presentation: Oude Essink GHP, Van Baaren ES, De Louw PGB, 2010, Effects climate change on coastal groundwater systems, focus on the Rhine Delta, Proceedings Deltas in Times of Climate Change, Rotterdam, The Netherlands, Sept-Oct. 2010