

# Nieuws

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## 2018

- **25th Salt Water Intrusion Meeting: Gdansk, Polen, 17-22 Juni 2018, [website](#)**

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
- Vandevelde, 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

- **Zoet-zout kartering Provincie Zeeland online beschikbaar: [FRESHEM](#)**
- **Rapportage Zeeland model digitaal beschikbaar: [Regionaal 3D model voor zoet-zout grondwater in de Provincie Zeeland](#). [link naar wiki-pagina](#)**
- **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.
- **Gezocht: [Gent Universiteit België: Docent-TT Hydrogeologie](#)**

## 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

## In het Nieuws:

20151214, Volkskrant: kwelvoorziening Perkpolder

20150917, Trouw: Zilte grond vraagt om zilte groente

20150822, Nieuwe Oogst: Helivluchten Zeeland hervat

20140527, Volkskrant: Landbouw op zout water

20140428, Trouw: Zuinig op het zoete water

20140331, De Akker: Zorgen om zoute kwel; Toenemende verzilting vereist bewustere omgang met zoet water

20140407, Financieel Dagblad: Zuinig op Zoet Water

20140205, PZC: Hoe Bloemkool nog jaren kan groeien

20140125, Nieuwe Oogst: Zoute Kwel Onder De Duim Houden

20140120, Nederlands-Franse samenwerking binnen project GO-FRESH

20140129, Reformatorisch Dagblad: Boeren in Zilte Polders

20140111, Nieuwe Oogst: Sloten met zoute wellen tijdelijk isoleren

20131220, Cobouw: Achtergrond nr. 229: Verzilting diepe polders loopt vooral via wellen

20131205, Nieuwe Oogst: De rol van zoute wellen bij verzilting onderzocht

20131130, Nieuwe Oogst: Sparen als je sparen kunt

20131121, Minister overweegt financiële steun GO-FRESH project

20130924, De Boerderij: Zeeuwse telers sparen zoet water

20130906, Groenten en Fruit Actueel bericht; Jan de Rijk: Hele jaar door water sparen zonder bassin

20120404, BN de Stem Zeeuws-Vlaanderen: Een zoektocht naar zoet water

2012, Visie Deltares Magazine: Aanpak verzilting is maatwerk

20110516, Boerderij: Behoud zoetwaterlens is sleutel bij onontkoombare verzilting

## Algemeen

Salt Water Intrusion Meetings

Saltnet

## 2015

- 2015 13-18 September, 42<sup>nd</sup> IAH AQUA2015, Hydrogeology, Back to the Future!, Rome, Italy, session S7.8: Groundwater quality issues in coastal aquifers: Improving our understanding through measurements and modelling
- 2015 28 June - 3 July: IAHR, Delft, The Netherlands, Deltas of the Future
- 2015 17 juni, middag symposium 'Zoetwaterbeheer en de rol van wetenschappelijk onderzoek'
- [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

- 2014 AGU Fall Meeting, 15-19 December 2014, San Francisco, USA  
Abstract submission by Sebastian Huizer: Modeling Changing Morphology and Density Dependent Groundwater Flow in a Dynamic Environment: case study
- 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
- 23rd Salt Water Intrusion Meeting, Husum, Germany, 16-20 June 2014  
Presentatie: Esther van Baaren, Bouke Ottow, Marco Arts, Pieter Pauw, Gualbert Oude Essink, Sharing precious water volumes in the Water Farm  
Presentatie: Marta Faneca, Gualbert Oude Essink, Gijs Janssen, Roelof Stuurman, Yangxiao Zhou, SWIBANGLA, Managing Salt Water Impacts in Bangladesh  
Presentatie: Pieter Pauw, Controlled level drainage to expand freshwater lenses below creek ridges  
Presentatie: Sebastian Huizer, Can a large sand suppletion lead to a substantial increase in fresh water resources?: The Sand Motor Project  
Presentatie: 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

- 2013 AGU Fall Meeting, 9-13 December 2013, San Francisco, US  
Session invitation: H062: "Open-Source Programming, Scripting, and Tools for the Hydrological Sciences", invited speaker Jarno Verkaik
- Deltares Software Dagen, 10 juni 2013 Symposium 'Ontwikkelingen in de Hydrologie', Ontwikkelingen Zoet-Zout Grondwater (Gualbert Oude Essink)
- MODFLOW and More 2013: Translating Science into Practice, 2-5 June 2013, Colorado School of Mines in Golden, Colorado, US

- Kennisproeverij Deltares, 24 April 2013
- 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: Freshwater-saltwater interactions and density-driven flow

## 2012

- Studie Brijnlozingsproblematiek Haaglanden afgerond, december 2012
- AGU, San Francisco, 3-7 December 2012: H016: Measurement, Modeling and Management of Coastal Aquifers
- Symposium BodemBreed 2012, 27-28 november 2012
- 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  
 Presentation: Esther van Baaren, The Coastal Laboratory: salt and fresh water supply. More info?: Esther dot vanBaaren at deltares dot nl
- Tweedaagse bijeenkomst over zoet en zout water, 31 mei-1 juni 2012, georganiseerd door Kennis voor Klimaat, RWS Waterdienst en STOWA  
 Poster: Pieter Pauw, Vergroten van de zoetwatervoorraad onder kreekruggen in de Zuidwestelijke Delta  
 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?  
 In april 2012 ontving Deltares tijdens het TIAC2012-congres de 'Carlos Ruiz Celaá Award'. De award is toegekend voor een zoetwaterproject dat Deltares tijdens het congres presenteerde. over het omgaan met verzilting in kustgebieden.
- inzending Deltares-IMARES De KREEK teRUG Delta Water Award, Vlissingen, The Netherlands, April 18, 2012

## 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

Presentatie: 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