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Overzicht

Englishwiki-site

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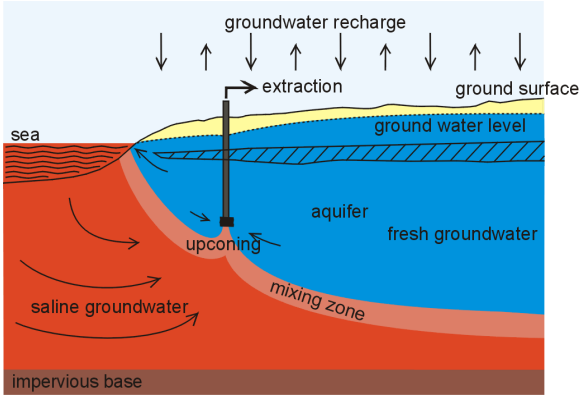
Filmpjes

- Slim Water Management, case Rijnland
- Innovatie in Perkpolder, peilbuizen beschermen grondwater tegen verzilting
  The Challenges of Saline Groundwater
  Zoetwater zelfvoorzienendheid, Deltaproof
  GO-FRESH: Ondergrondse waterbergingsproeven Proeftuin Zuidwestelijke Delta
  Kansrijke oplossingen voor een robuuste zoetwatervoorziening(
  Uitleg GO-FRESH 3 proeven, 4m20s)
  Kreekrug Infiltratie Proef in bedrijf (2m39s)
  De effectiviteit van het doorspoelen van polders in Nederland
  De bronnen van verzilting, en de lange geschiedenis die eraan voorafgaat, case NL
  Nederland, een Landschap gevormd door Mens en Natuur

Lecture Notes Density Dependent Groundwater Flow: Salt water intrusion in coastal aquifers

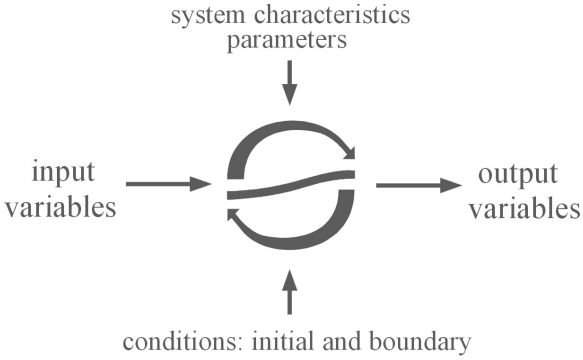
Auteur: Gualbert Oude Essink
Dictaat: Density Dependent Groundwater Flow

1 Introduction
2 Characteristics of a density dependen groundwater system
3 Freshwater head
4 The concept of a fresh-saline interface
5 Control of salt water intrusion
6 Numerical modelling
7 Salt water intrusion in the Netherlands
8 Heat transport in porous media: introduction

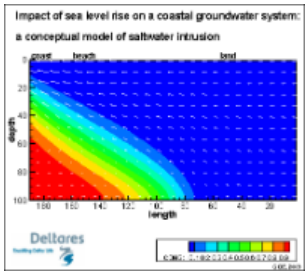
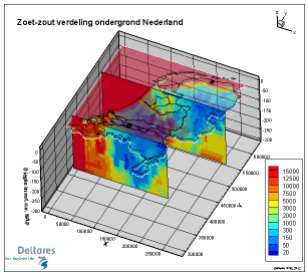
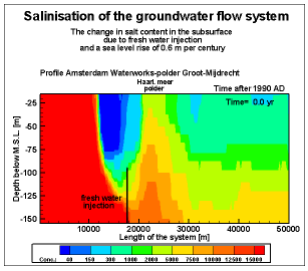
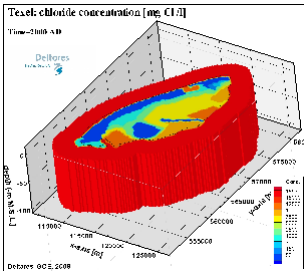
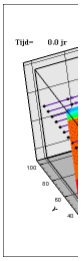


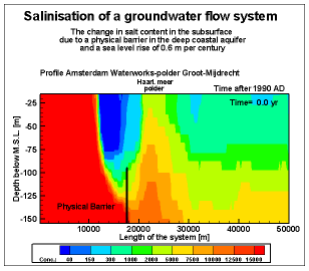
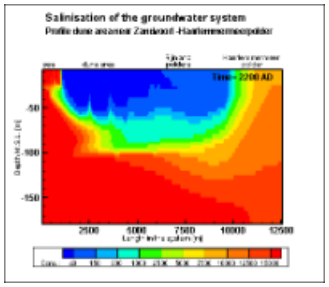
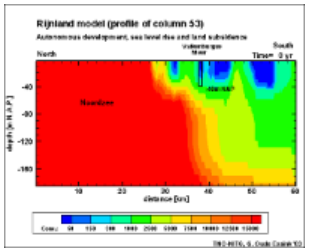
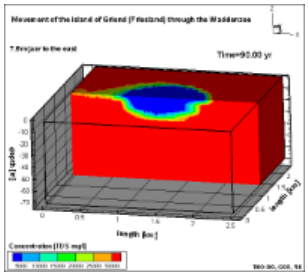
Lecture Notes Groundwater Modelling

Auteur: Gualbert Oude Essink
Dictaat: Groundwater Modelling
PART I Modelling Protocol
1 Introduction
2 Classication of mathematical models
3 Methodology of modelling
4 Data gathering
PART II Groundwater Modelling
5 Introduction
6 Mathematical description of hydrogeologic processes
7 Solution techniques
8 Numerical aspects of groundwater models
9 Some selected groundwater codes



Animations: examples of salinisation processes

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	Region partly c
				
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 captured

Physical barrier in the coastal zone	Dutch profile: extraction, upconing and low inland levels	Profile over 3D model: effect sea level rise on salinisation	Movement of the island De Griend (NL): creation of a freshwater lens	Evo lens
				
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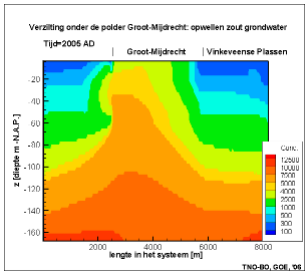
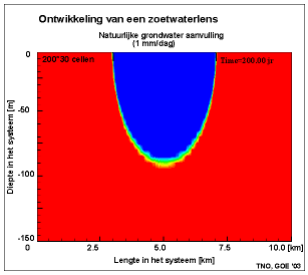
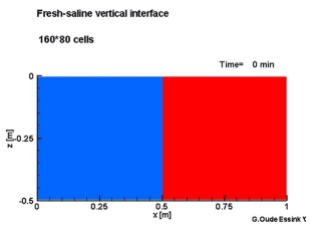
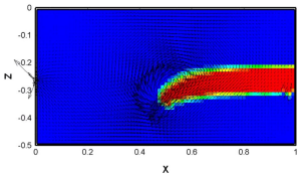
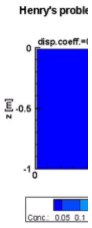
Upconing saline groundwater under a low-lying area	Ontwikkeling van een zoetwaterlens	Interface	Saltwater pocket	Henry
				
Upconing saline groundwater under a low-lying area	Ontwikkeling van een zoetwaterlens			