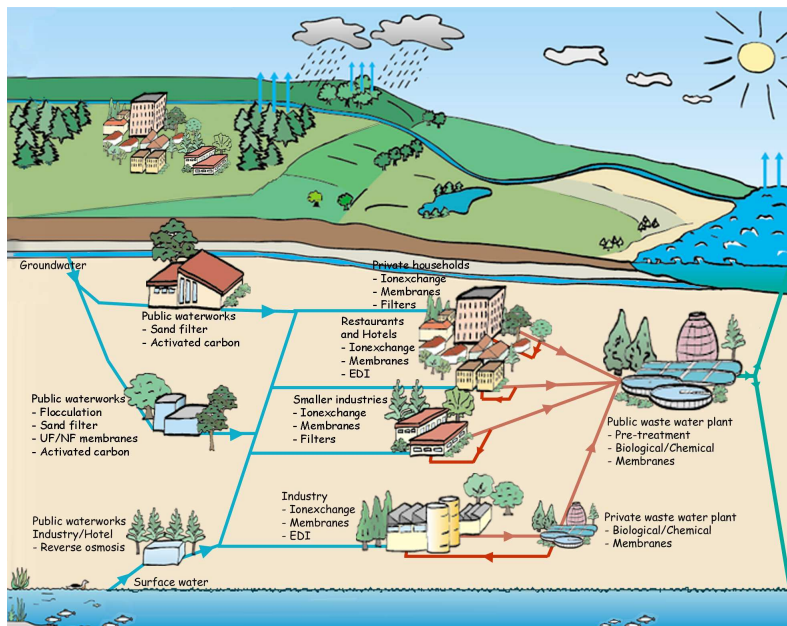


Urban Water Technology Research School

Professor Erik Arvin

Urbanwatertech.dk

UWT

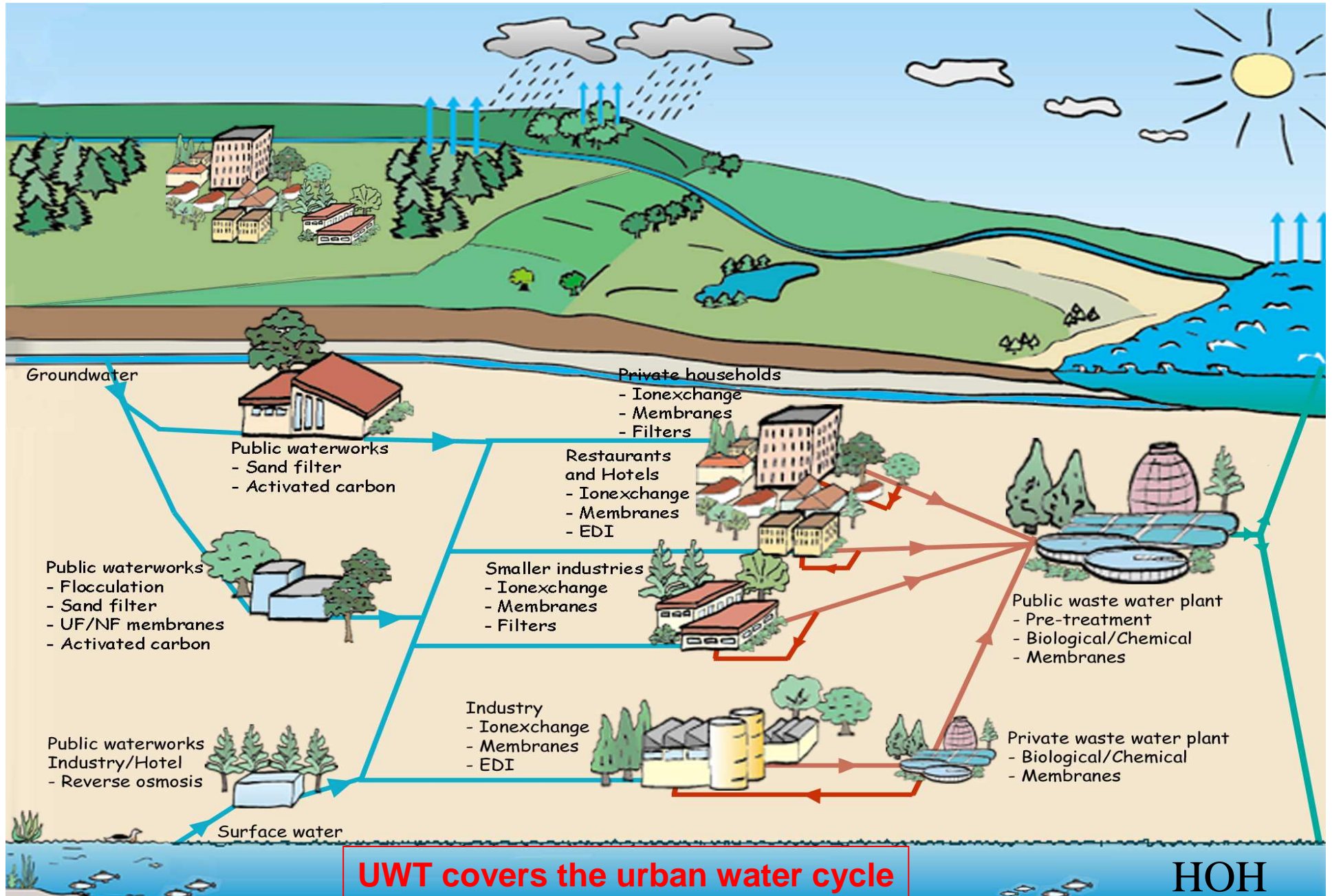


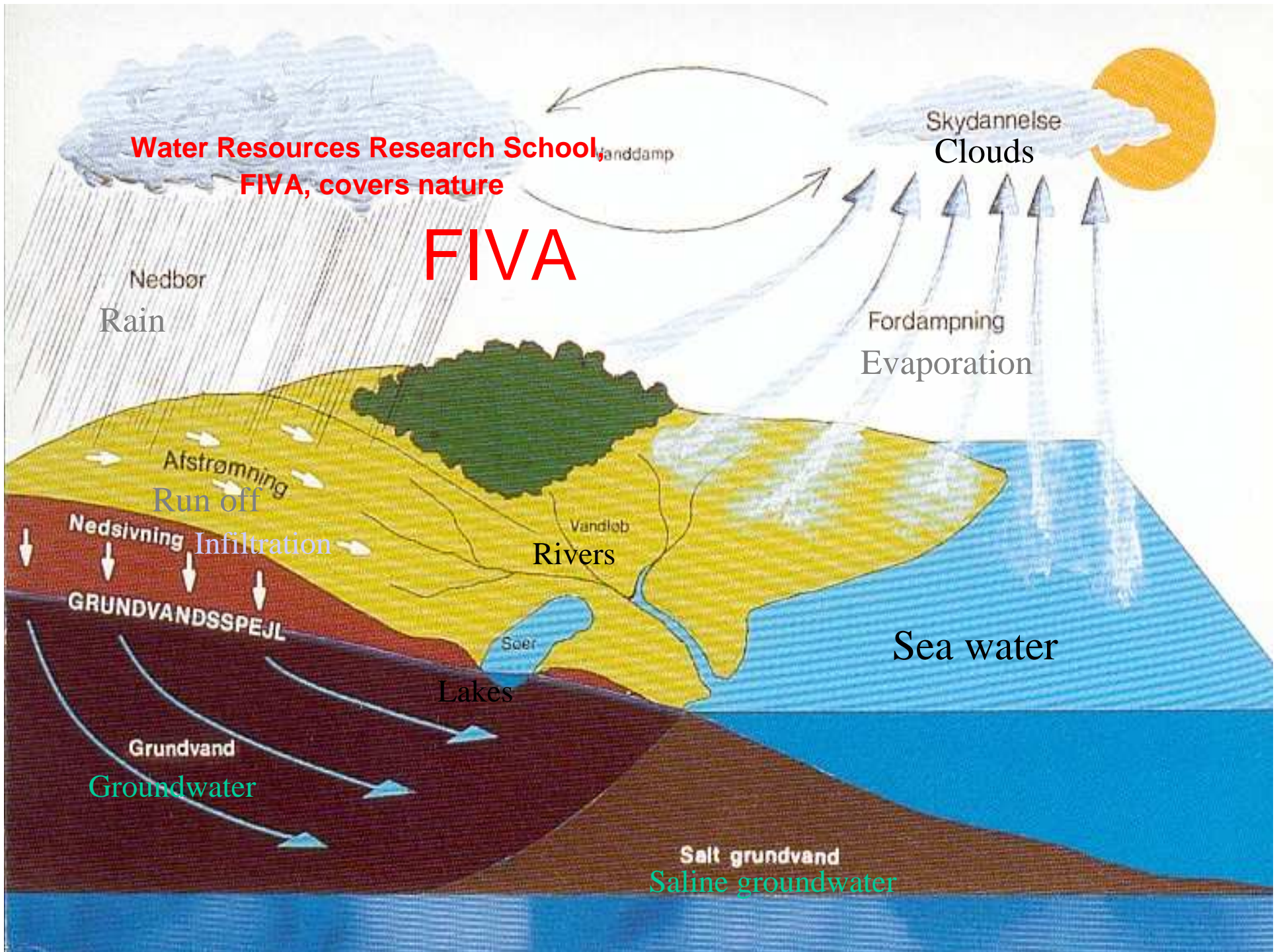
UWT opening seminar programme

- 14.00-14.15 Introduction to UWT. Head of UWT, professor Erik Arvin. DTU.
- 14.15-14.30 Hydrogen sulfide induced concrete corrosion of sewer systems.
PhD stud. Henriette Stokbro Jensen. AAU.
- 14.30-14.45 Modelling of micropollutants in the integrated urban wastewater system
PhD stud. Erik Lindblom. DTU.
- 14.45-15.00 Uncertainty assessment in long term urban drainage modelling
PhD stud. Søren Thorndahl. AAU.
- 15.00-15.15 Modelling of the release of organic compounds from polyethylene pipes to
drinking water
PhD stud. Martin Denberg. DTU.
- 15.15-15.30 Economic and environmental consequences of augmenting urban water
supplies with desalinated water
PhD stud. Martin Rygaard. DTU.
- 15.30-15.45 Official opening by Dean of research Kristian Stubkjær, DTU.
- 15.45-16.30 Reception



Urban Water Technology Research School. UWT





What is UWT?

- **Professional framework for PhD's, companies and universities**
- **Arranges PhD'courses, seminars, guest lectures, etc.**
- **Framework for professional outlook**
- **Framework for discussion of future initiatives**
- **"Cradle" for specialists within UWT**

Aims of UWT

- **Create an inspiring framework for education of PhDs, creation of joint concepts, methods and models**
- **Create the knowledge basis for development of new technical solutions within the urban water sector**
- **Meet the demand for specialists within the water sector**
- **Expand the research and innovation co-operation between companies and DTU/AAU**

What do the companies gain from UWT?

- **Are in the professional frontline**
- **Direct access to specialists – PhD's – that they need**
- **Forum for advanced continuing education for staff through UWT PhD courses and seminars**
- **Signals the high professional ambitions of the companies – can refer to the UWT home page. This attracts good future candidates**
- **Influence the future professional research direction**

Research Institutes/Companies

- **Danish Serum Institut**
- **Grontmij/Carl Bro**
- **KE – Copenhagen Energy**
- **Kruger A/S**
- **Odense Water Ltd.**
- **PH-Consult**
- **Waste Water Control - WWC**

Supervisors – DTU og AAU

University	Contact persons
DTU	Hans-Jørgen Albrechtsen Erik Arvin Philip Binning Mogens Henze Peter Steen Mikkelsen Barth Smets
AAU	Thorkild Hvitved-Jacobsen Jes Vollertsen Michael Rasmussen

PhD projects – primo 2007

●+ 8 more projects in 2008!



PhD students	Subjects	University	Res. Inst./Company
Larisa Maya Altamira	Development of a flexible bioprocess for handling and recycling seasonal industrial wastewaters	DTU, E&R	Mexican Research Agency
Tove Wium-Andersen	Advanced treatment of urban stormwater runoff	AAU, IKMB	PH-Consult
Paloma Andrade	Data based process models for rainfall run-off in combined sewer systems	DTU, IMM & E&R	Waste Water Control
Thomas Ruby Bentzen	Analysis of water and pollutants transport from highways	AAU, DCE	Road Directorate
Heidi Birch	Optimised model-based monitoring of water quality in dynamic discharges from urban areas	DTU, E&R	KE, Copenhagen Energy
Anders Breinholt	Framework for real time control of integrated urban wastewater systems	DTU, E&R & IMM	Krüger
Sarah Christine Christensen	The connection between residence time and water quality in water distribution networks - effects of small animals	DTU, E&R	Odense Water Supply
Martin Denberg	Release of organic compounds from plastic pipes for drinking water distribution	DTU, E&R	Danish Research Agency (STVF)
Henriette Stokbro Jensen	Abiotic and biotic concrete corrosion in sewer systems	AAU, IKMB	AAU/DSF
Susanne Lackner	Towards rational design of redox-stratified biofilms	DTU, E&R	DTU
Erik Ulfson Lindblom	Dynamic modelling of xenobiotic organic compounds in the integrated urban wastewater system	DTU, E&R	EU-FP5, DTU
Laure Lopato	Optimization of filters for water treatment by development of new diagnostic tools	DTU, E&R	Grontmij Carl Bro
Lisbeth Pedersen	Automatic calibration and attenuation correction in networks of small weather radars	DTU, IMM	DHI, Danish Research Agency (erhvervs PhD)
Martin Rygaard	Environmental, social and economic impacts of augmenting conventional water supplies with desalinated water	DTU, E&R	DTU
Søren Thorndahl	Uncertainty assessment in numerical long term modelling of urban storm water drainage	AAU, DCE	AAU
Luca Vezzaro	Source-flux-fate modelling of priority pollutants in stormwater systems	DTU, E&R	DTU



Organization behind UWT

- **Head of UWT:**

Professor Erik Arvin, DTU

- **Steering group:**

Managing director Anders Bækgaard, Odense Water Ltd.

Div. director Erik Bundgaard, Krüger

Professor Mogens Henze, DTU

Div. director Hans-Martin Friis Møller, Grontmij|Carl Bro

Assoc. prof. Jes Vollertsen, AAU

Professor Erik Arvin, DTU

- **Scientific secretary**

Assist. research prof. Charlotte B. Corfitzen, DTU



Work programme – UWT – primo 2008

- **Professional**

 - Development of PhD courses

 - Planning of seminars

- **Administrative**

 - Dev. of home page

 - Co-operation agreements

 - By-laws/regulations

 - Contact database

 - Newsletter

Visit our homepage:

●Urbanwatertech.dk

