

FORSKNINGSPLATFORMEN VAND

RESEARCH PLATFORM WATER

LISTE OVER FoU-PROJEKTER I VAND 2005 – 2010

Følgende liste indeholder igangværende og nyligt afsluttede forsknings- og udviklingsprojekter indenfor vand. Projektlisten revideres løbende, og information om nye projekter – og eventuelle rettelser til de eksisterende beskrivelser – bedes sendt til Jesper Dannisøe: jda@dhigroup.com or Bjørn Jensen: bkj@geus.dk.

Forskningsplatformen vand er et netværk for vandområdet, som blev dannet i 2005, som koordinerer og faciliterer forskningssamarbejde på tværs i vandsektoren. Læs mere om platformen på <http://www.forskningsplatformen-vand.dk/>.

INVENTORY FOR RTD PROJECTS ON WATER 2005 – 2010

This inventory contains existing and recently finalised RTD projects within water. The inventory is revised from time to time, and information about new RTD projects – or revision of the current descriptions - should be sent to Jesper Dannisøe: jda@dhigroup.com or Bjørn Jensen: bkj@geus.dk.

The Research Platform Water is a network for the water sector, which was formed in 2005, and which coordinates and facilitates research cooperation across the sector. Read more about the platform on: <http://www.forskningsplatformen-vand.dk/>.

01-10-2010

PROJECT INVENTORY PROJEKTOVERSIGT		FORSKNINGSPLATFORMEN VAND RESEARCH PLATFORM WATER			
RTD projects FoU projekter					
English title	Danish PL ¹⁾	Partners	Duration	Funding source	
Water and Climate					
Vand i Byer – Strategisk Partnerskab for klimatilpasning og Innovation www.vandibyer.dk	Karsten Arnbjerg, DTU Miljø kan@env.dtu.dk	75 virksomheder, forskningsinstitutioner, kommuner, forsynings-selskaber og organisationer inden for vandmiljøsektoren. DTU leder partnerskabet i samarbejde med Køben-havns Univesitet og de to GTS-institutter DHI og Teknologisk Institut. Virksomhedspartnerne omfatter blandt andet COWI, Grontmij/Carl Bro, Rambøll, NCC, Henning Larsen Architects og IBM	2010 - 2014	RTI	
Koncept for integreret vurdering og styring af risikoen for klimagenererede grundvandsversvømmelser af punktkildeforureninger i kystzonen (KIMONO)	Hans Jørgen Henriksen, GEUS hjh@geus.dk	Region Midtjylland, Horsens kommune, VIA UC	2010 - 2012	MST	
Centre for Regional change in the Earth System (CRES)	Jens Hesselbjerg Christensen, DMI jhc@dmu.dk	DMI, DHI, AU-DJF, DMU-AU, KU Life, KU Niels Bohr, DTU-Klimacenter, DTU Miljø, DANVA, Dansk Landbrugsrådgivning, SMHI (S), Bjerknes Center (N), University College (UK), Basque Centre for Climate Change (ES), Danske kommuner	2009 - 2014	DSF, Energi og Miljø	
Danish coasts and climate adaptation – flooding risks and coastal protection	Rolf Deigaard, DHI rd@dhigroup.com	IGG KU, Kystdirektoratet	2009 - 2013	DSF, Energi og Miljø	
Impacts of climate change on water resources and agriculture - and adaptation strategies in Tanzania (CLIVET)	Karen Vilholth, GEUS kvi@geus.dk	IGG KU, DMI, University of Dar es Salaam, Tanzania Meteorological Agency	2009 - 2014	FFU, Danida	
Impact of climate change on the quality of urban and coastal waters (diffuse pollution) (DiPol)	Peter Steen Mikkelsen, DTU Miljø psm@er.dtu.dk	TU Hamburg-Harburg (D) KU – LIFE, Albertslund Kommune, Hvidovre Forsyning, Københavns Kommune, Glostrup kommune,	2009 - 2011	Interreg	
Climate and water – a transnational project in the North Sea Region (CLIWAT) http://cliwat.eu/	Klaus Hinsby, GEUS khi@geus.dk	GEUS, MIM, AU, Region Midtjylland, Region Syddanmark, Horsens kommune + partnere i Belgien, Tyskland og Holland	2008 - 2011	Interreg	
Climate change: Impacts, Costs and Adaptation in the Baltic Sea Region (BALTICA) http://www.baltica.org/	Klaus Hinsby, GEUS khi@geus.dk	Geological Survey of Finland, Helsinki University of Technology, Hanko Water and Wastewater Works (SF), Union of the Baltic Cities, Helsinki Municipality, Geological Survey of Estonia, University of Latvia, Municipality of Klaipeda, Vilnius University, Lithuanian Geological Survey, GEUS, Kalundborg kommune, Teknologirådet, Nordregio (S), NIBR (N), Leibnitz Institute for Baltic Sea Research (D), Hafen City University (D), The Coastal Union Germany, Potsdam Institute for Climate Impact research.	2008 - 2011	Interreg	
Prediction of Climatic Impacts on Pesticide Leaching to the Aquatic Environments (PREVIOUS)	Hans Jørgen Henriksen, GEUS hjh@geus.dk		2008 - 2010	MST	
Integrated Project to Evaluate the Impacts of Global Change on European Freshwater Ecosystems (EUROLIMPACS) http://www.eurolimpacs.ucl.ac.uk/	Erik Jeppesen, DMU ej@dmu.dk	DMU + 34 partnere, herunder bl.a. UCL (UK), Alterra (NL), CSIC Barcelona (ES), NIVA (N), SYKE (SF), University of Liverpool (UK), EAWAG (CH), IVM (NL), UFZ (D), University of Rennes (F), IVL (S), CNRS/Université Paul Sabatier (F), Czech Academy of Sciences (CZ), University of Barcelona (ES), University of Leuven (B)	2004-2009	FP6	
Groundwater					
GENomic tools for assessment of Pesticide Effects on the Agricultural Soil Ecosystem (GENEPEASE)	Carsten Suhr Jacobsen, GEUS csj@geus.dk	BIO KU, DMU AU	2010 - 2011	MST	
Microbial remediation of contaminated soil and water resources (MIREOWA) http://www.miresowa.dk/	Jens Aamand, GEUS jaa@geus.dk	GEUS, DTU Miljø, BI KU, DMU AU, Catholic IUniversity of Leuven (B), Flemish Institute for Technological Research (B), KE, Hvidovre vand, Svendborg Vand, OV, Region Syddanmark, Miljøcenter Storstrøm, MST, Krüger, Maribo Seed	2009 - 2013	DSF, Energi og Miljø	

English title	Danish PL ¹⁾	Partners	Duration	Funding source
GOODWATER Initial Training Network (ITN) (GOODWATER) http://www.helmholtz-muenchen.de/goodwater/project-overview/index.html	Sebastian Sørensen, GEUS, Hans-Jørgen Albrechtsen, DTU-Miljø srs@geus.dk	DTU-Miljø, GSF(D), UCL(B), VITO(B), Gent University(B)	2007 - 2011	EU FP7 Marie Curie
Leaching of pathogens and estrogens from manure separation products to freshwater (PATHOS)	Carsten Suhr Jacobsen, GEUS csi@geus.dk	KU Farma, KU Life, Kemira Waters, Novozymes Cobio, Dianova, Danva	2008 - 2011	DSF, Energi og Miljø
Assessing the risk posed by point source contamination to groundwater and surface water resources (RISKPOINT) http://www.risk-point.dk/	Philip Binning, DTU Miljø pjbi@env.dtu.dk		2008 - 2011	DSF, Energi og Miljø
Innovative REMediation and assessment TEChnologies for contaminated soil and groundwater (REMTEC) http://www.remtec.dk/	Poul Bjerg, DTU plb@env.dtu.dk	DTU Environment, GEUS and NERI AU, NIRAS, ORBICON,COWI, Geosyntec (US), Clemson Univ (US), CSIRO (AUS), UFZ-Leipzig (D),	2008 - 2012	DSF, Energi og Miljø
Integration of modelling, monitoring and optimisation technologies for real-time management of groundwater resources (Well Field Optimisation) http://wellfield.dhigroup.com/	Dan Rosbjerg, DTU Miljø dro@er.dtu.dk	KE, WaterTech, Grundfos, RUC, DHI, IMM DTU	2007 - 2010	DSF, Energi og Miljø
Degradation, sorption and leaching of pesticides in Sarawak soils	Hans Christian Bruun Hansen, KU Life haha@life.ku.dk			
Urban water				
Biotreatment of drinking water resources polluted by pesticides, pharmaceuticals and other micropollutants (BIOTREAT)	Jens Aamand, GEUS jeaa@geus.dk	DTU Miljø, KU Leuven (B), EAWAG (CH), University of Gent (B), BfG (D), IFB, BIOCLEAR (NL), AVECOM, LCA (DK)	2010 - 2014	EU FP7
Design of microbial communities in membrane reactors: The next generation of environmental biotechnologies	Per Halkjær, AAU phn@bio.aau.dk	DTU, DTI, DHI, University of Vienna, Alfa Lawal A/S, Krüger A/S, Novozymes A/S, Anjou Recherche, Grundfos BioBooster A/S	2010 - 2016	DSF, Energi og Miljø
Sustainable drinking water treatment biological filters (DW Biofilters)	Hans-Jørgen Albrechtsen, DTU Miljø hja@er.dtu.dk	Krüger A/S, Kompetenz Wasser Berlin, University of Gent, DANVA, Esbjerg Water Supply, Copenhagen Energy, Aarhus municipality, Nordvand	2010 - 2014	DSF, Energi og Miljø
Dansk membran Bioreaktor-Teknologi (MEM-BIO)	Gert Holm Kristensen, DHI ghk@dhigroup.com	AAU, DTU Miljø, DTI, Grundfos BioBooster A/S, Alfa Laval A/S, Novozymes A/S, Mølleåværket, CP Kelco Aps	2008 - 2011	RTI
Miljøeffektiv teknologi til videregående rensning af overløbsvand og spildevand (MILTEK)	Tommas Leth, Krüger A/S tol@kruger.dk	DTU Miljø, Spildevands-center Avedøre A/S, Lynettefællesskabet A/S, Københavns Energi A/S, Århus kommune vand og Afløb,		MST
Metalsalte til fældning i regnvandsbassiner	Malene Caroli Juul, Silkeborg Vandforsyning mcj@silkeborgforsyning.dk			
Water reclamation technologies for safe artificial groundwater recharge (RECLAIM WATER) http://www.reclaim-water.org/	Claus Jørgensen, DHI cli@dhigroup.com	DHI, Aachen University(D), Technical University of Berlin(D), EAWAG(CH), Water research Institute, Cranfield University (UK), University of Barcelona (ES), Mekorot (ISR), UNESCO-IHE, Tsinghua University (China), BRGM (F), Aquafin NV, United Water (UK), UNAM (Mex), CSIR (SA), PUB (Sing), National University of Singapore (Sing).	2005 - 2008	EU FP7
Development of rehabilitation technologies and approaches for multipressured degraded waters and the integration of their impact on river basin management (AQUAREHAB) http://www.aquarehab.com/	Sebastian Sørensen, GEUS srs@geus.dk	KU(DK), VITO(B), UCL(B), Deutsches Forschungszentrum für Gesundheit und Umwelt(D), CTM Centre Tecnologic (ES), TU Delft(B), University of Stuttgart(D), Waageningen Universiteit(NL), Ben Gurion University of the Negev(ISR), Masarykova Univerzita(CZ), UNESCO-IHE(NL), University of Sheffield(UK), Politecnico di Torino(I), Hoganas AB(S), INERIS(F), Environmental Institute (SLO)	2009 - 2013	EU FP7
Center for Lake Restoration (CLEAR) http://www.lake-restoration.net/	Peter Engesgaard, IGG KU pe@geol.ku.dk	SDU, KU (FBL, IGG), GEUS, DMU		
Development and test of new cost-effective monitoring technologies and planning design for restoration of wetlands(MONITECH)	Brian Kronvang, DMU bkr@dmu.dk	Sorbisense A/S, COWI A/S	2009-2013	DSF
<i>In situ</i> characterization of microbial degraders of Triclosan and Methyl-Triclosan from wastewater treatment plants	Jeppe Lund Nielsen, AAU jln@bio.aau.dk		2008 - 2011	DTF

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Water resources				
Nitrate reduction in geologically heterogeneous catchments (NICA)	Jens Chr. Refsgaard, GEUS jcr@geus.dk	IGG KU, DAAS, UL, AU GI, AAG, KU Føi, Alectia, Aarhus municipality, SKY-TEM, DHI	2010 - 2014	DSF, Energi og Miljø
Tilførsel af lokalt rensset regnvand til ferskvandsområder	DHI			MST
New approaches to adaptive water management under uncertainty (NeWater) http://www.newater.info/everyone/1050	Hans Jørgen Henriksen, GEUS hij@geus.dk	GEUS, Alterra (NL), Cemagref (F), University of Osnabrück (D), HR Wallingford (UK), University of Cranfield (UK), IRSA (IT), Max Planck Institute of Meteorology (D), Technical University Delft (B), University of Madrid (ES), UFZ (D), Umeå University (S), University of Twente (B), Wageningen University (NL), Oxford University (UK), Geological Survey of Spain (ES) m.fl.		EU FP7
Creating tools for pesticide risk assessment and management in Europe (FOOTPRINT) http://www.eu-footprint.org/partners.html	Jeanne Kjær, GEUS jkj@geus.dk	BRGM(F), University of Hertfordshire(UK), Swedish University of Agricultural Sciences(S), Arvalis-Institut du Végétal(F), University Giessen(D), Cranfield University(UK), Agricultural University of Wroclaw(PL), ICPS(I), GEOSYS(F), INRA(F), University of Newcastle Upon Tyne(UK), Joint Research Centre(I), University of Ljubljana(SL), NAGREF(GR)	2006-09	EU FP6
Integrated infrastructure planning as key to sustainable urban water systems (2BG) http://www.2bg.dk/	Marina Bergen Jensen, KU-Life mbj@life.ku.dk	DTU-Miljø, DTU-Byg, AU, DHI, Carl Bro-Grontmij, Alectia A/S, Vejdirektoratet, Danva, Greve kommune, Odense kommune, Odense Vand A/S, Århus kommune, Københavns Energi, Københavns kommune		DSF, Energi og Miljø
Hydrological modelling for assessing climate change impacts at different scales (HYACINTS) http://hyacints.dk/index.shtml	Jens Christian Refsgaard, GEUS jcr@geus.dk	IGG KU, Geologisk Institut AU, DMI, DHI, Alectia A/S, GRAS A/S, Odense Vand A/S, Københavns Energi, Århus Vand og Spildevand, MC-Roskilde, MC-Odense		DSF, Energi og Miljø
Novel methods for integrated risk assessment of cumulative stressors in Europe (NO MIRACLE) http://nomiracle.jrc.ec.europa.eu/default.aspx	Hans Løkke, DMU hlo@dmu.dk	DMU + 37 partnere, herunder bl.a. NERC (UK), UFZ (D), Cardiff University (UK), Cambridge University (UK), University of Tübingen (D), Wageningen University (NL), WRc (UK), Finnish Environment Institute (SF), Alterra (NL), Stockholm University (S)		FP7
Storm- and Wastewater Informatics (SWI) http://swi.er.dtu.dk/	Peter Steen Mikkelsen, DTU-Miljø psm@er.dtu.dk	DTU-Informatik, DTU-Kemi, AAU, DHI, DMI, Krüger, PH-Consult, Avedøre spildevandscenter, Københavns Energi, Lynettefællesskabet, Århus kommune, Danva		DSF, Energi og Miljø
Safe and high-quality food production using low quality waters and improved irrigation systems and management (SAFIR) http://www.safir4eu.org/	Finn Plauborg, DJF KU finn.plauborg@agrsci.dk	DJF KU(D), CR(I), NERC(UK), BRGM(F), LSHTM(UK), FOI(D), DHI(D), NAGREF(GR), EAWAG(CH), IPP-PAS(PL), CAU(Kina), CAAS(Kina), Netafim(ISR), SSICA(I), Grundfos Biobooster A/S(D)		FP6
Source control options for reducing emissions of priority pollutants (SCOREPP) http://www.scorepp.eu/	Peter Steen Mikkelsen, DTU-Miljø psm@er.dtu.dk	DTU Miljø, Middlesex University (UK), Ghent University (B), Anjou Recherche (F), Envicat Consulting, University of Ljubljane (SLO), Desenvolupament i Societat Estudis S A, City of Stockholm (S), Université Laval (F)		FP7
Best management of stream banks, buffer zones and flood plains for reducing agricultural phosphorus losses (BUFFALO-P) http://www.dmu.dk/Om_DMU/Afdelinger_organisation/Ferskvandsoekologi/Forskning/L_OOP/BUFFALO.htm	Brian Kronvang, DMU bkr@dmu.dk			
Water resources research in Vietnam (VietAs) http://vietas.er.dtu.dk/index.php	Flemming Larsen, GEUS flar@geus.dk	DTU Miljø, GEUS, DHI, HUMG (Viet), HUS (Viet), NHEGD (Viet)		Enreca, FFU
Support to IWRM in Zambia	Flemming Larsen (GEUS) Peter Bauer (DTU) flar@geus.dk	University of Zambia, Lusaka	2007-2010	FFU, Danida
A hydrological observatory (HOBE) http://www.hobecenter.dk/	Karsten Høgh Jensen, IGG KU khj@geol.ku.dk	IGG KU, DMI, DTU Space, GI AU, GEUS	2007 - 2012	Villum Kann Rasmussen
Sustainable Water Use Securing Food Production in Dry Areas of the Mediterranean Region (SWUP-MED) http://www.swup-med.dk/	Svend Erik Jacobsen, KU-Life seja@life.ku.dk	KU Life, ICARDA (Syria), CNR (IT), Cukurova University (T), GSSAR (Syria)		FP7
Indikatorer for globale klimaforandringer i overvågningen (IGLOO)	Jens Würgler Hansen, Miljøcenter Ringkøbing, Flemming Skov, DMU	MC, DHI, Orbicon,		
Train the operators to prevent pollution from point sources (TOPPS)	Poul Henning Petersen, Dansk Landbrugsrådgivning, Landscentret php@landscentret.dk	PC Fruit (B), POVLT (B), CEMAGREF (FR), ARVALIS (FR), Harper-Adams University College (UK), Torino University (I), INSAD (P), UPS (ES)	2005 - 2008	LIFE ECPA

English title	Danish PL ¹⁾	Partners	Duration	Funding source
Integrated protection of surface and groundwater in agricultural regions (AGWAPLAN)	Irene Wiborg, Dansk Landbrugsrådgivning, Landscentret iaw@landscentret.dk	DJF AU, MST, Landboforeningen Odder, MC Aarhus	2005 - 2008	
European Harmonised procedures for quantifying nutrient losses from diffuse sources (EUROHARP) www.euroharp.org	Brian Kronvang, DMU bkr@dmu.dk	DMU + 21 partnere, herunder bl.a.	2002-2006	FP5
Baltic Nest Institute - an information environment for decision support system (BNI)	Bo Riemann, DMU bri@dmu.dk	Stockholm universitet, Miljøministeriet I Sverige, DTU Aqua	2008-2011	DSF
Mapping of risk areas for phosphorus losses in Denmark	Hans E. Andersen, DMU hea@dmu.dk		2005-2009	VMPIII
Water quality				
Bakterier i vand - Overvågning og begrænsning af mikrobiel vækst (BakMat) http://www.bakmat.dk/	Mikkel Agerbæk, DTI Mikkel.agerbak@teknologisk.dk	DTI, Aarhus Universitet, AAU, DTU Miljø, DHI, Danish Electronics, DELTA, Risø, PBI-Dansensor, Danfoss Analytical, Nordisk Wavin, Per Aarsleff, AKV, Grundfos Management, Århus Kommune Værker	2009 - 2013	RTI
Sundhedsaspekter ved regnbaseret rekreativ vand i store byer	Jes Clausen-Kaas, COWI jack@cowi.dk			MST
Miljøteknologi for Geologisk Lagring af CO ₂ (CO2-GS)	Dieke Postma, GEUS Flemming Larsen, GEUS djp@geus.dk flar@geus.dk	IGG (KU); ENV og RISØ (DTU); AAU; Vattenfall; Rambøll; Lawrence Berkely Lab; Heriot-Wat. og ETH.	2010-2013	Det Strategiske Forskningsråd
Online detection og karakterisering (Aqua fingeraftryk)	Erik Arvin, DTU era@er.dtu.dk			MST
Sensors for monitoring and control of water quality (SENSOWAQ) http://www.sensowaq.dk/	Hans-Jørgen Albrechtsen, DTU-Miljø hja@er.dtu.dk	AAU, GEUS, Grundfos, DTU Mekanik, DTU Nanotech, KU Life, DHI, SSI, Mikrolab, Guldager, CU Test, Københavns Energi, Århus Vand og Spildevand, Odense Vand A/S	2008 - 2012	FI
Center for Environmental and agricultural microbiology (CREAM) http://www.cream.life.ku.dk/	Jan Sørensen, KU-Life jan@ku.life.dk	DTU-Miljø, GEUS, KU-Farma		Villum Kann Rasmussen
Survival of indicator organisms and pathogens in water distribution networks (InPaNet)	Hans-Jørgen Albrechtsen, DTU-Miljø hja@er.dtu.dk			
On-line continuous monitoring of drinking water quality (OKDK)	Hans-Jørgen Albrechtsen, DTU Miljø hja@er.dtu.dk	KE, Gentofte kommune, CU Test, Århus Vand og Spildevand	2008 - 2010	
Biogeochemistry of electron transfer at iron oxide-solution interfaces in sediments (FERRI-FERRO)	Hans Christian Bruun Hansen, KU Life haha@life.ku.dk	Biologisk Institut SDU, DTU-Miljø		
Production in aquatic peri-urban systems in South East Asia (PAPUSSA) http://www.papussa.org/	Anders Dalsgaard, KU Life Anders.Dalsgaard@vet.mi.kvl.dk	University of Sterling(UK), NIHE(Vietnam), University of Durham(UK), RIA(Vietnam), UAF(Vietnam), RUA(Cambodia), Kasetsart university(Thailand)	2003 - 2007	EU
Comparative study between Uruguay and Danish streams and lakes	Erik Jeppesen, DMU ej@dmu.dk		2009-2012	FNU
ModelPROBE	Philip Mayer, DMU phm@dmu.dk		2008-2011	
BONUS	Hans E. Andersen, DMU hea@dmu.dk		2007-2010	DSF
PhD projects ²⁾	PhD studerende	Vejledere	Varighed	Ekstern/projekt finansiering
Seed dispersal in stream ecosystems		Annette Baattrup-Pedersen, DMU AU	2007-2010	AU Forskningsfond
Mobility of arsenic in chalk aquifers	Helle Ugilt Sø, DTU-Miljø			
Storm water infiltration in Copenhagen	Jan Jeppesen, AU			
Detection, characterisation and survival of commensal and pathogenic E. coli in drinking water	Anette S. Bukh, AAU		2008 -	
Life cycle and risk assessments of alternative technologies and resources for drinking water supply	Berit H. Godskesen, DTU Miljø			
Towards rational design of redox stratified biofilms	Susanne Lackner, DTU Miljø		-2009	
Dynamic modeling of xenobiotic organic compounds in the integrated urban wastewater system	Erik Ulfsson Lindblom, DTU Miljø			

PhD projects ²⁾	PhD studerende	Vejledere	Varighed	Ekstern/ projekt finansiering
Analysis of water and pollutants transport from highways	Thomas Ruby Bendtsen, AAU			
Statistical modelling of climatic extremes in relation to the hydrological cycle	Ida Bülow, DTU Miljø		-2010	
Quantitative health and microbial risk assessment for public warning during flood	Signe Tanja Andersen, DTU Miljø		-2010	
Integrating geophysical measurements into hydrological models	Daan Herckenrath		2008 - 2011	
Microbial Oxidation of Pyrite in Anaerobic Groundwater Aquifers	Sarka Vaclavkova, GEUS	Jens Aamand, GEUS, Bo Elberling, IGG KU	2009 - 2012	
Degradation of pesticides in the unsaturated zone and in the groundwater zone.	Gry Sander Janniche, DTU Miljø	Hans-Jørgen Albrechtsen, DTU Miljø	2005 - 2010	
Microbiological Risk Assessment of Urban Water: Development of Methods for Detection and Analysis of Pathogens with Legionella as Model organism	Louise Hjelmar Krøjgaard, DTU Miljø	Hans-Jørgen Albrechtsen, DTU Miljø	2008 - 2011	
Strategies for chemical healthy public swimming pools	Kamilla Speht Hansen, DTU Miljø	Hans-Jørgen Albrechtsen, DTU Miljø	2009 - 2011	
ATP measurements for monitoring microbial drinking water quality	Óluva Karin Vang, DTU Miljø	Hans-Jørgen Albrechtsen, DTU Miljø	2008 - 2011	
Water quality in water distribution networks – effects of small animals	Sarah Christine Christensen, DTU Miljø	Hans-Jørgen Albrechtsen, DTU Miljø	2007 -	
Enhanced degradation of pesticides in transition zones around water abstraction fields	Suzi Levi, DTU Miljø	Hans-Jørgen Albrechtsen, DTU Miljø	2009 - 2012	
The role of spatial heterogeneity as a limiting factor for pesticide biodegradation in contaminated aquifers	Meric Batioglu Pazarbasi	Hans-Jørgen Albrechtsen, DTU, Sebastian R. Sørensen, GEUS, Jens Aamand, GEUS	2009-12	GOODWATER
Unravelling the microbiological limitations for degradation of low pesticide concentrations in aquifers	Erkin Gözdereliler	Hans-Jørgen Albrechtsen, DTU, Sebastian R. Sørensen, GEUS, Jens Aamand, GEUS	2009-12	GOODWATER
Optimising crop production under restricted water resources	Fatemeh Razzaghi, AU	Mathias N. Andersen, AU	2008 - 2011	EU
Urban Runoff Design under influence of Climate Change	Qianqian Zhou, DTU Miljø	Karsten Arnbjerg-Nielsen, DTU Miljø	2009 - 2012	
Optimization of filters for water treatment by development of new diagnostic tools	Laure Lopato, DTU Miljø	Erik Arvin, DTU Miljø	2007 - 2010	
Release of organic compounds from plastic pipes from drinking water distribution	Martin Denberg, DTU Miljø	Erik Arvin, DTU Miljø	2006 - 2009	
Magnetic Resonance Sounding (MRS) applied to point source contamination and hydrological problems	Ahmad Behroozmand, GI AU	Esben Auken, GI AU	2009 - 2012	RISKPOINT
Quasi 3-dimensional integrated modeling of electromagnetic, hydrological and geological data	Casper Kirkegaard, GI AU	Esben Auken, GI AU	2008 - 2011	HOBE
Attenuation of organic pollutants at a groundwater -surface water interface	Janina Thunig, DTU Miljø	Poul Løgstrup Bjerg, DTU Miljø	2008 - 2011	
Hydro-geological characterisation on spatial and temporal scales of contaminated sites in clayey till	Timo Christian Kessler, DTU Miljø	Poul Løgstrup Bjerg, DTU Miljø, Bertel Nilsson, GEUS	2008 - 2011	REMTEC
Treatment trains for the remediation of aquifers polluted with MTBE and other xenobiotic compounds	Aikaterini Tsitonaki,, DTU Miljø	Poul Løgstrup Bjerg, DTU Miljø		
Using geophysical data for the calibration of groundwater/solute transport models	Daan Herckenrath, DTU Miljø	Peter Bauer-Gottwein, DTU Miljø	2008 - 2011	
Modelling concepts for the sustainable management of the Sian Ka'an Biosphere Reserve, Quintana Roo, Mexico	Bibi Ruth Neuman Gondwe, DTU Miljø	Peter Bauer-Gottwein, DTU Miljø		
Optimal allocation of water and land resources at the catchment scale	Niels David Riegels, DTU Miljø	Peter Bauer-Gottwein, DTU Miljø		

PhD projects ²⁾	PhD studerende	Vejledere	Varighed	Ekstern/ projekt finansiering
Improving Hydrological Models with Ground-Based Time-Lapse Gravity Surveys (HYDROGRAV)	Lars Christiansen, DTU Miljø	Peter Bauer-Gottwein, DTU Miljø	2007 - 2010	
A simulation-optimization approach for coupled water-energy systems	Silvio Javier Pereira Cardenal	Peter Bauer-Gottwein, DTU Miljø	2009 - 2012	
Catchment-scale integrated eco-hydrological modelling	Maria Loinaz, DTU Miljø	Peter Bauer-Gottwein, DTU Miljø	2009 - 2012	
Development of modelling tools to assess design and performance of bioremediation of chlorinated ethenes in low permeability media	Julie Chambon, DTU Miljø	Philip John Binning, DTU Miljø	2008 - 2011	
Determining the Impact of point Sources of Contamination on Groundwater Based Drinking Water Resources	Flavio Malaguerra, DTU Miljø	Philip John Binning, DTU Miljø, Hans-Jørgen Albrechtsen, DTU Miljø	2008 - 2011	DTU, KE
Quantification of uncertainties in risk assessment of groundwater contamination from point sources.	Mads Trolborg, DTU Miljø	Philip John Binning, DTU Miljø	2006 - 2010	
Environmental, social and economic impacts of augmenting conventional water supplies with desalinated water	Martin Rygaard, DTU Miljø	Philip John Binning, DTU Miljø	2006 - 2009	
Integrated modelling of sustainable urban drainage systems	Maria Kerstin Bergman, DTU Miljø	Philip John Binning, DTU Miljø	2008 - 2011	
Quantification of influential processes and method development for in situ remediation of contamination in low-permeability deposits	Camilla Christiansen, DTU Miljø	Poul L. Bjerg, Peter Bauer-Gottwein, DTU Miljø	2006 - 2009	
Enhanced Remediation of Low Permeability Clayey till Deposits Contaminated with Chlorinated Solvents	Ida Damgaard, DTU Miljø	Mette Broholm, DTU Miljø	2008 - 2011	
Modelling Spatial catchment hydrology using Distributed Temperature Sensing and Earth Observation systems	Karthikeyan Matheswaran, RUC	Eva Bøegh, RUC, Dan Rosbjerg, DTU Miljø	2010 - 2013	
Chemical profiling of oil and PAH polluted soils and drainage water – a step towards a novel paradigm in risk assessment	Esther Sørensen Boll, KU Life	Jan H. Christensen, KU Life		
Modelling geology and groundwater flow in complex geological settings - from local to regional scale	Troels Norvin Vilhelmsen, GI AU	Steen Christensen, GI AU	2008 2011	HYACINTS
Geology and groundwater flow in buried valleys	Theis Raaschou Andersen, GI AU	Steen Christensen, GI AU, Flemming Jørgensen, GEUS	2007 - 2010	
Geology and groundwater flow on a barrier coast	Søren Erbs Poulsen, GI AU	Steen Christensen, Keld Rømer Rasmussen, GI AU	2006 - 2009	Cheminova
Survival and transport of pathogens in soil	Anita Forslund, KU Life	Anders Dalsgaard, KU Life		
Groundwater - Lake interaction	Jacob Kidsmose, IGG KU	Peter Engesgaard, IGG KU, Bertel Nilsson, GEUS		CLEAR
Stream Hydrology	Eva Sebk, IGG KU	Peter Engesgaard, IGG KU, Eva Bøgh, RU	2010 - 2013	
Groundwater-stream interaction	Sachin Karan, IGG KU	Peter Engesgaard, Majken Looms, IGG KU	2008 - 2011	HOBE
Sub-marine groundwater discharge to the sea	Kinza Haider	Peter Engesgaard, IGG KU, Torben Sonnenborg, GEUS	2009 - 2012	HOBE
Flow and transport in riparian zones	Jannick Kolbjørn Jensen	Peter Engesgaard, IGG KU, Bertel Nilsson, GEUS	2009 - 2012	AQUAREHAB
Multiple environmental tracer analysis and geological modeling of the deep miocen aquifer within the Skjern å catchment	Peter Scharling, GEUS	Peter Engesgaard, IGG KU, Erik Skovbjerg, GEUS, Torben Sonnenborg, GEUS, Klaus Hinsbye, GEUS	2005 - 2009	
Estimation of evapotranspiration using the Eddy Covariance technique	Rasmus Ringgaard, IGG KU	Thomas Friberg, IGG KU	2008 - 2011	HOBE, VILLUM KANN
Phosphorus dynamics in flooded lowland soils	Lisa Heiberg, KU Life	Hans Christian Bruun Hansen, KU Life		
Fate and effect of toxic glycoalkaloids from Solanaceae in soil and groundwater	Pia Haugaard Jensen, KU Life	Hans Christian Bruun Hansen, KU Life, Ole Stig Jacobsen, GEUS	- 09	
Water, particle and colloid transport at the interface between macropores and fractures	Marie Habekost Nielsen, KU Life	Søren Hansen, KU Life, Vibeke Ernstsen, GEUS		
Agronomic and physiological studies of partial root-zone drying and deficit irrigation on potato in different soil textures	Seyed Hamid Ahmadi, DJF	Søren Hansen, KU Life	2006 - 2009	
Environmental studies on discharges of pharmaceutical substances from point sources	Anne Munch Christensen, KU Farma	Flemming Ingerslev, KU Farma		

PhD projects ²⁾	PhD studerende	Vejledere	Varighed	Ekstern/ projekt finansiering
Distribution of pathogens in soil	Tina B. Bech, GEUS	Carsten Suhr Jacobsen, GEUS	2011 - 14	
Immunological sensors for on-line measurement of pesticides in water	Basil Uttupu	Mogens H. Jacobsen, DTU, Claus Jørgensen DHI, Jens Aamand, GEUS	2008-11	SENSOWAQ
Stabilizing As and Cr contaminated soils with ochre sludge from waterworks	Sanne Skov Nielsen, DTU Miljø	Rasmus Jakobsen, DTU Miljø	2008 - 2011	
Stabilitet af salt-ferskvandsgrænsen i opsprækkede kalkbjergarter	Ellen Prip Bonnesen, DTU Miljø	Rasmus Jakobsen, Flemming Larsen, GEUS		
The effect of partial root zone drying irrigation on fruit yield and quality	Nauja Lisa Jensen, KU Life	Christian R. Jensen, KU Life	2007 - 2010	
Eco-hydrological modelling of stream valleys	Ole Munch Johansen, AAU	Jacob Birk Jensen, AAU	2008 - 2011	
Improved water management in Red River basin in Vietnam	Le Van Chinh, KU Life	Jens Raunsø Jensen, KU Life	2009 - 2012	
Climatic change impacts on groundwater and stream discharge	Lieke von Roosmalen, IGG KU	Karsten Høgh Jensen, IGG KU,	2007 - 2009	
Coupling of meteorological and hydrogeological models for climate purpose	Søren Højmark Rasmussen, DMI	Karsten Høgh Jensen, IGG KU, Jens Hesselbjerg Christensen, DMI Michael Butts, DHI, Jens Christian Refsgaard, GEUS	2008 - 2011	HYACINTS
Estimation of recharge	Eline Bojsen Haarder, IGG KU	Karsten Høgh Jensen, IGG KU, Majken C Looms	2009 - 2012	
	Xiulan He, IGG KU	Karsten Høgh Jensen, IGG KU	2010 - 2013	
Experimental and numerical investigations of subsurface transport of gaseous CO ₂	Rune Nørbæk Lassen	Karsten Høgh Jensen, IGG KU	2010 - 2013	
Estimation of precipitation from weather radar	Xin He, IGG KU	Karsten Høgh Jensen, IGG KU, Flemming Vejen	2008 - 2011	
Coupled climate-hydrological model for Denmark	Morten Andreas Dahl Larsen, IGG KU	Karsten Høgh Jensen, IGG KU, Jens Christian Refsgaard, GEUS, Torben Sonnenborg, GEUS, Jens Hesselbjerg Christensen, DMI, Michael Butts, DHI	2009 - 2012	HYACINTS
Uncertainty in hydrological change modelling	Lauren Seaby, GEUS	Karsten Høgh Jensen, IGG KU, Jens Christian Refsgaard, GEUS, Torben O. Sonnenborg, GEUS	2009 - 2012	HYACINTS
Interactions between hydrology and biology	Mette Frandsen, GEUS	Ole Pedersen, BI KU, Bertel Nilsson, GEUS, Peter Engesgaard, IGG KU	2010-2013	FNU
The hydrological cycle in Denmark in a changed climate	Ida Karlsson, GEUS	Karsten Høgh Jensen, IGG, KU, Jens Christian Refsgaard, GEUS, Torben O. Sonnenborg, GEUS	2010 - 2014	CRES
	Timo, GEUS			
Development of a Novel Water Treatment Technology based on Natural Biogeochemical Processes - Exploring the benefits of Open University Innovation	Karin Cederquist, KU Life	Marina Bergen Jensen, Peter Holm		
Generation and validation of novel methods, embedded in biological and chemical processes, for diagnosing, and predicting development of, contaminated soils and groundwater	Charlotte Nielsen Legind, DMU	Ulrich Karlson, DMU AU		
Source remediation of soil- and ground water contamination with nano- and micro-scale iron particles	Annika Sidelmann Fjordbøge, DTU Miljø	Peter Kjeldsen, DTU Miljø	2006 - 2009	
Concepts, tools and measures for WFD river basin management planning	Bjarke Stoltze Kaspersen, RU	Tyge Kjær, RU, Torsten V. Jacobsen, DHI, Eva Bøgh, RU	2009 - 2012	
Hydrometric methods		Brian Kronvang, DMU AU	2009 - 2012	AU Forskningsfond
Water quality objectives for sulfonylurea herbicides: Detection and protection limits	Rikke Tjørnhøj Rosenkrantz, DTU Miljø	Ole Kusk, DTU Miljø		
Saltwater Intrusion in Red River Delta Plain Aquifers	Hoan Van Hoang, Univ Mining and Geol, Hanoi	Flemming Larsen, GEUS	2008 - 2011	FFU, Danida
Paleo saltwater in Red River Delta Plain aquifers	Luu Thi Tran, Univ Mining and Geol, Hanoi	Flemming Larsen, GEUS	2008-2011	FFU, Danida
Support to IWRM in Zambia	Charity Mundia Nalweya, Univ Zambia	Flemming Larsen, GEUS	2008 - 2012	FFU, Danida
Soil bio-chemical properties in response to deficit irrigation strategies	Yaosheng Wang, KU Life	Fulai Liu, Christian R. Jensen, Andreas de Neergaard, Lars Stoumann Jensen, KU Life	2008 - 2011	
Technologies for Storm and Grey Water Treatment	Simon Toft Ingværtsen, KU Life	Jacob Magid, KU Life		
Optimised model-based monitoring of water quality in dynamic discharges from urban areas	Heidi Birch, DTU Miljø	Peter Steen Mikkelsen, DTU Miljø	2009 - 2012	
Source-flux-fate modelling of priority pollutants in stormwater systems	Luca Vezzaro, DTU Miljø	Peter Steen Mikkelsen, DTU Miljø	2007 -	

PhD projects ²⁾	PhD studerende	Vejledere	Varighed	Ekstern/ projekt finansiering
Framework for real-time control of urban wastewater systems	Anders Breinholt, DTU Miljø	Peter Steen Mikkelsen, DTU Miljø	2007 -	
Uncertainty and adaptive estimation in storm- and wastewater system modelling	Morten Borup, DTU Miljø	Peter Steen Mikkelsen, DTU Miljø	2009 - 2012	
Management of Integrated Urban Water Systems	Chiara Fratini DTU Management	Morten Elle DTU Miljø Peter Steen Mikkelsen DTU Miljø Marina B. Jensen, KU Life		
Anaerobic transformations of wastewater organic matter	Elise Alice Rudelle, Sektion for Miljøteknologi ved AAU	Asbjørn Haaning Nielsen, Jes Vollertsen, Thorkild Hvitved-Jacobsen, AAU	2008 - 2011	
Optimization of Biological P-removal	Thu Hien Nguyen, Biotechnologi, AAU	Per Halkjær Nielsen, AAU		
The Microbial Database over Danish wastewater treatment plants	Arthur Tomasz Mielczarek, Biotechnologi, AAU	Per Halkjær Nielsen, AAU		
Detection of pathogens in wastewater systems with CARD-FISH	Malgorzata Sniady, Biotechnologi, AAU	Per Halkjær Nielsen, AAU		
Sealing materials for groundwater wells	Klaus Köser, AAU	Michael R. Rasmussen, AAU mr@civil.aau.dk	2008 - 2011	
Preventing urban flooding with weather radar technology	Dezhao Liu, AAU	Michael R. Rasmussen, AAU mr@civil.aau.dk		
Combining C-band and X-band weather radars for accurate precipitation measurements over urban areas	Jesper Ellerbæk Nielsen, AAU	Michael R. Rasmussen, AAU mr@civil.aau.dk	2009 - 2012	
Using in-sewer sensors for accurate weather	Jakob Badsberg Larsen, AAU	Michael R. Rasmussen, AAU mr@civil.aau.dk	2009 - 2012	
Groundwater management: Real-time optimization and control	Annette Kirstine Hansen, DTU Miljø	Dan Rosbjerg, DTU Miljø		
Optimization of water resources systems using evolutionary algorithms with surrogate modelling	Emiliano Gelati, DTU Miljø	Dan Rosbjerg, DTU Miljø	2007 - 2010	
Groundwater management: Real-time optimization and control	Annette K. Hansen, DTU Miljø	Dan Rosbjerg, DTU Miljø, Henrik Madsen, DHI, Peter Bauer-Gotwein, DTU Miljø	2007 - 2010	
Fungal degradation of pesticides – construction of microbial consortia for bioremediation	Lea Ellegaard, KU	Søren Rosendahl, KU Nat, Jens Aamand GEUS	2010-13	MIRESOWA
Bacterial degradation of pesticides – construction of microbial consortia for bioremediation.	Berit Elkær Knudsen, KU	Søren Rosendahl, KU Nat, Jens Aamand GEUS	2010-13	MIRESOWA
Detection, characterization and survival of commensal and pathogenic E. coli in drinking water	Annette Søndergaard Bukh, Sektion for Miljøteknologi, AAU	Peter Roslev, AAU	2008 - 2010	FI (SENSO-WAQ), AAU
Uncertainty of discharge measurements	Jane Bang Poulsen, AU	Keld Rømer Rasmussen, AU, Jens Ledet, Hans Estrup Andersen	2009 - 2013	
	Mikael Kamp Sørensen, GRAS	Inge Sandholt, IGG KU		
Data Assimilation of Land Surface Models	Marc-Etienne Ridler, IGG KU	Inge Sandholt, IGG KU, Henrik Madsen, DHI	2008 - 2011	
Water stress assessment on regional scales by Earth Observation	Mads O. Rasmussen, IGG KU	Inge Sandholt, Karsten Høgh Jensen, IGG KU	2006 - 2009	AMMA
Ground water recharge estimation based on soil moisture monitoring	Vicente Vasquez, AU	Kirsten Schelde, AU	2010 - 2013	HOBE, SAFE
Role of Water Connectivity on Bacterial Growth and Pollutant Removal in Unsaturated Conditions	Gamze Gülez, DTU Miljø	Bart Smets, DTU Miljø	2008 - 2011	
Soil heterogeneity and its influence on contaminant degradation, metabolite formation and leaching to the groundwater	Nora Badawi, KU Life	Jan Sørensen, KU Life, Jens Aamand, GEUS		
Mechanisms and adaptive processes underlying microbial degradation of ecological relevant contaminant concentrations	Allan Simonsen, KU Life	Jan Sørensen KU Life, Jens Aamand GEUS	2008-11	CREAM
Activity and distribution of BAM degraders in soil	Ole R.Sjøholm	Jan Sørensen KU Life, Ole Nybroe KU Life, Jens Aamand, GEUS	2008-10	CREAM
Understanding and suppressing critical noise phenomena in hydrogeophysical methodology	Nicklas Skovgaard Nybo, GI AU	Kurt I. Sørensen, GI AU	2006 - 2010	

PhD projects ²⁾	PhD studerende	Vejledere	Varighed	Ekstern/ projekt finansiering
Cost efficient management of nutrients to water bodies with focus on phosphorus regulation	Line Block Hansen, KU Life	Bo Jellesmark Thorsen, KU Life, Berit Hasler, AU		
Effects of the pesticide lambda-cyhalothrine on biological structure, function and re-colonisation in streams		Peter Wiberg-Larsen	2007 - 2009	MST
Integrating remote sensing and hydrological modelling for groundwater resources assessment and sustainable use in the North China Plains	Yunqiao Shu, IGG KU	Karen Vilholth, GEUS, Karsten Høgh Jensen, Inge Sandholt, IGG KU	2007 - 2010	IWMI
	Jacob Kidsmose, IGG KU	Karen Vilholth, GEUS		
Hydrogen sulphide induced concrete corrosion of sewer networks	Henriette Stokbro Jensen, Sektion for Miljøteknologi ved AAU	Jes Vollertsen, Asbjørn Haaning Nielsen, Thorkild Hvitved-Jacobsen, AAU	2005 - 2008	STVF
Advanced treatment of urban stormwater runoff	Tove Wium-Andersen, Sektion for Miljøteknologi ved AAU	Jes Vollertsen, Asbjørn Haaning Nielsen, Thorkild Hvitved-Jacobsen, AAU	2007-2011	AAU, UWT, PH-Consult

1) Ved EU projekter, er det koordinatoren, hvis det er et dansk ledet projekt, subsidiært den danske partners projektleder.

Links til andre forskningsområder og lister:

- www.Climateprojects.dk
- <http://www.viva.life.ku.dk/Forskning/Forskningsprojekter.aspx>

Projekter fra KU-Life (opdateret Okt 2010)

Life Responsible	Life main applicant (Y/N)	Project title	Co-applicants	Other partners	Source of funding	Start date	End date
Lars Bo Pedersen	Y	Alternative road salt			Kbh. kommune		
Lars Stoumann Jensen	N	Garden-Park Wastes	DTU			2009	2010
Lars Stoumann Jensen	Y	Validation of carbon storage	SL		MST	2010	2010
Marina Bergen Jensen	Y	Innovation in the...19k	Rørcenter Tech.		RTI	01.01.08	31.12.09
Marina Bergen Jensen	N	Green roofs in Copenhagen	Nykilde Frø		Kbh. kommune	01.01.10	01.03.11
Marina Bergen Jensen	y	Videnkupon			RTI		
Christian Richardt Jensen	Y	SIFA	DJF, Uni Ghana,		Danida	01.01.10	31.12.13
Christian Richardt Jensen	Y	Sustainable Fruit Production	DJF		Ministry of Food, Agriculture and Fisheries	2009	2013
Fulai Liu	N	Increased water utilization in potatoes	DJF, Landbrugets kartoffelfond, AAU,		DFFE	01.01.10	31.12.13
Hans Christian Bruun Hansen	Y	Iron-X	DTU	Uni. Iowa	FTP	01.09.09	31.08.12
Jørgen Lindskov Christiansen	Y	Bambara groundnut genetic resources	Uni Burkina Faso, Uni Tanzania		Danida, FFU,	01.01.09	31.12.11
Karsten Petersen	Y	Smoke Project			MST	01.01.06	
Karsten Petersen	Y	Compacting soil			Landskontoret for planteavl	01.12.09	
Karsten Raulund-Rasmussen	Y	Willow win-win			DSF		
Lars Stoumann Jensen	N	SUSANE-II	SDU, 5 Vietnamese research institutions,	International network,	FFU/ Danida	2010	2013
Lars Stoumann Jensen	N	Clean Waste	SDU		DSF	2010	2014
Lars Vesterdal	Y	Forest Focus			EU, Skov og Naturstyrelsen	01.01.09	31.12.10
Marina Bergen Jensen	N	DPF prototype	Rambøll	>10	MST, Kbh. Energi, By og Havn,	01.01.09	01.06.10
Ole Nybroe	Y	Metal contaminated soils		Michigan State Uni, KU Löwe Belgium, KU NAT,	FTP	01.01.11	31.12.13
Ole Nybroe	Y	Integrated disease etc.	%		Udenrigsministeriet		
Ole Nybroe	Y	Geofish			FI		
Ole Nybroe	Y	Aquaculture	Dansk Dambruger Forening, IFV,		DFFE		
Per Gundersen	Y	Carbon sequestration	%	%	VKR	01.04.09	01.04.12
Søren Hansen	N	DAISY 2D	DHI		MST		
Anders Dalsgaard	Y	Water supply, sanitation and hygiene promotion in Vietnam			Danida	01.01.07	?

PhD projekter fra KU-Life (Opdateret Okt 2010)

Name	Project title	Source of funding	Start date	End date
Antje Backhaus	Rainwater handling in urban areas		2008	2011
Toke Emil Panduro Petersen	Rainwater economy		2008	2011
Liping Fang	Sorption of TBT to black carbon		2008	2011
Peter Christensen	Groundwater biomarkers to track landuse	ViVa	2009	2012
Karina Jessing	Biomedicine production: Is it environmentally safe?	LIFE	2008	2011
Lihzi Huang		LIFE		
Rikke G Ovesen	Benzalkonium in the environment	LIFE	2008	2011