

2BG LIST OF PUBLICATIONS – published and planned

PhD theses

- Fryd, O. 2011. Planning for sustainable urban drainage systems. Forest & Landscape, University of Copenhagen, 2011. 154 s.
- Jeppesen, J. 2010. Quantitative hydrological effects of urbanization and stormwater infiltration in Copenhagen, Denmark. Department of Earth Sciences, Aarhus University.
- Ingvertsen, S.T. Technologies for storm and greywater treatment. University of Copenhagen, due September 2011.
- Backhaus, A. Urban stormwater landscapes – values and design. University of Copenhagen, due September 2011.
- Bergman, M.K. Integrated modelling of sustainable urban drainage systems. DTU, due September 2012.
- Birch, H.: Optimeret model-baseret monitoring af vandkvalitet i dynamiske udledninger fra byer. DTU, due September 2012
- Petersen, T.E.P. Sustainable urban water solutions: Enhanced valuation techniques and economic regulation instruments. University of Copenhagen, due March 2013

Book chapters

- Pauleit, S., Fryd, O., Backhaus, A. and Jensen, M.B. Green infrastructure to face climate change in an urbanizing world. In Meyers, R.A. (ed.). *Encyclopedia of Sustainability Science and Technology*, Berlin: Springer. In press, due January 2012.

International peer-reviewed articles

- Backhaus, A., Jensen, M.B. and Dam, T. Stormwater design challenges – results from a workshop with six teams of landscape architects. *Urban Water Journal: Submitted*.
- Backhaus, A. Portland's Urban Center Plaza – Green infrastructure moved in. *Journal of Landscape Architecture: Submitted*.
- Backhaus, A. The design process as research method in Landscape Architecture. *Journal of Landscape Architecture: Planned*.
- Backhaus, A. and Fryd, O. Large scale design for landscape based stormwater management - lessons learned from a case study in Copenhagen. *Environment and Planning B: Planning and Design: Submitted*.
- Backhaus, A., Fryd, O., Jensen, M.B. and Dam, T. A Review of 20 Landscape Based Stormwater Management Projects in Northern Europe. *Landscape Journal: Planned*
- Bergman, M., Fryd, O., Jeppesen, J., Mikkelsen, P.S., Mark, O., Jensen, M.B. and Binning, P. Quantifying the potential of local stormwater infiltration measures in western Copenhagen. *Water Science and Technology: Planned*
- Bergman, M.K., Hedegaard, M.R., Petersen, M.F., Binning, P., Mark, O., and Mikkelsen, P.S. 2010. Evaluation of two stormwater infiltration trenches in central Copenhagen after 15 years of operation. *Water Science and Technology*, 63(10):2279-2286.
- Bergman, M.K., Mark, O., Kuczera, G., Mikkelsen, P.S. and Binning, P.J. Representing soakaways in a physically distributed urban drainage model – upscaling individual allotments to an aggregated scale. *Journal of Hydrology: Submitted*.
- Bergman, M.K., Mark, O., Mikkelsen, P.S. and Binning, P.J. Modelling small scale infiltration systems and its effects on sewer flows and groundwater using the OpenMI modelling framework. *Journal of Hydrology: Planned*.
- Birch, H. et al.: Dansk arbejdstitel: Strategi for monitoring af miljøfremmede stoffer i regnvandsafstrømning. *Planned*
- Birch, H., et. al.: Dansk arbejdstitel: Passive samplere i kombination med hydrologiske modeller. *Planned*
- Birch, H., Gouliarmou, V., Lützhøft, H.-C.H., Mikkelsen, P.S., and Mayer P. 2010. Passive dosing to determine the speciation of hydrophobic organic chemicals in aqueous samples. *Analytical Chemistry*, 82: 1142-1146.
- Birch, H., Mikkelsen, P.S., Jensen, J.K., and Lützhøft, H.-C.H. Micropollutants in Stormwater Runoff and Combined Sewer Overflow in the Copenhagen Area, Denmark. *Water Science and Technology: Accepted*.
- Fryd, O., Dam, T. and Jensen, M.B. Planning framework for sustainable urban drainage systems. *Water Policy: Submitted*.
- Fryd, O., Jensen, M.B., Ingvertsen, S.T., Jeppesen, J. and Magid, J. 2010. Doing the First Loop of Planning Sustainable Urban Drainage System Retrofits – a Case Study from Odense, Denmark. *Urban Water Journal*, 7 (6), 367-378.
- Ingvertsen, S.T., et al. Working title: Assessment of engineered soils in roadside infiltration swales after several years of operation. *Journal of Environmental Quality: Planned*
- Ingvertsen, S.T., et al. Working title: Laboratory column studies on engineered soils from existing roadside infiltration swales - flow pattern and treatment efficiency. *Journal of Environmental Quality: Planned*

- Ingvertsen, S.T., Jensen, M.B., and Magid, J.: A minimum data set to document the efficiency of stormwater treatment facilities. *Journal of Environmental Quality: Accepted*.
- Jensen, M.B., Backhaus, A. And Fryd, O. Landscape elements for stormwater management and their greening potential. *Urban Forestry and Urban Greening: Submitted*.
- Jensen, M.B., Backhaus, A., Bergman, M., Birch, H., Fratini, C., Fryd, O., Ingvertsen, S.T., Jeppesen, J., Petersen, T.E.P., and Magid, J. Potentials and limitations for landscape based urban drainage in Copenhagen – a multidisciplinary case study. *Urban Water Journal: Planned*
- Jeppesen, J. and Christensen, S. A Modflow Infiltration-Drainage Device Package for simulating the hydrological consequences of stormwater infiltration. *Groundwater: Submitted*.
- Jeppesen, J., Christensen, S., and Ladekarl, U. 2011. Modelling the historical water cycle of the Copenhagen Area 1850-2003. *Journal of Hydrology, 404: 117-129*.
- Jeppesen, J., Fryd, O., and Christensen, S. An integrated urban hydrology model as a tool for the planning of citywide sustainable urban drainage system retrofits in Copenhagen, Denmark. *Journal of Hydrology: Planned*
- Nielsen, S.B., Hoffmann, B., and Elle, M. 2009. Mobilizing the Courage to Implement Sustainable Design Solutions: Danish Experiences. *Architectural Engineering and Design Management, 5(1) 53-61*.
- Petersen, T.E.P., and Zhou, Q. Working title: Combining stormwater simulation and environmental valuation models to evaluate alternative infrastructure decisions to mitigate climate change induced urban water threats. *Journal of Environmental Management: Planned*.
- Veie, K.L., and Petersen, T.E.P. Working title: Estimating demand for urban green space with special attention to quality. *Environmental and Resource Economics, eller Ecological Economics: Planned*

Conference papers, posters and abstracts

- Backhaus, A., and Fryd, O. 2009. Confronting the problem of implementing sustainable urban drainage systems: an interdisciplinary case study project in Copenhagen to support decision making on green infrastructure development. In: Recovering with green infrastructure: proceedings from the 46th IFLA World Congress. Rio de Janeiro, Brazil, October 21 – 23, 2009. (paper)
- Backhaus, A., and Fryd, O. 2010. Confronting the problem of implementing sustainable urban drainage systems: an interdisciplinary case study project in Copenhagen. In: Abstracts proceedings of the 4th Annual Meeting of The Danish Water Research Platform (DWRP) – Forskningsplatformen Vand. Copenhagen, Denmark, January 28 – 29, 2010. (abstract)
- Backhaus, A., and Fryd, O. 2011. Connected disconnections - a case study on landscape based stormwater management in Copenhagen. ICLEI 2nd World Congress on Cities and Adaptation to Climate Change, Bonn, Germany, June 3 – 5m, 2011. (paper)
- Backhaus, A., Dam, T., Pauleit, S., and Jensen, M.B. 2008. Stormwater management in the urban landscape: integrating engineering and landscape architecture for sustainable solutions. International Conference on Water and Urban Development, Leuven, Belgium, September 2008.
- Bergman, M., Binning, P, Mikkelsen, P.S., and Mark, O. 2009. Integrated modeling of soakaways on allotment scale. 8th Int. Conference on Urban Drainage Modelling, Tokyo, Japan, September 7 – 11, 2009.
- Bergman, M., Binning, P, Mikkelsen, P.S., and Mark, O. 2009. Integrated modeling of soakaways on allotment scale. 6th Int. Water Sensitive Urban Design Conference, Perth, Australia, May 5 – 8, 2009.
- Bergman, M., Fryd, O., Jeppesen, J., Mikkelsen, P.S., Mark, O., Jensen, M.B., and Binning, P. 2011. Quantifying the potential of local stormwater infiltration measures in western Copenhagen. Cities of the Future: sustainable urban planning and water management. Stockholm, Sweden, May 22 – 25, 2011. (paper and poster)
- Birch, H., Mikkelsen, P.S., Jensen, J.K., and Lützhøft, H.-C.H. 2010. Xenobiotics in Stormwater Runoff and Combined Sewer Overflows. DIPCON 2010, Beauvé, Quebec, Canada, September 12 – 17, 2010.
- Birch, H., Sharma, A., Vezzaro, L., Mikkelsen, P.S., and Lützhøft, H.-C.H. 2011. Passive sampling and modeling of PAHs and heavy metals in stormwater runoff. 12th International Conference on Urban Drainage, Porto Alegre/Brazil, September 11 – 16, 2011: Accepted.
- Fryd, O. 2010. Defining water sensitive urban landscapes for developing countries. Climate Change Impact, Adaptation and Mitigation. Copenhagen, Denmark, October 7, 2010. (paper)
- Ingvertsen, S.T., Jensen, M.B., and Magid, J. 2010. Infiltration and treatment of urban stormwater: how well do swale-trench systems work? Novatech 2010, Lyon, France, June 27 – July 1. (paper and poster)

- Jensen, M.B., 2008. Stormwater management in the urban landscape. 11th ICUD conference, Edinburgh, Scotland, August 31 – September, 5, 2008.
- Jensen, M.B., Bruus, A., Fryd, O., Ingvertsen, S.T., and Jeppesen, J. 2009. Approaching inter-disciplinary planning of urban drainage retrofits. In: *Climate Change: Global Risks, Challenges and Decisions*, IOP Conf. Series: Earth and Environmental Science 6 (2009) 332019, IOP Publishing Ltd. Institute of Physics (IOP). (poster and abstract)
- Jeppesen, J., Christensen, S., and Ladekarl, U. 2008. Conceptual model for simulating the water cycle of the Copenhagen area, Denmark. MODFLOW and More: Ground Water and Public Policy, Colorado, USA, May 19 – 21, 2008.
- Nielsen, S.B., Elle, M.; Hoffmann, B., Rødtnes, M., and Becht, J.P. 2007. Integrated sustainable urban infrastructures in building projects. 51st IFHP World Congress, Copenhagen, Denmark, September 23 – 26, 2007.
- Nielsen, S.B., Jensen, M.B., Øhlenschläger, N.W., Jensen, E.H., Andersen, H.K. and Dengsøe, N. 2011. Disconnecting the autopilot in urban water projects: creating an innovation platform for sustainability. *Cities of the Future: sustainable urban planning and water management*. Stockholm, Sweden, May 22 – 25, 2011. (paper).
- Pauleit, S., Dam, T., Fryd, O., Jensen, M.B. 2008. From Black to Blue and Green. In: Müller, N., Knight, D., Werner, P. (eds.). *Book of Abstracts, Third Conference on the Competence Network Urban Ecology*. BfN-Skripten 229-1. (abstract)
- Petersen, T.E.P., and Thorsen, B.J. 2011. Handling Omitted Variables Bias, Multicollinearity and Spatial Autocorrelation in Large-scale Hedonic House Price Valuation of Forest Acceptability. 18th Conference EAERE, Rome, Italy, June 29 – July 2, 2011.

Professional articles

- Backhaus, A. 2008. Planen mit Regenwasser. *Garten+Landschaft*, 11.
- Backhaus, A., and Jensen, M.B. 2009. Plantevalg til regnhaver. *Videnblade Park og Landskab*, 4.03-02, *Forest & Landscape, Denmark*.
- Backhaus, A., and Jensen, M.B. 2010. En dansk oversigt: Værd at vide om regnvandsafledning. *Teknik & Miljø : Stads og Havneingeniøren*. nr. 1, January 2010. s. 54-57
- Backhaus, A., and Jensen, M.B. 2010. Lokal afledning af regnvand, LAR, kan bruges som en samlebetegnelse for landskabsbaserede alternativer til større kloakker. Oversigt over begreber og principper. *Grønt Miljø Marts 2010*
- Backhaus, A., Jensen, M.B. and Nørgaard, M. Regnvand i grønne helhedsløsninger - Med politisk prioritering og organisatorisk forankring har Seattle og Portland i det nordvestlige USA taget fat ved nældens roden med bl.a. afkobling og forsinkelse af regnvand. *Grønt Miljø December 2010*
- Birch, H., Lützhøft, H.-C.H., and Mikkelsen, P.S. 2010. Tungmetaller og miljøfremmede organiske stoffer i regnbetingede udledninger: Nye stikprøvemålinger. *Dansk Vand*, 78 (5): 37-40.
- Dam, T., and Backhaus, A. 2009. Forandring i klima udfordrer vejen og dens omgivelser. *Trafik & Veje*, september.
- Fryd, O. Planlægning af LAR-anlæg på byniveau. *Grønt Miljø. Planned August 2011*.
- Fryd, O., Backhaus, A. and Jensen, M.B. 2011. Regnvand og byens form. *Videnblade Park og Landskab*. 3.1-75, *Forest & Landscape Denmark*.
- Fryd, O., Backhaus, A. and Jensen, M.B. 2011. Regnvand og byens grønne struktur. *Teknik & Miljø*, August: Accepted.
- Fryd, O., Backhaus, A. and Jensen, M.B. 2011. Vend nedløbsrøret - og nedsiv regnvandet gennem græsplænen. *Videnblade Park og Landskab*. 4.3-5, *Forest & Landcape Denmark*.
- Hansen, L.J., and Bruus, A. 2008. Med udsigt til mere regn. *EVA*, 5:10-11.
- Ingvertsen, S.T., Holm, P.E., Magid, J., and Jensen, M.B. 2010. Regnafstrømningens kvalitet på agendaen. *Vand & Jord* 17 (4), 139-141.
- Jensen, M.B. 2008. Er arealbaseret regnvandshåndtering et reelt alternativ til større kloakker? *Mikroben*, 41:7-10.
- Jensen, M.B. 2008. Klimatilpasning og bæredygtig byudvikling som drivkraft for innovation. *EVA*, april:24-28.
- Jensen, M.B., and Nielsen, S.B. 2009. Case 12: Forøgelse af afvandingkapacitet ved integreret planlægning og innovation. I: *Inspirationsguide for proaktiv klimatilpasning i vandsektoren*, DANVA.
- Jensen, M.B., and Nielsen, S.B. 2009. Sæt regnvand på dagsordenen ved byudvikling og klimaplanlægning. *Byplan*, 2: 38-40 og *Dansk Vand* 5:6-8.
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- Jensen, M.B., Backhaus, A., and Myklestad, M.R. 2009. Aflast kloakken – Lav dit eget regnbed. *Haven*, oktober

- Jensen, M.B., Backhaus, A., Fryd, O. and Dam, T. 2010. Landskabsbaseret regnvandshåndtering i København. *Vand & Jord*, 17 (4):123-127
- Jensen, M.B., Fryd, O. and Backhaus, A. 2010. Regnbede – kreativ håndtering af regn. *Kunnskabsblad fra FAGUS Rådgivning*, Oslo, 1.
- Jensen, M.B., Fryd, O., Backhaus, A. 2009. Regnbede - kreativ håndtering af regn på egen grund. *Videnblade Park og Landskab*. 4.3-1, *Forest & Landscape Denmark*.
- Jensen, M.B., Fryd, O., Backhaus, A., Ingvertsen, S.T., Pauleit, S., Dam, T.E., Bergman, M., Birch, H., and Mikkelsen, P.S. 2009. Holland: Landskabsbaseret afvanding. *Teknik & Miljø*, 3: 38-40.
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- Jensen, M.B., Mikkelsen, P.S., Mark, O., Hvilshøj, S. and Pauleit, S. 2007. Arealbaseret afvanding af danske byer. *Teknik og Miljø*, 11:48-50.
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- Jeppesen, J., and Plum, V. 2009. Integreret modellering af det urbane vandkredsløb og konsekvenser ved nedsivning af regnvand. *Teknik og Miljø*, 2009.
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- Backhaus, A., Bergman, M., Birch, H., Fryd, O. and Ingvertsen, S.T. 2008. Sustainable Urban Drainage Systems - 8 case studies from the Netherlands. *Report. Danish Centre for Forest, Landscape & Planning, University of Copenhagen*.
- Fryd, O., Backhaus, A., Jeppesen, J., Ingvertsen, S.T., Birch, H., Bergman, M., Petersen, T.E.P., Fratini, C. and Jensen, M.B. 2009. Connected disconnections: Conditions for landscape-based disconnections of stormwater from the Copenhagen sewer system in the catchment area for River Harrestrup. *Report. Danish Centre for Forest, Landscape & Planning, University of Copenhagen*.
- Jensen, M.B. and Fryd, O. 2009. Den blå by - udfordringer og muligheder. *Forest & Landscape Working Report 88/2009. Danish Centre for Forest, Landscape & Planning, University of Copenhagen, for the Danish Agency for Spatial and Environmental Planning, Ministry of the Environment, Denmark*.