

CURRICULUM VITAE

Jörgen Rosberg

CURRENT EMPLOYMENT: SMHI, Norrköping

Phone: +4611495 8181

Email: jorgen.rosberg@smhi.se

YEAR OF BIRTH: 1973

NATIONALITY: Sverige

EDUCATION:

2003 **M.Sc. in Hydrology, University of Uppsala, Sweden**

PROFESSIONAL EXPERIENCE:

2002 **SMHI, Project employment at the Hydrological Research department**

2004 **SMHI, Research Scientist at the Hydrological Research department**

REPORTS / PUBLICATIONS:

2013	Strömbäck, L, Foster, K, and Rosberg, J (2013) Data and Provenance Management for Climate Effect Studies. Daption of Climate Data with Distribution Based Scaling for Hydrological Simulations. Proceedings of DBKDA 2013, Seville, Spain.
2011	Olsson, J., Yang, W., Graham, L.P., Rosberg, J., and J. Andréasson (2011) Using an ensemble of climate projections for simulating recent and near-future hydrological change to Lake Vänern in Sweden, Tellus, 63A, 126–137.
2011	Wetterhall, F, Graham, P, Andréasson, J, Rosberg, J and Yang, W.,(2011), Using ensemble climate projections to assess probabilistic hydrological change in the Nordic region, Nat. Hazards Earth Syst. Sci., 11, 2295–2306.
2010	Yang, W., Andréasson, J., Graham, LP., Olsson, J., Rosberg, J. and Wetterhall, F. : Distribution-based scaling to improve usability of regional climate model projections for hydrological climate change impacts studies. Hydrology Research, 41.3–4, 211-228.
2010	Lindström, G., Pers, C., Rosberg, J., Strömqvist, J. and Arheimer, B. (2010) Development and testing of the HYPE (Hydrological Predictions

	for the Environment) water quality model for different spatial scales. <i>Hydrology Research</i> 41.3–4, 295-319.
2010	Donnelly, C., Dahné, J., Rosberg, J., Strömqvist, J., Yang, W. and Arheimer, B. 2010. High-Resolution, Large-scale, Hydrological Modelling Tools for Europe. Proceedings of the 2010 UNESCO FRIEND conference. Fez, Marocco, 25-29 October 2010. IHAS publications. In press.
2009	Donnelly, C., Dahné, J., Lindström, G., Rosberg, J., Strömqvist, J., Pers, C., Yang, W. & Arheimer, B. (2009) An evaluation of multi-basin hydrological modelling for predictions in ungauged basins. In: <i>New Approaches to Hydrological Prediction in Data Sparse Regions (Proc. of Symposium HS.2 at the Joint IAHS & IAH Convention, Hyderabad, India, September 2009)</i> . IAHS Publ. 333, 2009.
2009	Graham, L. P., Olsson, J., Kjellström, E., Rosberg, J., Hellström, S.-S. & Berndtsson, R. 2009: Simulating river flow to the Baltic Sea from climate simulations over the past millennium. <i>Boreal Env. Res.</i> 14: 173–182.
2009	Strömqvist, J., Dahné, J., Donnelly, C., Lindström, G., Rosberg, J., Pers, C., Yang, W. & Arheimer, B. (2009) Using recently developed global data sets for hydrological predictions. In: <i>New Approaches to Hydrological Prediction in Data Sparse Regions (Proc. of Symposium HS.2 at the Joint IAHS & IAH Convention, Hyderabad, India, September 2009)</i> . IAHS Publ. 333, 2009.
2008	Arheimer, B., Lindström, G., Pers, C., Rosberg, J. & Strömqvist, J. (2008) Development and test of a new Swedish water quality model for small-scale and large-scale applications. XXV Nordic Hydrological Conference, Reykjavik, August 11-13, 2008. NHP Report No. 50, pp. 483-492.
2008	Nordström, K., Gustafsson, L-E, Andersson, L., Strömqvist, J., Rosberg, J. 2008 Projekt "Åkermark i Vindån" ("Detection of bare soil on arable land with high temporal resolution as input to water quality modeling". Slutrapport till Rymdstyrelsen, juni 2008. 21 pp.
2008	Yang, W., Andréasson, J., Graham, P.L., Olsson, J., Rosberg, J., Wetterhall, F. (2008) A Scaling Method For Applying RCM Simulations To climate Change Impact Studies In Hydrology, XXV Nordic Hydrological conference Nordic Association for Hydrology Reykjavik, Iceland, August 11-13., Vol.1, pp.256-265.
2007	Andréasson, J., Hellström, S-S., Rosberg, J. och Bergström, S. (2007). Översiktlig kartpresentation av klimatförändringars påverkan på Sveriges vattentillgång – Underlag till Klimat- och sårbarhetsutredningen. SMHI Hydrologi, nr 106, Norrköping
2007	Beldring, S., Andréasson, J., Bergström, S., Graham, L.P., Jónsdóttir, J.F., Lappegard, G., Roald, L.A., Rogozova, S., Rosberg, J., Suomalainen, M., Vehviläinen, B. and Veijalainen, N. (2007). Climate change impacts on hydrological processes in the Nordic region. 2071-2100. In: <i>Proceedings of the 16th International Northern research Basins Symposium and Workshops, Petrozavodsk, Russia, 27 Aug.- 2 Sept. 2007</i> , pp 19-28.
2007	Beldring, S., Andréasson, J., Bergström, S., Engen-Skaugen, T., Förland, E.J., Graham, L.P., Jónsdóttir, J.F., Lappegard, G., Roald, L.A., Rogozova, S., Rosberg, J., Suomalainen, M., Vehviläinen, B. and

	Veijalainen, N. (2007). Impacts of climate change on hydrological processes in the Nordic region. In: Proceedings of the third International Conference on Climate and Water, 3-6 September, Helsinki, Finland, pp 44-50.
2007	Bergström, S., Tómas Jóhannesson, Guðfinna Aðalgeirsdóttir, Andreas Ahlström, Liss M. Andreassen, Johan Andréasson, Stein Beldring, Helgi Björnsson, Bengt Carlsson, Philippe Crochet, Mattias de Woul, Bergur Einarsson, Hallgeir Elvehøy, Gwenn E. Flowers, L. Phil Graham, Gunnar Orri Gröndal, Sverrir Guðmundsson, Sara-Sofia Hellström, Regine Hock, Per Holmlund, Jóna Finndís, Jónsdóttir, Finnur Pálsson, Valentina Radic, Niels Reeh, Lars Andreas Roald, Svetlana Rogozova, Jörgen Rosberg, Oddur Sigurðsson, Merja Suomalainen, Thorsteinn Thorsteinsson, Bertel Vehviläinen, Noora Veijalainen. 2007. Impacts of climate change on river runoff, glaciers and hydropower in the Nordic area - Joint final report from the CE Hydrological Models and Snow and Ice Groups. CE report No. 6.
2007	Rosberg, J. and Arheimer, B. 2007. Modelling climate change impact on phosphorus load in Swedish rivers. In: Water Quality and Sediment Behaviour of the Future: Predictions for the 21st Century, IAHS Publ.314:90-97.
2006	Andersson, L., Arheimer, B., Kallner Bastviken, S., Johnsson, H., Kyllmar, K., Larsson, M., Pers, C., Rosberg, J., Ståhl-Deblanco, A., & Tonderski, K. (2006) VASTRA-modeller i planeringscykeln. In: Ed: Jöborn, A., Danielsson, I. & Oscarsson, H. VASTRA Rapport 6: På tal om vatten - om vägen mot en hållbar vattensursförvaltning. pp. 149-188.
2006	Beldring, S., Andréasson, J., Bergström, S., Graham, L. P., Jónsdóttir, J. F., Rogozova, S., Rosberg, J., Suomalainen, M., Tonning, T., Vehviläinen, B., and Veijalainen, N. 2006. Mapping water resources in the Nordic region under a changing climate. CE Report No. 3, CE, Reykjavík, Iceland, 125 pp. ISBN 9979-68-190-X.
2006	Pers, C., G. Lindström, J. Rosberg, B. Arheimer, and L. Andersson. 2006. Development of a new distributed hydrological model for large-scale and small-scale applications, In: Proceedings of the XXIV Nordic Hydrological Conference 2006, Eds: J.C. Refsgaard and A.L. Höjberg, NHP Report No. 49, 307-314.
2006	Rodhe, A., Lindström, G. Rosberg, J. & Pers, L. 2006. Grundvattenbildning i svenska typjordar – översiktlig beräkning med en vattenbalansmodell. Uppsala Universitet, Institutionen för geovetenskaper, Luft- och vattenlära. Report Series A No. 66.
2005	Andersson, L., Rosberg, J., Pers, B. C., Olsson, J. and Arheimer, B., 2005. Estimating catchment nutrient flow with the HBV-NP model - sensitivity to input data. <i>Ambio</i> , 34:7, 521-532.
2005	Arheimer, B., M. Löwgren, B.C. Pers, and J. Rosberg, 2005. Integrated Catchment Modeling for Nutrient Reduction: Scenarios Showing Impacts, Potential and Cost of Measures. <i>Ambio</i> 34:7, 513-520.
2005	Carlsson, B., Graham, L.P., Andréasson, J. and Rosberg, J. 2005. Exploring the range of uncertainty in climate change impacts on runoff and hydropower for the Luleälven River . Northern Research Basins 15th International Symposium & Workshop - Luleå to Kvikkjokk , Sweden ,

29 Aug. - 2 Sept. 2005 , 9-20.

- | | |
|------|--|
| 2005 | Lindström, G., Rosberg, J. and Arheimer, B. 2005. Parameter Precision in the HBV-NP Model and Impacts on Nitrogen Scenario Simulations in the Rönneå River , Southern Sweden . <i>Ambio</i> 34:7, 533-537. |
| 2004 | Andersson, L., Arheimer, B., Larsson, M., Olsson, J., Pers, C., Rosberg, J., Tonderski, K., Ulén, B. Integrated modelling of phosphorus fluxes at the catchment scale. In: Chardon, W. J. and Koopmans, G. F. (Ed.) Proceedings of IPW-4 Conference Wageningen, Netherlands, 16-19 August 2004. |
| 2004 | Arheimer, B., Andréasson, J., Fogelberg, S., Johnsson, H., Mårtensson, K., Pers, C., Persson, K and Rosberg, J. Climate change impact on water quality - model results from southern Sweden, Proc. of Regional-scale Climate Modelling Workshop, 29 mars - 2 April, 2004 in Lund, Lund Reports in Physical Geography, Lund University. |
| 2003 | Andersson, L., Arheimer, B., Larsson, M., Lindström, G., Olsson, J., Pers, C., Rosberg, J., Tonderski, K., and B. Ulén Integrated modelling of phosphorus fluxes at the catchment scale. In: Proceedings 7th International Specialised Conference on Diffuse Pollution and Basin Management. Volume 2, Theme 10: 85-90, Dublin, Ireland. |
| 2003 | Andersson, L., Arheimer, B., Larsson, M., Olsson, J., Pers, B.C., Rosberg, J., Tonderski, K., and B. Ulén. HBV-P: a catchment model for phosphorus transport, Proceedings of Quantifying the Agricultural Contribution to Eutrophication, COST 832 Final Meeting, 31 July - 2 August, Cambridge, U.K., 59-60. |
| 2003 | Olsson, J., Andersson, L., Arheimer, B., Lindström, G., Pers, B.C., and J. Rosberg A phosphorus transport model for scenario-based eutrophication assessment in catchments, Proceedings of International Union of Geodesy and Geophysics 2003 General Assembly, June 30-July 11, Sapporo, Japan, B.344. |
| 2003 | Rosberg, J. Modeling Phosphorus Transport and Retention in River Networks. M.Sc. report, Hydrology, Uppsala University, Uppsala. |
-