



Prof. Rodney L. Stevens
Göteborg University
Sweden

Present position - Professor (Geology), Göteborg University 2003-

B.A. – Geology Pomona College, Calif., USA 1973

MSc – Geology University of Massachusetts, USA 1977

PhD – Geology Göteborg University, Sweden 1987

”Glaciomarine fine sediments in southwestern Sweden: late Weichselian - early Holocene lithostratigraphy, depositional environments and varve formation”

Docent degree (Göteborg University) 1996

Postdoctoral visits (Wallenberg Postdoctoral grant)

California Polytechnical University, San Luis Obispo 1988-1989

University of California, Santa Barbara, Calif. 1989

Earlier positions

Göteborg Univ. - University Lecturer 1990-2003

Chalmers Unive. Techn. (Teaching & Research assist.) 1978-1988

Bergab AB (consultants, Göteborg) (Geological assist.) 1977-1978

University of Massachusetts (Teaching & Research assist.) 1974-1977

Principal advisor for 10 PhD students (completed)

National and international assignments of importance

Senior editor for Oxford Univ. Press On-line encyclopaedia of Environmental Science (2014-current)

Administrative board member for *Boreas* (2003-current)

Scientific advisory board member for *Baltica* (2002-current)

Editor for *Environmental Geology v. 43* Special Section (2003) on “Harbours – Silting and Environmental Sedimentology”

Scientific Committee Member, SGEM GeoConferences (2017-current)

Project leadership, collaboration and research communication

Sub-project leader for Univ. Gothenburg in the EU Interreg project “Dipol” - Impact of Climate Change on the Quality of Urban and Coastal Waters – Diffuse Pollution (2009-12).

Converner for international workshops:

“Blended learning” kan kombinera utbildningsbehov för flyktingar och för lokalbefolkningen i deras hemländer”, Include Conference, Göteborg, Feb. 2016.

“Blended learning for international cooperation”, SGEM intern. Conf., Bulgaria June, 2015

Research-driven student summer “Dipol” (see above) workshops, Göteborg 2010 & 2011.

“Sedimentologic Research in Sweden-Interdisciplinary Connections”, Göteborg, Sept. 1995

"Skagerrak - Bedrock, Quaternary and Modern Environments", Göteborg, March 1991.

Sub-project leader for IDEA, within the EU project URBAN II – a community outreach project using site remediation to increase science interest in pre-university classes (2002-2005).

Coordinator for EU project H-SENSE (1998-2000) (8 partners, 5 countries)

Host for 6 extended researcher visits (sabbatical and other research collaboration)

Recent article publications (last 10 years) (over 60 totally)

Stevens, R.L. in press: Silt problems in harbours. In Jefferson, I. (ed.): Problems with silt and siltation. Thomas Telford Publ., London.

Frogner-Krockum, P., Göransson, P., Åslund, H., Ländell, M., Stevens, R., Tengberg, A., Gunnel Göransson, Ohlsson, Y. in press: Metal contaminant fluxes across the sediment water interface. *Marine Pollution Bulletin*.

Cato, I. & Stevens, R.L. 2012: Derard De Ger – a pioneer in Quaternary geology in Scandinavia. *Baltica* 25, 1-3.

Johnston, M. & R.L. Stevens: 2016: A systematic approach to analyzing environmental issues involving complex systems (a web-based course). *Ecocycles* 1 (2): 46-50.

Kairytė, M., Stevens, R.L. 2015: Composite methodology for interpreting sediment transport pathways from spatial trends in grain size: A case study of the Lithuanian coast. *Sedimentology* 62, 681-696.

Stevens, R.L. 2015: Hazard and land management methods. 15th International Multidisciplinary Sci. GeoConferences SGEM2015, Bulgaria 18-24 June 2015, 661-668.

Stevens, R.L. 2015: The role of sediments relative to pollution problems. 15th International Multidisciplinary Scientific GeoConferences SGEM2015, Bulgaria 18-24 June 2015, 697-704.

Mil-Homens, M., Stevens, R.L., Cato, I., and Fátima, A. 2014: Comparing spatial and temporal changes in metal trends (Cr, Ni, Pb and Zn) on the Portuguese shelf since the 1970s. Environmental Monitoring and Assessment. Springer on-line publication, 31 May 2014.

Persson, M.A., Stevens, R.L. & Lemoine, Å. 2013: Spatial quick-clay predictions using multi-criteria evaluation in SW Sweden. *Landslides* 11, 263-279.

Lavers, A.C. & Stevens, R.L. 2012: Regional Relative Risk Ranking of Diffuse Pollution Sources in an Urban Environment, Gothenburg (Sweden). 12th International Multidisciplinary Scientific GeoConference SGEM, Bulgaria 17-23 June 2012, v. 5: 667-674.

Persson, M. & Stevens, R.L. 2012. Quick-clay formation and groundwater leaching trends in southwestern Sweden. In Eberhardt, E., Froese, C., Turner, A.K. and Leroueil, S. (eds.) Landslides and Engineered Slopes – Protecting Society through improved understanding. CRC Press. Taylor and Francis group, London, 615-620.

Stevens, R.L. 2012: Environmental assessment using quantitative provenance. 12th International Multidisciplinary Scientific GeoConference SGEM, Bulgaria 17-23 June 2012, v.1: 39-46.

Kairytė, M., Stevens, R.L. 2009: Quantitative provenance of silt and clay within sandy deposits of the Lithuanian coastal zone (Baltic Sea). *Marine Geology* 257, 87-93.

Larsson, O. & Stevens, R.L. 2008: Seismic Stratigraphy of Late Quaternary deposits in the eastern Skagerrak. *Marine and Petroleum Geology* 25, 1023-1039.

Mil-Homens, M., Branco, V., Vale, C., Stevens, R., Boer, W., Lebreiro, S., Cato, I., Abrantes, F. 2008: Historical trends in Hg, Pb and Zn sedimentation in the central shelf area of Portugal. *Journal of Iberian Geology* 34, 287-298.

Stevens, R.L. 2008: Challenges for the geoscientists: an international perspective. Proceedings of the Shropshire Geological Society 13, 83-88.

Larsson, O., Stevens, R.L., & Klingberg, F. 2007: The transition from glacial-marine to marine conditions during the last deglaciation in the eastern Skagerrak. *Marine Geology* 241, 45-61.

- Mil-Homens, M., Stevens, R.L., Abrantes, F. & Cato, I.** 2007: Regional geochemical baselines for Portuguese shelf sediments. *Environmental Pollution* 148, 418-427.
- Mil-Homens, M., Stevens, R.L., Abrantes, F. & Cato, I.** 2006: Heavy metal assessment for surface sediments from three areas of the Portuguese continental shelf. *Continental Shelf Research* 26, 1184-1205.
- Mil-Homens, M., Stevens, R.L., Abrantes, F. & Cato, I.** 2006: Pollution history of heavy metals on the Portuguese shelf using ²¹⁰Pb-geochronology. *Science of the Total Environment* 367, 466-480.
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