

## CV - Per Nyegaard, GEUS

Tlf. +45 38142783 – Email: [pn@geus.dk](mailto:pn@geus.dk)



**Name** Per Nyegaard  
**Date of Birth** December 22, 1945  
**Nationality** Danish  
**Education** University of Copenhagen, 1977, M.Sc. in Geology, Specialization: Prospecting and ore geology.

### Employment Record

Year	Organisation	Position and Responsibilities
1995-date	Geological Survey of Denmark and Greenland (GEUS)	Senior geologist - engaged in projects concerning geological models, ground water resource modelling, monitoring and protection and reporting on the chemical status of groundwater, multivariate statistics and GIS
1986-1995	Geological Survey of Denmark (DGU)	Geologist - Engaged in data acquisition and map production
1977-1985	Geological Survey of Greenland (GGU)	Geologist - Engaged in prospection, exploration and beneficitation programmes for uranium in South Greenland

### Selected Experience Record – Research and Developmental Projects

- Staff member of the National Ground Water Modelling updating Project NOVANA. Incorporating of regional geological models into the DK-model - 2005-recent.
- Staff member of the project "The Danish National Ground Water Monitoring Programme". Evaluations of monitoring areas, data acquisition, field work establishing monitoring stations in small catchment areas – 1988-1991. Statistical treatment and classification of data and reporting of results - 1993-2007.
- Recent professional Staff member of the National Ground Water Modelling Project. Developing methods for hydrogeological set-up and conceptual models. Developing the first hydrogeological model for all Denmark. 1995-2003

### Scientific publications – selected references

Kjær, J., Rosenbom, A., Olsen, P., Juhler, R.K., Plausborg, F., Grant, R., Nyegaard, P., Gudmundsson, L. & Brusch, W. 2008: The Danish pesticide Leaching assessment programme monitoring results May 1999 - June 2007. (Special Publication) Geological Survey of Denmark and Greenland. Copenhagen, 92 pp. +6 Appendices.

Ondracek, M., Højberg, A.L., Trolborg, L. & Nyegaard, P. 2007: Update and future challenges of the Danish National Water Resource Model. ModelCARE 2007. 9-13 September, 2007. Copenhagen. IAHS & GEUS.

Trolborg, L., Nyegaard, P., Højbjerg, A.L. & Ondracek, M. 2007: Conceptualising geology - insight from updating the national water resources model for Denmark. ModelCARE 2007. 9-13 September, 2007. Copenhagen. IAHS & GEUS. Abstract volume,

- Henriksen, H.J., Trolborg, L., Nyegaard, P., Højberg, A.L., Sonnenborg, T.O. & Refsgaard, J.C. 2007: Evaluation of the quantitative status of groundwater-surface water interaction at a national scale (Chapter 9.3). In: Quevauviller, P.(ed.): Groundwater Science and Policy. The Royal Society of Chemistry. London. RSC Publishing, 584-610.
- Højberg, A.L., Henriksen, H.J., Trolborg, L., Nyegaard, P. & Ondracek, M. 2006: The construction and update of a national water resource model. NORDIC WATER 2006. Experiences and Challenges in Implementation of the EU Water Framework Directive. 6-9 August, 2006. Vingsted, Denmark. NAH, DANVA, GEUS & MINA. In: Refsgaard, J.C. & Højberg, A.L. (eds): Proceedings. NHP Report no. 49, 417-425.
- Jørgensen, L.F. (ed.), Nyegaard, P., Larsen, C.L., Juhler, R., Brüsch, W. & Rasmussen, P., 2004: Groundwater monitoring 1998-2003. Special issue, Copenhagen, GEUS, (in Danish), 48 pp.
- Henriksen, H.J, Rasmussen, P, Brandt, G. & von Bülow, D, Jørgensen, L.F & Nyegaard, P. 2004: Test of Bayesian belief network and stakeholder involvement. Groundwater management and protection at Havelse well field in Northern Zealand (EVK1-2000-00085 - MERIT). GEUS & Københavns Energi. Copenhagen, 175 pp. + 4 Appendices.
- Nyegaard, P. & Stockmarr, J. 2004: Groundwater quality in Denmark. In: Danish monitoring and action programmes in accordance with the Nitrates Directive (1991/676/EEC), Danish Forest and Nature Agency, Ministry of the Environment. October 2004. 27-28.
- Stockmarr, J. & Nyegaard, P., 2004: Nitrate in Danish Groundwater. - In: Razowska-Jaworek, L & Sadurski, A. (eds), 2004 Nitrates in Groundwater - International Association of Hydrogeologists, Eurometing on Nitrate in Groundwater in Europe, 2002. Visla, Poland, 4 - 7 June 2002. pp 187-199. A.A. Balkema.
- Henriksen H.J. , Trolborg, L., Nyegaard, P., Sonnenborg, T.O., Refsgaard, J.C. and Madsen, B. 2003: Methodology for construction, calibration and validation of a national hydrological model for Denmark.. J. Hydrology 280 pp. 52-71.
- Henriksen, H.J., Trolborg, L., Højberg, A.L., Nyegaard, P. 2003: Construction, calibration and validation of the national water resource model (DK-model). In: Henriksen, H.J. Sonnenborg, A. (Eds.): Ferskvandets kredsløb. NOVA 2003 GEUS Special issue. (In Danish).
- Sonnenborg, T.O., Christensen, B.S.B., Nyegaard, P., Henriksen, H.J. & Refsgaard, J.C. 2003: Transient modeling of regional groundwater flow using parameter estimates from steady-state automatic calibration. J. Hydrology 273, 188-204.
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