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GeoEnvironmental Services
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	Training
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REPORTS AND PUBLICATIONS by David Banks.

Lectures and Teaching

* = lecture published in course/conference proceedings

** = abstract published in conference proceedings

= speaker(s).

1990

Banks, D. 1990. A case study of screen failure and borehole rehabilitation in the Lower Greensand aquifer of southern England. **International conference on "Monitoring, maintenance and rehabilitation of water wells"**, 6-8/9/90, Cranfield, England.

1991

* **Banks, D. 1991.** Nasjonal registrering av spesialavfall i deponier og forurenset grunn [*National registration of hazardous waste in landfills and contaminated ground - in Norwegian*], **NIF (Norwegian Engineers' Organisation)-course "Miljøgeologi i praksis" ("Environmental geology in practice")**, 8.1.91, Norwegian Technical University, Trondheim.

Banks, D. 1991. Bioødeleggelse av brønner [*Biofouling of wells - in Norwegian*] **Trondheim hydrogeology seminar**, 22.4.91. NGU, Trondheim.

Banks, D. 1991. Bøhmisk hydrogeologi - en rapport fra den tsjekkiske republikk [*Bohemian hydrogeology - a report from the Czech republic - in Norwegian*], **National Hydrogeology Seminar**, 29.10.91. Grand Hotel Olav, Trondheim.

Banks, D. 1991. Grunnvannsressurser i fast fjell [*Groundwater resources in bedrock - in Norwegian*], **Norwegian Drillers' Association Annual Meeting**, NGU, Trondheim, 1991.

1992

** **Banks, D. 1992.** Permeability of fracture zones in a Precambrian granite. **20th Nordic Geological Winter Meeting**, Reykjavik, Iceland, Jan. 1992.

* **Banks, D. 1992.** Groundwater pollution, an atypical European perspective. **IBC conference on Groundwater Pollution**, Café Royal, London, Feb. 1992. Invited lecture.

Misund, A.# & Banks, D.# 1992. Norwegian national mapping of groundwater resources and groundwater pollution threats. **International Symposium on Hydrogeological Mapping and Groundwater Monitoring in the Baltic States**. April 23-25, Palanga, Lithuania.

Banks, D. 1992. Englands største grunnvannsverk - 140.000 m³/d [*England's largest groundwater-works - 140,000 m³/d - in Norwegian*], **Trondheim hydrogeology seminar**, April 1992, NGU, Trondheim.

Banks, D. 1992. Grunnvannsressurser i fast fjell [*Groundwater resources in bedrock - in Norwegian*], **Municipalities of Nord-Trøndelag Groundwater Seminar**, Snåsa Hotel, Snåsa, Spring 1992.

* **Misund, A.#, Banks, D.#, Storrø, G. & Sæther, O.M. 1992.** Groundwater contamination at Trandum and Sessvollmoen military facilities, Southeastern Norway. **Conference on "The Military and the Environment"**, Aug. 1992, Dombås, Norway.

Banks, D.# & Odling, N.# 1992. Modelling og visualisering av grunnvannsstrømning og forurensningstransport fra en avfallsfylling, Trandum, vha. MODFLOW [*Modelling and visualisation of groundwater flow and contaminant transport from Trandum landfill using MODFLOW - in Norwegian*]. **Seminar on hydrogeological modelling**, Inst. for Earth Sciences, NLH/JORDFORSK, 26/11/92, Ås, Norway.

Banks, D.# & Odling, N. 1992. Grunnvannsstrømning og forurensningstransport på Trandum, modelleringsspekter [*Groundwater flow and contaminant transport at Trandum, modelling aspects - in Norwegian*]. **Scientific meeting for the "Environment underground" (Miljø i Grunnen) main project**, 3/12/92, Ås Hotell, Ås, Norway.

1993

Banks, D. 1993. Den norske deponeringsfilosofien for lav- og middelsaktivt radioaktivt avfall -geologiske aspekter [*The Norwegian disposal philosophy for low- and medium-level radioactive waste, geological aspects - in Norwegian*]. **Public meeting**, Aurskog-Høland municipality, Jan. 1993.

* **Banks, D.# & Misund, A.# 1993.** Kriterier og krav for deponering i løsmasser [*Criteria for landfilling in Quaternary sediments - in Norwegian*]. **NIF (Norwegian Engineers' Organisation)-course "Lagring og deponering av spesialavfall og produksjonsavfall"** ("Storage and landfilling of hazardous and industrial waste"), Jan. 1993, Norwegian Technical University, Trondheim. Invited lecture.

Banks, D. 1993. Bruk av isotoper i grunnvannssammenheng [*Use of isotopes in groundwater studies*]. **Short course "Use of isotopes in geology"**, organised by NGU. Technostallen, Trondheim, 21st April 1993.

Banks, D. 1993. Den norske deponeringsfilosofien for lav- og middelsaktivt radioaktivt avfall [*The Norwegian disposal philosophy for low- and medium-level radioactive waste - in Norwegian*]. **Trondheim seminar in hydrogeology and environmental geochemistry**, NGU, Trondheim, April 1993.

* **Banks, D.#, Rohr-Torp, E. & Skarphagen, H. 1993.** Groundwater chemistry in a Precambrian island aquifer, Hvaler, Southeastern Norway. **24th Congress of International Assoc. Hydrogeologists**, June/July 1993, Ås, Norway.

* **Banks, D.#, Rohr-Torp, E. & Skarphagen, H. 1993.** Groundwater resources in hard rock; experiences from the Hvaler study, Southeastern Norway. **24th Congress of International Assoc. Hydrogeologists**, June/July 1993, Ås, Norway.

* **Banks, S.B.# & Banks, D. 1993.** Groundwater microbiology in Norwegian hard-rock aquifers. **24th Congress of International Assoc. Hydrogeologists**, June/July 1993, Ås, Norway.

* **Ellingsen, K.# & Banks, D. 1993.** An introduction to groundwater in Norway - promotion and reconnaissance mapping. **24th Congress of International Assoc. Hydrogeologists**, June/July 1993, Ås, Norway.

** **Banks, D. 1993.** Reconnaissance mapping of groundwater resources and contamination sources in Norway. **Ecological Hydrogeology of the Baltic area**, St. Petersburg, June 21-25, 1993.

Banks, D. 1993. Grunnvann [*Groundwater - in Norwegian*]. **National course in geology for teachers at teacher training colleges. 9th-13th August 1993**, NGU, Trondheim.

** **Banks, D.# & Banks S.B. 1993.** Occurrence and upconcentration of heavy metals in bacterial biofilms in Norwegian hard rock aquifers. **Symposium on Subsurface Microbiology**, IBC, Bath, U.K., September 1993.

Banks, D.# & Røyset, O. 1993. Naturlige konsentrasjoner av sporelementer og radionuklider i grunnvann fra fast fjell [*Natural concentrations of trace elements and radionuclides in groundwater from hard rocks - in Norwegian*]. **3rd National Seminar in Hydrogeology and Environmental Geochemistry**, Lilletorget, Trondheim, 26. Oct. 1993.

1994

Banks, D.#, Davies, C., Davies, W. and Waters, A. 1994. The Chalk of Southern England as a karstic aquifer. **Geological Society of London, Hydrogeology Group Meeting "Recent Research into Chalk Hydrogeology"**, Burlington House, London. July 1994.

Banks, D. 1994. The abandonment of Killingdal sulphide mine, Norway. A saga of radioactive waste disposal and acid mine drainage. **5th Congress of the International Minewater Association**, Nottingham, UK, 19-23 Sept. 1994.

1995

Banks, D. 1995. Fool's Gold and Earth Blood - Acid Mine Drainage for Beginners. **Coalfields Communities Campaign Conference "Mine Drainage - A Poison Legacy"**, Royal Westminster Hotel, London, 21/2/95. Invited Lecture.

Banks, D.#, Storrø, G. & Misund, A. 1995. Investigation and remediation of fuel oil spills at Trandum and Sessvollmoen military bases, Øvre Romerike, Norway. **Geol. Soc. Hydrogeol. Group Meeting "Groundwater Remediation"**, University of Sheffield, 18th July 1995.

Banks, D. 1995. Mineral and bottled waters - a British perspective. **Forum on "Present and Expected Use of Natural Therapeutic Resources"**, Institute of Physical Medicine, Balneo-Climatology and Medical Rehabilitation, University of Bucharest, Romania, 7/9/95.

** **Banks, D. 1995.** Groundwater protection in Great Britain. **Internat. Congress on Fundamental and Applied Problems of Environmental Protection**, Tomsk, Russia, 12-16/9/95.

** **Banks, D. 1995.** The environmental impact of mine closure in the South Yorkshire and North Derbyshire coalfield, U.K. **Internat. Congress on Fundamental and Applied Problems of Environmental Protection**, Tomsk, Russia, 12-16/9/95.

1996

Banks, D. 1996. Hydrochemical variation in groundwaters of the Millstone Grit and Coal Measures aquifers of South Yorkshire and North Derbyshire, UK. **Geol. Soc. Hydrogeol. Group Meeting "Groundwater Chemistry"**, Burlington House, London, 29th February 1996.

Banks, D.#, Reimann, C., Skarphagen, H. & Watkins, D. 1996. The comparative hydrochemistry of two granitic island aquifers: the Isles of Scilly, U.K. and the Hvaler Islands, Norway. **Geol. Soc. Hydrogeol. Group Meeting "Groundwater Chemistry"**, Burlington House, London, 29th February 1996.

* **Banwart, S.A.#, Younger, P.L.#, Banks, D.#, Thornton, S.# & Jarvis, A.# 1996.** Mine waste and mine water pollution. **Short Course, University of Bradford / University of Newcastle**, Bradford University 25-27th March 1996.

** **Banks, D.#, Burke, S.P. & Gray, C.G. 1996.** The hydrochemistry of coal mine drainage and other ochre waters in North Derbyshire and South Yorkshire, UK. **Geological Society Conference "Applied Geology"**, Warwick, 16th April 1996.

Banks, D. 1996. Acid tar pits: Geohazard or Site of Special Geological Interest ? (Contaminant migration from disposal of acid tar wastes in fractured Coal Measures strata, South Derbyshire.) . **Geological Society, Yorkshire Regional Group**, Sheffield University, 24th April 1996.

1997

***Banks, D.# & Nash, H. 1997.** The rise, fall and potential renaissance of the English spa town. **27th Annual Congress of the International Association of Hydrogeologists**, "Groundwater in the Urban Environment", Nottingham, UK, 21-27 September.

Banks, D. 1997. Radon i grunnvann. Korrelasjon med geografi, geologi og hydrokjemi [*Radon in groundwater: correlation with geography, geology and hydrochemistry*]. **Norsk Vannforening, "Radon i Drikkevann: Forekomst og helsemessig betydning" ["Radon in drinking water: Occurrence and significance for health"]**. Oslo, 17th November.

****Banks, D. 1997.** Grunnvannskjemi - hver vannkilde et unikt fingeravtrykk [*Groundwater chemistry - every source has a unique fingerprint*]. **7th Seminar on Hydrogeology and Environmental Geochemistry**. NGU, Trondheim, 4th November. (Abstract printed in NGU rapport 97.150).

***Banks, D.#, Baulins, L., Lacis, A., Sichovs, G. & Misund, A. 1997.** How to map hydrocarbon contamination of groundwater without analysing for organics. **NATO Advanced Research Workshop "Environmental Contamination and Remediation Practices at Former and Present Military Bases"**, ref. ENVIR.ARW970365, 12-17th Oktober, Vilnius, Lithuania.

1998

Banks, D. 1998. An introduction to hydrogeochemistry. **Lecture to 1st year students**. Department of Dynamic Geology, Tomsk State University. March 1998.

***Banks, D.#, Makarenko, N.A., Bukatin, I.V. & Berezovsky, A.Y. 1998.** Hidrogeokhimiicheskie ossobennosti podzemnikh vod Shirinskovo raiona (Respublika Khakassia) [*Hydrogeochemical characteristics of groundwaters of the Shira region, Republic of Khakassia - in Russian*]. **Conference "Aktualnyie voprosi geologii i geografii Sibiri" [Current issues of geology and geography of Siberia]**, 1-4th April 1998, Tomsk State University, Russia.

***Banks, D. 1998.** The hydrogeochemistry of granitic groundwaters - illustrated by a comparison from Khakassia (Shira region), Norway (Oslo region) and the United Kingdom (Scilly Isles). **2. Mezhdunarodnaya nauchnaya konferentsiya studentov i aspirantov i molodikh uchenikh im. akademika M.A. Usova, ' Problemi Geologii i Osvoeniya Nedr' [2nd International 'Academician M.A.Usov' Conference of Students, Aspirants and Young Scientists 'Problems of Geology and the Exploitation of the Earth's Interior']**. Tomsk Polytechnic University, 6-11 April 1998. Proceedings published in two hardback volumes (200 and 176 pp.) by Tomsk Izd-vo NTL (Nauchno-Tekhnicheskoi Literaturi), Tomsk 1998

1999

****Banks, D. 1999.** Hvordan å bruke og misbruke Darcy's lov [*How to use and abuse Darcy's Law - in Norwegian*]. **8th Seminar on Hydrogeology and Environmental Geochemistry**. NGU, Trondheim, 10th February, invited keynote lecture. (Abstract printed in NGU rapport 99.019).

* **Younger, P.L.#, Banwart, S.A.#, Banks, D.#, Jarvis, A.#, Nuttall, C.# & Adams, R.# 1999.** Mine waste and mine water pollution. **Short Course, University of Newcastle / University of Sheffield / Nuwater Consultancy Services**. Mining Institute, Newcastle-upon-Tyne, 22-24th March 1999.

Frengstad, B.# & Banks, D.# 1999. Methods of presentation of chemical data from groundwater in Norwegian crystalline bedrock aquifers. **Conference "Sostoyanie i problemi monitoringa geologicheskoi sredi, geoekologicheskikh i gidrogeologicheskikh issledovaniy na territorii Sibiri i Urala [The state and problems of monitoring of the geosphere, geocological and hydrogeological researches on the territory of Siberia and the Urals]**. Sanatorium "Automobilist", Tomsk, Russia, 1st-4th June 1999.

* **Banks, D. & Frengstad, B. 1999.** Diagnosis of incrustation and corrosion problems in groundwater wells using in-situ techniques. **International conference "Ecological, humanitarian and sporting aspects of underwater activity"**, Tomsk State University, Russia, 10th-11th September 1999 (written lecture only submitted).

Banks, D.# & Frengstad, B. 1999. The distribution of natural toxins in Norwegian crystalline bedrock groundwaters. **Conference "Current Research in Groundwater"**, Geological Society Hydrogeological Group, Burlington House, London, 6th July 1999.

***Frengstad, B.#, Banks, D., Midtgård, Aa.K. & Siewers, U. 1999.** Distribution of selected trace elements (As, Be, Bi, Cd, Cr, Hg, Ni, Pb, Th, Tl, U, W) in 476 Norwegian crystalline bedrock groundwaters. **XXXI Congress of the International Association of Hydrogeologists**. Bratislava, Slovakia. 6th -10th September 1999.

***Banks, S.B.# & Banks, D. 1999.** Abandoned mines drainage: impact assessment and mitigation of discharges from coal mines in the UK. **2nd British Geotechnical Society Geoenvironmental Engineering Conference**, 13th-15th September 1999, Institution of Civil Engineers, London.

Banks, D. 1999. Hidroquímica de las aguas de minas [Minewater hydrochemistry]. **Dames & Moore public lecture series**, Technical University of Oruro, Bolivia, 29th September 1999.

Banks, D. 1999. An introduction to environmental risk assessment. **Dames & Moore public lecture series**, Technical University of Oruro, Bolivia, 1st December 1999.

2000

****Fregstad, B.#, Banks, D. & Siewers, U. 2000.** Element concentrations and pH relationships in drinking water from crystalline bedrock aquifers in Norway. **24th Nordic Geological Winter Meeting**, 6-9 January 2000, Trondheim, Norway.

Banks, D.# & Holden, W.# 2000. General presentation of Subproject 7 (Remediation of the San José mine - Hydrogeology). **Environmental, Industrial and Mining project (PMAIM), Public Workshop, Subprojects 6 & 7, Remediation of the San José Mine**, 20-21 January 2000, Oruro, Bolivia. Organised by Dames & Moore / COMIBOL.

****Fregstad, B. # & Banks, D. 2000.** PHREEQC-modelling of groundwater evolution in Egersund anorthosites. Are high pH, high Na and low Ca concentrations the result of silicate weathering or cation exchange? **9th Seminar on Hydrogeology and Environmental Geochemistry**, 9-10 February 2000, Trondheim, Norway.

***Banks, D.# 2000.** Mine water issues, with emphasis on coal mines - an introduction. **Short course "Environmental Geochemistry of ore deposits and mining activities"**, SARB Consulting, Göttingen, Germany, July 2000.

***Banks, D. #, Fregstad, B., Makarenko, N.A., Parnachev, V.P., Vishnevetskii, I.I. & Bulatov, A.A. 2000.** Ekogeokhimicheskie ocbennosti podzemnikh vod tsentral'noi chasti respubliki Khakassia [*Ecogeochemical aspects of groundwaters of the central part of the Republic of Khakassia*]. **Conference FPV 2000 (Fundamentalnie problemi vodi i vodnikh resursov na rubezhe 3. tisyacheletiya [Fundamental issues of water and water resources at the beginning of the 3rd Millennium])**, 3rd-7th September 2000, Tomsk, Russia.

Banks, D. # 2000. The hydrogeochemistry of Khakassia. **Lecture to students of Environmental Science, State University of Abakan**, Khakassia, Russian Federation, 6th September 2000.

****Haldorsen, S., Heim, M., Dale, B., Banks, D., Sletten, R., Swensen, B. & Salvigsen, O. 2000.** Arctic groundwater systems and their dependence on climatic change: examples from Svalbard (poster). **XVth International Congress of INQUA**, Durban, South Africa.

2001

***,**Banks, D.#, Holden, W., Aguilar, E., Mendez, C., Koller, D., Andia, Z., Rodriguez, J., Sæther, O.M., Torrico, A., Veneros, R. & Flores, J. 2001.** Risk assessment source characterisation of the San José mine, Oruro, Bolivia. **"Mine Water Hydrogeology and Geochemistry"**, **Joint Meeting of the Geological Society (Hydrogeology Group) and the Applied Mineralogy Society**, British Geological Survey, Keyworth, UK, 15th February 2001 (poster and oral presentation).

***Fregstad, B.#, Skrede, Aa.K., Krog, J.R., Strand, T., Lind, B. & Banks, D. 2001.** Radon in potable groundwater: examples from Norway. **International symposium "Natural Ionizing Radiation and Health"**, The Norwegian Academy of Science and Letters, Oslo, 5th - 6th June 2001.

***Banks, D.# 2001.** Mine water issues, with emphasis on coal mines - an introduction. **Short course "Environmental Geochemistry of ore deposits and mining activities"**, SARB Consulting, Kjeøy Course Centre, Lofoten, Norway, 17-19th June 2001.

***Fregstad, B.# & Banks, D. 2001.** The hydrochemistry of crystalline bedrock groundwater in Norway. **2nd workshop of the IAH Fennoscandian working group on hardrock hydrogeology**, NVE, Oslo, 14th - 16th August 2001.

***Banks, D.#, Haldorsen, S., Sletten, R.J., Heim, M., Swensen, B. & Dale, B. (2001).** The world's northernmost thermal springs: Bockfjorden, Svalbard. Geological setting and hydrogeochemistry. **International Association of Hydrogeologists' (IAH) XXXIst Annual Congress**, Munich, 10-14 Sept. 2001.

2002

***Banks, D.#, Skarphagen, H., Wiltshire, R. & Jessop, C. (2002).** Mine water as a resource: space heating and cooling via use of heat pumps. **Conference "Mine water treatment: a decade of progress"**, Mining Institute, Newcastle, 12th Nov. 2002.

2003

***Banks, D.# (2003).** The role of hydrogeology in rebuilding Afghanistan. (David Burdon Memorial Lecture); **International Association of Hydrogeologists Irish Chapter, Annual Conference "Groundwater and its Stakeholders"**, April 29th-30th, Tullamore, Ireland.

***Banks, D.# (2003).** Geochemical processes controlling minewater pollution. **2nd IMAGE-TRAIN Advanced Study Course**, 23rd-27th June 2003, Pécs, Hungary.

***Fregstad, B.# & Banks, D. (2003).** Groundwater chemistry related to depth of shallow crystalline bedrock boreholes in Norway. **International Association of Hydrogeologists' Conference "Groundwater in Fractured Rocks"**, 15th-19th September 2003, Prague, Czech Republic.

Banks, D.# (2003). Non-parametric statistics as a tool for the hydraulic and hydrogeochemical characterization of hard rock aquifers. **Geological Society, Hydrogeology Group Meeting, "Groundwater in Scotland – Moving Up a Gear"**, Stirling, Scotland, 12th November 2003.

2004

Banks, D. (2004). An introduction to the hydrogeology of hard rock aquifers. Short course at for the Environment Agency, SW Region. Organised by Holymoore Consultancy in association with the EA. 8th – 12th March 2004, EA Offices, Exeter UK

2005

Banks, D. (2005). An introduction to the hydrogeology of hard rock aquifers. Short course at for the Environment Agency. Organised by Holymoore Consultancy in association with the EA. 2nd – 4th March 2005, Lion Hotel, Shrewsbury, UK

Banks, D. (2005). An introduction to ground source heating and cooling. Short course at Dunston Innovation Centre, Chesterfield, Derbyshire. Organised by Holymoore Consultancy in association with GeoWarmth and JDIH. 21st October 2005.

Banks, D. (2005). Mine Water Sampling. **Coal Authority Training Workshop**, Mansfield, Nottinghamshire, 31st October 2005.

Banks, D. (2005). Mine Water Sampling. **Coal Authority Training Workshop**, Mines Rescue Station, Houghton-le-Spring, Co. Durham, 7th November 2005.

2006

Banks, D. (2006). Mine Water Chemistry and Treatment. **Coal Authority Training Workshop**, Mansfield, Nottinghamshire, 26th January 2006.

Banks, D. (2006). An introduction to ground source heating and cooling. Short course at Lord Mayor Treloar College, Alton, Hants. Organised by Holymoore Consultancy in association with GeoWarmth and JDIH. 10th March 2006.

Banks, D. (2006). An introduction to ground source heating and cooling. Short course at for the Environment Agency. Organised by Holymoore Consultancy in association with JDIH. 4th April 2006, EA York Office.

Banks, D. (2006). An introduction to ground source heating and cooling. Short course at the Eco-Centre, Hebburn, Tyneside. Organised by Holymoore Consultancy in association with GeoWarmth and JDIH. 20th October 2006.

Banks, D. (2006). Ground Loops: Types and Suitability. **Meeting of the UK Ground Source Heat Pump Association, "Ground Source Heat Pumps: Dispelling the Myths"**, Flitwick, Bedfordshire, 15th November 2006.

Banks, D. (2006). Corso Breve di Termogeologia. Short course at the Biblioteca Nazionale Braidense, Milan, Italy. Organised by ESI (Italia) srl in association with Holymoore Consultancy. 29th November 2006.

2007

***Banks, D.** Thermogeological assessment of open loop well doublet schemes - an analytical approach. **27th Annual Conference of the Irish Group of the IAH, 24th-25th April 2007, Tullamore, County Offaly, Ireland, International Association of Hydrogeologists, Irish Group.**

Banks, D. (2007). An introduction to ground source heating and cooling. Short course at Dunston Innovation Centre, Chesterfield. Organised by Holymoore Consultancy in association with GeoWarmth and JDIH. 11th May 2007.

Banks, D. (2007). The principles and practice of passive treatment of mine water. **Seminar on "Microbial Biogeochemistry"** (and field trip to Kuzbass), 20th August - 1st September 2007, Tomsk State University, Russia.

***Banks, D.#, Gzyl, G., Frolik A. & Rogoż, M. (2007).** Modelling and monitoring of mine water rebound in an abandoned coal mine complex: Siersza mine, Upper Silesian Coal Basin, Poland. **"Minewater pollution and remediation 2007"**, at Newcastle University 24th October 2007, organised by Newcastle University & Newzeeye.

Banks, D. (2007). An introduction to ground source heating and cooling. Short course at Dunston Innovation Centre, Chesterfield. Organised by Holymoore Consultancy in association with GeoWarmth Heat Pumps Ltd. and Carbon Zero Consulting. 2nd November 2007.

****Banks, D. (2007).** Subsurface heat flow: An introduction to thermogeology and the exploitation of ground source heat. **Meeting of the Hydrogeological Group of the Geological Society "Hydrogeology and Heat Engineering"**, Burlington House, London, 3rd December 2007.

****Gandy, C.J.#, Clarke, L.#, Banks, D. & Younger, P.L. (2007).** Predictive modelling of groundwater abstraction and artificial recharge of cooling water. **Meeting of the Hydrogeological Group of the Geological Society "Hydrogeology and Heat Engineering"**, Burlington House, London, 3rd December 2007.

2008

Banks, D. & Mitchell, R. (2008). Borehole construction. Taught course for the Environment Agency, in association with Water Management Consultants and the University of the West of England. Bourneville, Birmingham, 8-9th January 2008.

Banks, D. (2008). Introduksjon Geo-energi – Varme og kjøling fra grunnen. Organised for the Geological Survey of Norway and International Association of Hydrogeologists (Norwegian Chapter). Knut S. Heier Conference Centre, Geological Survey of Norway, Trondheim, 10th March 2008.

****Banks, D. (2008).** Termogeologi – et nytt (og gammelt) fag; Framtiden for hydrogeologer? Keynote lecture: **17. Nasjonale Seminar om Hydrogeologi og Miljøgeokjemi.** Knut S. Heier Conference Centre, Geological Survey of Norway, Trondheim, 11th March 2008.

Banks, D. (2008). An introduction to ground source heating and cooling. Short course for the Environment Agency, organised by Holymoor Consultancy in association with Carbon Zero Consulting. 27th March 2008. Kingfisher House, Peterborough.

Banks, D. (2008). An introduction to ground source heating and cooling. Short course for Bosch Thermotechnology, organised by Holymoor Consultancy in association with Carbon Zero Consulting. 14th July 2008. Worcester.

Banks, D. & Mitchell, R. (2008). Borehole construction. Taught course for the Environment Agency, in association with Water Management Consultants and the University of the West of England. University of Warwick at Coventry, 21st-22nd July 2008.

Banks, D. (2008). An introduction to ground source heating and cooling. Short course for AWN Consulting by Holymoor Consultancy. 29th August 2008. Dublin, Ireland.

Banks, D.#, Fraga Pumar, A. & Watson, I. (2008). Existing open-loop minewater-sourced heat pump schemes in Scotland: factors for success and failure. Minewater '08 conference, 1st-2nd October 2008, Aachen (Germany)-Heerlen (Holland), organised by IBC Conferences Ltd. and the EU-funded Minewater Project.

Banks, D. (2008). Use of closed loops, ground water and mine water for ground source heating and cooling – selected case studies. Workshop on utilization of ground source heat, Technical University of Civil Engineering, Bucharest, Romania, 4/11/08.

Banks, D. (2008). Test pumping data, data usage and data chaos. JDIH seminar on Test Pumping. Castle Donington, 26/11/08.

2009

Banks, D. (2009). The thermogeological accumulator: ground source heating and cooling in the UK. Conference "*The heat beneath your feet: geothermal energy in the UK*". Royal Academy of Engineering, London, 8th April 2009 (invited lecture).

***Banks, D. (2009).** The Three Heads of the Well (Aestifer, Aquifer and Foundation). UK Groundwater Forum Conference "*Groundwater: A 2020 Vision – Challenges for the Future*". Natural History Museum, London, 14th May 2009.

Banks, D. (2009). Ground Source Heating / Cooling Systems: From conceptualization, through testing to sustainable design. Géotechnique Symposium in Print (SIP 2009) "*The Thermal Behaviour of the Ground*" at the Institution of Civil Engineers, London, 18th May 2009 (invited keynote lecture).

***Banks, D.#, Withers, J. & Freeborn, R. (2009).** An overview of the results of in-situ thermal response testing in the UK. **Proceedings Effstock 2009** - The 11th International Conference on Thermal Energy Storage for Efficiency and Sustainability, Stockholm, Sweden, June 14 - 17 2009.

***Todd, F.# & Banks, D. (2009).** Modelling of a thermal plume in the Sherwood Sandstone: a case study in North Yorkshire, UK. **Proceedings Effstock 2009** - The 11th International Conference on Thermal Energy Storage for Efficiency and Sustainability, Stockholm, Sweden, June 14 - 17 2009.

2010

***Banks, D. & Sørensen, I. (2010).** Introduktion til Jordvarme [*An Introduction to Ground Source Heating and Cooling*]. VIA Technical University, Horsens, Denmark, 26th January 2010.

****Banks, D.#, Todd, F.# & Clarke, L.. (2010).** Delineating capture zones and thermal plumes for well doublets. Hydrogeology Group of the Geological Society meeting, 10th February 2010, University of Leeds.

Banks, D. # (2010). Overview of good practice and science of ground source heating and cooling schemes. Environment Agency (Thames Region) Ground Source Heating and Cooling Systems Conference. 26th April 2010, Fielder Conference Centre, Hatfield, Herts.

David Banks is registered with the Inland Revenue as a self-employed sole trader.

*David Banks is also a Director of Holymoor Consultancy Ltd.,
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