

## REPORTS AND PUBLICATIONS by David Banks.

### Publications in refereed journals or conference proceedings since 2010

#### 2010

- Gandy, C.J., Clarke, L., Banks, D. & Younger, P.L. (2010).** Predictive modelling of groundwater abstraction and artificial recharge of cooling water. **Quarterly Journal of Engineering Geology and Hydrogeology**, 43, 279-288. doi: [10.1144/1470-9236/08-093](https://doi.org/10.1144/1470-9236/08-093).
- Banks, D., Frolik, A., Gzyl, G. & Rogoż, M. (2010).** Modeling and monitoring of mine water rebound in an abandoned coal mine complex: Siersza Mine, Upper Silesian Coal Basin, Poland. **Hydrogeology Journal**, 18, 519-534. doi: [10.1007/s10040-009-0534-z](https://doi.org/10.1007/s10040-009-0534-z).
- Haldorsen, S., Heim, M., Dale, B., Landvik, J.Y., Van Der Ploeg, M., Leijnse, A., Salvigsen, O., Hagen, J.O. & Banks, D. (2010).** Sensitivity to long-term climate change of subpermafrost groundwater systems in Svalbard. **Quaternary Review**, 73, 393-402. doi: [10.1016/j.yqres.2009.11.002](https://doi.org/10.1016/j.yqres.2009.11.002).
- Banks, D., Gundersen, P., Gustafson, G., Mäkelä, J. & Morland, G. (2010).** [Regional similarities in the distributions of well yield from crystalline rocks in Fennoscandia](#). **Norges Geologiske Undersøkelse Bulletin**, 450, 33-47.
- Dodds, J. & Banks, D. (2010).** Adding energy value to restored mineral excavations - The use of wet restored mineral workings for energy recovery. **Quarry Management**, July 2010, 34-37.

#### 2011

- Fernandez Fuentes, I.M., Sanner, B., Allington, R., Dumas, P., Andersson, O., Hellström, G., Banks, D., Urchueguia, J., Jaudin, F., Huber, H., Cucueteanu, D. & Jones, G.L.I. (2011).** GEOTRAINET: Geo-Education for a sustainable geothermal heating and cooling market. European project results. **European Geologist**, 31, 5-10. <http://www.eurogeologists.eu/index.php?page=841>
- Banks, D. (2011).** Site investigation (ground conditions/licences and permits). In: McCorry, M. & Jones, G.L. (eds) [Geotrainet Training Manual for Designers of Shallow Geothermal Systems](#). GEOTRAINET/European Federation of Geologists, Brussels, 71-92.
- Banks, D. (2011).** The application of analytical solutions to the thermal plume from a well doublet ground source heating or cooling scheme. **Quarterly Journal of Engineering Geology and Hydrogeology**, 44, 191-197. doi: [10.1144/1470-9236/09-028](https://doi.org/10.1144/1470-9236/09-028).

#### 2012

- King W, Banks D, Findlay J (2012).** Field determination of shallow soil thermal conductivity using a short-duration needle probe test. **Quarterly Journal of Engineering Geology and Hydrogeology**, 45, 497-504. doi: [10.1144/qjegh2012-002](https://doi.org/10.1144/qjegh2012-002).
- Banks D (2012).** [From Fourier to Darcy, from Carslaw to Theis: the analogies between the subsurface behaviour of water and heat](#) [Da Fourier a Darcy, da Carslaw a Theis: le analogie del comportamento delle acque e del calore nel sottosuolo]. **Acque Sotterranee (Italian Journal of Groundwater)**, 1(3), 9-19. doi: [10.7343/AS-013-12-0025](https://doi.org/10.7343/AS-013-12-0025).
- Demetriades, A., Reimann, C., Birke, M. and the Eurogeosurveys Geochemistry EGG Team** (S. Albanese, M. Andersson, D. Banks, M. J. Batista, A. Bellan, L. Bityukova, D. Cicchella, M. Corral, B. De Vivo, W. De Vos, N. Devic, M E. Dinelli, Dimitris Dimitriou, Miloslav Duris, O. Eggen, P. Filzmoser, D. Flight, R. Flynn, B. Frengstad, U. Fugedi, A. Gilucis, M. Gosar, V. Gregorauskiene, A. Gulan, J. Halamic, E. Haslinger, A. Hatzikirou, P. Hayoz, G. Hobiger, H. Hrvatovic, S. Husnjak, C. Innocent, A. Ion, C. Ionesco, F. Jähne, J. Jarva, G. Jordan, L. Kaste, J. Kivisilla, V. Klos, F. Koler, L. Kuti, O. Karnachuk, K. Lax, A. Lima, J. Locutura, C. Lourenco, H. Lorenz, P. Malik, R. Maquil, I. Malyuk, N. Miosic, M. Nikas, E. Nicolaou, K. Onuzi, R. T. Ottesen, W. Petersell, T. Petrovic, N. Phillipov, E. Poyiadji, U. Rauch, S. Reeder, R. Salminen, I. Salpeteur, N. Samardzic, P. Sampatakakis, I. Schoeters, A. Schedl, F. Skopljak, P. Smedley, L. Smietanski, A. Šorša, N. Spanou, T. Staffilov, M. Stefouli, T. Tarvainen, M. Titovet, V. Trendavilov, P. Valera, M. Vavradou, P. Vekios, N. Veljkovic, D. Vidojevic, M. Vladymirovna, G. Vrachatis, M. Zlokolic-Mandic, B. J. Wigum) (2012). European ground water geochemistry: using bottled water as a sampling medium. Chapter 10 in Quercia, F.F. & Vidojevic, D. (eds.), *Clean Soil and*

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- Frank, Y., Lukina, A., Kadnikov, V., Banks, D., Bukhtiyarova, P., Ravin, N.V. & Karnachuk, O. (2014). Sampling of a deep hydrocarbon exploration well in Western Siberia reveals deeply branched bacterial phylotypes. *Proc. 10th International Congress on Extremophiles - "Extremophiles 2014", St. Petersburg, Russia, 7<sup>th</sup>-11<sup>th</sup> September 2014*, Paper O60.

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- Banks, D. (2015). A review of the importance of regional groundwater advection for ground heat exchange. *Environmental Earth Sciences*, 73(6), 2555-2565. doi: [10.1007/s12665-014-3377-4](https://doi.org/10.1007/s12665-014-3377-4). (First published online June 2014).
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- Frank, Y., Banks, D., Avakian, M., Antsiferov, D., Kadychagov, P. & Karnachuk, O. (2016). Firmicutes is an important component of microbial communities in water-injected and pristine oil reservoirs; Western Siberia, Russia. *Geomicrobiology Journal*, 33(5), 387-400. doi: [10.1080/01490451.2015.1045635](https://doi.org/10.1080/01490451.2015.1045635)
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