

Arrell, Katherine

- ARRELL, K. E., DONOGHUE, D. N. & WISE, S. 2008. Spectral filtering as a method of visualising and removing striped artefacts in digital elevation data. *Earth Surface Processes and Landforms*, 33, 943-961.
- DURHAM, H., ARRELL, K. & DIBIASE, D. 2008. Collaborative Learning Activity Design: Learning about the Global Positioning System. In: REES, P., MACKAY, L., MARTIN, D. & DURHAM, H. (eds.) *E-Learning for Geographers: Online Material, Resources and Repositories*. Information Science Reference. Hershey PA.
- ABOU ROMIEH, M., WESTAWAY, R., DAOUD, M., RADWAN, Y., YASSMINH, R., KHALIL, A., AL-ASHKAR, A., LOUGHLIN, S., ARRELL, K. & BRIDGLAND, D. 2009. Active crustal shortening in NE Syria revealed by deformed terraces of the River Euphrates. *TERRA NOVA*, 21, 427-437.

Baird, Andrew

- BAIRD, A. J., EADES, P. A. & SURRIDGE, B. W. J. 2008. The hydraulic structure of a raised bog and its implications for ecohydrological modelling of bog development. *ECOHYDROLOGY*, 1, 289-298.
- KETTRIDGE, N. & BAIRD, A. 2008. Modelling soil temperatures in northern peatlands. *EUROPEAN JOURNAL SOIL SCIENCE*, 59, 327-338.
- KETTRIDGE, N., COMAS, X., BAIRD, A., SLATER, L., STRACK, M., THOMPSON, D., JOL, H. & BINLEY, A. 2008. Ecohydrologically important subsurface structures in peatlands revealed by ground-penetrating radar and complex conductivity surveys. *JOURNAL OF GEOPHYSICAL RESEARCH-BIOGEOSCIENCES*, 113.
- TETZLAFF, D., MCDONNELL, J. J., UHLENBROOK, S., MCGUIRE, K. J., BOGAART, P. W., NAEF, F., BAIRD, A. J., DUNN, S. M. & SOULSBY, C. 2008. Conceptualizing catchment processes: simply too complex? *HYDROLOGICAL PROCESSES*, 22, 1727-1730.
- BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. 2009. *Carbon Cycling in Northern Peatlands*, Washington DC, American Geophysical Union Monograph.
- BAIRD, A. J., BELYEA, L. R. & MORRIS, P. J. 2009. Upscaling of peatland-atmosphere fluxes of methane: small-scale heterogeneity in process rates and the pitfalls of "bucket-and-slab" models. In: BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. (eds.) *Carbon Cycling in Northern Peatlands*. Washington DC: American Geophysical Union.
- BAIRD, A. J., COMAS, X., SLATER, L. D., BELYEA, L. R. & REEVE, A. S. 2009. Understanding carbon cycling in northern peatlands: recent developments and future prospects. In: BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. (eds.) *Carbon Cycling in Northern Peatlands*. Washington DC: American Geophysical Union.
- COULTHARD, T. J., BAIRD, A. J., RAMIREZ, J. & WADDINGTON, J. M. 2009. Methane dynamics in peat: importance of shallow peats and a novel reduced-complexity approach for modeling ebullition. In: BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. (eds.) *Carbon Cycling in Northern Peatlands*. Washington DC: American Geophysical Union.
- HOLDEN, J., SMART, R., CHAPMAN, P. J., BAIRD, A. J. & BILLET, M. 2009. The role of natural soil pipes in water and carbon transfer in and from peatlands. In: BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. (eds.) *Carbon Cycling in Northern Peatlands*. Washington DC: American Geophysical Union Monograph.
- WADDINGTON, J. M., HARRISON, K., KELLNER, E. & BAIRD, A. J. 2009. Effect of atmospheric pressure and temperature on entrapped gas content in peat. *HYDROLOGICAL PROCESSES*, 23, 2970-2980.
- WADDINGTON, J. M., KETCHESON, S. J., KELLNER, E., STRACK, M. & BAIRD, A. J. 2009. Evidence that piezometers vent gas from peat soils and implications for pore-water pressure and hydraulic conductivity measurements. *HYDROLOGICAL PROCESSES*, 23, 1249-1254.
- KETTRIDGE, N. & BAIRD, A. J. 2010. Simulating the thermal behavior of northern peatlands with a 3-D microtopography. *J. Geophys. Res.*, 115, G03009.

BAIRD, A. J., STAMP, I., HEPPELL, C. M. & GREEN, S. M. 2010. CH₄ flux from peatlands: a new measurement method. *ECOHYDROLOGY*, 3, 360-367.

Blundell, Antony

- MAUQUOY, D., YELOFF, D., VAN GEEL, B., CHARMAN, D. J. & **BLUNDELL, A.** 2008. Two decadal resolved records from north-west European peat bogs show rapid climate changes associated with solar variability during the mid-late Holocene. *Journal of Quaternary Science*, 23, 745-763.
- BARBER, K., LANGDON, P. & **BLUNDELL, A.** 2008. Dating the Glen Garry tephra: a widespread late-Holocene marker horizon in the peatlands of northern Britain. *The Holocene*, 18, 31-43.
- BLUNDELL, A.**, CHARMAN, D. J. & BARBER, K. 2008. Multiproxy late Holocene peat records from Ireland: towards a regional palaeoclimate curve. *Journal of Quaternary Science*, 23, 59-71.
- BLUNDELL, A.**, DEARING, J. A., BOYLE, J. F. & HANNAM, J. A. 2009. Controlling factors for the spatial variability of soil magnetic susceptibility across England and Wales. *Earth-Science Reviews*, 95, 158-188.
- BLUNDELL, A.**, HANNAM, J. A., DEARING, J. A. & BOYLE, J. F. 2009. Detecting atmospheric pollution in surface soils using magnetic measurements: A reappraisal using an England and Wales database. *Environmental Pollution*, 157, 2878-2890.
- SWINDLES, G. T., **BLUNDELL, A.**, ROE, H. M. & HALL, V. A. 2010. A 4500-year proxy climate record from peatlands in the North of Ireland: the identification of widespread summer drought phases? *Quaternary Science Reviews*, 29, 1577-1589.
- BOYLE, J. F., DEARING, J. A., **BLUNDELL, A.** & HANNAM, J. A. 2010. Testing competing hypotheses for soil magnetic susceptibility using a new chemical kinetic model. *Geology*, 38, 1059-1062.

Brown, Lee

- WEBB, B. W., HANNAH, D. M., MOORE, R. D., **BROWN, L. E.** & NOBILIS, F. 2008. Recent advances in stream and river temperature research. *HYDROLOGICAL PROCESSES*, 22, 902-918.
- CADBURY, S. L., HANNAH, D. M., MILNER, A. M., PEARSON, C. P. & **BROWN, L. E.** 2008. Stream temperature dynamics within a New Zealand glacierized river basin. *River Research and Applications*, 24, 68-89.
- HANNAH, D. M., **BROWN, L. E.** & MILNER, A. M. 2008. Hyporheic temperature dynamics of an alpine stream. *Geophysical Research Abstracts*, 10, pp.10954.
- BROWN, L. E.** & HANNAH, D. M. 2008. Spatial heterogeneity of stream temperature across an alpine river basin. *HYDROLOGICAL PROCESSES*, 22, 954-967.
- BROWN, L. E.**, CEREGHINO, R. & COMPIN, A. 2009. Endemic freshwater invertebrates from southern France: Diversity, distribution and conservation implications. *BIOL CONSERV*, 142, 2613-2619.
- BROWN, L. E.**, HANNAH, D. M. & MILNER, A. M. 2009. ARISE: A classification approach for Alpine River and Stream Ecosystems. *Freshwater Biology*, 54, 1357-1369.
- INGS, T. C., MONTOYA, J. M., BASCOMPTE, J., BLÜTHGEN, N., **BROWN, L. E.**, DORMANN, C. F., EDWARDS, F., FIGUEROA, D., JACOB, U., JONES, J. I., LAURISDEN, R. B., LEDGER, M. E., OLESEN, J. M., VAN VEEN, F. J., WARREN, P. H. & WOODWARD, G. 2009. Ecological networks – beyond food webs. *Journal of Animal Ecology*, 78, 253-269.
- MILNER, A. M., **BROWN, L. E.** & HANNAH, D. M. 2009. Hydroecological effects of shrinking glaciers. *HYDROLOGICAL PROCESSES*, 23, 62-77.
- RAMCHUNDER, S. J., **BROWN, L. E.** & HOLDEN, J. 2009. Environmental effects of drainage, drain-blocking and prescribed vegetation burning in UK upland peatlands. *Progress in Physical Geography*, 33, 49-79.

- WOODWARD, G., PERKINS, D. M. & **BROWN, L. E.** 2010. Climate change and freshwater ecosystems: impacts across multiple levels of organization. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 365, 2093-2106.
- BROWN, L.**, MILNER, A. & HANNAH, D. 2010. Predicting river ecosystem response to glacial meltwater dynamics: a case study of quantitative water sourcing and glaciality index approaches. *Aquatic Sciences - Research Across Boundaries*, 72, 325-334.
- MILNER, A. M., BRITAIN, J. E., **BROWN, L. E.** & HANNAH, D. M. 2010. Water sources and habitat of alpine streams. In: BUNDI, U., PETER, A., ROBINSON, C., SCHÄDLER, B., TRUFFER, B., WEHRLI, B. & WEINGARTNER, R. (eds.) *Alpine Waters*. Berlin: Springer.
- WOODWARD, G., BENSTEAD, J. P., BEVERIDGE, O. S., BLANCHARD, J., BREY, T., **BROWN, L. E.**, CROSS, W. F., FRIBERG, N., INGS, T. C., JACOB, U., JENNINGS, S., LEDGER, M. E., MILNER, A. M., MONTOYA, J. M., O'GORMAN, E., OLESEN, J. M., PETCHEY, O. L., PICHLER, D. E., REUMAN, D. C., THOMPSON, M. S. A., VAN VEEN, F. J. F. & YVON-DUROCHER, G. 2010. Ecological Networks in a Changing Climate. In: GUY, W. (ed.) *Advances in Ecological Research*. Academic Press, p71-138.
- BROWN, L. E.**, COOPER, L., HOLDEN, J. & RAMCHUNDER, S. J. 2010. A comparison of stream water temperature regimes from open and afforested moorland, Yorkshire Dales, northern England. *HYDROLOGICAL PROCESSES*, 24, 3206-3218.
- BROWN, L. E.**, MITCHELL, G., HOLDEN, J., FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., CHAPMAN, P., CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., JOHNSTON, K., KAY, P., MCDONALD, A., PARROTT, A., POWELL, A., SLACK, R. J., SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & WOULD, C. 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.

Carrivick, Jonathan

- CARRIVICK, J. L.** 2009. Jökulhlaups from Kverkfjöll volcano, Iceland: modelling transient hydraulic phenomena. In: DEVON BURR, V. B. P. C. (ed.) *MEGAFLOODING ON EARTH AND MARS*. Cambridge University Press.
- CARRIVICK, J. L.**, MANVILLE, V. & CRONIN, S. J. 2009. A fluid dynamics approach to modelling the 18th March 2007 lahar at Mt. Ruapehu, New Zealand. *Bulletin of Volcanology*, 71, 153-169.
- CARRIVICK, J. L.** & RUSHMER, E. L. 2009. Inter- and Intra-catchment Variations in Proglacial Geomorphology: An Example from Franz Josef Glacier and Fox Glacier, New Zealand. *ARCTIC ANTARCTIC AND ALPINE RESEARCH*, 41, 18-36.
- CARRIVICK, J. L.**, RUSSELL, A. J., RUSHMER, E. L., TWEED, F. S., MARREN, P. M., DEEMING, H. & LOWE, O. J. 2009. Geomorphological evidence towards a de-glacial control on volcanism. *EARTH SURF PROC LAND*, 34, 1164-1178.
- CARRIVICK, J. L.** 2010. Dam break - Outburst flood propagation and transient hydraulics: A geosciences perspective. *J HYDROL*, 380, 338-355.
- CARRIVICK, J. L.**, MANVILLE, V., GRAETTINGER, A. & CRONIN, S. J. 2010. Coupled fluid dynamics-sediment transport modelling of a Crater Lake break-out lahar: Mt. Ruapehu, New Zealand. *Journal of Hydrology*, 388, 399-413.

Chapman, Pippa

- CHAPMAN, P. J.** 2008. Soil and the environment. In: HOLDEN, J. (ed.) *An introduction to Physical Geography and the Environment. Second edition*. Harlow: Pearson Education.
- CHAPMAN, P. J.**, CLARK, J. M., REYNOLDS, B. & ADAMSON, J. K. 2008. The influence of organic acids in relation to acid deposition in controlling the acidity of soil and stream waters on a seasonal basis. *ENVIRON POLLUT*, 151, 110-120.
- CLARK, J. M., ASHLEY, D. J., **CHAPMAN, P. J.**, WAGNER, M., EVANS, C. D., LANE, S. N. & HEATHWAITE, A. 2008. Increased temperature sensitivity of DOC release from ombrotrophic peat due to water table draw-down. *Global Change Biology*.

- CLARK, J. M., LANE, S. N., **CHAPMAN, P. J.** & ADAMSON, J. K. 2008. Link between DOC in near surface peat and stream water in an upland catchment. *SCI TOTAL ENVIRON*, 404, 308-315.
- GALLART, F., BOTTI, P., AMAXIDIS, Y., CANÈ, G., CASTILLO, V., **CHAPMAN, P. J.**, FROEBRICH, J., GARCÍA, J., LATRON, J., LLORENS, P., LO PORTO, M., MORAIS, M., NEVES, R., NINOV, P., PERRIN, J. L., RIBAROVA, I., SKOULIKIDIS, N. & TOURNOUD, M. G. 2008. Investigating hydrological regimes and processes in a set of catchments with temporary waters in Mediterranean Europe. *Hydrological Sciences Journal*, 53, 618-628.
- MCDONALD, A. T., **CHAPMAN, P. J.** & FUKASAWA, K. 2008. The microbial status of natural waters in a protected wilderness area. *Journal of Environmental Management*, 87, 600-608.
- HOLDEN, J., SMART, R., **CHAPMAN, P. J.**, BAIRD, A. J. & BILLETT, M. 2009. The role of natural soil pipes in water and carbon transfer in and from peatlands. In: BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. (eds.) *Carbon Cycling in Northern Peatlands*. Washington DC: American Geophysical Union Monograph.
- REED, M. S., BONN, A., SLEE, W., BEHARRY-BORG, N., BIRCH, J., BROWN, I., BURT, T. P., CHAPMAN, D., **CHAPMAN, P. J.**, CLAY, G., CORNELL, S., FRASER, E. D. G., HOLDEN, J., HODGSON, J., HUBACEK, K., IRVINE, B., JIN, N., KIRKBY, M. J., KUNIN, W., MOORE, O., MOSELEY, D., PRELL, C., QUINN, C., REDPATH, S., STAGL, S., STRINGER, L. C., TERMANSEN, M., THORP, S., TOWERS, W. & WORRALL, F. 2009. The future of the uplands. *LAND USE POLICY*, 26, 202-216.
- CHAPMAN, P.**, MCDONALD, A., TYSON, R., PALMER, S., MITCHELL, G., IRVINE, B. (2010). "Changes in water colour between 1986 and 2006 in the headwaters of the River Nidd, Yorkshire, UK." *BIOGEOCHEMISTRY*, 101(1): 281-294.
- CLARK, J. M., BOTTRELL, S. H., EVANS, C. D., MONTEITH, D. T., BARTLETT, R., ROSE, R., NEWTON, R. J. & **CHAPMAN, P. J.** 2010. The importance of the relationship between scale and process in understanding long-term DOC dynamics. *Science of the Total Environment*, 408, 2768-2775.
- BROWN, L. E., MITCHELL, G., HOLDEN, J., FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., **CHAPMAN, P.**, CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., JOHNSTON, K., KAY, P., MCDONALD, A., PARROTT, A., POWELL, A., SLACK, R. J., SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & WOULD'S, C. 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.
- CHAPMAN, P.**, MCDONALD, A., TYSON, R., PALMER, S., MITCHELL, G., IRVINE, B. 2010. Changes in water colour between 1986 and 2006 in the headwaters of the River Nidd, Yorkshire, UK. *BIOGEOCHEMISTRY*, 101, 281-294.
- HOLDEN, J., REED, M., HUBACEK, K. WORRALL, F., BEHARRY-BORG, N. BURT, T.P., **CHAPMAN, P.J.**, DOUGILL, A.J., FRASER, E., IRVINE, B., JIN, N., KIRKBY, M.J., PRELL, C., QUINN, C., TERMANSEN, M., BUCKMASTER, S. 2010. Sustainable uplands for sustainable lowlands. . In: ATHERDEN, M., BLOOMER, A., AND WALLACE, V. (ed.) *Yorkshire's green and healthy land? Connecting urban and rural greenspace*. . York: PLACE.

Grayson, Richard

- GRAYSON, R.**, KAY, P. & FOULGER, M. 2008. The use of GIS and multi-criteria evaluation (MCE) to identify agricultural land management practices which cause surface water pollution in drinking water supply catchments. *Water Science Technology*, 58, 1797-1802.
- GRAYSON, R.** & PLATER, A. 2008. A lake sediment record of Pb mining from Ullswater, English Lake District, UK. *Journal of Paleolimnology*, 42, 183-197.
- GRAYSON, R.**, HOLDEN, J. & ROSE, R. 2010. Long-term change in storm hydrographs in response to peatland vegetation change. *Journal of Hydrology*, 389, 336-343.

Gupta, Avijit

- GUPTA, A.** 2008. The monsoon rivers of South Asia: a geomorphological perspective on managing monsoon rivers. In: LAHIRI-DUTT, K. & WASSON, R. J. (eds.) *Water First: Issues and Challenges for Nations and Communities in South Asia*. New Delhi: Sage Publication.
- LIEW, S. C., **GUPTA, A.**, WONG, P. P. & KWONG, L. K. 2008. Coastal recovery following the destructive tsunami of 2004, Aceh, Sumatra, Indonesia. *The Sedimentary Record*, 3, 4-9.

- LIEW, S. C., THOURET, J. C., **GUPTA, A.** & KHOW, L. K. 2008. First satellite image of a moving pyroclastic flow. *Eos, Transactions, American Geophysical Union*, 88, pp.202.
- GUPTA, A.** 2009. Geology and landforms of the Mekong Basin. In: CAMPBELL, I. C. (ed.) *The Mekong: Biophysical Environment of an international river basin*. Elsevier.
- GUPTA, A.** & BRAVARD, J.-P. 2010. Introduction to management of large European rivers. *GEOMORPHOLOGY*, 117, 217-218.
- THOURET, J.-C., **GUPTA, A.**, LUBE, G., LIEW, S. C., CRONIN, S. J. & SURONO 2010. The 2006 pyroclastic deposits of Merapi Volcano, Java, Indonesia: High-spatial resolution IKONOS images and complementary ground based observations. *Remote Sensing of Environment*, 114, 1949-1967.
- LIEW, S. C., **GUPTA, A.**, WONG, P. P. & KWOH, L. K. 2010. Recovery from a large tsunami mapped over time: The Aceh coast, Sumatra. *GEOMORPHOLOGY*, 114, 520-529.

Holden, Joseph

- HOLDEN, J.** 2008. Approaching Physical Geography. In: HOLDEN, J. (ed.) *An Introduction to Physical Geography and the Environment*. Pearson Education.
- HOLDEN, J.** 2008. Catchment hydrology. In: HOLDEN, J. (ed.) *An Introduction to Physical Geography and the Environment*. Pearson Education.
- HOLDEN, J.** 2008. *An Introduction to Physical Geography and the Environment*, Pearson Education, Harlow.
- HOLDEN, J.** 2008. Quaternary environmental change. In: HOLDEN, J. (ed.) *An Introduction to Physical Geography and the Environment*. An Introduction to Physical Geography and the Environment.
- HOLDEN, J.**, KIRKBY, M. J., LANE, S. N., MILLEDGE, D. G., BROOKES, C. J., HOLDEN, V. & MCDONALD, A. T. 2008. Overland flow velocity and roughness properties in peatlands. *WATER RESOUR RES*, 44.
- HOLDEN, J.** 2008. Upland hydrology. In: BONN, A., ALLOTT T., HUBACEK K. & STEWART J. (eds.) *Drivers of environmental change in uplands*. Routledge.
- HOWARD, A. J., CHALLIS, K., **HOLDEN, J.**, KINCEY, M. & PASSMORE, D. G. 2008. The impact of climate change on archaeological resources in Britain: a catchment scale assessment. *CLIMATIC CHANGE*, 91, 405-422.
- LIMPENS, J., BERENDSE, F., BLODAU, C., CANADELL, P., FREEMAN, J., HÅKAN RYDIN, H., **HOLDEN, J.**, ROULET, N., SCHAEPMAN-STRUB, H. & VITT, G. 2008. Peatlands and the carbon cycle: from local processes to global implications - a synthesis. *BIOGEOSCIENCES*, 5, 1475-1491.
- HOLDEN, J.** 2009. Flow through macropores of different size classes in blanket peat. *J HYDROL*, 364, 342-348.
- HOLDEN, J.** 2009. Topographic controls upon soil macropore flow. *Earth Surface Processes and Landforms*, 34, 345-351.
- HOLDEN, J.** & GELL, K. F. 2009. Morphological characterization of solute flow in a brown earth grassland soil with crane fly larvae burrows (leatherjackets). *GEODERMA*, 152, 181-186.
- HOLDEN, J.**, HOWARD, A. J., WEST, L. J., MAXFIELD, E., PANTER, I. & OXLEY, J. 2009. A critical review of hydrological data collection for assessing preservation risk for urban waterlogged archaeology: A case study from the City of York, UK. *J ENVIRON MANAGE*, 90, 3197-3204.
- HOLDEN, J.**, SMART, R., CHAPMAN, P. J., BAIRD, A. J. & BILLET, M. 2009. The role of natural soil pipes in water and carbon transfer in and from peatlands. In: BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. (eds.) *Carbon Cycling in Northern Peatlands*. Washington DC: American Geophysical Union Monograph.
- RAMCHUNDER, S. J., BROWN, L. E. & **HOLDEN, J.** 2009. Environmental effects of drainage, drain-blocking and prescribed vegetation burning in UK upland peatlands. *Progress in Physical Geography*, 33, 49-79.

- REED, M. S., ARBLASTER, K., BULLOCK, C., BURTON, R. J. F., DAVIES, A. L., **HOLDEN, J.**, HUBACEK, K., MAY, R., MITCHLEY, J., MORRIS, J., NAINGGOLAN, D., POTTER, C., QUINN, C. H., SWALES, V. & THORP, S. 2009. Using scenarios to explore UK upland futures. *FUTURES*, 41, 619-630.
- REED, M. S., BONN, A., SLEE, W., BEHARRY-BORG, N., BIRCH, J., BROWN, I., BURT, T. P., CHAPMAN, D., CHAPMAN, P. J., CLAY, G., CORNELL, S., FRASER, E. D. G., **HOLDEN, J.**, HODGSON, J., HUBACEK, K., IRVINE, B., JIN, N., KIRKBY, M. J., KUNIN, W., MOORE, O., MOSELEY, D., PRELL, C., QUINN, C., REDPATH, S., STAGL, S., STRINGER, L. C., TERMANSEN, M., THORP, S., TOWERS, W. & WORRALL, F. 2009. The future of the uplands. *LAND USE POLICY*, 26, 202-216.
- WORRALL, F., EVANS, M. G., BONN, A., REED, M. S., CHAPMAN, D. & **HOLDEN, J.** 2009. Can carbon offsetting pay for upland ecological restoration? *SCI TOTAL ENVIRON*, 408, 26-36.
- ARMSTRONG, A., **HOLDEN, J.**, KAY, P., FOULGER, M., GLEDHILL, S., MCDONALD, A. T. & WALKER, A. 2009. Drain-blocking techniques on blanket peat: A framework for best practice. *J ENVIRON MANAGE*, 90, 3512-3519.
- HUBACEK, K., BEHARRY, N., BONN, A., BURT, T., **HOLDEN, J.**, RAVERA, F., REED, M., STRINGER, L., TARRASÓN D. 2009. Ecosystem services in dynamic and contested landscapes: the case of UK uplands. . In: WINTER, M., AND LOBLEY, M. (ed.) *What is land for?* London: Earthscan.
- ARMSTRONG, A., **HOLDEN, J.**, KAY, P., FRANCIS, B., FOULGER, M., GLEDHILL, S., MCDONALD, A. T. & WALKER, A. 2010. The impact of peatland drain-blocking on dissolved organic carbon loss and discolouration of water; results from a national survey. *J HYDROL*, 381, 112-120.
- HOLDEN, J.**, REED, M., HUBACEK, K. WORRALL, F., BEHARRY-BORG, N. BURT, T.P., CHAPMAN, P.J., DOUGILL, A.J., FRASER, E., IRVINE, B., JIN, N., KIRKBY, M.J., PRELL, C., QUINN, C., TERMANSEN, M., BUCKMASTER, S. 2010. Sustainable uplands for sustainable lowlands. . In: ATHERDEN, M., BLOOMER, A., AND WALLACE, V. (ed.) *Yorkshire's green and healthy land? Connecting urban and rural greenspace.* . York: PLACE.
- BROWN, L. E., COOPER, L., **HOLDEN, J.** & RAMCHUNDER, S. J. 2010. A comparison of stream water temperature regimes from open and afforested moorland, Yorkshire Dales, northern England. *HYDROLOGICAL PROCESSES*, 24, 3206-3218.
- BROWN, L. E., MITCHELL, G., **HOLDEN, J.**, FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., CHAPMAN, P., CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., JOHNSTON, K., KAY, P., MCDONALD, A., PARROTT, A., POWELL, A., SLACK, R. J., SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & WOULD'S, C. 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.
- HEINEMEYER, A., CROFT, S., GARNETT, M. H., GLOOR, E., **HOLDEN, J.**, LOMAS, M. R., INESON, P. 2010. The MILLENNIA peat cohort model: predicting past, present and future soil carbon budgets and fluxes under changing climates in peatlands. *Climate Research*, 45, 207-226.
- GRAYSON, R., **HOLDEN, J.** & ROSE, R. 2010. Long-term change in storm hydrographs in response to peatland vegetation change. *Journal of Hydrology*, 389, 336-343.
- ROBROEK, B. J. M., SMART, R. P. & **HOLDEN, J.** 2010. Sensitivity of blanket peat vegetation and hydrochemistry to local disturbances. *Science of The Total Environment*, 408, 5028-5034.
- WILSON, L., WILSON, J., **HOLDEN, J.**, JOHNSTONE, I., ARMSTRONG, A. & MORRIS, M. 2010. Recovery of water tables in Welsh blanket bog after drain blocking: Discharge rates, time scales and the influence of local conditions. *Journal of Hydrology*, 391, 377-386.
- WALLAGE, Z. E. & **HOLDEN, J.** 2010. Spatial and temporal variability in the relationship between water colour and dissolved organic carbon in blanket peat pore waters. *Science of The Total Environment*, 408, 6235-6242.
- BURT, T. P., **HOLDEN, J.** 2010. Changing temperature and rainfall gradients in the British Uplands. *Climate Research*, 45, 57-70.

Irvine, Brian

- KIRKBY, M. J., **IRVINE, B. J.**, JONES, R. J. A., GOVERS, G. & TEAM, P. 2008. The PESERA coarse scale erosion model for Europe. I. - Model rationale and implementation. *EUR J SOIL SCI*, 59, 1293-1306.

- REED, M. S., BONN, A., SLEE, W., BEHARRY-BORG, N., BIRCH, J., BROWN, I., BURT, T. P., CHAPMAN, D., CHAPMAN, P. J., CLAY, G., CORNELL, S., FRASER, E. D. G., HOLDEN, J., HODGSON, J., HUBACEK, K., **IRVINE, B.**, JIN, N., KIRKBY, M. J., KUNIN, W., MOORE, O., MOSELEY, D., PRELL, C., QUINN, C., REDPATH, S., STAGL, S., STRINGER, L. C., TERMANSEN, M., THORP, S., TOWERS, W. & WORRALL, F. 2009. The future of the uplands. *LAND USE POLICY*, 26, 202-216.
- CHAPMAN, P., MCDONALD, A., TYSON, R., PALMER, S., MITCHELL, G., **IRVINE, B.** (2010). "Changes in water colour between 1986 and 2006 in the headwaters of the River Nidd, Yorkshire, UK." *BIOGEOCHEMISTRY*, 101(1): 281-294.
- MUNTHALI, K. G., **IRVINE, B. J.** & MURAYAMA, Y. 2011. Reservoir Sedimentation and Flood Control: Using a Geographical Information System to Estimate Sediment Yield of the Songwe River Watershed in Malawi. *Sustainability*, 3, 254-269.
- HOLDEN, J., REED, M., HUBACEK, K. WORRALL, F., BEHARRY-BORG, N. BURT, T.P., CHAPMAN, P.J., DOUGILL, A.J., FRASER, E., **IRVINE, B.**, JIN, N., KIRKBY, M.J., PRELL, C., QUINN, C., TERMANSEN, M., BUCKMASTER, S. 2010. Sustainable uplands for sustainable lowlands. In: ATHERDEN, M., BLOOMER, A., AND WALLACE, V. (ed.) *Yorkshire's green and healthy land? Connecting urban and rural greenspace*. York: PLACE.

Kerrylyn Johnston

- BROWN, L. E., MITCHELL, G., HOLDEN, J., FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., CHAPMAN, P., CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., **JOHNSTON, K.**, KAY, P., MCDONALD, A., PARROTT, A., POWELL, A., SLACK, R. J., SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & WOULD, S. C. 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.
- JOHNSTON, K.**, ROBSON, B. J. & FAIRWEATHER, P. G. 2010. Trophic positions of omnivores are not always flexible: Evidence from four species of freshwater crayfish. *Austral Ecology*.

Kay, Paul

- BLACKWELL, P. A., **KAY, P.**, ASHAUER, R. & BOXALL, A. B. A. 2008. Effects of agricultural conditions on the leaching behaviour of veterinary antibiotics in soils. *Chemosphere*, 75, 13-19.
- BYRNE-BAILEY, K. G., GAZE, W. H., **KAY, P.**, BOXALL, A. B. A., HAWKEY, P. M. & WELLINGTON, E. M. H. 2008. Prevalence of sulphonamide resistance genes in bacterial isolates from manured UK agricultural soils and pig slurry. *Anitmicrobial Agents and Chemotherapy*, 53, 696-702.
- GRAYSON, R., **KAY, P.** & FOULGER, M. 2008. The use of GIS and multi-criteria evaluation (MCE) to identify agricultural land management practices which cause surface water pollution in drinking water supply catchments. *Water Science Technology*, 58, 1797-1802.
- KAY, P.**, EDWARDS, A. C. & FOULGER, M. 2008. A review of the efficacy of contemporary agricultural stewardship measures for ameliorating water pollution problems of key concern to the UK water industry. *Agricultural Systems*.
- ARMSTRONG, A., HOLDEN, J., **KAY, P.**, FOULGER, M., GLEDHILL, S., MCDONALD, A. T. & WALKER, A. 2009. Drain-blocking techniques on blanket peat: A framework for best practice. *J ENVIRON MANAGE*, 90, 3512-3519.
- KAY, P.**, ARMSTRONG, A., MCDONALD, A., PARSONS, D., BEST, J., PEAKALL, J., WALKER, A., FOULGER, M., GLEDHILL, S. & TILLOTSON, M. 2009. A pilot study of the efficacy of residuum lodges for managing sediment delivery to impoundment reservoirs. *WATER ENVIRON J*, 23, 52-62.
- ARMSTRONG, A., HOLDEN, J., **KAY, P.**, FRANCIS, B., FOULGER, M., GLEDHILL, S., MCDONALD, A. T. & WALKER, A. 2010. The impact of peatland drain-blocking on dissolved organic carbon loss and discolouration of water; results from a national survey. *J HYDROL*, 381, 112-120.
- BROWN, L. E., MITCHELL, G., HOLDEN, J., FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., CHAPMAN, P., CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., **JOHNSTON, K.**, **KAY, P.**, MCDONALD, A., PARROTT, A., POWELL, A., SLACK, R. J., SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & WOULD, S. C. 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.

KAY, P. 2010. Reply to comment on 'A pilot study of the efficacy of residuum lodges for managing sediment delivery to impoundment reservoirs'. *Water and Environment Journal*, 24, 248-248

BYRNE-BAILEY, K. G., GAZE, W. H., ZHANG, L., **KAY, P.**, BOXALL, A., HAWKEY, P. M. & WELLINGTON, E. M. H. 2011. Integron Prevalence and Diversity in Manured Soil. *Appl. Environ. Microbiol.*, 77, 684-687.

Kirkby, Mike

DUNN, S. M., FREER, J., WEILER, M., **KIRKBY, M. J.**, SEIBERT, J., QUINN, P. F., LISCHIED, G., TETZLAFF, D. & SOULSBY, C. 2008. Conceptualization in catchment modelling: simply learning? *HYDROL PROCESS*, 22, 2389-2393.

HOLDEN, J., **KIRKBY, M. J.**, LANE, S. N., MILLEDGE, D. G., BROOKES, C. J., HOLDEN, V. & MCDONALD, A. T. 2008. Overland flow velocity and roughness properties in peatlands. *WATER RESOUR RES*, 44.

KIRKBY, M. J., IRVINE, B. J., JONES, R. J. A., GOVERS, G. & TEAM, P. 2008. The PESERA coarse scale erosion model for Europe. I. - Model rationale and implementation. *EUR J SOIL SCI*, 59, 1293-1306.

KIRKBY, M. J. & BRACKEN, L. J. 2009. Gully processes and gully dynamics. *EARTH SURF PROC LAND*, 34, 1841-1851.

LICCIARDELLO, F., GOVERS, G., CERDAN, O., **KIRKBY, M. J.**, VACCA, A. & KWAAD, F. 2009. Evaluation of the PESERA model in two contrasting environments. *EARTH SURF PROC LAND*, 34, 629-640.

REED, M. S., BONN, A., SLEE, W., BEHARRY-BORG, N., BIRCH, J., BROWN, I., BURT, T. P., CHAPMAN, D., CHAPMAN, P. J., CLAY, G., CORNELL, S., FRASER, E. D. G., HOLDEN, J., HODGSON, J., HUBACEK, K., IRVINE, B., JIN, N., **KIRKBY, M. J.**, KUNIN, W., MOORE, O., MOSELEY, D., PRELL, C., QUINN, C., REDPATH, S., STAGL, S., STRINGER, L. C., TERMANSEN, M., THORP, S., TOWERS, W. & WORRALL, F. 2009. The future of the uplands. *LAND USE POLICY*, 26, 202-216.

HOLDEN, J., REED, M., HUBACEK, K., WORRALL, F., BEHARRY-BORG, N., BURT, T.P., CHAPMAN, P.J., DOUGILL, A.J., FRASER, E., IRVINE, B., JIN, N., **KIRKBY, M.J.**, PRELL, C., QUINN, C., TERMANSEN, M., BUCKMASTER, S. 2010. Sustainable uplands for sustainable lowlands. . In: ATHERDEN, M., BLOOMER, A., AND WALLACE, V. (ed.) *Yorkshire's green and healthy land? Connecting urban and rural greenspace*. . York: PLACE.

McDonald, Adrian

ANTONY, S., BRADFORD, M., CROWTHER, J., EDWARDS, A., FEWTRELL, L., FRANCIS, C. A., HOPKINS, M., KAY, C., KAY, D. V., **MCDONALD, A. T.**, STAPLETON, C. M., WATKINS, J., WILKINSON, J. & WYER, M. D. 2008. Faecal indicator organism concentrations and catchment. *Water Research*, 42, pp.2649 – 2661.

EDWARD, A. C., KAY, D., **MCDONALD, A. T.**, FRANCIS, C., WATKINS, J., WILKINSON, J. R. & WYER, M. D. 2008. Farmyards, an overlooked source for highly contaminated runoff. *J ENVIRON MANAGE*, 87, 551-559.

HOLDEN, J., KIRKBY, M. J., LANE, S. N., MILLEDGE, D. G., BROOKES, C. J., HOLDEN, V. & **MCDONALD, A. T.** 2008. Overland flow velocity and roughness properties in peatlands. *WATER RESOUR RES*, 44.

KAY, D., CROWTHER, J., FEWTRELL, L., FRANCIS, C. A., HOPKINS, M., KAY, C., **MCDONALD, A. T.**, STAPLETON, C. M., WATKINS, J., WILKINSON, J. & WYER, M. D. 2008. Quantification and control of microbial pollution from agriculture: a new policy challenge? *ENVIRON SCI POLICY*, 11, 171-184.

MCDONALD, A. T., CHAPMAN, P. J. & FUKASAWA, K. 2008. The microbial status of natural waters in a protected wilderness area. *Journal of Environmental Management*, 87, 600-608.

MCDONALD, A. T., MCDONALD, A. D., KAY, D. & WATKINS, J. 2008. Characteristics and significance of liquid effluent from woodchip corrals in Scotland. *J ENVIRON MANAGE*, 87, 582-590.

STAPLETON, C. M., WYER, M. D., CROWTHER, J., **MCDONALD, A. T.**, KAY, D., GREAVES, J., WITHER, A., WATKINS, J., FRANCIS, C., BRADFORD, M. & HUMPHREY, N. 2008. Quantitative catchment profiling to apportion faecal indicator organism budgets for the Ribble system, the UK's sentinel drainage basin for Water Framework Directive research. *Journal of Environmental Management*, 1-15.

- ARMSTRONG, A., HOLDEN, J., KAY, P., FOULGER, M., GLEDHILL, S., **MCDONALD, A. T.** & WALKER, A. 2009. Drain-blocking techniques on blanket peat: A framework for best practice. *J ENVIRON MANAGE*, 90, 3512-3519.
- KAY, P., ARMSTRONG, A., **MCDONALD, A.**, PARSONS, D., BEST, J., PEAKALL, J., WALKER, A., FOULGER, M., GLEDHILL, S. & TILLOTSON, M. 2009. A pilot study of the efficacy of residuum lodges for managing sediment delivery to impoundment reservoirs. *WATER ENVIRON J*, 23, 52-62.
- MCDONALD, A. T.**, BODEN, P., CLARKE, M., AND KAY, D. 2009. Assessing Yorkshire Water's impact on the Regional Economy. *Regional Review*, 19, 14-16.
- MCDONALD, A. T.**, FEWTRELL, L., KAY, D. & MCDONALD, A. 2009. Rainwater harvesting – an HIA of rainwater harvesting in the UK. In: FEWTRELL, L. & KAY, D. (eds.) *Health Impact Assessment for Sustainable Water Management*. London: IWA Publishing.
- MCDONALD, A. T.**, MITCHELL, G. & CLARKE, M. 2009. Applications of an urban diffuse pollution model to support WFD investment appraisal. In: GALLO, M. N. & FERRARI, M. H. (eds.) *River Pollution Research Progress*: Nova.
- STAPLETON, C. M., KAY, D., WYER, M. D., DAVIES, C., WATKINS, J., KAY, C., **MCDONALD, A. T.**, PORTER, J. & GAWLER, A. 2009. Evaluating the operational utility of a Bacteroidales quantitative PCR-based MST approach in determining the source of faecal indicator organisms at a UK bathing water. *WATER RES*, 43, 4888-4899.
- ARMSTRONG, A., HOLDEN, J., KAY, P., FRANCIS, B., FOULGER, M., GLEDHILL, S., **MCDONALD, A. T.** & WALKER, A. 2010. The impact of peatland drain-blocking on dissolved organic carbon loss and discolouration of water; results from a national survey. *J HYDROL*, 381, 112-120.
- CHAPMAN, P., **MCDONALD, A.**, TYSON, R., PALMER, S., MITCHELL, G., IRVINE, B. (2010). "Changes in water colour between 1986 and 2006 in the headwaters of the River Nidd, Yorkshire, UK." *BIOGEOCHEMISTRY*, 101(1): 281-294.
- KAY, C., WYER, M., STAPLETON, C., EDWARDS, A., DAVIES, C., FRANCIS, C., WATKINS, J., MATTHEWS, R., CLARKE, A., DAVIES, O., **MCDONALD, A.** AND KAY, D. 2010. Environmental benefits and impacts of farm ponds and wetlands: some preliminary findings from Scotland and Wales. In: CRIGHTON, K., AND AUDSLEY, R. (ed.) *Climate, Water and Soil: Science, Policy and Practice. Proceedings of the SAC and SEPA Biennial Conference, Edinburgh*. Edinburgh: SAC.
- MCDONALD, A. T.**, CLARKE, M., BODEN, P. AND KAY, D. 2010. Social Justice and Water. In: HESTER, R. E., AND HARRISON, R.M. (ed.) *Sustainable Water*. RSC Publishing.
- BROWN, L. E., MITCHELL, G., HOLDEN, J., FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., CHAPMAN, P., CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., JOHNSTON, K., KAY, P., **MCDONALD, A.**, PARROTT, A., POWELL, A., SLACK, R. J., SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & WOULD'S, C. 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.

Palmer, Sheila

- FARLEY, K. A., PINEIRO, G., **PALMER, S. M.**, JOBBAGY, E. G. & JACKSON, R. B. 2008. Stream acidification and base cation losses with grassland afforestation. *WATER RESOUR RES*, 44.
- JACKSON, R. B., COOK, C. W., PIPPEN, J. S. & **PALMER, S. M.** 2009. Increased belowground biomass and soil CO₂ fluxes after a decade of carbon dioxide enrichment in a warm-temperate forest. *ECOLOGY*, 90, 3352-3366.
- CHAPMAN, P., MCDONALD, A., TYSON, R., **PALMER, S.**, MITCHELL, G., IRVINE, B. (2010). "Changes in water colour between 1986 and 2006 in the headwaters of the River Nidd, Yorkshire, UK." *BIOGEOCHEMISTRY*, 101(1): 281-294.

Sitch, Stephen

- HUNTINGFORD, C., FISHER, R. A., MERCADO, L., BOOTH, B. B., **SITCH, S.**, HARRIS, P. P., COX, P. M., JONES, C. D., BETTS, R. A., MALHI, Y., HARRIS, G. R., COLLINS, M. & MOORCROFT, P. 2008. Towards quantifying uncertainty in predictions of Amazon 'dieback'. *Philos Trans R Soc Lond B Biol Sci*, 363, 1857-1864.

- SITCH, S.**, HUNTINGFORD, C., GEDNEY, N., LEVY, P. E., LOMAS, M., PIAO, S. L., BETTS, R., CIAIS, P., COX, P., FRIEDLINGSTEIN, P., JONES, C. D., PRENTICE, I. C. & WOODWARD, F. I. 2008. Evaluation of the terrestrial carbon cycle, future plant geography and climate-carbon cycle feedbacks using five Dynamic Global Vegetation Models (DGVMs). *GLOBAL CHANGE BIOL*, 14, 2015-2039.
- LE QUERE, C., RAUPACH, M. R., CANADELL, J. G., MARLAND, G., BOPP, L., CIAIS, P., CONWAY, T. J., DONEY, S. C., FEELY, R. A., FOSTER, P., FRIEDLINGSTEIN, P., GURNEY, K., HOUGHTON, R. A., HOUSE, J. I., HUNTINGFORD, C., LEVY, P. E., LOMAS, M. R., MAJKUT, J., METZL, N., OMETTO, J. P., PETERS, G. P., PRENTICE, I. C., RANDERSON, J. T., RUNNING, S. W., SARMIENTO, J. L., SCHUSTER, U., **SITCH, S.**, TAKAHASHI, T., VIOVY, N., VAN DER WERF, G. R. & WOODWARD, F. I. 2009. Trends in the sources and sinks of carbon dioxide. *NAT GEOSCI*, 2, 831-836.
- LEWIS, S. L., LLOYD, J., **SITCH, S.**, MITCHARD, E. T. A. & LAURANCE, W. F. 2009. Changing Ecology of Tropical Forests: Evidence and Drivers. *Annual Review of Ecology Evolution and Systematics*, 40, 529-549.
- MALHI, Y., ARAGÃO, L. E., GALBRAITH, D., HUNTINGFORD, C., FISHER, R., ZELAZOWSKI, P., **SITCH, S.**, MCSWEENEY, C. & MEIR, P. 2009. Special Feature: Exploring the likelihood and mechanism of a climate-change-induced dieback of the Amazon rainforest. *Proc Natl Acad Sci U S A*.
- MERCADO, L. M., BELLOUIN, N., **SITCH, S.**, BOUCHER, O., HUNTINGFORD, C., WILD, M. & COX, P. M. 2009. Impact of changes in diffuse radiation on the global land carbon sink. *NATURE*, 458, 1014-1017.
- MERCADO, L. M., LLOYD, J., DOLMAN, A. J., **SITCH, S.** & PATINO, S. 2009. Modelling basin-wide variations in Amazon forest productivity - Part 1: Model calibration, evaluation and upscaling functions for canopy photosynthesis. *BIOGEOSCIENCES*, 6, 1247-1272.
- O'ISHI, R., ABE-OUCHI, A., PRENTICE, I. C. & **SITCH, S.** 2009. Vegetation dynamics and plant CO₂ responses as positive feedbacks in a greenhouse world. *GEOPHYS RES LETT*, 36.
- PACIFICO, F., HARRISON, S. P., JONES, C. D. & **SITCH, S.** 2009. Isoprene emissions and climate. *ATMOS ENVIRON*, 43, 6121-6135.
- PIAO, S., FANG, J., CIAIS, P., PEYLIN, P., HUANG, Y., **SITCH, S.** & WANG, T. 2009. The carbon balance of terrestrial ecosystems in China. *NATURE*, 458, 1009-1013.
- ARNETH, A., **SITCH, S.**, BONDEAU, A., BUTTERBACH-BAHL, K., FOSTER, P., GEDNEY, N., DE NOBLET-DUCOUDRE, N., PRENTICE, I. C., SANDERSON, M., THONICKE, K., WANIA, R. & ZAEHLE, S. 2010. From biota to chemistry and climate: towards a comprehensive description of trace gas exchange between the biosphere and atmosphere. *BIOGEOSCIENCES*, 7, 121-149.
- CADULE, P., FRIEDLINGSTEIN, P., BOPP, L., **SITCH, S.**, JONES, C. D., CIAIS, P., PIAO, S. L. & PEYLIN, P. 2010. Benchmarking coupled climate-carbon models against long-term atmospheric CO₂ measurements. *Global Biogeochem. Cycles*, 24, GB2016.
- DOHERTY, R. M., **SITCH, S.**, SMITH, B., LEWIS, S. L. & THORNTON, P. K. 2010. Implications of future climate and atmospheric CO₂ content for regional biogeochemistry, biogeography and ecosystem services across East Africa. *Global Change Biology*, 16, 617-640.
- FISHER, J. B., **SITCH, S.**, MALHI, Y., FISHER, R. A., HUNTINGFORD, C. & TAN, S. Y. 2010. Carbon cost of plant nitrogen acquisition: A mechanistic, globally applicable model of plant nitrogen uptake, retranslocation, and fixation. *Global Biogeochem. Cycles*, 24, GB1014.
- FISHER, R., MCDOWELL, N., PURVES, D., MOORCROFT, P., **SITCH, S.**, COX, P., HUNTINGFORD, C., MEIR, P. & IAN WOODWARD, F. 2010. Assessing uncertainties in a second-generation dynamic vegetation model caused by ecological scale limitations. *New Phytologist*, 187, 666-681.
- GALBRAITH, D., LEVY, P. E., **SITCH, S.**, HUNTINGFORD, C., COX, P., WILLIAMS, M. & MEIR, P. 2010. Multiple mechanisms of Amazonian forest biomass losses in three dynamic global vegetation models under climate change. *New Phytologist*, 187, 647-665.
- POULTER, B., HATTERMANN, F., HAWKINS, E., ZAEHLE, S., **SITCH, S.**, RESTREPO-COUBE, N., HEYDER, U. & CRAMER, W. 2010. Robust dynamics of Amazon dieback to climate change with perturbed ecosystem model parameters. *Global Change Biology*.

- COLLINS, W. J., **SITCH, S.**, BOUCHER, O. 2010. How vegetation impacts affect climate metrics for ozone precursors. *J. Geophys. Res.*, 115, D23308.
- HUNTINGFORD, C., BOOTH, B. B. B., **SITCH, S.**, GEDNEY, N., LOWE, J. A., LIDDICOAT, S. K., MERCADO, L. M., BEST, M. J., WEEDON, G. P., FISHER, R. A., GOOD, P., ZELAZOWSKI, P., SPESSA, A. C. & JONES, C. D. 2010. IMOGEN: an intermediate complexity model to evaluate terrestrial impacts of a changing climate. *Geosci. Model Dev. Discuss.*, 3, 1161-1184.
- BLYTH, E., CLARK, D. B., ELLIS, R., HUNTINGFORD, C., LOS, S., PRYOR, M., BEST, M. & **SITCH, S.** 2010. A comprehensive set of benchmark tests for a land surface model of simultaneous fluxes of water and carbon at both the global and seasonal scale. *Geosci. Model Dev. Discuss.*, 3, 1829-1859.
- ZELAZOWSKI, P., MALHI, Y., HUNTINGFORD, C., **SITCH, S.** & FISHER, J. B. 2011. Changes in the potential distribution of humid tropical forests on a warmer planet. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 369, 137-160.

Slack, Rebecca

- HARRISON, P. T. C., **SLACK, R. J.**, & BAGGA, S., 2008. Indoor Air Pollution. In: KAY A. B., KAPLAN, A. P., BOUSQUET, J. & HOLT, P. G. (eds.) *Allergy and Allergic Diseases*. Oxford: Wiley-Blackwell.
- BEVAN, R. J., **SLACK, R. J.**, HOLMES, P. & LEVY, L. S. 2009. An Assessment of Potential Cancer Risk Following Occupational Exposure to Ethanol. *Journal of Toxicology and Environmental Health, Part B: Critical Reviews*, 12, 188 - 205.
- SLACK, R. J.**, GRONOW, J. R. & VOULVOULIS, N. 2009. The management of household hazardous waste in the United Kingdom. *Journal of Environmental Management*, 90, 36-42.
- RUSHTON, L., BAGGA, S., BEVAN, R., BROWN, T. P., CHERRIE, J. W., HOLMES, P., FORTUNATO, L., **SLACK, R.**, VAN TONGEREN, M., YOUNG, C. & HUTCHINGS, S. J. 2010. Occupation and cancer in Britain. *Br J Cancer*, 102, 1428-1437.
- BROWN, L. E., MITCHELL, G., HOLDEN, J., FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., CHAPMAN, P., CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., JOHNSTON, K., KAY, P., MCDONALD, A., PARROTT, A., POWELL, A., **SLACK, R. J.**, SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & WOULDSE, C. 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.

Smart, Richard

- HOLDEN, J., **SMART, R.**, CHAPMAN, P. J., BAIRD, A. J. & BILLET, M. 2009. The role of natural soil pipes in water and carbon transfer in and from peatlands. In: BAIRD, A. J., BELYEA L. R., COMAS X., REEVE A. S. & SLATER, L. D. (eds.) *Carbon Cycling in Northern Peatlands*. Washington DC: American Geophysical Union Monograph.
- ROBROEK, B. J. M., **SMART, R. P.** & HOLDEN, J. 2010. Sensitivity of blanket peat vegetation and hydrochemistry to local disturbances. *Science of The Total Environment*, 408, 5028-5034.

Venevsky, Sergey

- SCHUUR, E. A. G., BOCKHEIM, J., CANADELL, J. G., EUSKIRCHEN, E., FIELD, C. B., GORYACHKIN, S. V., HAGEMANN, S., KUHR, P., LAFLEUR, P. M., LEE, H., MAZHITOVA, G., NELSON, F. E., RINKE, A., ROMANOVSKY, V. E., SHIKLOMANOV, N., TARNOCAI, C., **VELEVSKY, S.**, VOGEL, J. G. & ZIMOV, S. A. 2008. Vulnerability of permafrost carbon to climate change: Implications for the global carbon cycle. *BIOSCIENCE*, 58, 701-714.

Woulds, Clare

- ANDERSSON, J. H., **WOULDS, C.**, SCHWARTZ, M., COWIE, G. L., LEVIN, L. A., SOETAERT, K. & MIDDELBURG, J. J. 2008. Short-term fate of phytodetritus in sediments across the Arabian Sea oxygen minimum zone. *BIOGEOSCIENCES*, 5, 43-53.
- BREUER, E. R., LAW, G. T. W., **WOULDS, C.**, COWIE, G. L., SHIMMIELD, G. B., PEPPE, O., SCHWARTZ, M. & MCKINLAY, S. 2009. Sedimentary oxygen consumption and microdistribution at sites across the Arabian Sea oxygen minimum zone (Pakistan margin). *DEEP-SEA RES PT II*, 56, 296-304.
- GOODAY, A. J., LEVIN, L. A., DA SILVA, A. A., BETT, B. J., COWIE, G. L., DISSARD, D., GAGE, J. D., HUGHES, D. J., JEFFREYS, R., LAMONT, P. A., LARKIN, K. E., MURTY, S. J., SCHUMACHER, S., WHITCRAFT, C. & **WOULDS, C.** 2009. Faunal responses to oxygen gradients on the Pakistan margin: A comparison of foraminiferans, macrofauna and megafauna. *DEEP-SEA RES PT II*, 56, 488-502.
- SCHWARTZ, M. C., **WOULDS, C.** & COWIE, G. L. 2009. Sedimentary denitrification rates across the Arabian Sea oxygen minimum zone. *DEEP-SEA RES PT II*, 56, 324-332.
- WOULDS, C.**, ANDERSSON, J. H., COWIE, G. L., MIDDELBURG, J. J. & LEVIN, L. A. 2009. The short-term fate of organic carbon in marine sediments: Comparing the Pakistan margin to other regions. *DEEP-SEA RES PT II*, 56, 393-402.
- WOULDS, C.** & COWIE, G. L. 2009. Sedimentary pigments on the Pakistan margin: Controlling factors and organic matter dynamics. *DEEP-SEA RES PT II*, 56, 347-357.
- WOULDS, C.**, SCHWARTZ, M. C., BRAND, T., COWIE, G. L., LAW, G. & MOWBRAY, S. R. 2009. Porewater nutrient concentrations and benthic nutrient fluxes across the Pakistan margin OMZ. *DEEP-SEA RES PT II*, 56, 333-346.
- BROWN, L. E., MITCHELL, G., HOLDEN, J., FOLKARD, A., WRIGHT, N., BEHARRY-BORG, N., BERRY, G., BRIERLEY, B., CHAPMAN, P., CLARKE, S. J., COTTON, L., DOBSON, M., DOLLAR, E., FLETCHER, M., FOSTER, J., HANLON, A., HILDON, S., HILEY, P., HILLIS, P., HOSEASON, J., JOHNSTON, K., KAY, P., MCDONALD, A., PARROTT, A., POWELL, A., **SLACK, R. J.**, SLEIGH, A., SPRAY, C., TAPLEY, K., UNDERHILL, R. & **WOULDS, C.** 2010. Priority water research questions as determined by UK practitioners and policy makers. *Science of The Total Environment*, 409, 256-266.