

ANNEX 5.3.1 Publications 2009-10

Joint Environment & Human Health Programme – Publications for 2009-2010

Reference No	Title	PI	Location	Publication Type	Author	Title	Journal	Issue No	Pages
NE/E009328/1	Strategies to manage toxic cyanobacterial blooms in lakes: remote sensing, modelling and cost benefit analysis	Andrew Tyler	University of Stirling	ISI	G. Hunter, P.D., Tyler A.N., Willby, N.J. and Gilvear D.J.	Using remote sensing to aid the assessment of human health risks from blooms of potentially-toxic cyanobacteria.	Environmental Science and Technology.	In press	Not known yet
NE/E009484/1	Multiple Links Towards Integrating Teams for Understanding of Disease and Environment - Multitude	Michael Ramsey	University of Sussex	ISI	Stewart, A.G. & Ramsey, M.H.	Multiple links toward integrating teams for understanding of disease and environment (MULTITUDE)	Environmental Geochemistry and Health	31, 2	161-163
NE/E009484/1	Multiple Links Towards Integrating Teams for Understanding of Disease and Environment - Multitude	Michael Ramsey	University of Sussex	ISI	Ramsey, M. H.	Uncertainty in the assessment of hazard, exposure and risk.	Environmental Geochemistry and Health	31,2	205-217
NE/E009484/1	Multiple Links Towards Integrating Teams for Understanding of Disease and Environment -	Michael Ramsey	University of Sussex	ISI	Briggs, D., Sabel, C. E., & Lee, K.	Uncertainty in epidemiology and health risk and impact assessment.	Environmental Geochemistry and Health	31,2	189-203

	Multitude								
NE/E009484/1	Multiple Links Towards Integrating Teams for Understanding of Disease and Environment - Multitude	Michael Ramsey	University of Sussex	ISI	Farmer, J. G, & Jarvis, R.	Strategies for improving human health in contaminated situations: A review of past, present and possible future approaches.	Environmental Geochemistry and Health	31,2	227-238
NE/E009484/1	Multiple Links Towards Integrating Teams for Understanding of Disease and Environment - Multitude	Michael Ramsey	University of Sussex	ISI	Huby, H., & Adams, R.	Interdisciplinarity and participatory approaches to environmental health. Reflections from a workshop on social, economic and behavioural factors in the genesis and health impact of environmental hazards.	Environmental Geochemistry and Health	31,2	219-226
NE/E009484/1	Multiple Links Towards Integrating Teams for Understanding of Disease and Environment -	Michael Ramsey	University of Sussex	ISI	Hursthouse, A., & Kowalczyk, G.	Transport and dynamics of toxic pollutants in the natural environment and their effect on human health:	Environmental Geochemistry and Health	31,2	165-187

	Multitude					research gaps and challenge.			
NE/E009484/1	Multiple Links Towards Integrating Teams for Understanding of Disease and Environment - Multitude	Michael Ramsey	University of Sussex	ISI	Stewart, A. G., & Carter, J.	Towards the development of a multidisciplinary understanding of the effects of toxic chemical mixtures on health.	Environmental Geochemistry and Health	31,2	239-251
NE/E00881X/1	Outdoor Airborne Pathogens and Human Health in the UK	ka Lai	University College London	ISI	Ka man Lai, Jean Emberlin, Ian Colbeck	Outdoor environments and human pathogens in air	Environmental Health	8(Suppl 1)	s15
NE/E007899/1	Workshop - Predicting Zoonotic Outbreaks: Building on the Plague Threshold Model	Michael Begon	University of Liverpool	ISI	Begon, M., Telfer, S., Burthe, S., Lambin, X., Smith, M.J. & Paterson, S.	Effects of abundance on infection in natural populations: field voles and cowpox virus.	Epidemics	1	35-46
NE/E007899/1	Workshop - Predicting Zoonotic Outbreaks: Building on the Plague Threshold	Michael Begon	University of Liverpool	ISI	Kallio, E.R., Begon, M., Henttonen, H., Koskela, E., Mappes, T., Vaheri, A. & Vapalahti, O.	Cyclic hantavirus epidemics in humans – predicted by rodent host dynamics.	Epidemics	1	101-107

	Model								
NE/E008038/1	Ljungan Virus - an undetected but dangerous zoonotic agent	Michael Begon	University of Liverpool	ISI	Richard JQ McNally , Raymond Pollock, Simon Court, Mike Begon and Tim D Cheetham	Space-time clustering analyses of type 1 diabetes in children from north-east England: support for an infectious aetiology?	Environmental Health	8	S14
NE/E009042/1	Seasonal environmental hazards: a multi-disciplinary approach to the analysis of health risks in lower-income countries	Roger Few	University of East Anglia	ISI	Few, R., Lake, I., Hunter, P.R., Pham Gia Tran and Vu Trong Thien	Seasonal hazards and health risks in lower-income countries:	Environmental Health	8	S16
NE/E009565/1	Identification and Verification of Ultrafine Particle Affinity Zones in Urban Neighbourhoods / A Proof of Concept Proposal	Martin Gallagher	The University of Manchester	ISI	Paul Harris, Sarah Lindley, Martin Gallagher and Raymond Agius	Identification and verification of ultrafine particle affinity zones in urban neighbourhoods: sample design and data pre-processing	Environmental Health 2009, 8(Suppl 1):S5 doi:10.1186/1476-069X-8-S1-S5	S5	01-Jun

NE/E008054/1	The application of clinical microbiological methods to the study of MRSA in the environment (discipline hop)	Peter Hawkey	University of Birmingham	ISI	Bailey-Byrne K, Gaze W, Hawkey P, Wellington EMH	Sulphonamide resistance in bacteria isolated from agricultural soil amended with pig slurry.	Antimicrobial Agents and Chemotherapy	53	696-702
NE/E008534/1	Endotoxin emissions from commercial composting activities	Sean Tyrrel	Cranfield University	ISI	Deacon, L.J., Pankhurst, L.J., Liu, J., Drew, G.H., Hayes, E.T., Jackson, S.K., Longhurst, J.W.S., Longhurst, P. J., Pollard, S.J.T, and Tyrrel, S.F.	Particle size distribution of airborne Aspergillus fumigatus spores emitted from compost using membrane-filtration	Atmospheric Environment	43	5698-5701
NE/E008534/1	Endotoxin emissions from commercial composting activities	Sean Tyrrel	Cranfield University	ISI	Deacon, L.J., Pankhurst, L.J., Liu, J., Drew, G.H., Hayes, E.T., Jackson, S.K., Longhurst, J.W.S., Longhurst, P. J., Pollard, S.J.T, and Tyrrel, S.F.	Endotoxin emissions from commercial composting activities	Environmental Health	8	S9

NE/E008534/1	Endotoxin emissions from commercial composting activities	Sean Tyrrel	Cranfield University	Non-Refereed	L.J. Pankhurst, L.J. Deacon, J. Liu, G.H. Drew, E.T. Hayes, S. Jackson, P.J. Longhurst, J.W.S. Longhurst, S.J.T. Pollard and S.F. Tyrrel	Microbial and endotoxin emission from composting facilities: characterisation of release and dispersal patterns.	In: C.A Brebbia and V. Popov (eds.) 17th Intl. Conf. on Modelling, Monitoring and Management of Air Pollution. pp 163- 172, Tallinn, Estonia 20-22 July 2009. WIT Press, UK, ISBN 978-1-84564-195-5.	ISBN 978-1-84564-195	pp 163- 172
NE/E008844/1	Born in Bradford: environmental exposure and birth weight	Mireille Toledano	Imperial College London	ISI	Smith R.B., Toledano M.B., Wright J., Raynor P., & Nieuwenhuijsen M.J.	Tap water use amongst pregnant women in a multi-ethnic cohort	Environmental Health	8(Suppl 1)	S7
NE/E00895X/1	Modelling and measurement of Cd exposure and pathology in human volunteers living in proximity to a smelter source	David Spurgeon	NERC Centre for Ecology and Hydrology	ISI	James K Ellis, Laura D K Thomas, Friederike Teichert, Toby J Athersuch, Claus Svendsen, David J. Spurgeon, Rajinder Singh, Lars Järup, Jacob G Bundy and Hector C Keun	Metabolic Profiling Detects Systemic Effects of Environmental and Lifestyle Exposure to Cadmium in a Human Population	PNAS	in review	tbc

NE/E009352/1	Grow your own - health risks and benefits of producing and consuming your own food in urban areas	Jonathan Leake	University of Sheffield	ISI	Leake J.R., Adam-Bradford, A., Rigby J.E.	Health benefits of 'grow your own' food in urban areas: implications for contaminated land risk assessment and risk management?	Environmental Health	8 (supp 1)	doi:10.1186/1476-069X-8-S1-S6
NE/E008933/1	Plant virus infection as a determinant of pollen allergenicity	Hui Wang	NERC Centre for Ecology and Hydrology	ISI	Denise W. Pallett, Emily Soh, Mary-Lou Edwards, Kathleen Bodey, Laurie C.K. Lau, J. Ian Cooper, Peter H. Howarth, Andrew F. Walls*, Hui Wang*	Proof of concept pilot study: prevalence of grass virus infection and the potential for effects on the allergenic potency of pollen.	Environmental Health	8 (Suppl I)	S10
NE/E00833X/1	An exploratory study investigating the physiochemical characteristics of ambient air particles responsible for the dysregulation of pulmonary	Ian Matthews	Cardiff University	ISI	Price H, Arthur R, Sexton K, Gregory C, Hoogendoorn B, Matthews I, Jones T, BéruBé K	Airborne particles in Swansea, UK: their collection and characterization.	J Toxicol Environ Health A	73(5)	355-367

	genes								
NE/E009166/1	Hazards of nanoparticles to the environment and human health	Eugenia Valsami-Jones	The Natural History Museum	ISI	Berhanu, D., Dybowska, A., Misra, S., Stanley, C., Ruenraroengsak, P., Boccaccini, A., Tetley, T., Luoma, S., Plant, J., and Valsami-Jones, E.	Characterisation of carbon nanotubes in the context of toxicity studies	ENVIRONMENTAL HEALTH	8	S3
NE/E009336/1	Exploring the link between surface structures and toxicity in mineral particles: Case study of induced and intrinsic toxicity in quartz	William Stephens	University of St Andrews	ISI	Stephen M Francis, W Edryd Stephen and Neville V Richardson	X-ray photoelectron and infrared spectroscopies of quartz samples of contrasting toxicity	Environmental Health	8	S1-4
NE/E00878X/1	Relating harmful phytoplankton to shellfish toxicity and human health	Keith Davidson	Scottish Association For Marine Science	ISI	Davidson K , Bresnan E.	Shellfish toxicity in UK waters: a threat to human health?.	Environmental Health.	8	S1-S12
NE/E00878X/1	Relating harmful phytoplankton to shellfish	Keith Davidson	Scottish Association For Marine	ISI	Davidson K , Miller P, Wilding TA , Shutler J,	A large and prolonged bloom of Karenia	Harmful Algae	8	349-361

	toxicity and human health		Science		Bresnan E, Kennington K, Swan SC	mikimotoi in Scottish waters.			
NE/E008313/1	Micronutrient deficiency in maternity and child health: scope for agricultural and educational intervention in soil-food-human transfer	John Michael Atkinson	University of the West of Scotland	ISI	Dickinson, N, Gulliver, J., MacPherson, G., Atkinson, J., Rankin, J., Cummigs, M., Nisbet, Z., Hursthouse, A. Taylor, a., Robertson, c., Burghardt, W.	A framework to explore micronutrient deficiency in maternal and child health in Malawi, Southern africa	Environmental Health	8 (suppl 1) S13	01-Oct
NE/E008313/1	Micronutrient deficiency in maternity and child health: scope for agricultural and educational intervention in soil-food-human transfer	John Michael Atkinson	University of the West of Scotland	ISI	Dickinson, N., MacPherson, G., Hursthouse, A. & Atkinson, J.	Micronutrient deficiencies in maternity & Child health - a review of environmental and social context and implications for Malawi	Environmental Geochemistry & Health	31	253-272
NE/E008968/1	Impacts of climate change on the risks of biological and chemical environmental contaminants from agriculture to human health	Sari Kovats	Food & Environment Research Agency - FERA	ISI	Boxall A, Hardy A, Beulke S, Boucard T, Burgin L, Falloon PD, Haygarth PM, Hutchinson T, Kovats RS, Leonardi G, et al.	Impacts of Climate Change on Indirect Human Exposure to Pathogens and Chemicals from Agriculture.	Environmental Health Perspectives	117:00:00	508–514.

NE/E009085/1	A study of helminths as novel vectors and reservoirs of human pathogens in the environment, using in-vivo real-time imaging systems	Vyvyan Salisbury	University of the West of England	ISI	Lacharme-Lora L, Perkins SE, Humphrey TJ, Hudson PJ and Salisbury V	Use of bioluminescent bacterial biosensors to investigate the role of free-living helminths as reservoirs and vectors of Salmonella.	Environmental Microbiology Reports	1 (3)	198-207
NE/E009085/1	A study of helminths as novel vectors and reservoirs of human pathogens in the environment, using in-vivo real-time imaging systems	Vyvyan Salisbury	University of the West of England	ISI	Lacharme-Lora L, Salisbury V , Humphrey TJ, Stafford K and. Perkins SE	Bacteria isolated from parasitic nematodes - a potential novel vector of pathogens?	Environmental Health	8 Suppl. 1,	S17.
NE/E008720/2	Exploratory award: Multiple environmental classification of areas for researching spatial health inequalities	Richard Mitchell	University of Glasgow	ISI	Richardson E, Mitchell R, Shortt N, Pearce J, Dawson T	Evidence-based selection of environmental factors and datasets for measuring multiple environmental deprivation in epidemiological research	Environmental Health	8(Suppl 1)	S18

NE/E009085/1	A study of helminths as novel vectors and reservoirs of human pathogens in the environment, using in-vivo real-time imaging systems	Vyvan Salisbury	University of the West of England	Other Refereed	Lacharme-Lora L, Perkins SE, Humphrey TJ, and Salisbury V	Helminths as reservoirs/vectors of food-borne pathogenic bacteria in the environment	Abstracts of the 109th General Meeting of the American Society for Microbiology	May-09	477-478
NE/E008593/1	Impacts of Future Environmental Change on Climate- and Air Pollution-Mediated Human Health	Ruth Doherty	University of Edinburgh	ISI	Vieno, M., Dore, A. J., Stevenson, D. S., Doherty, R., Heal, M. R., Reis, S., Hallsworth, S., Tarrason, L., Wind, P., Fowler, D., Simpson, D. and Sutton, M. A	Modelling surface ozone during the 2003 heat wave in the UK	Atmos. Chem. Phys. Discuss.	9	19509-19544
NE/E008593/1	Impacts of Future Environmental Change on Climate- and Air Pollution-Mediated Human Health	Ruth Doherty	University of Edinburgh	ISI	Fiore, A.M. et al. (including R.M.Doherty and D.S. Stevenson)	Multi-model Estimates of Intercontinental Source-Receptor Relationships for Ozone Pollution	J. Geophys. Res	114	D04301

NE/E008593/1	Impacts of Future Environmental Change on Climate- and Air Pollution-Mediated Human Health	Ruth Doherty	University of Edinburgh	ISI	Doherty, R.M., Heal, M. R., Wilkinson, P., Pattenden, S., Vieno, M., Armstrong, B., Atkinson, R., Chalabi, Z., Kovats, S., Milojevic, A. and Stevenson, D. S.	Current and future climate- and air pollution mediated impacts on human health	Environmental Health	8 (suppl.1)	s8
NE/E008593/1	Impacts of Future Environmental Change on Climate- and Air Pollution-Mediated Human Health	Ruth Doherty	University of Edinburgh	Non-Refereed	Doherty, R.M., Heal, M. R., Wilkinson, P., Pattenden, S.,	Does ozone kill more people on hot days?	Natural Environment Research Council Annual Report and Accounts 2008-09	2008-2009	16
NE/E008232/1	Assessing human exposure, uptake and toxicity of nanoparticles from contaminated environments	Vicki Stone	Edinburgh Napier University	ISI	Scown, T.M., van-Aerle, R., Johnston, B.D., J.R. Lead and Tyler, C.R	High doses of intravenously administered titanium dioxide nanoparticles accumulate in the kidneys of rainbow trout but with no observable impairment of renal function	Toxicological Sciences	109	372-8

NE/E008232/1	Assessing human exposure, uptake and toxicity of nanoparticles from contaminated environments	Vicki Stone	Edinburgh Napier University	ISI	Gaiser, B., Fernandes, T., Jepson, M., Lead, J.R., Tyler, C.R., Stone, V.	Assessing exposure, uptake and toxicity of silver and cerium dioxide nanoparticles from contaminated environments	Environmental Health	8(1)	S2
NE/E008232/1	Assessing human exposure, uptake and toxicity of nanoparticles from contaminated environments	Vicki Stone	Edinburgh Napier University	ISI	Scown,T.M., Santos, E., Johnston, B.D.,Gaiser,B., Baalousha, M., Mitov, S., Lead, J.R., Stone, V., Fernandes, T.F., Jepson, M., van-Aerle, R., and Tyler, C.R.	Effects of Aqueous Exposure to Silver Nanoparticles of Different Sizes in Rainbow Trout	Toxicological Sciences	Accepted	In Press
NE/E008232/1	Assessing human exposure, uptake and toxicity of nanoparticles from contaminated environments	Vicki Stone	Edinburgh Napier University	ISI	Johnston, B.D., Scown,T.M., Moger, J., Cumberland, S., Baalousha,M., Linge, K., vanAerle, R., Jarvis, K., Lead, J.R. and Tyler, C.R.	Bioavailability of nanoscale metal oxides, TiO ₂ , CeO ₂ , and ZnO to fish.	Env. Sci & Technology	Accepted	In Press

NE/E008232/1	Assessing human exposure, uptake and toxicity of nanoparticles from contaminated environments	Vicki Stone	Edinburgh Napier University	ISI	Scown, T.M., Goodhead, R., Johnston, B.D., Moger, J., J.R. Lead, vanAerle, R., Iguchi, T., Tyler, C.R.	An assessment of cultured fish hepatocytes for screening cellular uptake and (eco)toxicity of nanoparticles	Env Chemistry	7	36-49
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