

List of EPA-funded Research Fellowships – January 2008

Area	Project Type	Proposal No	Organisation Name
Biodiversity	2007-FS-B-8-S5	<i>Anthropogenic impacts on marine biodiversity</i>	University College Dublin
Biodiversity	2007-FS-B-14-S5	<i>Biodiversity of aquatic Coleoptera in the Irish farmed landscape. The significance of ponds.</i>	University College Dublin
Biodiversity	2003-FS-CD-LS-14	<i>Monitoring, functional significance and management tools for the maintenance and economic utilisation of bio-diversity in the farmed landscape(Ag-Biota)</i>	University College Dublin
Biodiversity	2007-FS-B-4-S5	<i>Nutrient and Ecosystem Dynamics in Ireland's only marine nature reserve (NEIDIN)</i>	University College Cork
Biodiversity	2005-FS-36-M1	<i>Site quality vs. landscape matrix: the importance of internal and external factors driving biodiversity</i>	Trinity College Dublin
Centre of Excellence	2004-AE-FS-20	<i>Air Emissions Analyses</i>	National University of Ireland, Galway

Area	Project Type	Proposal No	Organisation Name
Centre of Excellence	2003-TXB-FS9-M4	<i>Air quality and acidification linked to transboundary pollution - Analytical Chemistry</i>	Dublin City University
Centre of Excellence	2002-CC-FS4-M4	<i>Climate Change - IT/Systems Developer Fellowship</i>	NUI, Maynooth
Centre of Excellence	2002-CC-FS3-M4	<i>Climate Change Data Management</i>	Athlone Institute of Technology
Centre of Excellence	2003-COE-FS8-M4	<i>Data integration & statistical analysis to support & advance the implementation of EU & Irish Water & Waste Policy and related ongoing research work</i>	Trinity College Dublin
Centre of Excellence	2006-FS-WQ-41-M4	<i>Decision Support Systems for the Ecological Assessment of Rivers</i>	University College Dublin
Centre of Excellence	2005-EE-FS-26	<i>Enviro-Economic Analyses and Modelling</i>	University College Dublin
Centre of Excellence	2002-CoE-FS6a-M4	<i>FS-4 GIS/Data Management</i>	University College Cork

Area	Project Type	Proposal No	Organisation Name
Centre of Excellence	2002-CoE-FS6b-M4	<i>FS-6b GIS/Data Management</i>	Trinity College Dublin
Centre of Excellence	2006-FS-GO37-M4	<i>GEO Fellowship</i>	Athlone Institute of Technology
Centre of Excellence	2005-FS-GC-27	<i>Global Climate Change Observing System (GCOS), hydrological, terrestrial and related activities.</i>	University College Cork
Centre of Excellence	2003-COE-FS10-M4	<i>Improved Water Quality Data Analysis and Interpretation</i>	Trinity College Dublin
Centre of Excellence	2003-CC-EIS-FS-7	<i>Integrated Environmental Information System Development</i>	University College Dublin
Centre of Excellence	2005-GIS-FS-25	<i>Integrated GIS and Neuro-fuzzy analysis for use in River Basin District management</i>	University College Dublin
Centre of Excellence	2006-FS-AQ-39-M4	<i>Integrated systems for analysis of air pollution and acidification issues</i>	Trinity College Dublin

Area	Project Type	Proposal No	Organisation Name
Centre of Excellence	2006-FS-NE-38-M4	<i>Modelling national emissions to air and water</i>	Trinity College Dublin
Centre of Excellence	2004-SEA-FS-19	<i>The development of environmental indicators and other methods for the provision of information as required under the EU Strategic Environmental Assessment Directive</i>	Trinity College Dublin
Centre of Excellence	2004-CCTXB-FS-18	<i>Transboundary Air Pollution Fellowship</i>	National University of Ireland, Galway
Centre of Excellence	2006-EH-FS-40-M4	<i>Understanding the links between the environment and human health and well-being</i>	University of Limerick
Climate Change	2003-FS-CD-LS-15	<i>Accounting for greenhouse gas sources and sinks in major Irish land-use categories: contributing to a coordinating centre for FLUX measurements(CCFLUX).</i>	Botany Department, Trinity College
Climate Change	2003-FS-CD-LS-17	<i>CELTICFLUX - Measurement and Modelling of GHG's from Grasslands and Peatland</i>	University College Cork
Climate Change	2003-FS-CD-LS-13	<i>Climate Change: Refining the Impacts</i>	NUI, Maynooth

Area	Project Type	Proposal No	Organisation Name
Climate Change	2005-FS-33-M1	<i>Coping with uncertainties in climate modelling for Ireland</i>	NUI Maynooth
Climate Change	2005-FS-29-M1	<i>Elucidating the Impact of Aerosols on Cloud Physics and the North Atlantic Regional Climate (EIRE-Climate)</i>	NUI Galway
Climate Change	2005-FS-32-M1	<i>Evaluation of models for simulation of grassland carbon cycling at plot, field and regional scale</i>	University College Cork
Climate Change	2003-FS-CD-LS-16	<i>Modelling Carbon Fluxes from Irish peatlands based on extending PORTACH and PEATSAT including the development of a National Carbon Fluxes inventory for Irish peatlands.</i>	Agricultural and Food Engineering, UCD
Climate Change	2003-FS-CD-LS-12	<i>Study of the composition, sources and radiative properties of aerosols at a west coast location.</i>	NUI, Galway
Environment & Health	2007-FS-EH-7-S5	<i>Establishment and validation of human blood-brain barrier model for screening and risk assessment of nanoparticle access to the brain</i>	University College Dublin
Environment & Health	2007-FS-EH-3-S5	<i>Health effects associated with the atmospheric degradation of polycyclic aromatic hydrocarbon</i>	University College Cork

Area	Project Type	Proposal No	Organisation Name
Environment & Health	2007-FS-EH-1-S5	<i>Nanotechnology: engaging the public health, environmental and social issues</i>	Dublin City University
Environmental Technologies	200-FS-ET-13-S5	<i>Emerging of new nano-technologies for separation of ethanol and water for bio-ethanol production</i>	University College Cork
Environmental Technologies	2007-FS-ET-2	<i>Minimisation of hazardous waste generated by CIP operations in the dairy processing industry</i>	University of Limerick
Environmental Technologies	2007-FS-ET-9-S5	<i>Recombinant DNA approaches to enhance activity of the pathway for degradation of the toxic pollutant styrene in the bioreactor isolate P.putida CA-3: a biotechnologically significant metabolic route</i>	University College Cork
Environmental Technologies	2007-FS-ET-6-S5	<i>Zero Carbon Emission Microfuel Cell Design</i>	University College Cork
GIS	2005-FS-34-M1	<i>A Resource Flow Analysis and Ecological Footprint of Ireland - GIS Application</i>	Queens University Belfast
Landuses, Soils & Transport	2005-FS-28-M1	<i>Development of the nematode Steinernema feltiae as a bioindicator for soil pollution</i>	IT Carlow

Area	Project Type	Proposal No	Organisation Name
Socio-Economic	2004-SD-FS-23	<i>GaLwAy 21 – Implementing the principles and practices of sustainable development in Galway City Council</i>	NUI Galway
Socio-Economic	2004-SD-FS-22	<i>Landscape Heritage Sustainable Development Indicator Assessment using Geographical Information Systems in conjunction with Clare County Council</i>	University College Dublin
Socio-Economic	2004-SD-FS-21	<i>Scenarios of household waste streams: composition and management in Cork to 2010.</i>	University College Cork
Soils	2007-FS-S-10-S5	<i>Soil carbon in bioenergy crops: a source or a sink?</i>	University College Cork
Waste & Resource Mgt	2003-FS-CD-LS-11	<i>A biological system for production of value-added products, bio-ethanol and methane from non-animal food wastes with emphasis on hygiene aspects.</i>	Dept. of Microbiology, NUI, Galway
Waste & Resource Mgt	2005-FS-30-M1	<i>Pharmaceutical residues within sewage sludges</i>	Dublin City University
Waste, Resource Management & Chemicals	2007-FS-WRM-5-S5	<i>Development of specific bacterial detoxification enzymes as bioindicators and biosensors of environmental pollution</i>	Institute of Technology Carlow

Area	Project Type	Proposal No	Organisation Name
Waste, Resource Management & Chemicals	2007-FS-WRM-12-S5	<i>Spent Mushroom Compost (SMC) Management and Options for Use</i>	Dundalk Institute of Technology
Water Quality	2005-FS-31-M1	<i>Application of molecular techniques to determine the origin of faecal contamination of Group Water Scheme waters.</i>	NUI Galway
Water Quality	2005-FS-35-M1	<i>Macroalgal biomonitoring - applying phenolic compounds as biomarkers for metal uptake characteristics in Irish coast</i>	NUI Galway
Water Quality	2000-FS-1a	<i>Monitoring Methodologies for the Ecological Assessment of Lakes</i>	Trinity College Dublin
Water Quality	2000-FS-1b	<i>Monitoring Methodologies for the Ecological Assessment of Lakes</i>	Trinity College Dublin
Water Quality	2000-FS-1c	<i>Monitoring Methodologies for the Ecological Assessment of Lakes</i>	University College Dublin
Water Quality	2000-FS-1d	<i>Monitoring Methodologies for the Ecological Assessment of Lakes</i>	National University of Ireland, Galway

Area	Project Type	Proposal No	Organisation Name
Water Quality	2002-W-FS-5(1/1)	<i>Pilot River Basin</i>	Trinity College Dublin
Water Quality	2000-FS-2-(3/5)	<i>Reference Conditions and Eutrophication Impacts in Irish Rivers: Meeting the Requirements of the Proposed EU Water Framework Directive</i>	University College Dublin
Water Quality	2005-WFD-FS-5-M1	<i>Water Framework Directive Applied Testing and Evaluation Fellowship</i>	Trinity College Dublin