

Full listing of EPA sponsored Doctoral Projects

Last updated: 01/03/2010

Theme	Project Code	Project Title	Organisation Name	Supervisor	Student Name
Air Quality					
Air Quality	2001-PHD-(6/44)	Reaction of nitrate radicals with Dimethylphenols under atmospheric conditions	University College Cork	Dr John Wenger	Perla Bardini
Air Quality	2001-PHD-(14/44)	Evaluation of options for reducing Irish diesel particulate emissions- utilising measurement and modelling methods	University College Dublin	Dr David Timoney	Shane O'Sullivan
Air Quality	2001-PHD-(29/44)	Simulation and modelling of exhaust emissions	NUI Galway	Dr John Simmie	Judith Wurmel
Air Quality	2001-PHD-(38/44)	Determination of natural non-methane hydrocarbon fluxes in Ireland	NUI Galway	Prof Gerard Jennings	Clare Noone
Air Quality	phd2_1	Validation of air pollution dispersion modelling for the road transport sector under irish conditions	Trinity College Dublin	Dr Brian Broderick	Una Budd
Air Quality	phd2_41	Satellite Remote Sensing of Aerosols in the eastern North Atlantic region	NUI Galway	Prof Gerard Jennings	Jane Mulcahy
Air Quality	phd2_42	Modelling the role of clouds in forming PM2.5 aerosol	NUI Galway	Prof Colin O'Dowd	Robert Flanagan
Air Quality	PHDe-2/5	Life cycle analysis of emissions management for Irish livestock production systems	University College Dublin	Dr Nick Holden	John Casey
Air Quality	2004-PHD4-1	Linking Urban field measurements of particulate matter to their chemical analysis and effects on health	University College Cork	Prof John Sodeau	David Healy
Air Quality	2004-PHD4-9	Data Assimilation - Enabling an Irish component of GMES Atmosphere	NUI Galway	Prof Colin O'Dowd	Claire Scannell
Air Quality	2006-PhD-AQ-1	Evaluation of background concentrations of air pollutants in Ireland, their health significance, and development of guidelines for local assessment	Trinity College Dublin	Dr Bruce Misstear	Aoife Donnelly
Air Quality	2006-PhD-AQ-2	Quantifying Seasonality in CO ₂ fluxes over the North East Atlantic	NUI Galway	Dr Colin O'Dowd	Jevon Keane-Brennen
Air Quality	2006-PhD-AQ-3	The effect of NO _x traps on the combustion and size distribution of carbonaceous particulate matter emitted from diesel engines	University College Dublin	Dr James Sullivan	Petrica Dulgheru

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Air Quality	2006-PhD-AQ-4	Total Carbon Balance of a Blanket Peat Catchment	University College Cork	Prof Gerard Kiely	Anne-Kristin Kohler
Air Quality	2008-PhD-AQ-1	The Effect of Naphthalene Emissions on Air Quality	University College Cork	Dr John Wenger	Yang Chen
Air Quality	2008-PhD-AQ-2	Investigations of potential synergies between natural and anthropogenic airborne pollution	University College Cork	Prof John Sodeau	David O'Connor
Air Quality	2008-PhD-AQ-3	An Optical Fibre Sensor System for the Detection of Atmospheric Gaseous Pollutants in an Urban Environment	Dublin Institute Of Technology	Dr James Walsh	Brian Devine
Biodiversity					
Biodiversity	2001-PHD-(9/44)	Littoral and benthic macroinvertebrate assemblages of Lough Mask	NUI Galway	Dr Kieran McCarthy	Darius Novak
Biodiversity	2001-PHD-(19/44)	Applications of genetic structure control of Sciurus carolinesis populations in Ireland	Trinity College Dublin	Dr John Rochford	Michael McGoldrick
Biodiversity	2001-PHD-(42/44)	The microbial ecology of methane production in peat bogs	NUI Galway	Dr Vincent O'Flaherty	Olivia Rice
Biodiversity	PhD2_16	Interrelationships between soil nitrogen, soil microbial communities and grassland stability in upland ecosystems	University College Dublin	Dr Nicholas Clipson	Deirdre Rooney
Biodiversity	PHDe-4/5	The ecological significance of water availability for Burren Plant communities	University College Dublin	Prof Bruce Osborne	Sarah Ryan
Biodiversity	2003-PHD3-5	Impact of invasive plant species on biodiversity: the significance of the soil seed bank	University College Dublin	Prof Bruce Osborne	Margherita Gioria
Biodiversity	2003-PHD3-6	Identifying the environmental requirements of Sciomyzidae (diptera) on turloughs in the West of Ireland	NUI Galway	Dr Mike Gormally	Christopher Williams
Biodiversity	2003-PhD3-7	Biological diversity and cultural diversity: explaining conflict around Ireland's contribution towards Natura 2000	Trinity College Dublin	Dr Hilary Tovey	Sharon Bryan
Biodiversity	2005-PHD5-B-1	Monitoring mammals by Real-time PCR DNA analysis of hair	Waterford IT	Dr Catherine O' Reilly	Siobhan Moran

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Biodiversity	2005-PHD5-B-16	Role of induced host plant resistance in environmentally protective management of crop pests and disease	University College Cork	Dr Peter Jones	Emma Hurley
Biodiversity	2005-PHD5-B-17	What are the impacts of alien plants on native pollinators?	Trinity College Dublin	Dr Jane Stout	Caroline Nienhuis
Biodiversity	2005-PHD5-B-18	Characterisation of Arctic char spawning grounds in Irish lakes and the vulnerability of ova to environment change	University College Cork	Dr John Davenport	Jonathan Low
Biodiversity	2005-PHD5-B-21	Developing knowledge of the taxonomy of parasitoid wasps (Hymenoptera: Parasitica) and their community structure as bio-indicators in agro-ecosystems	University College Dublin	Dr Gordon Purvis	Stephen McCormack
Biodiversity	2005-PHD5-B-28	Global change impact on grassland biodiversity function	University College Dublin	Dr John Connolly	Caroline Brophy
Biodiversity	2005-PHD5-B-29	Quantifying links between turlough vegetation community diversity and hydrology	Trinity College Dublin	Dr Steve Waldren	Nova Sharkey
Biodiversity	2007-PhD-B-1	The genetic relationships, phylogeny and conspecificity of Irish <i>E. aquaticum</i> populations with those from Scotland and North America.	Trinity College Dublin	Prof J Parnell	Maximillian von Sternburg
Biodiversity	2007-PhD-B-2	Palaeolimnological assessment of recent disturbance / regime shifts in sediment cores from ecotonal brackish lake systems	University Of Limerick (Mary Immaculate College)	Dr Catherine Dalton	Filippo Cassina
Biodiversity	2007-PhD-B-3	Population genetic structure, mixed stock analysis, and fisheries conservation management of the brown trout complex of Lough Derg.	Queen's University Belfast	Dr Paulo A. Prodöhl	John James Magee
Biodiversity	2007-PhD-B-4	Biodiversity and ecological requirements of meiofauna and a typology for Irish transitional waters.	Trinity College Dublin	Prof James Wilson	Erna King
Biodiversity	2007-PhD-B-5	Juvenile fish habitat requirements in changing coastal ecosystems	Galway Mayo Institute Of Technology	Dr Deirdre Brophy	Fien De Raedemaecker
Biodiversity	2007-PhD-B-6	Ecological impact of proposed first widespread use of biological control in Ireland: Multispecies interactions in a below-ground forest ecosystem	NUI Maynooth	Dr Christine Griffin	Christopher Harvey

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Biodiversity	2010-PhD-B-16	Natural resource exploitation and global change – the need for improved sustainable management to protect biodiversity	NUI Galway	Dr. Dagmar Stengel	Christine Eschmann
Climate Change					
Climate Change	2001-PHD-(1/44)	Assessing the applicability of an emissions trading regime in a small open economy	University College Dublin	Prof Frank Convery	Luke Redmond
Climate Change	phd2_14	Long-term environmental change in lower Lough Corrib and its catchment: a multidisciplinary palaeoecological study	NUI Galway	Prof Michael O'Connell	Ann Bingham
Climate Change	PhD2_46	Greenhouse gas fluxes in blanket peatland	University College Cork	Prof Gerard Kiely	Anna Laine
Climate Change	PhD2_47	Modelling of N ₂ fluxes from grasslands and CH ₄ fluxes from a blanket peatland	University College Cork	Prof Gerard Kiely	Matteo Sottocornola
Climate Change	PhD2_51	Climate Change and health in Ireland: A National Vulnerability Assessment	NUI Maynooth	Dr John Sweeney	Elizabeth Cullen
Climate Change	2008-PhD-CC-1	The 'Cleaner, Greener, Leaner' Study: Combating climate change through planning for sustainable transport.	Dublin City University	Dr Catherine Woods	Lorraine Fitzsimon
Climate Change	2008-PhD-CC-2	Can Geoinformatics be Used to Predict the Coastal Response to 21 st Century Climate change?	University College Cork	Dr Fiona Cawkwell	Oliver Shine
Climate Change	2008-PhD-CC-3	The impact of climate and land use change on soil respiratory fluxes	University College Dublin	Prof Bruce Osborne	Erica Cacciotti
Environment & Health					
Environment & Health	2005-PHD5-EH-3	Towards developing a microbial risk assessment/forecast model for Cryptosporidiosis	University College Dublin	Dr Nick Holden	Stephen Anthony McDonald
Environment & Health	2005-PHD5-EH-5	An investigation of the health risks associated with private rural well schemes in Ireland	Trinity College Dublin	Dr Bruce Misstear	Paul Hynds
Environment & Health	2007-PhD-EH-1	Role of engineered nanoparticles in protein fibrillation diseases	University College Dublin	Prof Kenneth Dawson	Fiona Quinlan Pluck
Environment & Health	2007-PhD-EH-2	Antimicrobial resistant enterococci (ARE) in Irish waters: Sources, transfers and impacts	University Of Ulster	Dr James Dooley	Victoria Daniels

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Environment & Health	2007-PhD-EH-3	Efficiency of Sligo Secondary Sewage Treatment Systems in the Removal of Cryptosporidium and other Human Enteric Pathogens	IT Sligo	Dr Frances Lucy	Angel Chan
Environment & Health	2007-PhD-EH-4	An investigation of the disease-causing potential of environmental isolates of Aspergillus fumigatus	NUI Maynooth	Dr Kevin Kavanagh	John Fallon
Environment & Health	2007-PhD-EH-5	SADOSE - Safe disposal of sewage effluent in coastal waters designated for the cultivation of oysters and for water-contact recreation	University College Cork	Prof J. Philip O'Kane	Kevin Barry
Environment & Health	2007-PhD-EH-6	Identity, Sources and Health Effects of Oxygenated Organic Compounds in Atmospheric Particles	University College Cork	Dr John Wenger	Jennifer Bell
Environment & Health	2008-PhD-EH-1	Photoinduced Advanced Oxidative Processes (PAOP) for the removal of pathogenic bacteria from drinking water	Dublin City University	Dr. Brid Quilty	Ana Almeida
Environment & Health	2008-PhD-EH-2	Hydrogeological and Geochemical Investigations of Elevated Arsenic (As) Abundances in Groundwater Wells from the West of Ireland	NUI, Galway	Dr Martin Feely	Martin Gilligan
Environment & Health	2008-PhD-EH-3	Genetic methods to improve Cr(VI) bioremediation in groundwater	Dublin City University	Dr Enrico Marsili	Gabriele Pastorella
Environmental Technology					
Environmental Technology	2006-PhD-ET-5	Biomass to Bio-fuel: Generation of Cellulose-based Biomass Degrading Strains of Brewery Yeasts.	Trinity College Dublin	Dr Ursula Bond	James Fitzpatrick
Environmental Technology	2006-PhD-ET-6	Photochemical Alternatives to Hazardous Radical Initiators for the Synthesis of Potent Anti-tumour Agents	NUI Galway	Dr Fawaz Aldabbagh	Eoin Moriarty
Environmental Technology	2006-PhD-ET-7	Biodegradable solvents for the pharmaceutical industry: toxicity, ecotoxicity and stereochemistry	Dublin City University	Dr Nick Gathergood	Deborah Coleman
Environmental Technology	2006-PhD-ET-8	Novel alcohol dehydrogenases for the synthesis of chiral alcohols	University College Dublin	Dr Francesca Paradisi	Gabriele GUniversity College Corkiardo
Environmental Technology	2006-PhD-ET-9	A functional metagenomics approach to the identification of cyanide/nitrile metabolising enzymes.	Waterford IT	Dr Catherine O'Reilly	Sharbhanu Ghosh Dastidar
Environmental Technology	2006-PhD-ET-10	Environmental issues relating to the manufacture of antisense-based products of pharmaceutical biotechnology	University Of Limerick	Dr Gary Walsh	Carol Robinson

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Environmental Technology	2006-PhD-ET-11	Sensing and Remediation of Nitrates using Copper and Bimetallic Copper Nanoparticles	NUI Maynooth	Dr Carmel Breslin	Enrico Andreoli
Environmental Technology	2006-PhD-ET-12	Development of nanoengineered materials for mitigation of indoor VOC (carbonyls) pollutants	University College Cork	Prof Michael Morris	Paul Delaney
Environmental Technology	2006-PhD-ET-13	Development of a Novel Process for the Removal of Selected Organic Compounds from Waste Streams	University Of Limerick	Dr Tom O'Dwyer	David Smart
Environmental Technology	2006-PHD-ET-14	Environmental diagnostics: biomolecular interactions at nanostructured surfaces	NUI, Galway	Dr Donal Leech	Joanna Hajdukiewicz
Environmental Technology	2006-PhD-ET-15	Novel anti-fouling strategies based on materials doped with nano-particles for use in new monitoring technologies	Dublin City University	Dr Fiona Regan	Emma Weir
Environmental Technology	2006-PhD-ET-16	Tungsten oxide based environmental gas sensors	Trinity College Dublin	Prof Igor Shvets	Barry Heffernan
Environmental Technology	2007-PhD-ET-1	Novel Passive Sampling Devices for the Monitoring of Priority Pollutants	Dublin City University	Dr Fiona Regan	Rachel MacArdle
Environmental Technology	2007-PhD-ET-2	Assessing and monitoring vegetation disturbance on Irish peatlands using satellite remote sensing	University College Dublin	Prof Nicholas Holden	Jerome O'Connell
Environmental Technology	2007-PhD-ET-3	Legal Issues Relating to the Admissibility in Evidence of Environmental Data Gathered by Means of Remote Sampling and Self-Monitoring Techniques – the Case of Water Quality Sampling	University College Cork	Dr Owen McIntyre	Deirdre Kenny
Environmental Technology	2007-PhD-ET-4	Cloud cover and radiation balance changes over Ireland due to aircraft induced contrails	University College Cork	Dr Fiona Cawkwell	Gillian Whelan
Environmental Technology	2007-PhD-ET-5	Green Organocatalysis: A biodegradation and (eco)toxicity study	Dublin City University	Dr Nick Gathergood	Thomas Michael Hayes
Environmental Technology	2007-PhD-ET-6	Investigation of Biodegradable Plastic Production by an Activated Sludge Microbial Consortium Treating Dairy Industry Wastewater.	University College Cork	Dr Niall O'Leary	Mary McCullagh
Environmental Technology	2007-PhD-ET-7	Synthesis of Fine-Chemicals through Solarchemical Photooxygenations and Environmental Performance Evaluations using the EATOS method	Dublin City University	Dr Kieran Nolan	Kieran Joyce
Environmental Technology	2007-PhD-ET-8	Elucidation of global regulatory signals controlling a biotechnologically significant pathway for the degradation of styrene, a toxic pollutant, by the bioreactor isolate Pseudomonas putida CA-3	University College Cork	Prof Alan Dobson	William Ryan

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Environmental Technology	2007-PhD-ET-9	Exploitation of sugar kinases in green chemistry	Queen's University Belfast	Dr David Timson	Helena Kristiansson
Environmental Technology	2007-PhD-ET-10	Carbon Nanocages as Environmental Adsorbents	University College Cork	Dr Justin Holmes	David Burke
Environmental Technology	2008-PhD-ET-1	A Technical, Environmental and Economic Analysis of Dredge Material Recovery and Reuse Techniques for Ireland	Cork Institute Of Technology	Dr Joseph Harrington	Colm Sheehan
Environmental Technology	2008-PhD-ET-2	The development of a bioremediation product: A study of factors affecting biosorption of chromium by a variety of seaweed species.	Waterford Institute Of Technology	McLaughlin	Catherine Murphy
Environmental Technology	2008-PhD-ET-3	Pulsed-UV light inactivation of Cryptosporidium spp. oocysts in drinking water supplies in Ireland	Athlone Institute Of Technology	Dr Neil Rowan	Mary Garvey
Environmental Technology	2008-PhD-ET-4	Development of a modified seaweed biofiltration system for the control of metals and other pollutants in an industry waste-stream	Waterford Institute Of Technology	Dr Eddy Fitzgerald	Adil Bakir
Environmental Technology	2008-PhD-ET-5	Nematode geno- and ecotoxicology for environmental monitoring of lead, cadmium and zinc pollution in Irish soils.	Institute Of Technology, Carlow	Dr Thomaé Kakouli-Duarte	Eileen Kelly
Environmental Technology	2009-PhD-ET-1	Catalysts for the promotion of green selective oxidation reactions	University College Dublin	James Sullivan	Niamh O'Callaghan
Environmental Technology	2009-PhD-ET-2	Biodegradable Imidazolium and Pyridinium Reagents	Trinity College Dublin	Stephen Connon	Conor McGlinchey
Environmental Technology	2009-PhD-ET-3	Selective Catalysts for green oxidation: upping performance reducing waste.	NUI Galway	Patrick O'Leary	Davina Flanagan
Environmental Technology	2009-PhD-ET-4	In situ Enzymatic Conversion of Biomass into Glucose in Biodegradable Enzyme-compatible Ionic Liquids	Dublin City University	Nick Gathergood	Harshad Bidwai
Environmental Technology	2009-PhD-ET-5	Fixation, Storage and Activation of CO2 using Iminodiacetic Acid-Based Coordination Complexes	Trinity College Dublin	Wolfgang Schmitt	Annemarie O'Toole
Environmental Technology	2009-PhD-ET-6	Remote sensing of grasslands for evaluating compliance with key environmental legislation	University College Dublin	Nicholas Holden	Ross Swift
Environmental Technology	2009-PhD-ET-7	Development of an intelligent intermittently aerated sequencing batch reactor (IIASBR) technology for nutrient-rich wastewater treatment with-a-view to commercialization	NUI Galway	Xinmin Zhan	Liam G. Henry

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Environmental Technology	2009-PhD-ET-8	Biodiscovery of microalgal strains and microalgal technology development for carbon capture and mitigation in Ireland.	NUI Galway	Prof. Charles Spillane	Simrat Kaur
Environmental Technology	2009-PhD-ET-9	Development of novel, environmentally neutral, biodegradable, flocculants and biofilters based on biomass and derivatives for water treatment	Dublin City University	Ian Marison	Sharon Conaghan
Environmental Technology	2009-PhD-ET-13	A Cost Efficient Method For Enabling Reuse of Personal Computers	University Of Limerick	Colin Fitzpatrick	Eanna Cronin
Environmental Technology	2009-PhD-ET-14	Satellite Remote Sensing as a Tool for Monitoring Vegetation Seasonality	University College Cork	Dr. Ned Dwyer	Mr. Brian O'Connor
Environmental Technology	2009-PhD-ET-15	Development of chemically engineered nano-porous absorbents for phosphate removal from waste water streams	University College Cork	Dr John Hanrahan /Prof. Michael Morris	Mr. Colm Mc Manamon
GIS					
GIS	2005-PHD5-GIS-5	Spatial modelling of Sustainability indicators and policy implications for sustainable development across three regions of Ireland	University Of Limerick	Dr Bernadette O'Regan	Jennifer Donlan
GIS	2005-PHD5-GIS-8	GIS for Biodegradable municipal waste management	University College Dublin	Dr William Magette	Mary Purcell
Landuse, Soils & Transport					
Landuse, Soils & Transport	2001-PHD-(10/44)	Regulation and assessment of N-mineralisation in grassland soil	University Of Limerick	Dr Cecily Leonard	Patrick Dundon
Landuse, Soils & Transport	2004-PHD4-7	Remote Sensing of grass management monitoring for sustainable grassland utilisation	University College Dublin	Dr Nick Holden	Paul McGranaghan
Landuse, Soils & Transport	2005-PHD5-S-4	Quantifying dissolved carbon losses from soils: effects of land use and management practices	University College Dublin	Prof Bruce Osborne	David Walmsley
Risk, Communications and Assessment					
RCA	2006-PhD-RCA-17	Communicating environmental risk: waste, incineration and dioxins	Trinity College Dublin	Dr Anna Davies	Joanne Rourke
RCA	2006-PhD-RCA-18	Advanced systems for biological assessment of toxicity of industrial chemicals	University College Cork	Prof Dmitri Papkovsky	Alice Zitova

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RCA	2006-PhD-RCA-19	Post-genomic approaches to assess the nanotoxicity risk of nanoparticles	University College Dublin	Prof Kenneth Dawson	Tiziana Tenuta
RCA	2006-PhD-RCA-20	Development of a risk assessment methodology for evaluating ecological dispersion and human risks from nanoparticles through environmental pathways	University College Dublin	Dr Enda Cummins	Niall O'Brien
Socio-Economics					
Socio-Economics	phd2_11	An economic assessment of the determinants of quality of life and attitudes to the environment	University College Dublin	Dr Peter Clinch	Finbarr Brereton
Socio-Economics	PHDe-5/5	Modelling the impact of various policy options to control greenhouse gas emissions on output, employment and taxation using applied computable general equilibrium model for the Irish economy	Trinity College Dublin	Dr Alan Mathews	Wiepke Wissema
Socio-Economics	2003-PHD3-2	Welfare measures and optimal compensation for the siting of waste management facilities	University College Dublin	Prof Frank Convery	Louise Gallagher
Socio-Economics	2003-PHD3-4	National environmental health impact assessment: the burden of disease attributable to environmental pollution in the Republic of Ireland	University College Dublin	Dr Anthony Staines	Emer O'Connell
Socio-Economics	2004-PHD4-2	Documenting variations in environmental quality indicators over the last ca. 150 years in Ireland; a multi-proxy approach	Trinity College Dublin	Prof David Taylor	Barry O'Dwyer
Socio-Economics	2004-PHD4-3	Market-based instruments for sustainable settlement patterns; designing more effective, efficient and equitable policy instruments	University College Dublin	Dr Paula Russell	Eoin O'Neill
Socio-Economics	2004-PHD4-4	A model of the prediction of traffic flow variability; its impact on congestion and environmental emissions	University College Dublin	Prof Peter Clinch	Fearghal King
Socio-Economics	2004-PHD4-5	Sustainable urban management and the inner city: an investigation of residential change and quality of life	University College Dublin	Dr Mark Scott	Peter Howley
Socio-Economics	2005-PHD5-SPI-4	Participative Democracy and the EU Water Framework Directive: A Sociological Study	University College Dublin	Dr Mary Kelly	Ciaran Fallon
Socio-Economics	2005-PHD5-SPI-5	The potential for competitive gains in the Irish agriculture sector from emissions trading	University College Cork	Dr Nick Chisholm	Helena O'Connor
Socio-Economics	2005-PHD5-SPI-8	Integrating environmental policies into the tourism product - Developing a model of best practice	NUI Galway	Dr John McDonagh	Noel Healy

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Socio-Economics	2005-PHD5-SPI-13	Expanding the National Accounts in Ireland: Towards measuring sustainability	University College Dublin	Dr Susana Ferreira	Mirko Moro
Socio-Economics	2007-PhD-SD-1	Participatory Governance: A Best Practice Model for Effective and Inclusive Decision-Making in Wind Energy Development in Ireland	NUI Galway	Dr Michael O'Kinneide	Brid Walsh
Socio-Economics	2007-PhD-SD-2	Sustainable food Systems: An evaluation of the potato supply chain in Ireland using life cycle assessment.	University College Cork	Dr Colin Sage	Alice D'Arcy
Socio-Economics	2007-PhD-SD-3	An objective measure of value in biological entities for sustainable management and planning	Queen's University Belfast	Dr Keith Farnsworth	Olga Lyashevskaya
Socio-Economics	2007-PhD-SD-4	The EU Emission Trading Scheme and the Greening of Technology	University College Dublin	Dr Corrado Di Maria	Barry Anderson
Socio-Economics	2007-PhD-SD-5	Innovation, agricultural diversification and environmental sustainability	University College Dublin	Prof Alun Jones	Terence McFadden
Socio-Economics	2009-PhD-SD-10	Irish bio-composites for building.	Trinity College Dublin	Sara Pavia	Rosanne Walker
Soils					
Soils	2006-PhD-S-21	Assessing the impact that plant species may have on the diversity and activity of phosphate-solubilising soil microbes	University College Cork	Prof Fergal O'Gara	Patrick Browne
Soils	2006-PhD-S-22	Hierarchy for Land as a Receptor of Organic Wastes	University College Dublin	Dr William Magette	Mebrate Taffese
Soils	2006-PhD-S-23	Molecular studies of ¹³ C and ¹⁵ N isotopically enriched soil microbial biomass; influence on carbon cycling and agriculture.	Dublin City University	Dr Brian Kelleher	Adrian Spence
Soils	2006-PhD-S-24	Active Microwave Remote Sensing of Soil Moisture	University College Cork	Dr Padraig Whelan	Brian Barrett
Soils	2006-PhD-S-25	Identification of an Appropriate Legislative Regime for the Remediation of Contaminated Land in Ireland	University College Cork	Dr Owen McIntyre	Aoife Shields
Soils	2007-PhD-S-2	Assessing the impact of conventional and decision based fertilizer inputs on rhizosphere microbial diversity and activity of three commercial crops.	University College Cork	Prof Fergal O'Gara	Tan, Hao

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Soils	2007-PhD-S-3	Characterising variation of heavy metal pollution in urban soils	NUI Maynooth	Dr Chaosheng Zhang	Dao Ligang
Soils	2007-PhD-S-4	Nematode community structure analysis and its function as an indicator of heavy metal soil contamination in Ireland	IT Carlow	Dr Thomaé Kakouli-Duarte	Ngyuen Van Thanh
Waste & Resource Management					
Waste & Resource Management	2001-PHD-(12/44)	Physiology and genetics of flouranthene degradation by Pseudomonas alcalignes PA-10, potential for bioremediation/rhizoremediation pf polycyclic hydrocarbon contaminated ecosystems	University College Cork	Dr Alan Dobson	Mark O'Mahony
Waste & Resource Management	2001-PHD-(22/44)	Development of a novel biosensor for the rapid detection of phenols in environmental samples	University College Dublin	Dr Kevin O'Connor	Aoife McMahon
Waste & Resource Management	2001-PHD-(23/44)	Environmental attitudes and behaviour; values, actions and waste management	Trinity College Dublin	Prof David Taylor	Frances Fahy
Waste & Resource Management	phd2_20	Biodegradation of sheep dip wastes as an environmentally safe method of disposal	University College Dublin	Dr Nicholas Clipson	Mairin Cannon
Waste & Resource Management	phd2_28	Hybrisense: Electrochemical DNA hybridation sensors for application to environmental diagnostics	NUI Galway	Dr Donal Leech	Paul Kavanagh
Waste & Resource Management	PHDe-3/5	Environmental predictors of metal contamination in the vicinity of abandoned mine sites (Silvermines)	University of Limerick	Dr John Breen	Carrie Garavan
Waste & Resource Management	2004-PHD4-8	A rapid compression machine and complementary modelling study of an alternative diesel fuel	NUI Galway	Dr Henry Curran	Wayne Metcalfe
Waste & Resource Management	2008-PhD-WRM-1	Informing the design of bioremediation protocols for polycyclic aromatic hydrocarbon (PAH) contaminated soil.	University College Dublin	Dr Evelyn Doyle	Sean Storey
Waste & Resource Management	2008-PhD-WRM-2	New delivery agents for nanosized zero-valent iron: Fe/C nanocomposites for in situ reductive remediation of pollutants	Trinity College Dublin	Dr Paula Colavita	Paul Duffy

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Waste & Resource Management	2008-PhD-WRM-3	Fungi and fluorinated drugs: the development of microbial models of mammalian metabolism	University College Dublin	Dr Cormac Murphy	Jessica Amadio
Waste & Resource Management	2008-PhD-WRM-4	Investigation of the toughness of recycled polymer-clay nanocomposites for plastics recycling	Trinity College Dublin	Dr Biqiong Chen	Oana Mihaela Istrate
Waste & Resource Management	2008-PhD-WRM-5	Novel bioaugmentation product for Fats, Oils and Grease (FOG) degradation	Dublin City University	Dr Brid Quilty	Markella Tzirita
Water					
Water	2001-PHD-(34/44)	Identification and initial assessment of phytases suitable for inclusion in animal feed for the purposes of phosphate pollution abatement	University Of Limerick	Dr Gary Walsh	Angela Boyce
Water	2001-PHD-(43/44)	Development of a generic tool for flushing study analyses	NUI Galway	Dr Michael Hartnett	Thomas Dabrowski
Water	phd2_30	The development of Liquid Chromatography-mass spectrophotometry (LC-MS) methods for the determination of Microcystins in Irish freshwaters, Cyanobacteria and drinking water	Cork Institute Of Technology	Dr Ambrose Furey	Orla Allis
Water	PhD2_34	Irish Ecoregion community training-set and ecological restoration targets	University Of Limerick	Dr Catherine Dalton	Guangjie Chen
Water	PhD2_36	A test of different ecological response to nutrient loads of soft- and hard-water lakes	Trinity College Dublin	Dr Kenneth Irvine	Valerie McCarthy
Water	PhD2_37	Turlough soils - spatial and temporal fluxes in plant nutrients	Trinity College Dublin	Dr Steve Waldren	Sarah Kimberley
Water	2003-PHD3-1	Erosion and siltation from forestry practices: environmental implications and management	NUI Galway	Dr Michael Rodgers	Markus Muller
Water	2003-PHD3-3	The microbiological status of Irish groundwater in relation to human health	NUI Galway	Dr Vincent O'Flaherty	Niamh Breathnach
Water	2004-PHD4-6	Assessment of pharmaceutical residue levels and consequent potential health impacts in receiving waters at three Irish sewage treatment plants	Dublin City University	Prof John Tobin	Clair Lacey
Water	2008-PhD-W-1	Testing hydromorphological integrity to support High and Good status of lakes	Trinity College Dublin	Dr Kenneth Irvine	Saliha Yesim Tunali.

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Water	2008-PhD-W-2	Limno- and palaeo-ecological responses to lake water dissolved organic carbon (DOC)	University Of Limerick (Mary Immaculate College)	Dr Catherine Dalton	Karin Sparber
Water	2009-PhD-W-11	The impact of on-site wastewater treatment for small community developments on groundwater	Trinity College Dublin	Laurence Gill	Patrick Morrissey
Water	2009-PhD-W-12	Assessment of environmental compliance of waterbodies through integration of monitoring and modelling	NUI Galway	Michael Hartnett	Joe McGovern