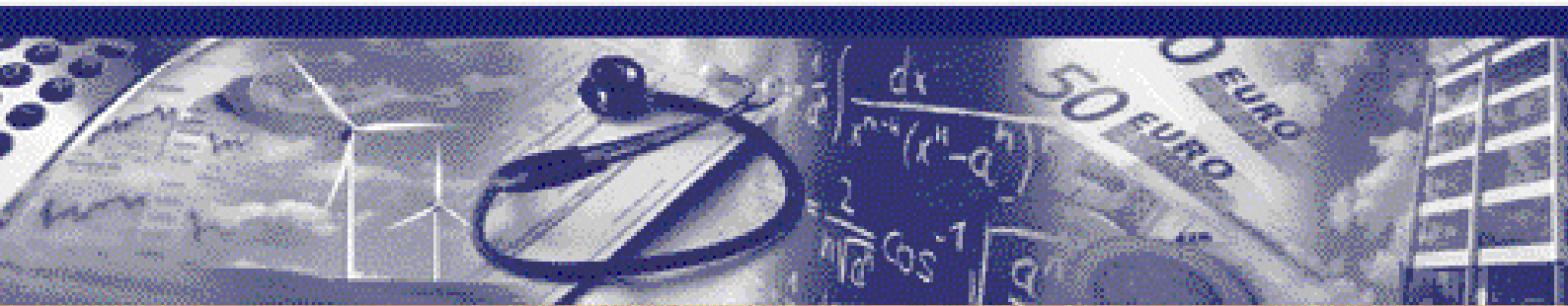




THE ECONOMIC AND SOCIAL RESEARCH INSTITUTE



**REVIEW OF RESEARCH
2009**



THE ECONOMIC AND SOCIAL RESEARCH INSTITUTE

The Economic and Social Research Institute was founded in 1960, as The Economic Research Institute, with the assistance of a grant from the Ford Foundation of New York. In 1966 the Institute assumed responsibility for social research and extended its title to The Economic and Social Research Institute.

The mission of the ESRI is to produce high-quality research that contributes to understanding economic and social change and that informs public policymaking and civil society in Ireland and throughout the European Union. The Institute's research has been a vital constituent in national debates on economic and social issues for nearly 50 years. Its primary research goal is to develop and implement a sustainable research agenda that matches closely the key long-term economic and social challenges facing Ireland in the changing international context over the next decade.

The Institute is a not-for-profit organisation with charitable status, registered as a company limited by guarantee. The ESRI is governed by a Council consisting of up to 12 members, in addition to the President and the Director. Members of the Council are appointed from amongst the general members of the Institute, broadly representing the social partners, Government Departments, State agencies, universities and other research institutes. The Institute receives an annual grant-in-aid from the Irish Government, which covers approximately 27 per cent of total expenditure (average over 3 years). The remainder of the Institute's income comes from funded research programmes, commissioned research projects, EU and Irish research grants, sponsorship of Institute activities by Irish business, and membership subscriptions.

The ESRI's most important resource is its research staff, whose high levels of expertise allow them to work to international standards of excellence. The results of the Institute's research have been included in hundreds of reports published by the ESRI, including the *Quarterly Economic Commentary* and the *Medium-Term Review of the Irish Economy*, as well as in numerous books and articles in academic journals, published in Ireland and abroad.

Further information is available at www.esri.ie

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Guest speaker James Poterba (Massachusetts Institute of Technology, USA) with Frances Ruane (Director) and Tim Callan on the occasion of the 2009 Geary Lecture, "The Challenge of Tax Reform and Expanding the Tax Base", May 2009.



Mary Harney TD (Minister for Health and Children) with Frances Ruane (Director) at the Conference on "The Impact of Demographic Change on the Demand for and Delivery of Healthcare in Ireland to 2021", 21 October 2009.

Introduction

As the ESRI approaches its fiftieth year, its contribution to providing evidence for policy and its engagement in policy discussion continue to shape and enhance Ireland's economic and social development. Alongside this policy role within Ireland, the Institute has established a world-class reputation as a centre of excellence for policy-relevant research in the social sciences.

This *Review* is designed to give stakeholders and the wider public an overview of the research activities at the ESRI during 2009, a year in which the impact of the global recession and the massive downturn in the economy were felt to the full. As part of its contribution to the formation of policy at a time of crisis, the ESRI produced a research paper, entitled *Recovery Scenarios for Ireland*, which analysed the economic crisis and explored the implications for the potential growth rate of the Irish economy in the medium term. Other research undertaken in 2009 contributed to (i) the understanding of the need for public sector pay to adjust in order to help secure economic competitiveness and underpin the stability of the public finances, and (ii) the understanding of how the synchronisation of business cycles has contributed to the depth of the global recession.

The difficult decisions that have been required in order to re-stabilise the economy have pointed to the importance of evidence for policymaking. This contrasts with the previous era of soft budgets, when an evidential approach was neither sought nor welcomed. ESRI research in 2009 contributed to providing evidence to inform policy in the medium term across the full range of its research domains, including labour market interventions, education, health, equality, social inclusion and sectoral restructuring.

As competition and regulation have become increasingly important instruments of economic and social policy, the Institute has now established a research group in this area with a particular focus on energy and the environment. This allows the research to look at the interplay of these policies with the more traditional policy instruments, namely, taxation and public expenditure.

While policy is currently strongly focused on the immediate challenges of reversing economic decline, the Institute has continued to explore issues of a longer term nature. Major examples of this work in 2009 were the study exploring the impact of demographic change on the demand for, and delivery of, health care in Ireland and the modelling of

pension reforms. Significant progress has also been made on the children's longitudinal study, which will provide a strong basis for policymaking in relation to children across a wide number of domains.

During 2009 ESRI researchers published 85 journal articles and book chapters, 36 reports, and four economic commentaries. In addition, 65 working papers were released and the Institute launched its new research bulletin series, which is published on the ESRI website and included in the *Quarterly Economic Commentary*. There were 19 bulletins released during the course of the year. The 2009 Geary lecture was delivered by Professor James Poterba (Massachusetts Institute of Technology). In light of the Commission on Taxation that was sitting at the time, we invited him to speak on *The Challenge of Tax Reform and Expanding the Tax Base*. In addition to the Institute's regular series of seminars for the research and policy communities, and the annual pre-budget conference, the Institute also hosted major conferences on the demography of health care provision, the labour market in recession, energy, and the children's longitudinal study.

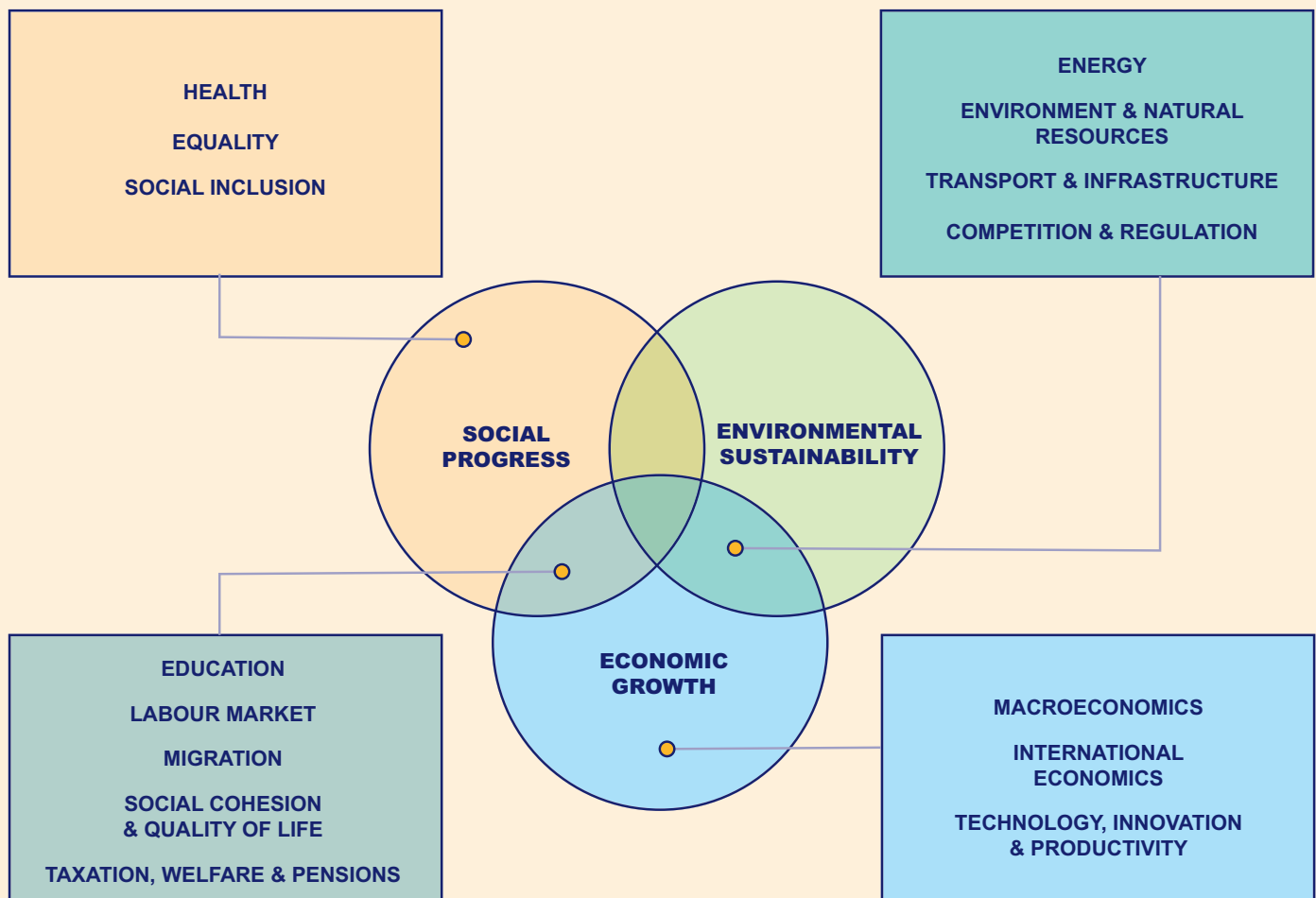
During the course of the year, the ESRI contributed to the work of the Commission on Taxation, providing inputs on the overall development of the tax system, including specific inputs on carbon taxes and pensions. The Institute also contributed to providing research to support the work of an expert group on resource allocation and financing of Irish health care.

The direction and focus of ESRI research in any year reflects both the current economic and social issues that face Ireland and the resources that are available to the Institute to support this research. In the current economic climate accessing these resources is increasingly challenging, despite the wider recognition of the need for evidence to inform policy. The Institute remains committed to pursuing sustained programmes of research and to ensuring value for money to those who provide financial support for its research. Irrespective of the source of the financial support, the Institute retains its independence in relation to its approach to that research and to the public dissemination of its results to the wider community. As Ireland embraces the knowledge society, and we enter our fiftieth year, we wish to recognise the contribution of those who support our endeavours and reiterate our commitment to providing independent research to inform economic and social policy in Ireland.

Frances Ruane

Director

April 2010



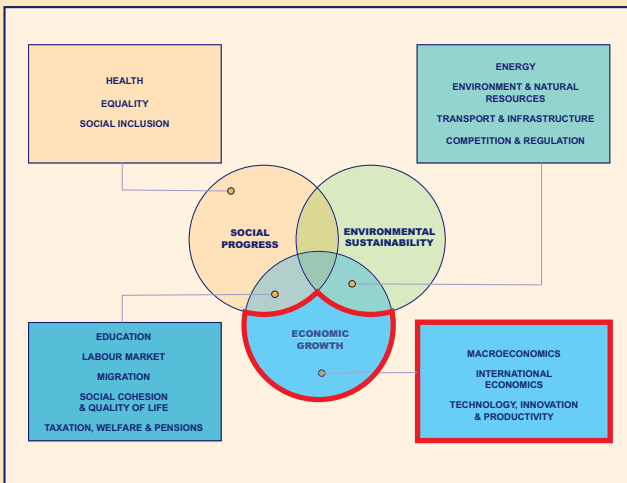
RESEARCH AREAS

The ESRI's research programmes are now grouped under four general headings:

- research which is focused on informing policies related to Economic Growth;
- research which seeks to inform policies relating to Social Progress;
- research at the interface between Economic Growth and Social Progress; and
- research at the interface between Economic Growth and Environmental Sustainability.

The following paragraphs summarise research activities and findings in these areas during 2009.

Economic Growth



There are three programmes of research in this area:

- **Macroeconomics** (coordinated by Professor John Fitz Gerald);
- **International Economics** (coordinated by Dr Iulia Siedschlag); and
- **Technology, Productivity and Innovation** (coordinated by Dr Iulia Siedschlag).

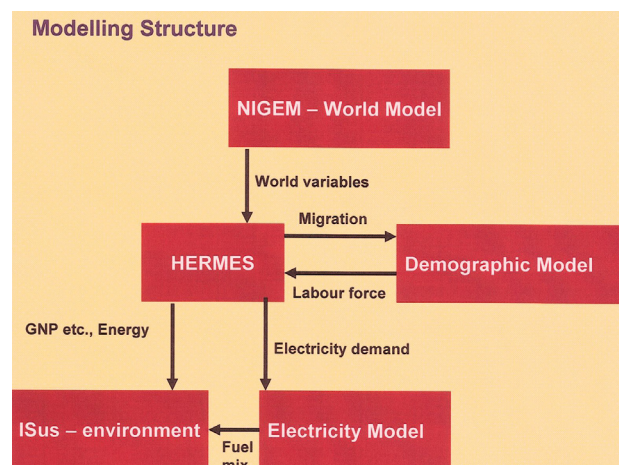
MACROECONOMICS

A major feature of the work of the ESRI on macroeconomics has been the development of key research infrastructure in the form of economic models. The *HERMES* macroeconomic model was built in the late 1980s and has undergone continuing development and improvement over the subsequent twenty years. It is a tool for understanding how the Irish economy behaves – what drives it and how it is likely to respond to changing circumstances at home and abroad. It has been used as an essential tool in the ESRI’s *Medium-Term Reviews*. It is also widely used to look at how macroeconomic developments may affect other aspects of the economy such as energy demand, environmental impact, skills needs and housing demand. A brief guide to the model is given in the 2003 *Medium-Term Review* <http://www.esri.ie/UserFiles/publications/20100120124449/JACB200302.pdf>.

In May 2009 the ESRI published a paper looking at how the Irish economy can recover from the current recession. The analysis suggested that three problems needed to be tackled to restore the economy to a sustainable growth path: the major structural deficit in the public finances must be closed; competitiveness must be restored; and the banking system must be transformed so that it can profitably and effectively fund a future recovery.

If these conditions are met, the Irish economy could see significant growth as the world economy recovers, restoring some, but not all, of the ground lost in the current recession.

In December 2009 a report was published by the ESRI as part of the EUROFRAME Network of European economic research institutes considering the impact of the world recession on the EU economy (*Economic Assessment of the Euro Area: Autumn Report 2009*). This report fed into the ongoing research underlying the ESRI’s *Quarterly Economic Commentary*.



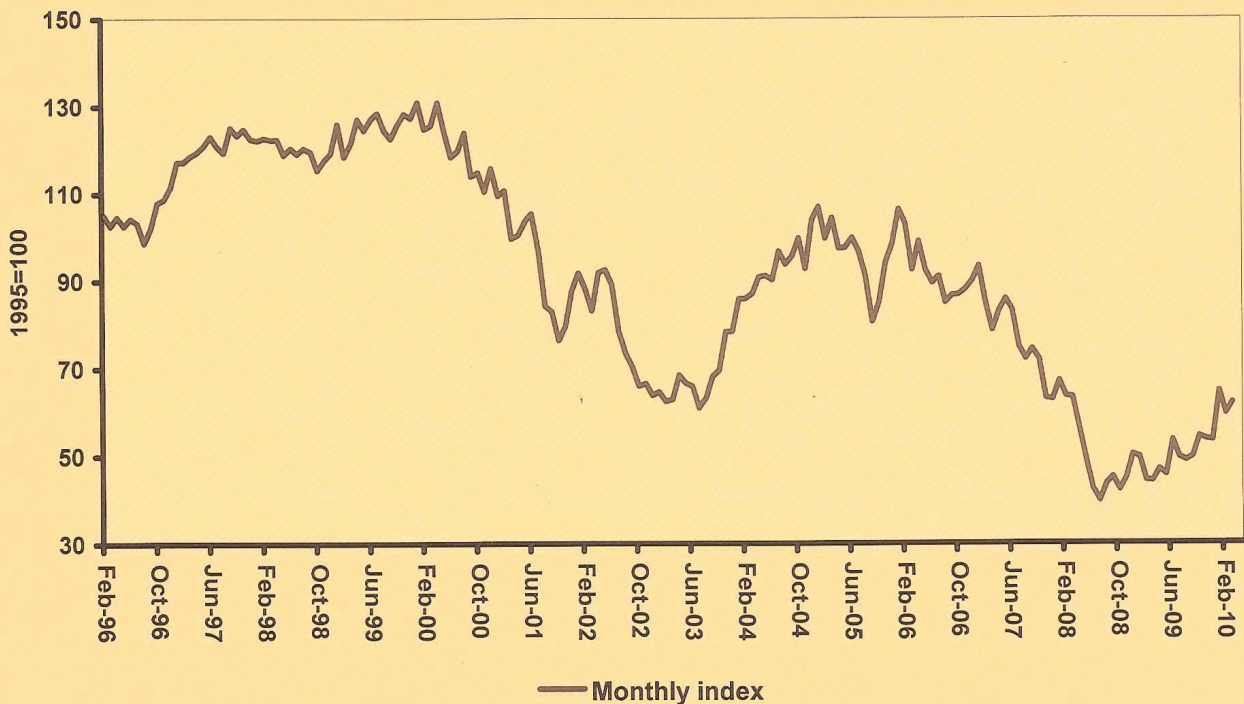
MACROECONOMICS (continued)

Over the course of 2009 research was carried out on:

- (a) *The macroeconomic effects of taxation, especially of carbon taxes:* This research indicated that because a carbon tax would have little impact on the labour market, its negative economic consequences would be much less than those for an equivalent increase in income taxation.
- (b) *The misperception of inflation by Irish consumers:* This research reveals systematic overestimation of inflation by Irish consumers, which varies by social group. There is evidence that inflation misperceptions are linked to attitudes and intentions and hence are likely to affect household decision making. The findings raise issues for the relationship between

financial literacy and consumer behaviour.

- (c) *The factors driving the market services sector:* The changing structure of the world economy means that many parts of the services sector are now tradable. As a result, international competitiveness matters much more for this sector today than it did twenty years ago. Today, 40 per cent of Irish exports are services and this percentage is likely to increase over the coming years.
- (d) *The macroeconomic impact of changing the rate of corporation tax:* While the reduction in the rate of corporation tax applicable to the services sector after 1994 had a significant effect on economic growth, it was not one of the primary causes of rapid growth during the boom period of the late 1990s.



Source: ESRI/KBC Bank Ireland Consumer Sentiment Index

MACROECONOMICS (continued)

Programme Coordinator: John Fitz Gerald

Others working in this area include: Alan Barrett, Adele Bergin, Thomas Conefrey, David Duffy, Jean Goggin, Stefanie Haller, Ide Kearney, Edgar Morgenroth, Martin O'Brien, Iulia Siedschlag, Richard S. J. Tol.

Project Title	Client/Funding Agency	Status	Researchers
Consumer Sentiment Index	IIB Bank	In progress	D. Duffy
Co-operation with Department of Finance on Medium-Term Model	Grant in Aid	In progress	J. Fitz Gerald A. Bergin T. Conefrey I. Kearney
Current Trends in the Irish Economy: <i>Quarterly Economic Commentary</i>	Grant in Aid	In progress	A. Barrett I. Kearney J. Goggin T. Conefrey
Economic Assessment of the Euro Area	Grant in Aid	In progress	J. Fitz Gerald A. Bergin Euroframe Group
Employment Forecasts	FÁS	Complete	A. Bergin, T. Conefrey, I. Kearney P. Lunn
House Price Index	permanent tsb	In progress	D. Duffy
Medium-Term Economic Review and Outlook for Ireland	Grant in Aid	In progress	J. Fitz Gerald A. Bergin I. Kearney A. Barrett D. Duffy T. Conefrey
Provision of Economic Analysis and Forecasting Services	IDEAS Programme Vietnam, Irish Aid	In progress	I. Kearney A. Bergin T. Conefrey

MACROECONOMICS (continued)

Journal Articles and Chapters in Books

“A Hirsch Measure for the Quality of Research Supervision, and an Illustration with Trade Economists”, *Scientometrics*, Vol. 80, No. 3, 2009, pp. 615-626, **Frances Ruane, Richard S. J. Tol.**

“Convergence of Consumption Patterns During Macroeconomic Transition: A Model of Demand in Ireland and the OECD”, *Economic Modelling*, Vol. 26, Issue 3, May 2009, pp. 702-714, **Seán Lyons, Karen Mayor, Richard S. J. Tol.**

“From Economic Development to St. Andrews: Half a Century of Economic and Social Policy Making”, M. Mulreany (ed.), *Serving the State: The Public Sector in Ireland*, **John Fitz Gerald.**

“Resonances from Economic Development for Current Economic Policy-making”, M. Mulreany (ed.), *Economic Development 50 Years On 1958-2008*, **Frances Ruane.**

“The h-index and Its Alternatives: An Application to the 100 Most Prolific Economists”, *Scientometrics*, Vol. 80, No. 2, 2009, pp. 319-326, **Richard S. J. Tol.**

“The Matthew Effect Defined and Tested for the 100 Most Prolific Economists”, *Journal of the American Society for Information Science and Technology*, Vol. 60, No. 2, February 2009, pp. 420-426, **Richard S. J. Tol.**

“The Misperception of Inflation by Irish Consumers”, *The Economic and Social Review*, Vol. 40, No. 2, pp.139-163, **David Duffy, Pete Lunn.**

ESRI Research Bulletins

“Macroeconomic Differentials and Adjustment in the Euro Area”, ESRI Research Bulletin 2009/3/1, ESRI, Dublin, **Iulia Siedschlag.**

“Who is Paying for Regional Balance in Ireland?”, ESRI Research Bulletin 2009/1/3, ESRI, Dublin, **Edgar Morgenroth.**

Reports and Other Publications

Economic Assessment of the Euro Area: Winter 2009, ESRI Survey and Statistical Report Series 28, EUROFRAME - European Forecasting Network, Europe, CASE (Poland), CPB (Netherlands), DIW Berlin (Germany), **ESRI (Ireland)**, ETLA (Finland), The Kiel Institute for the World Economy (Germany), NIESR (United Kingdom), OFCE (France), OMETEIA (Italy), WIFO (Austria.).

Quarterly Economic Commentary, Spring 2009, ESRI Forecasting Series, **Alan Barrett, Ide Kearney, Jean Goggin.**

Quarterly Economic Commentary, Summer 2009, ESRI Forecasting Series, **Alan Barrett, Ide Kearney, Jean Goggin.**

Quarterly Economic Commentary, Autumn 2009, ESRI Forecasting Series, **Alan Barrett, Ide Kearney, Jean Goggin.**

Quarterly Economic Commentary, Winter 2009, ESRI Forecasting Series, **Alan Barrett, Ide Kearney, Jean Goggin, Thomas Conefrey.**

Recovery Scenarios for Ireland, ESRI Research Series 7, ESRI, Dublin, **Adele Bergin, Thomas Conefrey, John Fitz Gerald, Ide Kearney.**

ESRI Working Papers

WP 331: “A Hedonic Analysis of the Value of Parks and Green Spaces in the Dublin Area”, Karen Mayor, **Seán Lyons, David Duffy, Richard S. J. Tol.**

WP 327: “A Computational Theory of Exchange: Willingness to Pay, Willingness to Accept and the Endowment Effect”, **Pete Lunn, Mary Lunn.**

WP 326: “Fiscal Policy for Recovery”, **John Fitz Gerald.**

WP 319: “Negative Equity in the Irish Housing Market”, **David Duffy.**

MACROECONOMICS (continued)

WP 315: “Managing Housing Bubbles in Regional Economies under EMU: Ireland and Spain”, **Thomas Conefrey, John Fitz Gerald.**

WP 308: “Price Inflation and Income Distribution”, Anne Jennings, **Seán Lyons, Richard S. J. Tol.**

WP 298: “Irish Public Capital Spending in a Recession”, **Edgar Morgenroth.**

WP 287: “The Behaviour of the Irish Economy: Insights from the *HERMES* Macro-Economic Model”, **Adele Bergin, Thomas Conefrey, John Fitz Gerald, Ide Kearney.**

WP 273: “The Macro-Economic Impact of Changing the Rate of Corporation Tax”, **Thomas Conefrey, John Fitz Gerald.**

Papers Read to Conferences and Learned Societies

“Ireland: Outlook for Recovery”, InterTrade Ireland Global Forum, Dublin, June, **Frances Ruane.**

“Irish Economy – Current Issues”, IBEC CBI Joint Conference, Belfast, April, **Frances Ruane.**

“Managing Housing Bubbles in Regional Economies under EMU: Ireland and Spain”, National Economic Research Organisations Annual Meeting, OECD, Paris, September, **John Fitz Gerald.**

“Medium and Long Term Strategic Choices for Growth in Recession”, European Foundation for Living Conditions Conference, May, **Iulia Siedschlag.**

“Role of Infrastructure Spend in an Economic Recession”, Joint Northern Ireland/Republic of Ireland Annual Infrastructure Conference, March, **Frances Ruane.**

“The Housing Market in the Republic of Ireland”, Northern Ireland Housing Conference 2009, Belfast, March, **David Duffy.**

“The Likely Impact of Behavioural Economics for Policymakers”, Government Economic Service Workshop, HM Treasury, London, September, **Pete Lunn.**

“Two Failures and a Success”, European Foundation (EUROFOUND) Conference on Finland and Ireland, May, **John Fitz Gerald.**



Garret FitzGerald with Iulia Siedschlag at the *Budget Perspectives 2010* Conference held on 13 October 2009.

INTERNATIONAL ECONOMICS

In 2009, this research programme covered three themes:

(a) *International Transmission of Business Cycles:*

Research in this area is part of a project funded under the **Irish Research Council for the Humanities and Social Sciences**. It analyses patterns and determinants of the international transmission of business cycles between Ireland and its trading partners over the past three decades. The research results suggest that deeper trade integration had a strong direct positive effect on the synchronisation of Irish business cycles with its trading partners. Sectoral specialisation and national competitiveness differentials were sources of cyclical divergence. Sectoral specialisation had, however, an indirect positive effect on business cycle synchronisation via its positive effect on trade and financial integration.

(b) *Internationalisation of Production and Services:*

Research in this area is part of an international research consortium led by the ESRI in co-operation with nine leading universities and research institutes in Europe, funded under the **EU 6th RTD Framework Programme**. It analyses determinants of the location choice of multinational firms in the ICT sector. The results suggest that on average, the location probability of foreign affiliates in ICT manufacturing and services increases with market size, market potential, the presence of other foreign-owned firms in the ICT sector, human capital, income tax, and decreases with the corporation tax rate. In addition, in the case of foreign affiliates in ICT services, the innovation intensity in the ICT sector has a positive effect on the location probability.

(c) *International Trade: Research on international trade and firm heterogeneity* is funded under a grant from the **Irish Research Council for the Humanities and Social Sciences**. The research shows that economic activity is heavily

concentrated among firms that engage in intra-firm trade and firms that export and import. Firm performance, in terms of size, productivity, average wages and fuel use, is higher the more dimensions of trade a firm is engaged in and also depends on the location of trading partners. However, there is also substantial variation in firm performance among plants that have a similar exposure to trade. Further research in this area, funded by **InterTrade Ireland**, considered the degree to which the *trade intensity* between Northern Ireland and the Republic of Ireland is above, at or below the trade potential, by estimating gravity models for exports and imports for a set of bilateral trade flows. The key finding was that once important geographic factors are taken account of, the level of trade between the two parts of the island is below the expected level for most sectors.

INTERNATIONAL ECONOMICS (continued)

Programme Coordinator: Iulia Siedschlag

Other staff currently working in this area include: John Fitz Gerald, Jean Goggin, Stefanie Haller, Edgar Morgenroth, Gavin Murphy, Frances Ruane, Marc Schiffbauer, Donal Smith, Richard S.J. Tol and Xiaoheng Zhang.

Project Title	Client/Funding Agency	Status	Researchers
A Gravity Model Approach to Estimating the Expected Volume of North/South Trade	InterTrade Ireland	Completed	E. Morgenroth
Dynamic Regions in a Knowledge-Driven Global Economy: Lessons and Policy Implications for the EU (DYNREG)	European Commission, DG Research, FP6	Completed	I. Siedschlag E. Morgenroth S. Haller M. Schiffbauer G. Murphy D. Smith X. Zhang I. Nash
Globalisation and Exporter Productivity in Developed Open Economies	IRCHSS	Completed	F. Ruane S. Haller A.M. Gleeson (WIT)
Indicators and Data Development on International Technology and Industry Spillovers	European Commission, DG Research	Completed	I. Siedschlag
The Impact of Service Sector Innovation and Internationalisation on Growth and Productivity (SERVICEGAP)	European Commission, DG Research , FP7	In progress	I. Siedschlag F. Ruane J. Fitz Gerald S. Haller S. Lyons
Turning Globalisation to National Advantage: Economic Policy Lessons from Ireland's Experience	IRCHSS	In progress	J. Fitz Gerald I. Siedschlag S. Haller J. Goggin M. Schiffbauer G. Murphy K. Mayor T. Conefrey

INTERNATIONAL ECONOMICS (continued)

Journal Articles and Chapters in Books

“Convergence of Consumption Patterns During Macroeconomic Transition: A Model of Demand in Ireland and the OECD”, *Economic Modelling*, Vol. 26, Issue 3, May 2009, pp. 702-714, **Seán Lyons**, Karen Mayor, **Richard S. J. Tol**.

“The Impact of Multinational Entry on Domestic Market Structure and Investment”, *International Review of Economics and Finance*, Vol. 18, Issue 1, January 2009, pp. 52-62, **Stefanie Haller**.

“Understanding Cross-Country Differences in Exporter Premia: Comparable Evidence for 14 Countries”, *Review of World Economics*, Vol. 144, No. 4, pp. 596-635, **Frances Ruane**, **Stefanie Haller**, Leonhard Pertl, Stefano Schiavo, Mirabelle Muuls, Mauro Pisu, Roberto Álvarez, Patricio Jaramillo, Ricardo A. López, Johannes Van Biesebroeck, Loren Brandt, Yifan Zhang, Ana M. Fernandes, Alberto Isgut, Rasmus Jørgensen, Ulrich Kaiser, Flora Bellone, Liza Jabbour, Patrick Musso, Lionel Nesta, Hemit Fryges, Joachim Wagner, Davide Castellani, Francesco Serti, Chiara Tomasi, Antonello Zanfei, Joze P. Damijan, Crt Kostevc, Saso Polanec, Jose C. Fariñas, Liza Jabbour, Juan A. Máñez, Ana Martín, María E. Rochina, Juan A. Sanchis, Martin Andersson, Sara Johansson, David Greenaway, Richard Kneller, Holger Görg.

ESRI Research Bulletins

“Macroeconomic Differentials and Adjustment in the Euro Area”, ESRI Research Bulletin 2009/3/1, ESRI, Dublin, **Iulia Siedschlag**.

Reports and Other Publications

A Gravity Model Approach to Estimating the Expected Volume of North/South Trade, InterTradelreland, **Edgar Morgenroth**.

Dynamic Regions in a Knowledge-Driven Global Economy. Lessons and Implications for the European Union, Final Activity Report, ESRI, Dublin, **Iulia Siedschlag** (Scientific Co-ordinator).

Economic Assessment of the Euro Area: Winter 2009, ESRI Survey and Statistical Report Series 28, EUROFRAME - European Forecasting Network,

Europe, CASE (Poland), CPB (Netherlands), DIW Berlin (Germany), **ESRI (Ireland)**, ETLA (Finland), The Kiel Institute for the World Economy (Germany), NIESR (United Kingdom), OFCE (France), OMETEIA (Italy), WIFO (Austria).

European Research Area Indicators and Monitoring, Expert Group Report, Publications Office of the European Union, Luxembourg, Rémi Barre, Pierre Regibeau, Benedetto Lepori, **Iulia Siedschlag**, Horts Soboll, Michael Tubbs, Reinhilde Veugelers, Ward Ziarko.

Investigation into North/South Trade Statistics, InterTradelreland, Newry, Jim Love, **Edgar Morgenroth**, Stephen Roper.

Picking “Lemons” or “Cherries”? Domestic and Foreign Acquisitions in Norwegian Manufacturing, Institute for Research in Economics and Business Administration, Bergen, **Stefanie Haller**, Ragnhild Balsvik.

ESRI Working Papers

WP 336: “What Determines the Location Choice of Multinational Firms in the ICT Sector?”, **Iulia Siedschlag**, **Xiaoheng Zhang**, **Donal Smith**.

WP 330: “Measuring International Technology Spillovers and Progress Towards the European Research Area”, **Iulia Siedschlag**.

WP315: “Managing Housing Bubbles in Regional Economies under EMU: Ireland and Spain”, **Thomas Conefrey**, **John Fitz Gerald**.

WP 306: “What Determines the Attractiveness of the European Union to the Location of R&D Multinational Firms?”, **Iulia Siedschlag**, **Donal Smith**, Camelia Turcu, **Xiaoheng Zhang**.

WP 305: “Do Foreign Mergers and Acquisitions Boost Firm Productivity?”, **Iulia Siedschlag**, **Marc Schiffbauer**, **Frances Ruane**.

INTERNATIONAL ECONOMICS (continued)

WP 279: “International Transmission of Business Cycles Between Ireland and its Trading Partners”, **Jean Goggin, Iulia Siedschlag**.

Papers Read to Conferences and Learned Societies

“Do Foreign Mergers & Acquisitions Boost Firm Productivity?”, presented at the Spring Meeting of Young Economists, April, **Marc Schiffbauer**, and at the Irish Economics Association Annual Conference, April, **Iulia Siedschlag**, and at the European Economics Association Congress, Barcelona, August, **Marc Schiffbauer, Iulia Siedschlag**.

“Exchange Rates and Producer Prices: Evidence from Micro Data”, Irish Economic Association Annual Conference, April, **Stefanie Haller**.

“Exporting, Importing, Intra-firm Trade and Firm Productivity”, presented at the 3rd Workshop of the International Study Group on Exports and Productivity, and the Annual European Trade Study Group Conference, Rome, September, **Stefanie Haller**.

“Exports, Ownership and Productivity Growth: A Decomposition Analysis”, Western Economic Association, Vancouver, June, **Frances Ruane**.

“Foreign Firms and Host-country Productivity: Does the Mode of Entry Matter?”, 4th ISGEP Workshop, University of Valencia, October, **Stefanie Haller**.

“The Dynamics of Multinationals Expansion in the European Pharmaceutical Industry”, The 24th European Economic Association Annual Congress, Barcelona, August, **Xiaoheng Zhang**.

“What Determines the Attractiveness of EU Regions to the Location of Multinational Firms in the ICT Sector?”, presented at the Vienna Institute for International Economic Studies, June, **Iulia Siedschlag**, and at the 36th European Association for Research in Industrial Economics (EARIE) Conference, Ljubljana, Slovenia, September, **Xiaoheng Zhang**.

“What Determines the Attractiveness of the European Union to Multinational R&D Firms?”, European Trade Study Group Annual Conference, Rome, September, **Donal Smith**.

ESRI Seminars

“Outsourcing and Firm Productivity in Irish Manufacturing”, Fergal McCann, School of Economics and Geary Institute, University College Dublin.

“Adapting the Knowledge-Capital Model of the Multinational Enterprise to Trade and Investment in Business Services,” James R. Markusen, University of Colorado at Boulder and University College Dublin.

“Do Agglomeration Economies Reduce the Sensitivity of Firm Location to Tax Differentials?”, Marius Brühlhart, University of Lausanne.

“Power and Plenty: Politics and Trade in the Very Long Run”, Kevin O’Rourke, Department of Economics, Trinity College Dublin.

“Tax Competition in an Expanding European Union”, Ronald B. Davies, School of Economics, University College Dublin.

TECHNOLOGY, INNOVATION AND PRODUCTIVITY

This research programme focused on three themes in 2009:

(a) *The Economic Impact of Information and Communication Technologies (ICT)*: Research in this area has taken place as part of an international research project funded by the **European Commission's Institute for Prospective Technological Studies**. The research team includes international and national experts from eleven European countries. Research in 2009 focused on an in-depth analysis of the consequences of ICT use and globalisation on regional economies. This analysis suggests the following key conclusions: the relationship between ICT, globalisation, elements of the regional innovation system and regional development is systemic; ICT is a key sector for regional development; ICT has a tendency towards spatial concentration; regional framework conditions and history matter. It appears that the level of regional development has conditioned the extent and the configuration of the interplay between globalisation, ICT and elements of the regional innovation system.

(b) *International Technology Spillovers and Productivity*. Research in this area is funded by the Directorate General Research of the **European Commission**. Our research shows that international technology spillovers can take place through a number of channels: *embodied technology* can be transmitted through international trade with goods and services, capital flows, and mobility of scientists; *disembodied technology* is diffused via international trade of technology. However, international technology diffusion is neither inevitable nor automatic. Empirical evidence suggests that international technology spillovers are conditioned by domestic R&D expenditure, human capital and the quality of institutions. Thus, domestic R&D expenditure has the potential to generate total factor productivity growth from both innovation and technology transfer. This effect is different for laggard

countries and technology leaders. Further research funded under the **EU 6th RTD Framework Programme** finds that the effects of foreign acquisitions on firm productivity are heterogeneous across industries.

(c) *Internationalisation of Firms and Productivity*. Research in this area, funded under the **Irish Research Council for the Humanities and Social Sciences**, focused on decomposing the sources of labour productivity growth. It finds that exporters are the dominant sources of productivity growth, with over 90 per cent of that growth coming from foreign-owned enterprises. This confirms the huge dependence of Irish manufacturing on foreign direct investment and the continuing poor productivity performance of indigenous firms. While restructuring in the Irish manufacturing sector has contributed to productivity growth, most productivity growth occurs within firms.

TECHNOLOGY, INNOVATION AND PRODUCTIVITY (continued)

Programme Coordinator: Iulia Siedschlag

Other members of staff working in this area include: Stefanie Haller, Edgar Morgenroth, Gavin Murphy, Frances Ruane, Marc Schiffbauer, Donal Smith, Richard S.J. Tol and Xiaoheng Zhang.

Project Title	Client/Funding Agency	Status	Researchers
Innovation in Services and its Impact on Enterprise Productivity	Grant in Aid	In progress	I. Siedschlag F. Ruane N. Killeen D. Smith
Platon+ – Strengthening the Role that Socio-Economic Sciences and Humanities have on the Development of the European Research Area	European Commission, DG Research, FP7	In progress	I. Siedschlag D. Smith X. Zhang
The Effects of R&D Investment and Innovation Output on Productivity in the Enterprise Sector in Ireland	Forfás	In progress	I. Siedschlag X. Zhang
The Knowledge Economy, Economic Transformations and ICT in the EU25+: Regional Dynamics in the Deployment Phase	European Commission, DG Joint Research Centre	Completed	I. Siedschlag D. Smith X. Zhang

Journal Articles and Chapters in Books

“Assessing the Impact of Skill Shortages on the Productivity Performance of High-tech Firms in Northern Ireland”, *Applied Economics*, Vol. 41, Issue 6, March 2009, pp. 727-737, Jessica Bennett, **Seamus McGuinness**.

Reports and Other Publications

European Research Area Indicators and Monitoring, Expert Group Report, Publications Office of the European Union, Luxembourg, Rémi Barre, Pierre Regibeau, Benedetto Lepori, **Iulia Siedschlag**, Horts Soboll, Michael Tubbs, Reinhilde Veugelers, Ward Ziarko.

ESRI Working Papers

WP 336: “What Determines the Location Choice of Multinational Firms in the ICT Sector?”, **Iulia Siedschlag, Xiaoheng Zhang, Donal Smith**.

WP 330: “Measuring International Technology Spillovers and Progress Towards the European Research Area”, **Iulia Siedschlag**.

WP 305: “Do Foreign Mergers and Acquisitions Boost Firm Productivity?”, **Iulia Siedschlag, Marc Schiffbauer, Frances Ruane**.

TECHNOLOGY, INNOVATION AND PRODUCTIVITY (continued)

WP 297: “Exporting and Ownership Contributions to Irish Manufacturing Productivity Growth”, Anne Marie Gleeson, **Frances Ruane**.

Papers Read to Conferences and Learned Societies

“International Technology and Industrial Spillovers: Indicators and Data Development”, European Commission, DG Research, March, **Iulia Siedschlag**.

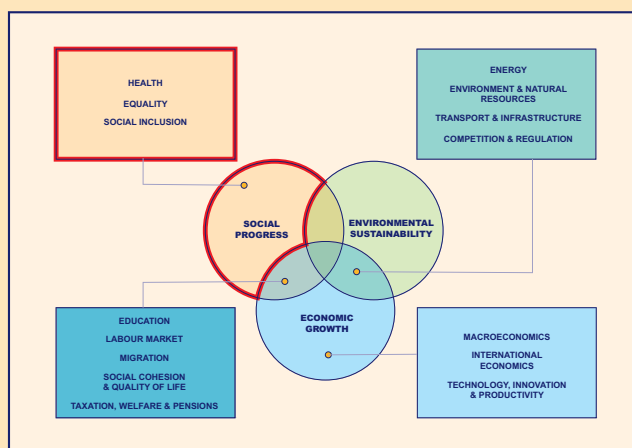
“The Knowledge Economy, Economic Transformations and ICT in EU25+: Lessons for Future Prospects and Policy Implications in the EU”, European Commission, DG Joint Research Centre, October, **Iulia Siedschlag**.

ESRI Seminars

“Industrial Clusters and Competitiveness”, Paul Ryan and Majella Giblin, Centre for Innovation and Structural Change, National University of Ireland Galway.



Mary Finan (Chairman) with James Poterba (Massachusetts Institute of Technology) who delivered the 2009 Geary Lecture.



There are three programmes of research under Social Progress:

- **Equality**
(coordinated by Dr Helen Russell and Dr Frances McGinnity);
- **Social Inclusion**
(coordinated by Dr Helen Russell); and
- **Health**
(coordinated by Professors Richard Layte and Professor Miriam Wiley).

EQUALITY

ESRI research on Equality investigates inequalities in opportunities and in outcomes, exploring the processes that lead to inequality. The research has a strong policy focus, assessing the role of public policies in underpinning or reducing inequalities.

The main body of research in this area is carried out as part of the *Research Programme on Equality and Discrimination*, funded by the **Equality Authority**. This programme seeks to investigate the social situation of groups covered by the nine grounds of the Equality Legislation (gender, marital status, family status, sexual orientation, religion, age, disability, ethnicity and membership of the Traveller community), and establish the extent of discrimination experienced by these groups.

Three further studies were published in 2009:

- McGinnity *et al.*, *Discrimination in Recruitment: Evidence from a Field Experiment*.
- McGuinness *et al.*, *The Gender Wage Gap in Ireland: Evidence from the National Employment Survey 2003*.

- Russell *et al.*, *A Woman's Place: Female Participation in the Irish Labour Market*.

A final project on multiple inequalities drawing on data from the *2006 Census of Population* was initiated at the end of 2008 and will be published in 2010.

The studies highlight both emergent and long-standing challenges to achieving equality of opportunity in Ireland. The research shows that changes in Irish society have led to new inequalities, for example, among immigrants and minority ethnic groups but these co-exist beside 'old risks' such as disability, age and gender. The results from the research programme will be showcased at an EU-funded conference on *Measuring Discrimination*, to be held in Dublin in 2010.

A study of pregnancy-related discrimination in the workplace was commissioned by the **Crisis Pregnancy Agency** at the end of 2008. During 2009 two reports were completed as part of the project; the first was a review of the literature

EQUALITY (continued)

relating to employment during pregnancy and the second contained an analysis of the legal cases relating to Pregnancy Discrimination based on the caseloads of the Equality Tribunal, Labour Court and Employment Appeals Tribunal over the last ten years. As part of the project, a national postal survey of women with young children was carried out in Autumn 2009. The survey explored women's experiences at work during and after pregnancy,

and achieved a sample of 2,321 respondents. A report based on the analysis of these data will be produced in 2010.

Work on gender differentials in the labour market and in the division of labour within the households was also carried out as part of the EQUALSOC network. Papers on equality issues were presented at international and national conferences.

Programme Coordinators: Helen Russell and Frances McGinnity

Other members of staff whose work has an equality dimension include: Delma Byrne, Tim Callan, Emma Calvert, Merike Darmody, Corona Joyce, Claire Keane, Elish Kelly, Richard Layte, Pete Lunn, Bertrand Maître, Selina McCoy, Seamus McGuinness, Anne Nolan, Philip J. O'Connell, Emma Quinn, Emer Smyth, Dorothy Watson and Christopher T. Whelan.

Project Title	Client/Funding Agency	Status	Researchers
Research Programme on Equality and Discrimination	The Equality Authority	Projects (i) to (vi): Completed	H. Russell F. McGinnity T. Callan E. Calvert
(i) Experience of Discrimination in Ireland: Analysis of QNHS Equality Module		Project (vii): In progress	C. Keane E. Kelly P. Lunn
(ii) Inequalities in Time-Use: Gender and Caring			S. McGuinness R. King O'Riain (NUIM)
(iii) Ethnic Minorities and Immigrants in the Workplace			J. Nelson P.J. O'Connell E. Quinn
(iv) The Gender Pay Gap: Examining the Latest Evidence on Gender Pay Differentials in Ireland			D. Watson
(v) Discrimination in Recruitment: A field experiment approach			
(vi) Labour Market Equality: Female Participation in the Paid Labour Market			
(vii) Multiple Inequalities: An Analysis of Census 2006 Data			

EQUALITY (continued)

Project Title	Client/Funding Agency	Status	Researchers
Women's experiences of pregnancy at work with a view to assessing levels of pregnancy related discrimination in Ireland – Stage 1 and Stage 2	Crisis Pregnancy Agency	Stage 1: Completed Stage 2: In progress	H. Russell D. Watson J. Banks Partner – Amárach Research

Journal Articles and Chapters in Books

“Class and Poverty: Cross-Sectional and Dynamic Analysis of Income Poverty and Lifestyle Deprivation”, E. Rose and D. Harrison (eds.), *Social Class in Europe: An Introduction to the European Socio-Economic Classification*, **Dorothy Watson, Christopher T. Whelan, Bertrand Maître**.

“Europeanization of Inequality and European Reference Groups”, *Journal of European Social Policy*, Vol. 19, No 2, 2009, pp. 117-130, **Christopher T. Whelan, Bertrand Maître**.

“Work-Life Conflict and Social Inequality in Western Europe”, *Social Indicators Research*, Vol. 93, No. 3, September 2009, pp. 489-508, **Frances McGinnity, Emma Calvert**.

ESRI Research Bulletins

“Did Ireland become More Unequal during the Boom?”, ESRI Research Bulletin 2009/2/4, ESRI, Dublin, **Seamus McGuinness, Frances McGinnity, Philip J. O’Connell**.

Reports and Other Publications

Adapting to Diversity: Irish Schools and Newcomer Students, ESRI Research Series 8, ESRI, Dublin, **Emer Smyth, Merike Darmody, Frances McGinnity, Delma Byrne**.

Discrimination in Recruitment: Evidence from a Field Experiment, The Equality Authority and ESRI, **Frances McGinnity, Jacqueline Nelson, Pete Lunn, Emma Quinn**.

“Comparing Work-Life Conflict in Europe: Evidence from the European Social Survey”, *Social Indicators*

Research, Vol. 93, No. 3, September (II) 2009, **Frances McGinnity and Christopher T. Whelan** (eds).

The Gender Wage Gap in Ireland: Evidence from the National Employment Survey 2003, The Equality Authority, Dublin, **Seamus McGuinness, Elish Kelly, Tim Callan, Philip J. O’Connell**.

ESRI Working Papers

WP 317: “Assessing the Impact of Wage Bargaining and Worker Preferences on the Gender Pay Gap in Ireland Using the National Employment Survey 2003”, **Seamus McGuinness, Elish Kelly, Philip J. O’Connell, Tim Callan**.

WP 312: “Did the Celtic Tiger Decrease Socio-Economic Differentials in Perinatal Mortality in Ireland?”, **Richard Layte, Barbara Clyne**.

Papers Read to Conferences and Learned Societies

“Equality and Discrimination in the Irish Labour Market”, Equality Authority Conference ‘Promoting Equality and Accommodating Diversity in Further Education, Training and Labour Market Programmes’, November, **Helen Russell**.

“Gender and Unpaid Work in Ireland: A Time-use Study”, EQUALSOC Workshop on ‘Tilting the Housework Triangle’, University of Oxford, September, **Helen Russell**.

SOCIAL INCLUSION

As part of the rural programme for the **Office for Social Inclusion (OSI)**, researchers at the ESRI were involved in two main studies:

- (a) A comparative study “Poverty and Deprivation in Ireland in Comparative Perspective” involving an analysis of data from the EU Statistics on Income and Living Conditions (EU-SILC) survey was completed in 2009. This report explores issues in relation to the multidimensional approach to poverty and social exclusion measurement in Ireland and other EU member states. The findings of the project were published in the ESRI Research Series in 2009.
- (b) A report entitled *Monitoring Poverty: Analysis of the EU SILC 2004 to 2007* was submitted to the Social Inclusion Division at the Department of Social and Family Affairs. The study tracks the level and distribution of poverty in Ireland over the period of labour market expansion and increased welfare spending. It also assesses the influence of a range of key factors such as household composition, labour market position, social background and individual characteristics (e.g., health status, sex, nationality, interaction with the welfare system, and regional location).

Throughout 2009 research relating to social inclusion at the national and European levels, arising from the OSI programme and the ESRI's involvement in the EU EQUALSOC Network of Excellence, was presented at international conferences and published in a range of leading international journals.

Two EQUALSOC conferences on the theme of social inclusion and income inequality were held in the ESRI during 2009. The Income Distribution, Consumption and Income Mobility (INCDIS) thematic group organised a two-day workshop at the ESRI in Dublin in March 2009. The purpose of this workshop was to evaluate the potential of

the EU-SILC 2005 intergenerational transmission of poverty module. Seventeen participants from various institutes (ESRI, UCD, Universitat Pompeu Fabra, University of Trento, Tilburg University, MZES, CNRS, Centre for Social Policy) contributed to this workshop and presented their work on education, social class and income. The findings presented at the conference have been put together in a document which is available on the EQUALSOC web site (http://www.equalsoc.org/cpages/tag_data/89).

The second INCDIS conference took place on 10-11 November 2009. During the two days, researchers from seven international institutes presented work on income inequality, deprivation, poverty measurement and intergenerational mobility.



Helen Russell, Tim Callan and Claire Keane at the launch of “A Woman’s Place: Female Participation in the Irish Labour Market”, November 2009.

SOCIAL INCLUSION (continued)

Programme Coordinator: Helen Russell

Members of staff working in this area include: Richard Layte, Pete Lunn, Bertrand Maître and Dorothy Watson.

Project Title	Client/Funding Agency	Status	Researchers
Analytical Report on Social Exclusion	European Foundation for the Improvement of Living and Working Conditions	Completed	R. Layte B. Maître C. T. Whelan (UCD) T. Fahey (UCD)
Dynamic and Multidimensional Perspectives on Income Poverty and Deprivation	European Commission, DG Research, FP6 - funded under the EqualSoc Network	In progress	C.T. Whelan (UCD) B. Maître
Income Distribution (INCDIS)	European Commission, DG Research, FP6 - funded under the EqualSoc Network	In progress	C.T. Whelan (UCD) B. Nolan (UCD) R. Layte B. Maître
Intergenerational Transmission of Self-Efficacy	European Commission, DG Research, FP6 - funded under the EqualSoc Network	In progress	D. Watson
Minimum Income Protection Indicators (MIPI)	European Commission, DG Research, FP6 - funded under the EqualSoc Network	In progress	B. Maître
Poverty and Deprivation in Ireland in Comparative Perspective	Office for Social Inclusion	Completed	C.T. Whelan (UCD) B. Maître
Social Portraits of Vulnerable Groups	Office for Social Inclusion	In progress	B. Nolan (UCD) C.T. Whelan (UCD) B. Maître D. Watson H. Russell
The Impact of Choice of Equivalence Scale on Cross-national Comparisons of Poverty Risk	European Commission, DG Research, FP6 - funded under the EqualSoc Network	In progress	D. Watson B. Nolan (UCD) C.T. Whelan (UCD) B. Maître, D. Kutsar (U Tartu, Estonia), E. Tiit (U Tartu, Estonia)

SOCIAL INCLUSION (continued)

Journal Articles and Chapters in Books

“Class and Poverty: Cross-Sectional and Dynamic Analysis of Income Poverty and Lifestyle Deprivation”, E. Rose and D. Harrison (eds.), *Social Class in Europe: An Introduction to the European Socio-Economic Classification*, **Dorothy Watson, Christopher T. Whelan, Bertrand Maître**.

“Comparing Poverty Indicators in an Enlarged European Union”, *European Sociological Review*, 2009, **Christopher T. Whelan, Bertrand Maître**.

“Europeanization of Inequality and European Reference Groups”, *Journal of European Social Policy*, Vol. 19, No 2, 2009, pp. 117-130, **Christopher T. Whelan, Bertrand Maître**.

“The “Europeanisation” of Reference Groups”, *European Societies*, Vol. 11, No. 2, May 2009, pp. 283-309, **Christopher T. Whelan, Bertrand Maître**.

ESRI Research Bulletins

“Europeanisation of Reference Groups”?, ESRI Research Bulletin 2009/3/2, ESRI, Dublin, **Christopher T. Whelan, Bertrand Maître**.

Reports and Other Publications

A Social Portrait of Communities in Ireland, Office for Social Inclusion, Brian Nolan, **Bertrand Maître**.

Growing Up in Ireland - National Longitudinal Study of Children: The Lives of 9-Year-Olds - Report 1, The Stationery Office/Office of the Minister for Children and Youth Affairs, Dublin, **James Williams, Sheila Green, Erika Doyle, Elaine Harris, Richard Layte, Selina McCoy, Cathal McCrory, Aisling Murray, Elizabeth Nixon, Tom O'Dowd, Mona O'Moore, Amanda Quail, Emer Smyth, Maeve Thornton**.

Poverty and Deprivation in Ireland in Comparative Perspective, ESRI Research Series 11, ESRI, Dublin, **Bertrand Maître, Christopher T. Whelan**.

ESRI Working Papers

WP 303: “Welfare Regime and Social Class Variation in Poverty and Economic Vulnerability in Europe: An Analysis of EU-SILC”, **Christopher T. Whelan, Bertrand Maître**.

WP 302: “Understanding the Socio-Economic Distribution and Consequences of Patterns of Multiple Deprivation: An Application of Self-Organising Maps”, Christopher T. Whelan, Mario Lucchini, Maurizio Pisati, **Bertrand Maître**.

WP 286: “Mapping Patterns of Multiple Deprivation Using Self-Organising Maps: An Application to EU-SILC Data for Ireland”, Maurizio Pisati, **Christopher T. Whelan, Mario Lucchini, Bertrand Maître**.

WP 283: “Accounting for Taste: An Examination of Socioeconomic Gradients in Attendance at Arts Events”, **Pete Lunn, Elish Kelly**.

Papers Read to Conferences and Learned Societies

“Comparing Poverty Indicators in an Enlarged EU”, The European User Conference for EU-LFS and EU-SILC 1st European User Conference, German Microdata Lab, GESIS, in cooperation with Eurostat, Mannheim, Germany, March, **Bertrand Maître**.

“Economic Change, Inequality and Social Inclusion in Europe, ‘Europeanisation of inequality and European reference groups’”, Joint Policy Conference European Commission DG RTD - DG EMPL EQUALSOC Network of Excellence, Brussels, February.

“The Association between Income Inequality and Mental Health: Social Cohesion or Social Infrastructure?”, presented at the Conference on ‘Social Cohesion and Inequality’, University of Trento, October, **Richard Layte** and at the EQUALSOC INCDIS Workshop, ESRI, November, **Richard Layte, Bertrand Maître**.

SOCIAL INCLUSION (continued)

“Welfare Regime and Social Class Variation in Poverty and Economic Vulnerability in Europe: An Analysis of EU-SILC”, ECSR Conference Changing Societies in the Context of an Enlarged EU, Paris, December, Christopher T. Whelan, **Bertrand Maître**.

CHILD COHORT
JULY 2009

GROWING UP IN IRELAND

KEY FINDINGS: 9-YEAR-OLDS

NO. 2
THE FAMILIES OF 9-YEAR-OLDS

INTRODUCTION
This is the second in a series of Key Findings from the *Growing Up in Ireland* study. It summarises some of the facts about 9-year-olds and their families.

The family is one of the main influences on a child's development. The more supportive the family, the better the outcomes for the child are likely to be. 'The family' means more than just the size and composition of the household in which the child lives. It includes the complex inter-relationships between members of the household, such as those between the parent(s) and the child, and parenting practices and discipline within the family.

Four aspects of the families of 9-year-olds in Ireland are discussed: (i) the size and structure of families and their income levels; (ii) the impact of work on family life; (iii) parenting styles and (iv) discipline in the family.

Message from the Minister
I welcome the publication of the 'Families of 9-Year-Olds'. This is one of a series of Key Findings documents drawn from *Growing Up in Ireland* - the National Longitudinal Study of Children. These documents are designed to provide data and information on children in Ireland in an easily understood manner and should be useful to members of the public as well as policy makers.

The publication of this document would not be possible without the commitment and contribution from parents, teachers, principals and children themselves, all of whom have generously given their time to participate in *Growing Up in Ireland*. I would like to thank them all for their involvement in this very important study.

Barry Andrews TD
Minister for Children

An Irish Government Funded Initiative

HEALTH

Research on a range of issues around health and healthcare continued in 2009. This research built on the ESRI's high quality databases including the Hospital In-patient Enquiry, National Perinatal Reporting System as well as a range of large social surveys including the Growing Up in Ireland Cohort Survey, Slán Health and Lifestyle Survey 2007 and the Sports Monitor.

In October 2009, Ms Mary Harney, TD, Minister for Health and Children launched a half day conference at the Institute to present the findings of the ESRI/TCD study on *The Impact of Demographic Change on the Demand for and Delivery of Health Care in Ireland*, which was funded by the **Health Research Board** and the **Health Service Executive**.

Also in October, the first report from the *Growing Up in Ireland* study was launched at Dublin Castle. The report presented analyses from the first wave of the cohort of over 8,500 nine year old children including patterns of health and health care utilisation.

A paper on *Comparisons of Class Differentials in Perinatal Mortality Between the 1980s and 2000s* examined whether the inequality in perinatal mortality rates between higher and lower social classes in Ireland had changed between the 1980s and 2000s. It found that the differential between professional and unskilled/unemployed groups had decreased from 1.99 in 1984 to 1.88 in 2006.

The Public/Private Mix in Irish Acute Public Hospitals: Trends and Implications. Research on the mix of public and private practice in Irish hospitals and its impact on the pattern of use of hospital services has found that both demand and supply-side factors help explain the ratio of private to public discharges across hospitals and over time. Private discharges have higher levels of utilisation of surgical procedures, even though

the level of comorbidity does not appear to be any greater for this group, while 'excess utilisation' of public hospital facilities by private discharges, in particular, increased over the period of the study.

An examination of the factors affecting where patients receive treatment was presented in *How Local is Hospital Treatment? An Exploratory Analysis of Public/Private Variation in Location of Treatment in Irish Acute Public Hospitals*. Private patients are slightly more likely to be treated outside their county of residence than their public counterparts. As private day patients tend to have a slightly greater propensity to travel for acute public hospital treatment, further research is required to identify the reasons, as well as the consequences for public and private patients resident in the source and destination counties.

Trends in Caesarean Section in Ireland 1999-2006 explores levels and trends in the caesarean section delivery rate in Ireland. Over the period of study the caesarean section rate increased by almost one-quarter. Using data from the Irish National Perinatal Reporting System the contribution of maternal, birth/infant and hospital characteristics on the rise in the caesarean section rate over the period was analysed.

Deaths from circulatory and respiratory causes among older age groups in Ireland fell sharply between 1995 and 2005 as did the seasonality of deaths from these causes. *Explaining Structural Change in Cardiovascular Mortality in Ireland 1995-2005: A Time Series Analysis* shows that there was a change in mortality patterns in those aged 65 or more and that this change could be statistically accounted for by changes in the pattern of prescribing for cardiovascular medications plus a rise in eligibility for free primary care through the medical card system.

Consultation Charges and General Practitioner Use Among Older Irish People sought to examine

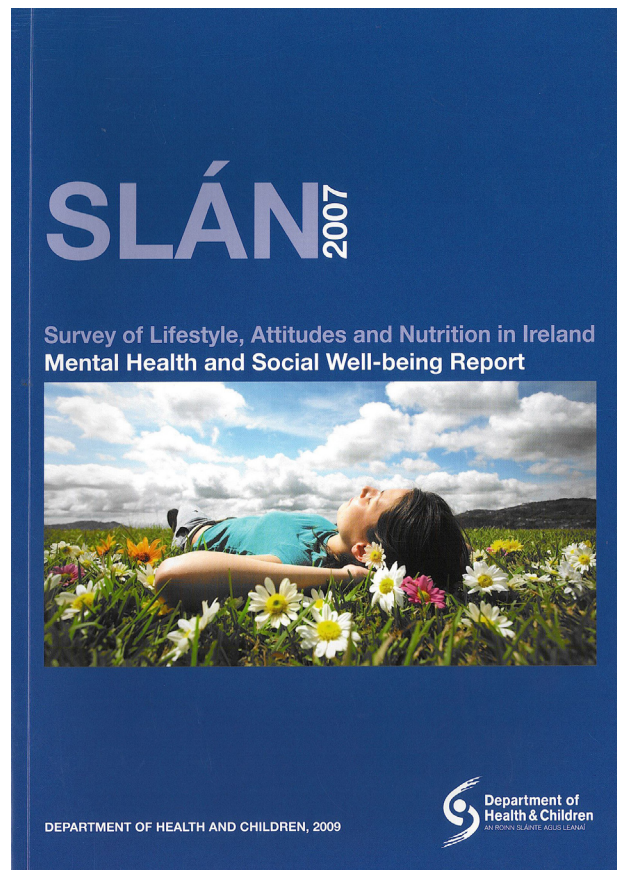
whether the availability of medical cards for those aged over 70 years in Ireland after July 2001 led to an increase in the utilisation of GP services among this group. It showed that, while there is some limited evidence in favour of an increase in the probability of seeking GP services after the policy change, there is no significant effect on the frequency of visits. This can be explained by differences in the incentives facing both patients and GPs after the policy change.

Research on primary care in Ireland continued in 2009. Using data from the HIPE system, an analysis of *Eligibility for Free Primary Care and Avoidable Hospitalisations in Ireland* examined the determinants of avoidable hospitalisations in Ireland, with a particular focus on the role of eligibility for free primary health care. The issue is particularly relevant for Ireland, where access to free primary care is restricted to those on low incomes (with approximately 30 per cent of the population currently eligible). The results indicate that eligibility for free GP services, as well as GP availability, is significant in explaining the probability of being in hospital with an avoidable condition.

A project estimating the *Cost of Stroke in Ireland* was funded by the **Irish Heart Foundation** and undertaken in collaboration with the RCSI. Stroke is a leading cause of death and disability worldwide. Patients who survive an acute stroke episode are often left with some degree of disability and many become dependent on care givers. This study adopts a prevalence-based approach to estimating the economic burden of stroke and transient ischaemic attack in Ireland and builds on The Irish National Audit of Stroke Care previously undertaken by the RCSI/IHF.

As part of the European Observatory's series on *Health Systems in Transition*, a report on Ireland (*Ireland: Health System Review*) was published in December. This study presents a detailed description of the Irish health system and related

policy initiatives. It describes the institutional framework and reviews approaches to organisation, financing and delivery of health services.



Social Progress

HEALTH (continued)

Programme Coordinators: Richard Layte and Miriam M. Wiley

Other members of staff who work in this area include: Sheelagh Bonham, Aoife Brick, Jacqui Curley, Brian McCarthy, Cathal McCrory, Aisling Mulligan, Deirdre Murphy, Aisling Murray, Anne Nolan, Cliona O'Donovan, Sinead O'Hara, Jacqueline O'Reilly, Maeve Thornton, Amanda Quail.

Project Title	Client/Funding Agency	Status	Researchers
The Impact of Demographic Change on Demand for and Delivery of Health Services	Health Research Board	In progress	R. Layte M. M. Wiley J. O'Reilly E. Morgenroth C. Normand (TCD) S. Thomas (TCD) K. Bennett (TCD) M. Wren

Major National Health Data Programmes

Project Title	Client/Funding Agency	Status	Researchers
Hospital In-Patient Enquiry (HIPE)	Health Service Executive	In progress	M.M. Wiley A. Brick J. Curley P. Dunne T. Dymott M. Glynn J. Hunter R. Joyce S. Kenny B. McCarthy S. McDermott M. McKenna A. Mulligan D. Murphy C. O'Donovan S. O'Hara J. O'Reilly E. Sexton S. Smyth
National Perinatal Reporting Scheme (NPRS)	Health Service Executive	In progress	S. Bonham B. Clyne C. Glennon A. Lewandowska I. Nowacka

HEALTH (continued)

Journal Articles and Chapters in Books

“Acute Public Hospital Services: Challenges for Reform in the Context of the ‘Preferred Health System’”, **R. Layte** (ed.), *Projecting the Impact of Demographic Change on the Demand for and Delivery of Health Care in Ireland*, **Jacqueline O’Reilly, Aoife Brick, Miriam M. Wiley**.

“Analysing Equity in Health Care Financing: A Flow of Funds Approach”, *Social Science & Medicine*, Vol. 69, No. 3, August 2009, pp. 379-386, **Samantha Smith**, Charles Normand.

“Conclusions and Implications”, **R. Layte** (ed.), *Projecting the Impact of Demographic Change on the Demand for and Delivery of Health Care in Ireland*, **Richard Layte**.

“Do Consultation Charges Deter General Practitioner Use Among Older People? A Natural Experiment”, *Social Science & Medicine*, Vol. 68, Issue 8, April 2009, pp. 1432-1438, **Richard Layte, Anne Nolan**, Hannah McGee, Ann Hanlon.

“General Practitioner Care”, **R. Layte** (ed.), *Projecting the Impact of Demographic Change on the Demand for and Delivery of Health Care in Ireland*, Stephen Thomas, **Richard Layte**.

“Outpatient Services”, **R. Layte** (ed.), *Projecting the Impact of Demographic Change on the Demand for and Delivery of Health Care in Ireland*, **Richard Layte**.

“The Complex Task of Projecting the Demand for and Delivery of Health Care”, **R. Layte** (ed.), *Projecting the Impact of Demographic Change on the Demand for and Delivery of Health Care in Ireland*, **Richard Layte, Edgar Morgenroth**, Charles Normand.

ESRI Research Bulletins

“Coping with Population Change in Ireland: The Implications for Health Care”, ESRI Research Bulletin 2009/4/3, ESRI, Dublin, **Richard Layte**.

“Drinking Water Quality”, ESRI Research Bulletin 2009/2/3, ESRI, Dublin, **Nicola Commins, Seán Lyons, Richard S. J. Tol**.

“Improving Access to Primary Care in Ireland: Do GP Charges Matter!?” ESRI Research Bulletin 2009/2/1, ESRI, Dublin, **Richard Layte, Anne Nolan**.

“The Irish ‘Health Basket’: An International Perspective”, ESRI Research Bulletin 2009/4/4, ESRI, Dublin, **Samantha Smith**.

Reports and Other Publications

Activity in Acute Public Hospitals in Ireland, 2007 Annual Report, ESRI Survey and Statistical Report Series 16, ESRI, Dublin, **Health Research and Information Division**.

Equity in Health Care: A View from The Irish Health Care System. An Adelaide Health Policy Brief, The Adelaide Hospital Society, **Samantha Smith**.

Growing Up in Ireland - National Longitudinal Study of Children: The Lives of 9-Year-Olds - Report 1, The Stationery Office/Office of the Minister for Children and Youth Affairs, Dublin, **James Williams, Sheila Green, Erika Doyle, Elaine Harris, Richard Layte, Selina McCoy, Cathal McCrory, Aisling Murray**, Elizabeth Nixon, Tom O’Dowd, Mona O’Moore, **Amanda Quail, Emer Smyth, Maeve Thornton**.

Health Systems in Transition, 2009, Vol. 11, No. 4, David McDaid, **Miriam M. Wiley**, Anna Maresso, Elias Mossialos.

Perinatal Statistics Report 2007, ESRI Survey and Statistical Report Series 17, ESRI and Department of Health and Children, Dublin, **Health Research and Information Division**.

Projecting the Impact of Demographic Change on the Demand for and Delivery of Health Care in Ireland, ESRI Research Series 13, ESRI,

HEALTH (continued)

Dublin, **Richard Layte**, Michael Barry, Kathleen Bennett, **Aoife Brick**, **Edgar Morgenroth**, Charles Normand, **Jacqueline O'Reilly**, Stephen Thomas, Leslie Tilson, **Miriam M. Wiley**, Maev-Ann Wren.

SLÁN 2007: Survey of Lifestyle, Attitudes and Nutrition in Ireland. Alcohol Use in Ireland: A Profile of Drinking Patterns and Alcohol-related Harm from SLÁN 2007, Department of Health and Children/The Stationery Office, Dublin, Karen Morgan, Hannah McGee, Patrick Dicker, Ruairí Brugha, Mark Ward, Emer Shelley, Eric Van Lente, Janas Harrington, Margaret Barry, Ivan Perry, **Dorothy Watson**.

SLÁN 2007: Survey of Lifestyle, Attitudes and Nutrition in Ireland. Injuries in Ireland: Findings from National Population Surveys, Department of Health and Children/The Stationery Office, Dublin, Michal Molcho, Margaret Barry, Eric Van Lente, Hannah McGee, Karen Morgan, Ronan Conroy, **Dorothy Watson**, Ivan Perry, Janas Harrington.

SLÁN 2007: Survey of Lifestyle, Attitudes and Nutrition in Ireland. Mental Health and Social Well-being Report, Department of Health and Children/The Stationery Office, Dublin, Margaret Barry, Eric Van Lente, Michal Molcho, Karen Morgan, Hannah McGee, Ronan Conroy, **Dorothy Watson**, Emer Shelley.

The Irish Sports Monitor, First Annual Report 2007, ESRI and The Irish Sports Council, **Pete Lunn**, **Richard Layte**, **Dorothy Watson**.

ESRI Working Papers

WP 312: "Did the Celtic Tiger Decrease Socio-Economic Differentials in Perinatal Mortality in Ireland?", **Richard Layte**, **Barbara Clyne**.

WP 309: "Recent Trends in the Caesarean Section Rate in Ireland 1999-2006", **Aoife Brick**, **Richard Layte**.

WP 300: "Explaining Structural Change in Cardiovascular Mortality in Ireland 1995-2005: A Time Series Analysis", **Richard Layte**, **Sinead O'Hara**, Kathleen Bennett.

WP 296: "Eligibility for Free Primary Care and Avoidable Hospitalisations in Ireland", **Anne Nolan**.

WP 275: "Projecting the Future Numbers of Migrant Workers in the Health and Social Care Sectors in Ireland", **Alan Barrett**, Anna Rust.

Papers Read to Conferences and Learned Societies

"Analysing Equity in Irish Health Care Financing: a Flow of Funds Approach", Irish Economic Association Conference, April, **Samantha Smith**.

"Childhood Diabetes and Obesity from the *Growing Up in Ireland* Study", Conference on Childhood Diabetes and Obesity, The Children's Research Centre, Our Lady's Children's Hospital, Crumlin, November, **James Williams**.

"Clinical Coding as a Profession", Health Services Journal Clinical Coding Forum London, June, **Deirdre Murphy**.

"Coping with Demographic Change: Inter-Sectoral Challenges", "Demographic and Epidemiological Change in Ireland to 2021", "Outpatient Care in Ireland to 2021", and "General Practice in Ireland: Future Demand for Services and Supply of GPs", HRB Report Launch Conference, October, **Richard Layte**.

"Day and Inpatient Services in Acute Public Hospitals", HRB Report Launch Conference, October, **Miriam M. Wiley**.

"Did the Celtic Tiger Decrease Socio-Economic Differentials in Perinatal Mortality in Ireland?", Sociology of Health and Illness Conference, September, **Richard Layte** and **Barbara Clyne**.

HEALTH (continued)

Discussant for “Double Coverage and Demand for Health Care - Evidence from Quantile Regression”, 18th European Workshop on Health Economics and Econometrics, Sardinia, September, **Anne Nolan**.

“Do Consultation Charges Deter GP Visiting Among Older People? A Natural Experiment”, Irish Centre for Social Gerontology Seminar, NUI Galway, May, **Anne Nolan**.

“Explaining Structural Change in Cardiovascular Mortality in Ireland 1995-2005: A Time Series Analysis”, Research Seminar Series of Royal College of Surgeons, June, **Richard Layte**, **S. O’Hara**, K. Bennett.

“Presentation on Casemix” to Patient Classification Systems Summer School, Avignon, Patient Classification Systems International, June, **Miriam M. Wiley**.

“Recent Trends in Caesarean Section in Ireland 1999-2006”, Annual Meeting of the Health Economics Association of Ireland, October, **Aoife Brick**, **Richard Layte**.

“Recruitment and Informed Consent in the *Growing Up in Ireland* project”, European Child Cohort Network (EUCCONET), February, **James Williams**.

“The Health of Nine-Year-olds”, *Growing Up in Ireland* Research Conference, December, Tom O’Dowd, **Richard Layte**.

“The Healthy Immigrant Effect: Evidence for Ireland”, Irish Economics Association Conference, April, **Anne Nolan**.

ESRI Seminars

“Globalisation, Markets and Health Care Policy: Redrawing the Patient as Consumer”, Jonathon Titter, Institute of Governance and Public Management, Warwick Business School.

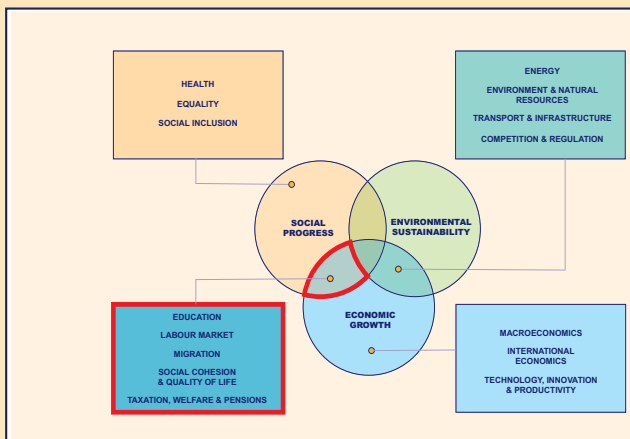
“Attitudes Towards Domestic Abuse in Ireland”, Justine Horgan, Cosc (the National Office for the Prevention of Domestic, Sexual and Gender-based Violence) and Peter Muhlau, Trinity College Dublin.

“Equity in Irish Health Care: What Do We Really Mean?” **Samantha Smith**.



Jacqueline O’Reilly, Richard Layte and Miriam M. Wiley with Mary Harney TD (Minister for Health and Children) at the Conference on “The Impact of Demographic Change on the Demand for and Delivery of Healthcare in Ireland to 2021”, 21 October 2009.

Economic Growth and Social Progress



Given the integrated approach to economic and social policy in Ireland and the growing awareness of their interrelatedness in the EU, it is not surprising that quite a large amount of ESRI research takes place in the interface between these two domains. Five research programme areas fall under this category of research:

- **Education**
(coordinated by Professor Emer Smyth);
- **Labour Market**
(coordinated by Professor Philip J. O'Connell);
- **Migration**
(coordinated by Professor Alan Barrett);
- **Social Cohesion and Quality of Life**
(coordinated by Dr Helen Russell); and
- **Taxation, Welfare and Pensions**
(coordinated by Professor Tim Callan).

EDUCATION

ESRI's Post-Primary Longitudinal Study (PPLS), funded by the **National Council for Curriculum and Assessment (NCCA)** and the **Department of Education and Science (DES)** continued throughout 2009. This study is the first of its kind in Ireland and explores student experiences as they move through the schooling system. During 2009, analyses were carried out on the experiences of fifth and sixth year students. Two supplementary projects, looking at parental perceptions of the schooling system and early school leaving among the student cohort, were also conducted. Members of the education team also contributed to the first major report based on the *Growing Up in Ireland* study.

A large-scale study of newcomer (immigrant) students in primary and post-primary schools, funded by the **Department of Education and**

Science, was published in June as *Adapting to Diversity*. This study combined a survey of primary and second-level principals with detailed case studies of the experiences of schools with different proportions of immigrant students. This study highlighted issues for policy development and was drawn on extensively in the recent OECD review of migrant education in Ireland.

In the Irish context, education is found to be highly predictive of later life-chances. *Investing in Education*, funded by **Barnardos**, traced the costs to individuals and society of early school leaving in terms of employment chances, welfare dependency, lone parenthood and crime.

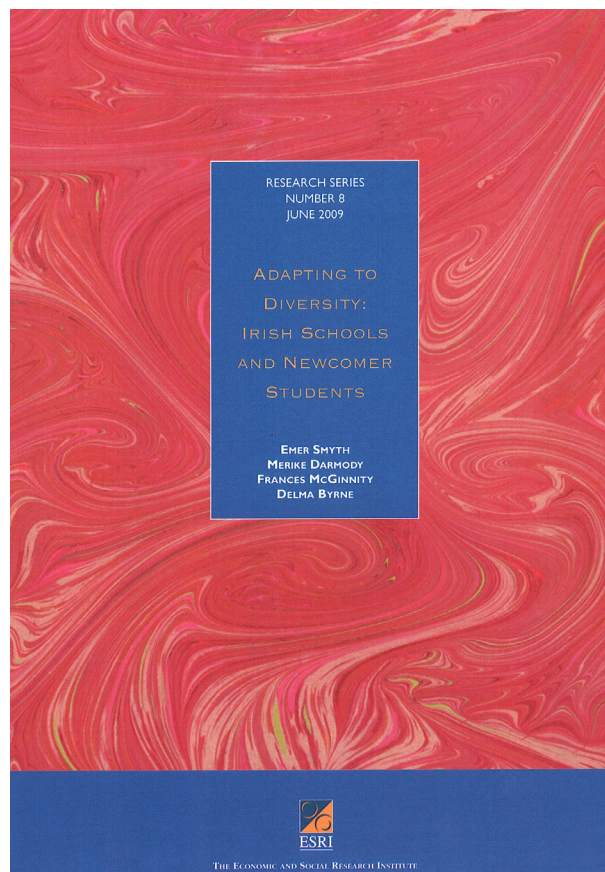
ESRI research has focused also on the pathways taken by young people after leaving school. March saw the publication of the findings of the 2007 National Survey of School Leavers. This study

provided invaluable information on young people's pathways into further education and the labour market in changing economic circumstances.

A large-scale study funded by the **Higher Education Authority** (HEA) explored the reasons for low participation in higher education among the children of non-manual workers. This study is designed to contribute to informing policy in relation to increasing equity in educational participation. The HEA also funded a study of the costs of participating in higher education for previously under-represented groups, which contributes to some of the current debates on the funding of higher education.

During 2009, work continued on a large-scale **European FP7**-funded project on the relationship between religion and schooling. The study explores the communication of religious and secular beliefs and values through the education system and the family and is part of a collaborative project involving University College Dublin as well as institutions in Belgium (Flanders), Germany, Malta, Scotland and Italy. In addition, members of the education team were active in the **EU-funded EQUALSOC** network, conducting research in the areas of differentiation in higher education, gender segregation and subject choice.

During 2009, research on the returns to education, private tuition ('grinds'), the experiences of part-time students in higher education, gender and subject choice, and the returns to field of study within higher education was published in a range of international journals.



Economic Growth and Social Progress

EDUCATION (continued)

Programme Coordinator: Emer Smyth

Other members of staff who work in this area include: Joanne Banks, Delma Byrne, Emma Calvert, Merike Darmody, Elish Kelly, Selina McCoy, Seamus McGuinness and Philip J. O'Connell.

Project Title	Client/Funding Agency	Status	Researchers
Follow-up Study of Early School Leavers	National Council for Curriculum and Assessment	Completed	E. Smyth D. Byrne
Integration of Newcomer Students in First- and Second-Level Schools	Department of Education and Science	Completed	E. Smyth F. McGinnity M. Darmody D. Byrne
Investing in Education: Combating Educational Disadvantage	Barnardos	Completed	E. Smyth S. McCoy
Leaving School in Ireland	Association of Secondary Teachers of Ireland; Department of Education and Science; Further Education and Training Awards Council; Higher Education Authority; Higher Education and Training Awards Council; National Association of Principals and Deputy Principals; National Council for Curriculum and Assessment; National Council for Special Education; National Qualifications Authority of Ireland; Teachers Union of Ireland	In progress	E. Smyth S. McCoy J. Banks D. Watson P.J. O'Connell D. Byrne
Post-Primary Longitudinal Study: (i) The Transition to Senior Cycle (ii) A Study of Leaving Certificate Students	National Council for Curriculum and Assessment	In progress	E. Smyth S. McCoy M. Darmody E. Calvert J. Banks

EDUCATION (continued)

Project Title	Client/Funding Agency	Status	Researchers
Religious Education in a Multicultural Society: School and Home in Comparative Context (REMC)	European Commission, DG Research, FP7	In progress	E. Smyth M. Darmody
Research on Participation in and Progression from the Leaving Cert. Applied	National Council for Curriculum and Assessment	Completed	J. Banks S. McCoy D. Byrne E. Smyth
Research Study on Reasons for Low Participation in Higher Education by the Non-Manual Socio-economic Group	Higher Education Authority	Completed	S. McCoy D. Byrne P.J. O'Connell E. Kelly C. Doherty
Social Mix and Primary School Progress	Irish Research Council for the Humanities and Social Sciences under the auspices of the European Science Foundation EUROCORES ECRP Programme 2008	In progress	E. Smyth S. McCoy D. Byrne
Special Educational Needs Prevalence Study	National Council for Special Education	In progress	S. McCoy J. Banks
Study of Parental Perceptions	National Council for Curriculum and Assessment	Completed	E. Smyth D. Byrne
Study to Establish the Costs of Participating in Higher Education for Students from Diverse Backgrounds	Higher Education Authority	Completed	S. McCoy E. Calvert E. Smyth M. Darmody
The School of the Future	Department of Education and Science	Completed	E. Smyth M. Darmody C. Doherty
The Training Gap in Life-Long Learning (EMPLOY-EDUC)	European Commission, DG Research, FP6 – funded under the EqualSoc Network	In progress	P.J. O'Connell D. Byrne M. Darmody S. McCoy

EDUCATION (continued)

Journal Articles and Chapters in Books

“Man Enough to do it?’ Girls and Non-traditional Subjects in Lower Secondary Education”, *Gender and Education*, Vol. 21, No 3, May 2009, pp. 273-292, **Emer Smyth, Merike Darmody**.

“Buying Your Way into College? Private Tuition and the Transition to Higher Education in Ireland”, *Oxford Review of Education*, Vol. 35, No 1, 2009, pp. 1-22, **Emer Smyth**.

“Managing Diversity in Irish Primary and Post-Primary Schools”, *Spectrum*, Issue 17, June 2009, pp. 2-4, **Merike Darmody, Frances McGinnity, Emer Smyth**.

“The Balancing Act’ – Irish Part-time Undergraduate Students in Higher Education”, *Irish Educational Studies*, Vol. 28, No 1, March 2009, pp. 67-83, **Merike Darmody, Bairbre Fleming**.

“The Economic Returns to Field of Study and Competencies Among Higher Education Graduates in Ireland”, *Economics of Education Review*, 2009, **Elish Kelly, Philip J. O’Connell, Emer Smyth**.

ESRI Research Bulletins

“School Leavers: How Are They Faring”?, ESRI Research Bulletin 2009/1/2, ESRI, Dublin, **Delma Byrne, Selina McCoy**.

“Investing in Education”, ESRI Research Bulletin 2009/3/3, ESRI, Dublin, **Emer Smyth, Selina McCoy**.

“Junior Cycle Education: Insights from a Longitudinal Study of Students”, ESRI Research Bulletin 2009/4/1, ESRI, Dublin, **Emer Smyth**.

“What Do We Know about Large Scale Immigration and Irish Schools”?, ESRI Research Bulletin 2009/2/6, Dublin, **Emer Smyth, Merike Darmody, Frances McGinnity, Delma Byrne**.

“What Do We Know about Training at Work”?, ESRI Research Bulletin 2009/1/4, ESRI, Dublin, **Philip J. O’Connell**.

Reports and Other Publications

Adapting to Diversity: Irish Schools and Newcomer Students, ESRI Research Series 8, ESRI, Dublin, **Emer Smyth, Merike Darmody, Frances McGinnity, Delma Byrne**.

Growing Up in Ireland - National Longitudinal Study of Children: The Lives of 9-Year-Olds - Report 1, The Stationery Office/Office of the Minister for Children and Youth Affairs, Dublin, **James Williams, Sheila Green, Erika Doyle, Elaine Harris, Richard Layte, Selina McCoy, Cathal McCrory, Aisling Murray, Elizabeth Nixon, Tom O’Dowd, Mona O’Moore, Amanda Quail, Emer Smyth, Maeve Thornton**.

Investing in Education: Combating Educational Disadvantage, ESRI Research Series 6, ESRI, Dublin, **Emer Smyth, Selina McCoy**.

School Leavers’ Survey Report 2007, ESRI and Department of Education and Science, **Delma Byrne, Selina McCoy, Dorothy Watson**.

The Education of 9-Year-Olds (Growing Up in Ireland Study - Key Findings No. 3), ESRI Survey and Statistical Report Series 13, ESRI and TCD, Dublin.

ESRI Working Papers

WP 311: “Exploring International Differences in Rates of Return to Education: Evidence from EU SILC”, Maria A. Davia, **Seamus McGuinness, Philip J. O’Connell**.

WP 307: “Overskilling Dynamics and Education Pathways”, Kostas Mavromaras, **Seamus McGuinness, Yin King Fok**.

EDUCATION (continued)

WP 304: "Inclusion or Diversion in Higher Education in the Republic of Ireland?", **Delma Byrne**.

Papers Read to Conferences and Learned Societies

"A Shared Authority: Using Life History Interviews to Interpret Change in Rural Ireland", 72nd Annual Meeting of the Rural Sociological Society, Madison, WI, August, **Joanne Banks**.

"Diversity and Disadvantage: Challenges for Schools", National Association of Principals and Deputy Principals (NAPD) Conference, October, **Emer Smyth**.

"Early School Leaving: Pathways out of School", Educational Studies Association of Ireland Annual Conference, April, **Delma Byrne, Emer Smyth**.

"Educational Perspectives from Growing up in Ireland", Educational Studies Association, Annual Conference, April, **Cathal McCrory, Aisling Murray, Maeve Thornton, Amanda Quail**.

"Investing in Education: Combating Educational Disadvantage", presented at 'Written Out, Written Off' Educational Disadvantage Conference, Barnardos, May, **Emer Smyth, Selina McCoy**.

"Overview of ESRI Longitudinal Study on Student Experiences in Second-level Education", IVEA Conference, 16 September, **Merike Darmody**.

"Pay Now or Pay Later? Investing in Education", Teachers' Union of Ireland Conference (TUI), October, **Emer Smyth, Selina McCoy**.

"Public Intellectuals in Times of Crisis: The Role of Academia", Royal Irish Academy Symposium, November, **Frances Ruane**.

"Symposium on 'Religious Education in a Multicultural Society'", European Conference on Educational Research (ECER), Vienna, September, **Emer Smyth, Merike Darmody**, Kathleen Lynch, Maureen Lyons, Etaoine Howlett.

"The Dynamics of Credentialism: Ireland from Bust to Boom (and Back Again?)", Transitions in Youth Conference, CNRS/University of Burgundy, Dijon, September, **Emer Smyth, Selina McCoy, Delma Byrne**.

"The Education of 9 Year Olds", 'Growing Up in Ireland' Conference, December, **Emer Smyth**, Mona O'Moore.

"The School and Social Integration: Immigrant Students in Ireland", American Educational Research Association's Annual Conference, April, **Merike Darmody**.

ESRI Seminars

"Carelessness in Education", Kathleen Lynch, University College Dublin.

"Does Money Matter for Schools", Sandra McNally, London School of Economics and Political Science.

LABOUR MARKET

Development of the Institute's programme of research on the labour market progressed in 2009. Direct access to the micro-data from the large-scale *National Employment Surveys* has made possible a wide range of research topics. These topics included: (i) the gender wage gap, on behalf of the **Equality Authority**, (ii) the public-private sector wage gap, which was shown to have grown markedly between 2003 and 2006 and (iii) the impact of labour market institutions on firm labour costs and within-firm wage dispersion – which showed that National Wage Agreements tend to lower both wage costs and within-firm dispersion. Journal articles and book chapters were also published on the labour market returns to education and on the determinants of work-related training among employees.

The report on *National Profiling of the Unemployed in Ireland* was published in 2009. This project, carried out in partnership with the **Department of Social and Family Affairs (DSFA)**, and involving over 45,000 unemployed claimants, helps to identify those unemployed people most likely to experience difficulty gaining employment and at greatest risk of entering long-term unemployment. This project is particularly relevant at a time of deteriorating labour market conditions and the profiling is to be implemented by the DSFA with ongoing advice from ESRI researchers. These researchers have also been working on a follow-on project that involves combining the profiling data with administrative records of the National Employment Action Programme to evaluate the impact of the range of activation measures currently being implemented to assist unemployed individuals re-enter the workforce. These research projects offer policymakers essential information to inform the allocation and targeting of effective and appropriate programmes for the unemployed.

ESRI researchers undertook a major study on matching skills and jobs, in collaboration with researchers from Swansea University and Flinders University, Adelaide, on behalf of **Cedefop**, the European Centre for the Development of Vocational Training. The report gives a broad overview of skill mismatch and the factors that contribute to it. It analyses economic and social costs and discusses

why mismatch should be a concern for national and European policymakers and how skill mismatch can be better approached and measured in surveys. A number of papers on skill matching and overskilling were published during the year.

Field-work was completed on two major surveys of the workplace in Ireland, one of employers, the other of employees, on behalf of the **National Centre for Partnership and Performance**. The surveys capture employers' experiences and strategies and employees' experiences and attitudes in the midst of the recession. The results of the survey will provide the basis for analysis of changes in the workplace, and the extent of development of workplace strategies in pursuit of enhanced organisational effectiveness and improved competitiveness.



Mary Hanafin TD (Minister of Social and Family Affairs) and Philip J. O'Connell at the launch of the publication *National Profiling of the Unemployed in Ireland*.

LABOUR MARKET (continued)

Programme Coordinator: Philip J. O'Connell

Members of staff who work in this area include: Alan Barrett, Adele Bergin, Delma Byrne, Tim Callan, Emma Calvert, Claire Keane, Elish Kelly, Pete Lunn, Selina McCoy, Frances McGinnity, Seamus McGuinness, and Helen Russell

Project Title	Client/Funding Agency	Status	Researchers
Cost-Benefit Analysis Approach in Evaluating Labour Market Programmes	Forfás	Completed	P.J. O'Connell
Determinants and Consequences of Skill Mismatch and Policy Implications	European Centre for the Development of Vocational Training (Cedefop)	In progress	S. McGuinness P.J. O'Connell P. Sloane (University of Swansea) N. O'Leary (University of Swansea) K. Mavromaras (University of Melbourne)
Evaluating the Impacts of the National Employment Action Plan (NEAP) on the Likelihood of Exiting the Live Register	Department of Social and Family Affairs	In progress	S. McGuinness P.J. O'Connell E. Kelly J.R. Walsh
FÁS/ESRI Joint Project on Occupational Employment Forecasting	FÁS	In progress	P.J. O'Connell P. Lunn
National Profiling/ Case Management of Customers of the Department of Social and Family Affairs	Department of Social and Family Affairs	Completed	P.J. O'Connell S. McGuinness E. Kelly J.R. Walsh
2008 National Workplace Survey of Employee Attitudes, Expectations and Experiences of Workplace Change	National Centre for Partnership and Performance (NCPPI)	In progress	P.J. O'Connell D. Watson H. Russell S. McGuinness D. Byrne Partner – Amárach Research

Economic Growth and Social Progress

LABOUR MARKET (continued)

Project Title	Client/Funding Agency	Status	Researchers
2008 National Workplace Survey of Employer Attitudes, Expectations and Experiences of Workplace Change	National Centre for Partnership and Performance (NCP)	In progress	D. Watson P.J. O'Connell H. Russell J. Galway Partner – Amárach Research

Journal Articles and Chapters in Books

“Assessing the Impact of Skill Shortages on the Productivity Performance of High-tech Firms in Northern Ireland”, *Applied Economics*, Vol. 41, Issue 6, March 2009, pp. 727-737, Jessica Bennett, **Seamus McGuinness**.

“Assessing the Incidence and Wage Effects of Overskilling in the Australian Labour Market”, *Economic Record*, Vol. 85, Issue 268, March 2009, pp. 60-70, Kostas Mavromaras, **Seamus McGuinness**, Yin King Fok.

“Benchmarking, Social Partnership and Higher Remuneration: Wage Settling Institutions and the Public-Private Sector Wage Gap in Ireland”, *The Economic and Social Review*, Vol. 40, No. 3, Autumn 2009, pp. 339-370, **Elish Kelly, Seamus McGuinness, Philip J. O'Connell**.

“Changes in the Returns to Schooling 1991-2002: Evidence from the British Household Panel Survey”, *Education Economics*, Vol. 17, No. 2, June 2009, pp. 167-184, **Seamus McGuinness**, Jessica Bennett.

“Changing Returns to Education during a Boom? The Case of Ireland”, *Labour: Review of Labour Economics and Industrial Relations*, Vol. 23, Issue s1, pp. 197-221, March 2009, pp. 197-221, **Seamus McGuinness, Frances McGinnity, Philip J. O'Connell**.

“EU Enlargement and Ireland's Labour Market”, M. Kahanec and K.F.Zimmermann (eds.), *EU Labor*

Markets after Post-Enlargement Migration, Berlin: Springer, **Alan Barrett**.

“Job Mobility in Ireland”, *The Economic and Social Review*, Vol. 40, No. 1, Spring 2009, pp. 15-47, **Adele Bergin**.

“Overskilling, Job Insecurity and Career Mobility”, *Industrial Relations: a Journal of Economy and Society*, Vol. 48, No. 2, April 2009, pp. 265-286, **Seamus McGuinness**, Mark Wooden.

“The Impact of Flexible Working Arrangements on Work-life Conflict and Work Pressure in Ireland”, *Gender, Work & Organisation*, Vol. 16, No. 1, January 2009, pp. 73-97, **Helen Russell, Philip J. O'Connell, Frances McGinnity**.

ESRI Research Bulletins

“Identification of Individuals at Risk of Becoming Long-term Unemployed”, ESRI Research Bulletin 2009/4/5, ESRI, Dublin, **Philip J. O'Connell, Seamus McGuinness, Elish Kelly, John R. Walsh**.

“Job Mobility in Ireland”, ESRI Research Bulletin 2009/2/5, ESRI, Dublin, **Adele Bergin**.

“Reconciling Work and Family Life: Workplaces, Occupation and the Experience of Work-Life Conflict”, ESRI Research Bulletin 2009/3/4, ESRI, Dublin, **Emma Calvert, Helen Russell, Philip J. O'Connell, Frances McGinnity**.

LABOUR MARKET (continued)

“What Do We Know about Training at Work?”, ESRI Research Bulletin 2009/1/4, ESRI, Dublin, **Philip J. O’Connell**.

Reports and Other Publications

A Woman’s Place: Female Participation in the Irish Labour Market, Equality Authority, Dublin, **Helen Russell, Frances McGinnity, Tim Callan, Claire Keane**.

Census 2006 - A Profile of the Working Population of Large Towns, Stationery Office, Dublin, Deirdre Cullen, Shaun McLaughlin, **Edgar Morgenroth**, Gerry Walker.

EU Enlargement and Ireland’s Labour Market, IZA, Bonn, **Alan Barrett**.

National Profiling of the Unemployed in Ireland, ESRI Research Series 10, ESRI, Dublin, **Philip J. O’Connell, Seamus McGuinness, Elish Kelly, John R. Walsh**.

School Leavers’ Survey Report 2007, ESRI and Department of Education and Science, **Delma Byrne, Selina McCoy, Dorothy Watson**.

The Gender Wage Gap in Ireland: Evidence from the National Employment Survey 2003, The Equality Authority, Dublin, **Seamus McGuinness, Elish Kelly, Tim Callan, Philip J. O’Connell**.

The Organisation of Asylum and Migration Policies in Ireland, Report prepared for the European Commission Directorate-General Justice, Freedom and Security and published by the ESRI, **Emma Quinn**.

ESRI Working Papers

WP 321: “The Public-Private Sector Pay Gap in Ireland: What Lies Beneath?”, **Elish Kelly, Seamus McGuinness, Philip J. O’Connell**.

WP 318: “Estimating the Impact of Immigration on Wages in Ireland”, **Alan Barrett, Adele Bergin, Elish Kelly**.

WP 317: “Assessing the Impact of Wage Bargaining and Worker Preferences on the Gender Pay Gap in Ireland Using the National Employment Survey 2003”, **Seamus McGuinness, Elish Kelly, Philip J. O’Connell, Tim Callan**.

WP 316: “Mismatch in the Graduate Labour Market Among Immigrants and Second-Generation Ethnic Minority Groups”, **Delma Byrne, Seamus McGuinness**.

WP 314: “Job Mismatches and Labour Market Outcomes”, Kostas Mavromaras, **Seamus McGuinness**, Nigel O’Leary, Peter J. Sloane, Yin King Fok.

WP 313: “Immigrants and Employer-provided Training”, **Alan Barrett, Seamus McGuinness, Martin O’Brien, Philip J. O’Connell**.

WP 294: “Labour Market Mismatch Among UK Graduates; An Analysis Using REFLEX Data”, **Seamus McGuinness**, Peter J. Sloane.

WP 289: “The Determinants and Effects of Training at Work: Bringing the Workplace Back In”, **Philip J. O’Connell, Delma Byrne**.

WP 275: “Projecting the Future Numbers of Migrant Workers in the Health and Social Care Sectors in Ireland”, **Alan Barrett**, Anna Rust.

Papers Read to Conferences and Learned Societies

“A Statistical Profiling Model of Long-term Unemployment Risk in Ireland”, ESRI Policy Conference, April, **Philip J O’Connell**.

“Are We Wasting Human Capital? Migration and Education in Ireland”, Barcelona and Dublin, Destination Cities? Tourism, Immigration, and Urban Transformations Conference, Glucksman Ireland House, New York, February, **Philip J. O’Connell**.

Economic Growth and Social Progress

LABOUR MARKET (continued)

“Benchmarking, Social Partnership and Higher Remuneration: Wage Settling Institutions and the Public-Private Sector Wage Gap in Ireland”, Irish Economics Association Conference, April, **Elish Kelly, Seamus McGuinness, Philip J. O’Connell.**

“Does Social Partnership Pay-Off? The Impact of Wage Bargaining Institutions on Earnings”, Irish Economics Association Conference, April, **Elish Kelly, Philip J. O’Connell, Seamus McGuinness.**

“Education and Skill Mismatches, Are They Really a Problem for Workers?” Workshop on Child Development, NUIG, October, **Seamus McGuinness.**

“Measurement Error in Survey Data: Job Mobility in Ireland”, IZA European Summer School in Labor Economics, Ammersee, Germany, April, May, **Adele Bergin.**

“The Impact of Wage Bargaining Regime on Firm-Level Competitiveness and Wage Inequality: The Case of Ireland”, presented at the Workshop on Economic Analysis Using Linked Employer and Employee Data, NIPE (Economic Policy Research Unit), University of Minho, Braga, September, **Elish Kelly**, and at the Melbourne Institute for Applied Economic and Social Research, November, **Philip J. O’Connell, Seamus McGuinness and Elish Kelly.**

“What Works? Applying Lessons from the 1990s”, ESRI Policy Conference, April, **Philip J. O’Connell.**

“Working Conditions in Ireland 1991-2007”, European Foundation Workshop ‘Out of Economic Recession Towards Sustainable Welfare’, May, **Philip J. O’Connell, Helen Russell.**

ESRI Seminars

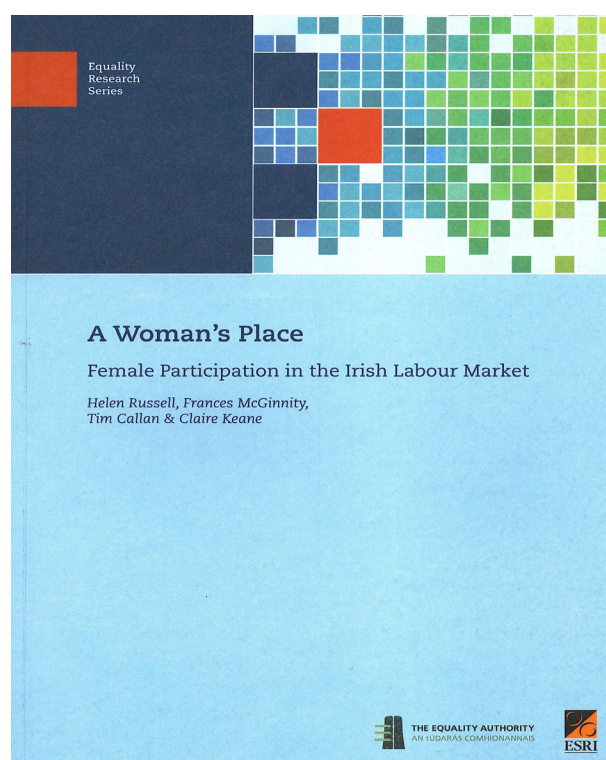
“Mortality in Ireland at Advanced Ages”, Shane Whelan, University College Dublin.

“The Overeducation Debate”, Peter J. Sloane, Welsh Economy and Labour Market Evaluation

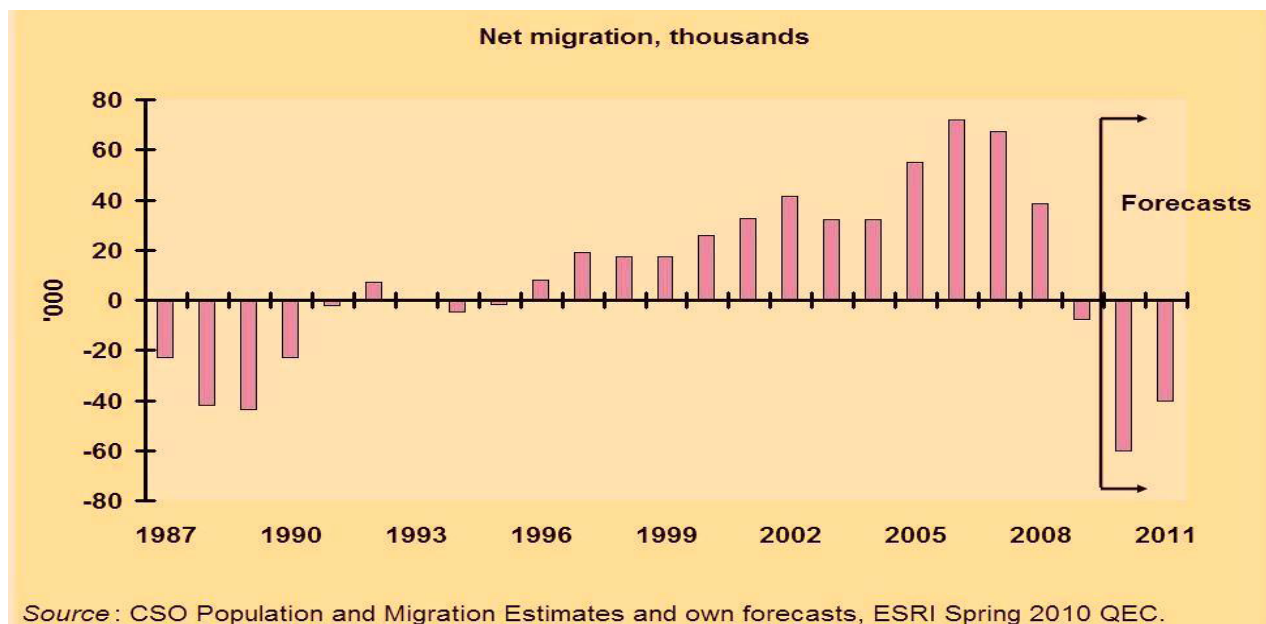
Centre (WELMERC) and Department of Economics at Swansea University.

“Linguistic Elitism and Gender in the Irish Labour Market”, Vani K. Borooah, University of Ulster.

“The Public-Private Sector Pay Gap in Ireland: What Lies Beneath?”, **Elish Kelly, Seamus McGuinness and Philip J. O’Connell.**



MIGRATION



The Institute's programme of research on immigration is partly under a project funded by the **Irish Research Council for the Humanities and Social Sciences**. Working papers were produced on the impact of immigration on wages in Ireland and also on the experiences of immigrants in accessing employer-provided training. Another paper looking at the earnings of returned migrants found a wage premium of 7 per cent for returned migrants relative to comparable stayers.

A chapter on the impact of the migrant inflow into Ireland post-2004 was published, as part of a volume on the impact across Europe of the EU's expansion. The editors of the volume, Professor Klaus F. Zimmermann and Dr. Martin Kahanec of IZA, presented a seminar on the book at the ESRI. Other research looking at the economic impacts of immigration into Ireland showed how the migratory inflow in the middle of this decade was positive for Ireland's economy.

During 2009, four published reports were prepared for the **European Commission Directorate General for Justice, Freedom and Security** as part of the activities of the Irish National Contact Point of the European Migration Network (EMN).

The EMN was established on a permanent legal base (Council Decision 2008/328/EC) in May 2008, and the ESRI has acted as Irish National Contact Point since 2003. Recent published reports included commentary on migration and asylum flows into Ireland; a mapping of non-EU immigration and asylum-related policies in Ireland in 2008; and a report detailing policies concerning unaccompanied minors in Ireland. The ESRI also continues to be responsible for the Irish reports to SOPEMI, the OECD Continuous Reporting System on Migration; these reports have been produced on an annual basis since 1994.

The issue of the schools and their experiences in catering for a large immigrant inflow was analysed in a report, *Adapting to Diversity*, published as part of the ESRI Research Series. In undertaking the research, the authors drew on the first national survey of primary and second-level principals on diversity along with case-studies of schools with different proportions of immigrant students. Among a range of conclusions, the study indicated that promoting a positive school climate and teaching to the range of abilities in the class will benefit both newcomer and Irish students.

Economic Growth and Social Progress

MIGRATION (continued)

Programme Coordinator: Alan Barrett

Other members of staff who work in this area include: Adele Bergin, David Duffy, Jean Goggin, Corona Joyce, Elish Kelly, Frances McGinnity, Seamus McGuinness, Philip J. O'Connell, Emma Quinn.

Project Title	Client/Funding Agency	Status	Researchers
Country Profile on Ireland	Hamburg Institute of International Economics – HWWI gGmbH	Completed	E. Quinn
European Migration Network, 2009	European Commission/ Department of Justice, Equality and Law Reform	Completed	P.J. O'Connell E. Quinn C. Joyce
Immigrants' Characteristics, Experiences and Impacts	IRCHSS	In progress	A. Barrett P. J. O'Connell M. O'Brien E. Kelly J. Goggin
Irish Report to OECD Continuous Reporting System on Migration (SOPEMI)	Department of Justice, Equality and Law Reform	Completed	P.J. O'Connell C. Joyce
Study on Active Inclusion of Migrants	EC, Employment, Social Affairs and Equal Opportunities DG	In progress	A. Barrett B. Maître C.T. Whelan (UCD)

Journal Articles and Chapters in Books

"Estimating the Impact of Immigration in Ireland", *Nordic Journal of Political Economy*, Vol. 35, Article 2, 2009, **Alan Barrett, Adele Bergin**.

"EU Enlargement and Ireland's Labour Market", (2009), in M. Kahanec and K. F. Zimmermann (eds.), *EU Labor Markets after Post-Enlargement Migration*, **Alan Barrett**.

ESRI Research Bulletins

"What Do We Know about Large Scale Immigration and Irish Schools?", ESRI Research Bulletin 2009/2/6, Dublin, **Emer Smyth, Merike Darmody, Frances McGinnity, Delma Byrne**.

Reports and Other Publications

Adapting to Diversity: Irish Schools and Newcomer Students, ESRI Research Series 8, ESRI, Dublin, **Emer Smyth, Merike Darmody, Frances McGinnity, Delma Byrne**.

Annual Policy Report on Migration and Asylum 2008: Ireland, ESRI Survey and Statistical Report Series 15, Report Prepared for the European Commission Directorate-General Justice, Freedom and Security and published by the ESRI, Dublin, **Corona Joyce**.

Annual Report on Asylum and Migration Statistics 2007: Ireland, ESRI Survey and Statistical Report Series 18, Report Prepared for the European

MIGRATION (continued)

Commission Directorate-General Justice, Freedom and Security and published by the ESRI, Dublin, **Corona Joyce**.

Policies on Unaccompanied Minors in Ireland, Report prepared for the European Commission Directorate-General Justice, Freedom and Security and published by the ESRI, **Corona Joyce, Emma Quinn**.

The Organisation of Asylum and Migration Policies in Ireland, Report prepared for the European Commission Directorate-General Justice, Freedom and Security and published by the ESRI, **Emma Quinn**.

ESRI Working Papers

WP 318: “Estimating the Impact of Immigration on Wages in Ireland”, **Alan Barrett, Adele Bergin, Elish Kelly**.

WP 313: “Immigrants and Employer-provided Training”, **Alan Barrett, Seamus McGuinness, Martin O’Brien, Philip J. O’Connell**.

WP 275: “Projecting the Future Numbers of Migrant Workers in the Health and Social Care Sectors in Ireland”, **Alan Barrett**, Anna Rust.

Papers Read to Conferences and Learned Societies

“Estimating the Impact of Immigration”, Keynote address to the Annual Conference of the Stockholm University Linnaeus Centre for Integration Studies, November, **Alan Barrett**.

“The Impact of Recession on Ireland’s Immigrants”, Migration Advisory Committee, UK, September, **Alan Barrett**.

“Unaccompanied Minors in Ireland and the Netherlands: Issues and Policy Responses”, presented at the conference ‘Children and the European Union: Legal, Political and Research

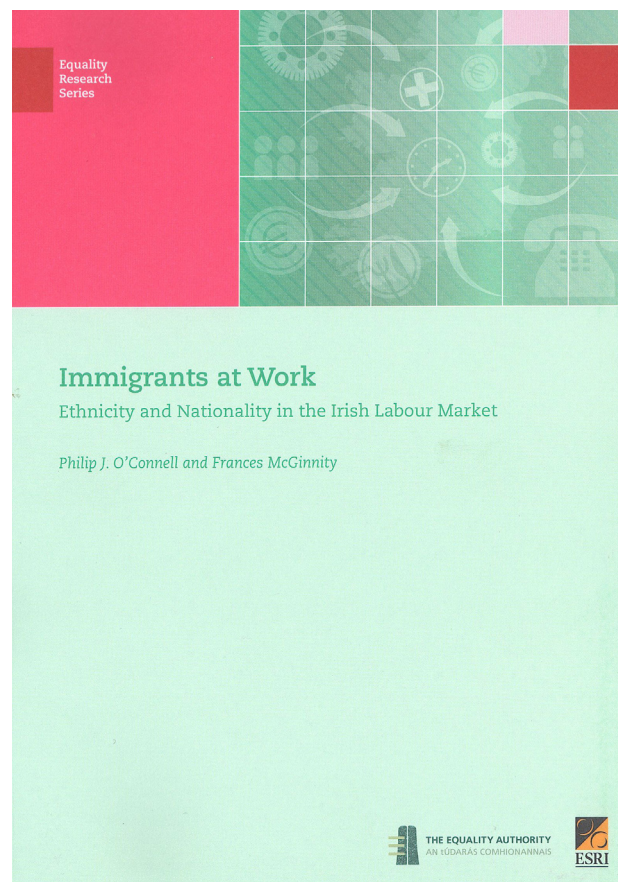
Perspectives’, April, **Corona Joyce, Emma Quinn**, and at the EMN Hungarian National Network Meeting, May, **Corona Joyce**.

ESRI Seminars

“Respondent-driven Sampling of Migrant Populations”, Peter Mühlau, Department of Sociology/Employment Research Centre, Trinity College Dublin.

“Lessons from Migration after EU Enlargement”, Klaus Zimmermann, IZA, DIW, University of Bonn.

“Do Migrants Improve Governance at Home? Evidence from a Voting Experiment”, Catia Batista, Department of Economics, Trinity College Dublin.



SOCIAL COHESION AND QUALITY OF LIFE

The research programme on sport and exercise funded by the **Irish Sports Council** published two Sports Monitor reports during 2009. These studies track the participation of adults in sport and physical activity based on annual surveys of the population. *The Irish Sports Monitor, Second Annual Report 2008*, contains the latest figures on participation in sport and physical activity and compares them with 2007 baseline information. The 2008 report reveals a drop of 2 per cent in active participation in sport among adults. The evidence very strongly suggests that the recession was behind the drop in active participation as the decline was concentrated among lower income households. Research arising from the research programme was also published in *Playing by Numbers: Trends in Children's Sport in Ireland* (December 2009).

The "Sportfolio" project, funded by the Irish Sports Council, was initiated in 2009. It will bring together data on participation in sport from three separate sources. Proceeding on a sport-by-sport basis, the aim is to compile profiles of the most popular sport and exercise activities in Ireland.

Within the **EQUALSOC** Network of Excellence, ESRI researchers edited a special issue on *Reconciling Work and Family Life* which was published in 2009 in the leading international journal on quality of life *Social Indicators Research*.

During 2009, researchers at the ESRI were members of a European team that won the contract to design a module for the 2010 **European Social Survey (ESS)**. This will partially replicate an ESS module that the ESRI was involved in designing in 2004. It will examine the implications of economic recession for family, work and well-being, including issues such as changes in the quality of work and their impact on work-family conflict, work pressure, and social integration. The ESS is fielded in up to 30 European countries and is very widely used in the social science research community.

In conjunction with the School of Applied Social Sciences in UCD, the ESRI undertook a new analysis of changing family structures and fertility patterns in Ireland, funded by the **Family Support Agency**. This project has been granted access to the 2006 Census Research Microdata File, allowing a more detailed analysis of family change in Ireland than has been possible to date. A final report *Family Figures: Family Dynamics and Family Types in Ireland 1986-2006* was submitted to the Family Support Agency in 2009, and will be published early in 2010.

Finally, two research studies on quality of life were undertaken for the **European Foundation for the Improvement of Living and Working Conditions**. The first monitored quality of life across the EU using subjective well-being indicators. The second report focuses on social exclusion. It uses data from the European Quality of Life Surveys in 2003 and 2007/2008 to examine the relationship between perceived social exclusion and living conditions across a range of national contexts and the crucial role played by labour market participation. The report also examines whether patterns of social support mediate the relationship between living conditions and social exclusion and whether these factors impact on mental health.

SOCIAL COHESION AND QUALITY OF LIFE (continued)

Programme Coordinator: Helen Russell

Other members of staff who work in this area include: Pete Lunn, Bertrand Maître, Frances McGinnity, Dorothy Watson and Richard Layte.

Project Title	Client/Funding Agency	Status	Researchers
Analytical Report on Subject Well-being	European Foundation for the Improvement of Living and Working Conditions	Completed	D. Watson C. Wallace (University of Aberdeen), F. Pichler (University of Aberdeen), R. Veenhoven (Erasmus University Amsterdam), H. Herbert-Noll (ZUMA, Mannheim), T. Fahey, (UCD)
Annual Report on the Measurement of Poverty and Deprivation in Ireland	Office for Social Inclusion	In progress	H. Russell B. Maître
Archiving of Historic Social Science Datasets from ESRI Surveys	Irish Social Science Data Archive, University College Dublin	In progress	D. Watson, J. Galway
Child Care Responsibilities and Continuing Training Participation in Europe: A Cross-national Comparative Study (EMPLOY-FAMNET)	European Commission, DG Research, FP6 – funded under the EqualSoc Network	In progress	F. McGinnity
Children and Time Use in European Families (FAMNET)	European Commission, FP6 – funded under the EqualSoc Network	In progress	F. McGinnity
Family Figures: Trends in Family Dynamics and Family Types in Ireland	Family Support Agency	In progress	P. Lunn, T. Fahey (UCD)

Economic Growth and Social Progress

SOCIAL COHESION AND QUALITY OF LIFE (continued)

Project Title	Client/Funding Agency	Status	Researchers
Household and Family Structures in Ireland: An Analysis of Census 2006	Family Support Agency	In progress	P. Lunn T. Fahey (UCD)
Reconciling Work, Family Life and Gender Equality, the Influence of Welfare Regimes (EMPLOY-FAMNET)	European Commission, DG Research, FP6 – funded under the EqualSoc Network	Completed	F. McGinnity H. Russell
Sample Design and Selection for the TILDA Survey	Trinity College Dublin	Completed	D. Watson
Sample Weights and Technical Report on International Social Survey Programme in Ireland (Religion Module, Sport and Leisure Module)	University College Dublin	Completed	D. Watson
Sampling Design, Sample Weighting and Technical Reporting for the European Social Survey	University College, Dublin	In progress	D. Watson
Sport and Physical Activity in Dublin	Irish Sports Council	In progress	P. Lunn
The Impact of the 'New Economy' on the Labour Market, Inequality, Poverty and Well-being in Ireland	IRCHSS	In progress	C.T. Whelan (UCD) B. Maître B. Nolan (UCD) S. Voitchovsky (UCD)

SOCIAL COHESION AND QUALITY OF LIFE (continued)

Project Title	Client/Funding Agency	Status	Researchers
The Irish Sports Monitor	Irish Sports Council	In progress	P. Lunn R. Layte D. Watson
Work, Family and the Recession: Development of ESS Module on Work, Family and Well-being	European Commission, DG Research, FP6 – funded under the EqualSoc Network	In progress	H. Russell

Journal Articles and Chapters in Books

“Class and Poverty: Cross-Sectional and Dynamic Analysis of Income Poverty and Lifestyle Deprivation”, E. Rose and D. Harrison (eds.), *Social Class in Europe: An Introduction to the European Socio-Economic Classification*, **Dorothy Watson, Christopher T. Whelan, Bertrand Maitre**.

“Comparing Work-Life Conflict in Europe: Evidence from the European Social Survey”, *Social Indicators Research*, Vol. 93, No. 3, September 2009, pp. 433-444, **Frances McGinnity, Christopher T. Whelan**.

“Playing by Numbers: Trends in Children’s Sport in Ireland”, *Proceedings of the Third Forum on Physical Education, Physical Activity and Youth Sport*, **Pete Lunn**.

“Work-Family Conflict and Working Conditions in Western Europe”, *Social Indicators Research*, Vol. 93, No. 3, September 2009, pp. 445-467, Duncan Gallie, **Helen Russell**.

“Work-Life Conflict and Social Inequality in Western Europe”, *Social Indicators Research*, Vol. 93, No. 3, September 2009, pp. 489-508, **Frances McGinnity, Emma Calvert**.

ESRI Research Bulletin

“Reconciling Work and Family Life: Workplaces, Occupation and the Experience of Work-Life Conflict”, ESRI Research Bulletin 2009/3/4, ESRI,

Dublin, **Emma Calvert, Helen Russell, Philip J. O’Connell, Frances McGinnity**.

Reports and Other Publications

Being 9 Years Old (Growing Up in Ireland Study - Key Findings No. 1), ESRI Survey and Statistical Report Series 11, ESRI and TCD, Dublin.

The Families of 9-Year-Olds (Growing Up in Ireland Study - Key Findings No. 2), ESRI Survey and Statistical Report Series 12, ESRI and TCD, Dublin.

The Education of 9-Year-Olds (Growing Up in Ireland Study - Key Findings No. 3), ESRI Survey and Statistical Report Series 13, ESRI and TCD, Dublin.

The Health of 9-Year-Olds (Growing Up in Ireland Study - Key Findings No. 4), ESRI Survey and Statistical Report Series 14, ESRI and TCD, Dublin.

Growing Up in Ireland - National Longitudinal Study of Children: The Lives of 9-Year-Olds - Report 1, The Stationery Office/Office of the Minister for Children and Youth Affairs, Dublin, **James Williams, Sheila Green, Erika Doyle, Elaine Harris, Richard Layte, Selina McCoy, Cathal McCrory, Aisling Murray**, Elizabeth Nixon, Tom O’Dowd, Mona O’Moore, **Amanda Quail, Emer Smyth, Maeve Thornton**.

Irish Sports Monitor, Second Annual Report 2008, ESRI and The Irish Sports Council, Dublin, **Pete Lunn, Richard Layte**.

SOCIAL COHESION AND QUALITY OF LIFE (continued)

The Irish Sports Monitor, First Annual Report 2007, ESRI and The Irish Sports Council, **Pete Lunn, Richard Layte, Dorothy Watson**.

Social Indicators Research, Vol. 93, No. 3, September (II) 2009, **Frances McGinnity, Christopher T. Whelan** (eds).

ESRI Working Paper

WP 328: "The Association Between Income Inequality and Mental Health: Social Cohesion or Social Infrastructure?", **Richard Layte, Bertrand Maître**.

WP 303: "Welfare Regime and Social Class Variation in Poverty and Economic Vulnerability in Europe: An Analysis of EU-SILC", **Christopher T. Whelan, Bertrand Maître**.

WP 302: "Understanding the Socio-economic Distribution and Consequences of Patterns of Multiple Deprivation: An Application of Self-Organising Maps", **Christopher T. Whelan**, Mario Lucchini, Maurizio Pisati, **Bertrand Maître**.

WP 272: "The Games We Used to Play: An Application of Survival Analysis to the Sporting Life-course", **Pete Lunn**.

Papers Read to Conferences and Learned Societies

"Behavioural Economics: A Scientific Revolution", Vice Chancellor's Lecture, University of Salford, November, **Pete Lunn**.

"Behavioural Economics: From Intellectual Conflict to Academic Collaboration", National Endowment for Science, Technology and the Arts (NESTA), April, **Pete Lunn**.

"Behavioural Economics: What Is It and Why Does It Matter?", Higher Education Funding Council of England (HEFCE), July, **Pete Lunn**.

"Nine-Year-Olds and their Families", First GUI Research Conference, December, **James Williams**, Sheila Greene.

"Sport in Ireland: Expectation and Evidence", Keynote Address, 4th Physical Education, Physical Activity and Youth Sport Conference, University of Limerick, June, **Pete Lunn**.

"What is Value?", Arts Council, Arts and Health Conference, October, **Pete Lunn**.

ESRI Seminars

"The Analysis of the Subjective Quality of Life of Wuhan Citizens", Changcheng Zhou, Centre for Quality of Life Studies, Department of Sociology, Wuhan University, Wuhan, The People's Republic of China.

TAXATION, WELFARE AND PENSIONS

The programme of research undertaken during 2009 helped to provide evidence both on the key short-term policy issues addressed in budgetary policy, and on longer term issues addressed by the **Commission on Taxation** and in the government White Paper on pensions.

On the long-term issues, the *SWITCH* research programme provided:

- Oral evidence to the Commission on key issues, following an earlier written submission
- A report on the key issue of property taxation, and its potential role in the Irish context. This was based on an extension of the *SWITCH* model to include taxation of residential property, based on self-assessed values. This report was put into the public domain as an ESRI working paper.
- A set of publications on tax policy in the Irish context on which the Commission drew extensively in its report.
- A new report on *Pension Policy: New Evidence on Key Issues* dealing with issues such as the tax treatment of pensions, and the impact of rising coverage of both State and private pensions, in the context of the “greying” of the Irish population.

The economic crisis posed major challenges for tax, welfare and pension policy during 2009. Policy responses included a Supplementary Budget with far reaching changes in taxes and levies as well as the December 2009 Budget with its unprecedented changes in welfare payments. Research based on the *SWITCH* tax-benefit model was used to inform policy formation and public debate in these areas. Outputs from the research programme included:

- Provision of model software, training and support to departmental staff for use in official analyses of policy options and impacts.

- A paper on selected tax reform issues for the *Budget Perspectives 2010* conference and a follow up article for *The Irish Times* on options relating to child income support policy.
- Articles on the distributional impact of the April 2009 Supplementary Budget and December 2009 Budget for *The Irish Times*, and a box on the distributional impact for the *Quarterly Economic Commentary*.

A major project on the modelling of pension policies began late in 2009, co-funded by the **European Commission’s Directorate-General for Employment, Social Affairs and Equal Opportunities**. The work is being undertaken in collaboration with Dr Justin van de Ven of the National Institute of Economic and Social Research (NIESR). The aim of the project is to adapt and calibrate the model developed at NIESR in order to analyse policy issues in an Irish context. The work will also facilitate comparisons between policy options adopted in Ireland and the UK. A new project aimed at learning from Ireland’s experience with the Special Savings and Investment Accounts was also begun, with support from the **Foundation for Fiscal Studies**. This project will also have implications for the choice of policy instruments regarding pensions.



ESRI Forum members Donal de Buitléir and Tom Considine at the 2009 Geary Lecture.

Economic Growth and Social Progress

TAXATION, WELFARE AND PENSIONS (continued)

Programme Coordinator: Tim Callan

Other members of staff who work in this area include: Claire Keane, Seán Lyons, Sue Scott, Richard S.J. Tol and John R. Walsh. Work was also undertaken in collaboration with Research Affiliates Justin van de Ven (National Institute of Economic and Social Research) and Olivier Bargain (UCD).

Project Title	Client/Funding Agency	Status	Researchers
Accurate Income Measurement for the Assessment of Policy	European Commission, DG Research FP6	Completed	T. Callan C. Keane
Budget Perspectives 2010	Grant in Aid	Completed	T. Callan C. Keane J.R. Walsh
Commission on Taxation	Commission on Taxation	Completed	T. Callan J. Fitz Gerald C. Keane J.R. Walsh
Learning from Ireland's SSIA Experience	Foundation for Fiscal Studies	In progress	T. Callan C. Keane
Modelling Pension Reforms: Building from UK Experience to Irish Policy Analysis	DG Employ, Social Affairs and Equal Opportunities Department of Social & Family Affairs	In progress	T. Callan C. Keane J.R. Walsh J. Van de Ven (NIESR)
<i>SWITCH</i> Research Programme on Tax and Welfare i. Pension policy: key issues ii. Model maintenance and development iii. Training and support for departmental users of model iv. Non-cash benefits in Ireland	Department of Social and Family Affairs Department of Finance ESRI Grant in Aid	(i) Completed (ii) In progress (iii) In progress (iv) Completed	T. Callan C. Keane J.R. Walsh

TAXATION, WELFARE AND PENSIONS (continued)

Journal Articles and Chapters in Books

“Distributional Impact of Budgetary Policy”, *Quarterly Economic Commentary*, Winter 2009, **Tim Callan, Claire Keane, John R. Walsh.**

“Non-Cash Benefits and the Distribution of Economic Welfare”, *The Economic and Social Review*, Vol. 40, No. 1, Spring, pp. 49-71, **Tim Callan, Claire Keane.**

“Tax Reform: Selected Issues”, **T. Callan** (ed.), *Budget Perspectives 2010*, pp. 3-18, **Tim Callan, Claire Keane, John R. Walsh.**

“Tax Structure and Female Labour Supply: Evidence from Ireland”, *Labour: Review of Labour Economics and Industrial Relations*, Vol. 23, No. 1, March 2009, pp. 1-35, **Tim Callan, Arthur van Soest, John R. Walsh.**

“The Distributional Implications of a Carbon Tax in Ireland”, *Energy Policy*, Vol. 37, No. 2, February 2009, pp. 407-412, **Tim Callan, Seán Lyons, Susan Scott, Richard S. J. Tol, Stefano Verde.**

“The Recession, Budgets, Competition, and Regulation: Should the State Supply Bespoke Protection?”, **T. Callan** (ed.), *Budget Perspectives 2010*, **Paul K. Gorecki.**

ESRI Research Bulletins

“Who is Paying for Regional Balance in Ireland?”, ESRI Research Bulletin 2009/1/3, ESRI, Dublin, **Edgar Morgenroth.**

Reports and Other Publications

Pension Policy: New Evidence on Key Issues, ESRI Research Series 14, ESRI, Dublin, **Tim Callan, Claire Keane, John R. Walsh.**

ESRI Working Papers

WP 322: “What Role for Property Taxes in Ireland?”, **Tim Callan, Claire Keane, John R. Walsh.**

Papers Read to Conferences and Learned Societies

“A Carbon Tax”, presentation at Round Table on Commission on Taxation, ‘Budget Perspectives Conference’, ESRI and The Foundation for Fiscal Studies (FFS) Dublin, October, **Richard S. J. Tol.**

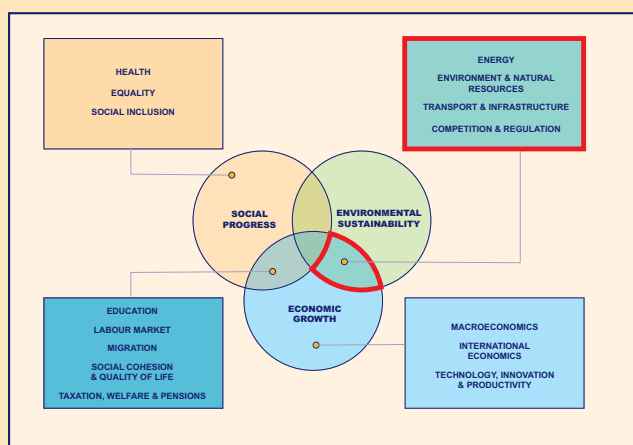
“Tax Reform: Selected Issues”, ESRI and The Foundation for Fiscal Studies (FFS), Budget Perspectives Conference, October, **Tim Callan, Claire Keane, John R. Walsh.**

ESRI Seminars

“The Role of Housing Benefits within the Irish Tax Benefit System”, Philip Hayes, Combat Poverty Agency, RERC Teagasc, National University of Ireland, Galway.

“Introducing a Property Tax: Pitfalls and Problems – Learning from the Northern Ireland Experience”, Brian McClure, Head of Rating Policy Division, Department of Finance and Personnel, Northern Ireland.

Economic Growth and Environmental Sustainability



The increasing importance of environmental issues is reflected in the four programmes of research that look at issues where economic and environmental factors interact strongly. These programmes are:

- **Energy**
(coordinated by Professor John Fitz Gerald);
- **Environment and Natural Resources**
(coordinated by Professor John Fitz Gerald);
- **Transport and Infrastructure**
(coordinated by Dr Edgar Morgenroth);
and
- **Competition and Regulation**
(coordinated by Dr Seán Lyons)

ENERGY

A major feature of the work of the Energy Policy Research Centre (EPRC) has been the development of key research infrastructure in the form of economic models for research. These models are used as the basic tool in much of the work undertaken by the EPRC:

- The electricity model covers the all-island electricity sector, modelling the dispatch of generating stations on a half hourly basis. It models both the British and Irish markets to allow analysis of the effects of different levels of interconnection between Britain and Ireland. The model has been further developed this year to handle new issues which came up in the course of our research.¹
- Because of the dramatic dislocation of the world and the Irish economy over the past year, additional work using *HERMES* was undertaken, which provided a basis for revising Irish energy forecasts in the changed context.

¹ For example, the model was modified to allow base load plant to be constrained on a month by month basis. This is necessary to ensure the electricity system operates reliably in the presence of a large amount of intermittent generation.

- *ISus*, the satellite model of *HERMES* to forecast emissions and resource use, was used in conjunction with the new version of *HERMES*, to look at Irish emissions, especially emissions of greenhouse gases. This model has been developed for the **Environmental Protection Agency (EPA)** which used it in its *State of the Environment Report* in mid-2008. This model relates economic activity to all emissions, including greenhouse gases, to air and water. Currently, the energy and transport components of *HERMES* are being integrated into *ISus*.
- *FUND* an integrated assessment model of climate change for analysis of international climate policy, is being used to advise the US EPA on climate policy. It is used to estimate the economic impact of climate change on Ireland, to simulate international trade in emission permits, and to investigate the implications of uncertainty about the carbon cycle.

Using these models the research programme in 2009 examined the following topics:

ENERGY (continued)

- The competition effects of different levels of interconnection between the Irish and the British electricity markets. This work used the *IDEM* electricity model of the British and Irish markets.
- A major study of the costs and benefits of investment in Ireland in renewable electricity was completed. This examined how sensitive the results were to different assumptions about interconnection, prices, developments in the GB market etc. Work was also undertaken on the economic implications of options to replace Moneypoint in 2025, and on the effects of increased investment in renewable electricity on investment incentives for other forms of generation.
- A study also commenced on the factors affecting final electricity prices in Ireland
- Together with **Sustainable Energy Ireland** (SEI), the ESRI prepared forecasts for energy use out to 2025, which were published by SEI in December 2009. These forecasts are used by government departments and official bodies as part of their ongoing work on energy and the environment.
- Work continued on the issue of fuel poverty, evaluating the effectiveness of the *Power of One* campaign. Research also explored the effectiveness of the gas and electricity programmes.
- Work was commenced with **Commission for Energy Regulation** (CER) and SEI in preparation for a major study of the costs and benefits of smart meters.



Speakers Richard S.J. Tol, Philip Lane (TCD), Paul K. Gorecki and Donal de Buitelir at the *Budget Perspectives 2010* Conference held on 13 October 2009.

Economic Growth and Environmental Sustainability

ENERGY (continued)

Programme Coordinator: John Fitz Gerald

Other members of staff who work in this area include: David Anthoff, Seán Diffney, Paul K. Gorecki, Hugh Hennessy, Eimear Leahy, Seán Lyons, Laura Malaguzzi Valeri, Sue Scott and Richard S.J. Tol.

Project Title	Client/Funding Agency	Status	Researchers
Comprehensive Energy Forecasts for Ireland	Sustainable Energy Ireland	Completed	J. Fitz Gerald A. Bergin L. Malaguzzi Valeri C. Devitt
Developing an Efficient Market for Electricity	ESRI Energy Policy Research Centre	In progress	J. Fitz Gerald L. Malaguzzi Valeri C. Devitt S. Lyons
Sensitivity Analysis – Energy Forecasts	Environmental Protection Agency	Completed	J. Fitz Gerald A. Bergin
Study of Future Fuel Diversity Options for the Irish Power System	ESRI Energy Policy Research Centre	In progress	J. Fitz Gerald L. Malaguzzi Valeri S. Diffney
Study on the Costs and Benefits of East-West Electricity Interconnection between the Republic of Ireland and Great Britain Electricity Systems	ESRI Energy Policy Research Centre	In progress	L. Malaguzzi Valeri J. Fitz Gerald S. Diffney S. Lyons

Journal Articles and Chapters in Books

“Assessing Vulnerability of Selected Sectors under Environmental Tax Reform: The Issue of Pricing Power”, M.S. Andersen and P. Ekins (eds.), *Carbon Energy Taxation: Lessons from Europe*, **John Fitz Gerald**, Mary Keeney, **Susan Scott**.

“Intra- and Extra-Union Flexibility in Meeting the European Union’s Emission Reduction Targets”, *Energy Policy*, Vol. 37, Issue 11, November 2009, pp. 4329-4336, **Richard S. J. Tol**.

“Intra-union Flexibility of Non-ETS Emission Reduction Obligations in the European Union”, *Energy Policy*, Vol. 37, Issue 5, May 2009, pp. 1745-1752, **Richard S. J. Tol**.

“Investment in Electricity Infrastructure in a Small Isolated Market: the Case of Ireland”, *Oxford Review of Economic Policy*, Vol. 25, No. 3, December 2009, pp. 469-487, **Seán Diffney**, **John Fitz Gerald**, **Seán Lyons**, **Laura Malaguzzi Valeri**.

“Towards Regional Environmental Accounts for Ireland”, *Journal of the Statistical and Social Inquiry Society of Ireland*, Vol. 38, 2008/9, pp. 105-142, **Richard S. J. Tol**, **Nicola Commins**, **Niamh Crilly**, **Seán Lyons**, **Edgar Morgenroth**.

ENERGY (continued)

“Understanding Long-term Energy Use and Carbon Dioxide Emissions in the USA”, *Journal of Policy Modelling*, Vol. 31, Issue 3, May-June 2009, pp. 425-445, **Richard S. J. Tol**, Stephen W. Pacala, Robert H. Socolow.

“Welfare and Competition Effects of Electricity Interconnection between Ireland and Great Britain”, *Energy Policy*, Vol. 37, Issue 11, November 2007, pp. 4679-4688, **Laura Malaguzzi Valeri**.

ESRI Research Bulletins

“Investing in Electricity Infrastructure and Renewables in Ireland”, ESRI Research Bulletin 2009/4/2, ESRI, Dublin, **John Fitz Gerald, Seán Lyons, Laura Malaguzzi Valeri**.

Reports and Other Publications

“Government Failure and Market Failure: On the Inefficiency of Environmental and Energy Policy”, University of Oxford, Oxford, **David Anthoff**, Robert W. Hahn.

Policy Options to Reduce Ireland’s Greenhouse Gas Emissions, ESRI Research Series 9, ESRI, Dublin, Thomas Legge, **Susan Scott**.

ESRI Working Papers

WP 334: “The Likely Economic Impact of Increasing Investment in Wind on the Island of Ireland”, **Conor Devitt, Seán Diffney, John Fitz Gerald, Seán Lyons, Laura Malaguzzi Valeri**.

WP 299: “EU Climate Change Policy 2013-2020: Using the Clean Development Mechanism More Effectively”, **Paul K. Gorecki, Seán Lyons, Richard S. J. Tol**.

WP 292: “EU Climate Change Policy 2013-2020: Thoughts on Property Rights and Market Choices”, **Paul K. Gorecki, Seán Lyons, Richard S. J. Tol**.

WP 290: “Intra- and Extra-Union Flexibility in Meeting the European Union’s Emission Reduction

Targets”, **Richard S. J. Tol**.

WP288: “Climate Feedbacks on the Terrestrial Biosphere and the Economics of Climate Policy: An Application of FUND”, **Richard S. J. Tol**.

WP285: “The Feasibility of Low Concentration Targets: An Application of FUND”, **Richard S. J. Tol**.

WP284: “Policy Options to Reduce Ireland’s GHG Emissions”, Thomas Legge, **Susan Scott**.

WP282: “The Economic Impact of Ocean Acidification on Coral Reefs”, Luke M. Brander, Katrin Rehdanz, **Richard S. J. Tol**, Pieter J. H. van Beukering.

WP280: “Advertising to Boost Energy Efficiency: the Power of One campaign and Natural Gas Consumption”, **Seán Diffney, Seán Lyons, Laura Malaguzzi Valeri**.

WP278: “Optimal Global Dynamic Carbon Taxation”, **David Anthoff**.

WP277: “Energy Use and Appliance Ownership in Ireland”, **Eimear Leahy, Seán Lyons**.

ESRI Seminars

“Contract Parameters’ Impacts on Coal Prices”, Ian Lange, University of Stirling (<http://www.econ.stir.ac.uk/People/staff/Lange/lange.htm>)

“Electricity Infrastructure Investment: Options for Ireland”, **Seán Diffney, Seán Lyons and Laura Malaguzzi Valeri**.

“EU Energy and Climate Change Policy”, Dieter Helm, University of Oxford.

“Energy Policy Issues for Ireland”, a joint ESRI Energy Policy Research Centre – UCD Electricity Research Centre Seminar.

ENVIRONMENT AND NATURAL RESOURCES

Current research in environmental economics and resource economics is focused on:

- Forecasting a range of emissions to air, water and solid waste (*ISus*);
- Valuation of environmental (dis)amenities;
- Waste policy; and
- Climate policy in Ireland (carbon tax) and abroad (*FUND*).

This year saw completion of the initial development of the *ISus* sustainable development model and an extended set of environmental accounts for Ireland, which were funded by the **Environmental Protection Agency** (EPA). The model and related datasets will be taken further in a follow-on project that aims to work towards Green Net National Accounts for Ireland. This will require additional research into valuation of environmental goods

Programme Coordinator: John Fitz Gerald

Other members of staff who work in this area include David Anthoff, Nicola Commins, Paul K. Gorecki, Hugh Hennessy, Eimear Leahy, Seán Lyons, Laura Malaguzzi Valeri, Karen Mayor, Liam Murphy, Edgar Morgenroth, Sue Scott and Richard S.J. Tol.

and coverage of a wider range of emissions and resources.

Also during 2009 a study on European climate policy was completed. It was financially supported by the EPA. This research shows that it is feasible to reduce the economic costs of the 20/20/20 package without violating its environmental integrity. Research also provided the first estimates of the number of vegetarians in the world, which is of relevance to future methane emissions from agriculture. Other research examined the options for replacing baseload electricity capacity in Ireland and we examined how firms react to energy taxes using a European panel dataset.

A major research project on waste management is described under the Competition and Regulation research programme.

Project Title	Client/Funding Agency	Status	Researchers
Climate Cost	European Commission, DG Research, FP7	In progress	R. S. J. Tol D. Anthoff
Critical Issues in Considering the Social Cost of Carbon in Economic Analysis of a Project	Asian Development Bank	Completed	R. S. J. Tol J. Acheson
Energy Use in Irish Freight Transport	ESRI Energy Policy Research Centre	In progress	L. Malaguzzi Valeri

Economic Growth and Environmental Sustainability

ENVIRONMENT AND NATURAL RESOURCES (continued)

Project Title	Client/Funding Agency	Status	Researchers
Irish Times	Environmental Protection Agency	In progress	R. S. J. Tol UCC (subcontracted)
Future Targets for Greenhouse Gas Mitigation in Ireland and International Climate Policy	Environmental Protection Agency	Completed	R. S. J. Tol J. Fitz Gerald S. Lyons S. Scott L. Malaguzzi Valeri H. Hennessy E. Leahy N. Commins
Security Implications of Climate Change	United States Environmental Protection Agency	In progress	R. S. J. Tol C. Devitt J. Goggin E. O'Donoghue
Social Cost of Carbon	United States Environmental Protection Agency	In progress	R. S. J. Tol D. Anthoff
Sustainable Development Research Model	Environmental Protection Agency	Completed	R. S. J. Tol J. Fitz Gerald E. Morgenroth S. Scott D. Anthoff N. Commins S. Lyons A. Nolan Teagasc (subcontractor)
Towards a Green Net National Product for Ireland	Environmental Protection Agency	In progress	R. S. J. Tol S. Lyons H. Hennessy E. Leahy
What's it Worth? The Perception of Economic Losses and Gains	Irish Research Council for the Humanities and Social Sciences (IRCHSS)	In progress	R. Layte P. Lunn

ENVIRONMENT AND NATURAL RESOURCES (continued)

Journal Articles and Chapters in Books

“AD-DICE: an Implementation of Adaptation in the DICE Model”, *Climatic Change*, Vol. 95, No. 1-2, July 2009, pp. 63-81, Kelly C. De Bruin, Rob B. Dellink, **Richard S. J. Tol**.

“Assessing Vulnerability of Selected Sectors Under Environmental Tax Reform: The Issue of Pricing Power”, *Journal of Environmental Planning and Management*, Vol. 52, Issue 3, 2009, pp. 413-433, **John Fitz Gerald**, Mary Keeney, **Susan Scott**.

“Assessing Vulnerability of Selected Sectors under Environmental Tax Reform: The Issue of Pricing Power”, M.S. Andersen and P. Ekins (eds.), *Carbon Energy Taxation: Lessons from Europe*, **John Fitz Gerald**, Mary Keeney, **Susan Scott**.

“Aviation and the Environment in the Context of the EU-US Open Skies Agreement”, *Journal of Air Transport Management*, Vol. 15, Issue 2, March 2009, pp. 90-95, Karen Mayor, **Richard S. J. Tol**.

“Convergence of Consumption Patterns During Macroeconomic Transition: A Model of Demand in Ireland and the OECD”, *Economic Modelling*, Vol. 26, Issue 3, May 2009, pp. 702-714, **Seán Lyons**, Karen Mayor, **Richard S. J. Tol**.

“Damage Costs of Climate Change through Intensification of Tropical Cyclone Activities: An Application of FUND”, *Climate Research*, Vol. 39, No. 2, 2009, pp. 87-97, Daiju Narita, **Richard S. J. Tol**, **David Anthoff**.

“Discounting for Climate Change”, *Economics: The Open-Access, Open-Assessment E-Journal*, Vol. 3, No. 2009-24, June 2009, **David Anthoff**, **Richard S. J. Tol**, Gary W. Yohe.

“Economic Impacts on Key Barents Sea Fisheries Arising from Changes in the Strength of the Atlantic Thermohaline Circulation”, *Global Environmental Change*, Vol. 19, Issue 4, October 2009, pp. 422-

433, Michael P. Link, **Richard S. J. Tol**.

“Environmental Accounts for the Republic of Ireland: 1990-2005”, *Journal of the Statistical and Social Inquiry Society of Ireland*, Vol. 37, 2007/8, pp. 190-216, **Seán Lyons**, Karen Mayor, **Richard S. J. Tol**.

“Equity Weighting and the Marginal Damage Costs of Climate Change”, *Ecological Economics*, Vol. 68, Issue 3, pp. 836-849, **David Anthoff**, Cameron Hepburn, **Richard S. J. Tol**.

“Holiday Destinations: Understanding the Travel Choices of Irish Tourists”, *Tourism Management*, Vol. 30, Issue 5, 2009, pp. 683-692, **Seán Lyons**, Karen Mayor, **Richard S. J. Tol**.

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“KLUM@GTAP: Introducing Biophysical Aspects of Land-Use Decisions into a Computable General Equilibrium Model a Coupling Experiment”, *Environment Modeling and Assessment*, Vol. 14, No. 2, April 2009, pp. 149-169, Kerstin Ronneberger, Maria Berritella, Francesco Bosello, **Richard S. J. Tol**.

“Kommentar zu Hans-Werner Sinn”, F. Beckenbach, U. Hampicke, C. Leipert, G. Meran, J. Minsch, H.G. Nutzinger, R. Pfriem, J. Weimann, F. Wirl & U. Witt (eds.), *Jahrbuch Ökologische Ökonomik Band 6: Diskurs Klimapolitik*, **Richard S. J. Tol**, **David Anthoff**.

“Marginal Abatement Costs of Greenhouse Gas Emissions: A Meta-analysis”, *Energy Policy*, Vol. 37, Issue 4, April 2009, pp. 1395-1403, Onno Kuik, Luke Brander, **Richard S. J. Tol**.

“Rebuilding the Eastern Baltic Cod Stock under Environmental Change (Part II): Taking into Account the Costs of a Marine Protected Area”, *Natural*

ENVIRONMENT AND NATURAL RESOURCES (continued)

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“Risk Aversion, Time Preference, and the Social Cost of Carbon”, *Environmental Research Letters*, Vol. 4, No. 2, 2009, **David Anthoff, Richard S. J. Tol**, Gary W. Yohe.

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“The Economic Effects of Climate Change”, *Journal of Economic Perspectives*, Vol. 23, No. 2, Spring 2009, pp. 29-51, **Richard S. J. Tol**.

“The Feasibility of Low Concentration Targets: An Application of FUND”, *Energy Economics*, Vol. 31, Supplement 2, 2009, December 2009, pp. S121-S130, **Richard S. J. Tol**.

“The Impact of Climate Change on the Balanced Growth Equivalent: An Application of FUND”, *Environmental and Resource Economics*, Vol. 43, No. 3, July 2009, pp. 351-367, **David Anthoff, Richard S. J. Tol**.

“Toward Farsightedly Stable International Environmental Agreements”, *Journal of Public Economic Theory*, Vol. 11, Issue 3, June 2009, pp. 455-492, Dritan Osmani, **Richard S. J. Tol**.

“Towards Regional Environmental Accounts for Ireland”, *Journal of the Statistical and Social Inquiry Society of Ireland*, Vol. 38, 2008/9, pp. 105-142, **Richard S. J. Tol, Nicola Commins, Niamh Crilly, Seán Lyons, Edgar Morgenroth**.

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ESRI Research Bulletins

“Assessing Vulnerability of Selected Sectors under Environmental Tax Reform”, ESRI Research Bulletin 2009/2/2, ESRI, Dublin, **John Fitz Gerald, Mary Keeney, Susan Scott**.

“Drinking Water Quality”, ESRI Research Bulletin 2009/2/3, ESRI, Dublin, **Nicola Commins, Seán Lyons, Richard S. J. Tol**.

“Why Worry About Climate Change?”, ESRI Research Bulletin 2009/1/1, ESRI, Dublin, **Richard S. J. Tol**.

Reports & Other Publications

Government Failure and Market Failure: On the Inefficiency of Environmental and Energy Policy, University of Oxford, Oxford, **David Anthoff**, Robert W. Hahn.

Policy Options to Reduce Ireland’s Greenhouse Gas Emissions, ESRI Research Series 9, ESRI, Dublin, Thomas Legge, **Susan Scott**.

ESRI Working Papers:

WP 335: “Cost-benefit Analysis of the Introduction of Weight-based Charges for Domestic Waste – West Cork’s Experience”, **Susan Scott, Dorothy Watson**.

WP 333: “Estimating Historical Landfill Quantities to Predict Methane Emissions”, **Seán Lyons, Liam Murphy, Richard S. J. Tol**.

WP 332: “International Climate Policy and Regional Welfare Weights”, Daiju Narita, **Richard S. J. Tol, David Anthoff**.

WP 329: “Climate Policy and Corporate Behaviour”, **Nicola Commins, Seán Lyons, Marc Schiffbauer, Richard S. J. Tol**.

ENVIRONMENT AND NATURAL RESOURCES (continued)

WP 325: “The EU 20/20/2020 Targets: An Overview of the EMF22 Assessment”, Christoph Böhringer, Thomas F. Rutherford, **Richard S. J. Tol**.

WP 324: “Counting Only the Hits? The Risk of Underestimating the Costs of Stringent Climate Policy”, Massimo Tavoni, **Richard S. J. Tol**.

WP 323: “International Cooperation on Climate Change Adaptation from an Economic Perspective”, Kelly C. De Bruin, Rob B. Dellink, **Richard S. J. Tol**.

WP 299: “EU Climate Change Policy 2013-2020: Using the Clean Development Mechanism More Effectively”, **Paul K. Gorecki, Seán Lyons, Richard S. J. Tol**.

WP 295: “Managing Household Waste in Ireland: Behavioural Parameters and Policy Options”, John Curtis, **Seán Lyons**, Abigail Callaghan-Platt.

WP 293: “Towards Regional Environmental Accounts for Ireland”, **Richard S. J. Tol, Nicola Commins, Niamh Crilly, Seán Lyons, Edgar Morgenroth**.

WP 290: “Intra- and Extra-Union Flexibility in Meeting the European Union’s Emission Reduction Targets”, **Richard S. J. Tol**.

WP 288: “Climate Feedbacks on the Terrestrial Biosphere and the Economics of Climate Policy: An Application of Fund”, **Richard S. J. Tol**.

WP 285: “The Feasibility of Low Concentration Targets: An Application of FUND”, **Richard S. J. Tol**.

WP 284: “Policy Options to Reduce Ireland’s GHG Emissions”, Thomas Legge, **Susan Scott**.

WP 282: “The Economic Impact of Ocean Acidification on Coral Reefs”, Luke M. Brander,

Katrin Rehdanz, **Richard S. J. Tol**, Pieter J. H. van Beukering.

WP 281: “Assessing the Impact of Biodiversity on Tourism Flows: A Model for Tourist Behaviour and Its Policy Implications”, Giulia Macagno, Maria Loureiro, Paulo A. L. D. Nunes, **Richard S. J. Tol**.

WP 280: “Advertising to Boost Energy Efficiency: the Power of One Campaign and Natural Gas Consumption”, **Seán Diffney, Seán Lyons, Laura Malaguzzi Valeri**.

WP 278: “Optimal Global Dynamic Carbon Taxation”, **David Anthoff**.

WP 276: “Discounting for Climate Change”, **David Anthoff, Richard S. J. Tol**, Gary W. Yohe.

WP 274: “Economic Costs of Extratropical Storms Under Climate Change: An Application of FUND”, Daiju Narita, **Richard S. J. Tol, David Anthoff**.

Papers Read to Conferences and Learned Societies

“A Computational Theory of Exchange”, Economics and Psychology Ireland Conference, November, **Pete Lunn**.

“Copenhagen: Hopes and Expectations”, presented at the EPA/ESRI Workshop on ‘Future Emission Targets and International Climate Policy’, July, and at the Climate Policy Seminar, Dublin, August, **Richard S. J. Tol**.

“Games of Climate Policy”, Workshop on ‘Coalitions for Climate Cooperation’, Venice, June, **Richard S. J. Tol**.

“How Low Can We Go?”, EMF22 Meeting, University of Maryland, March, **Richard S. J. Tol**.

“International Climate Policy”, Annual Conference of the European Association of Environmental and Resource Economics, Amsterdam, June, **Richard S. J. Tol**.

ENVIRONMENT AND NATURAL RESOURCES (continued)

“International Climate Policy between Rhetoric and Reality”, Open Meeting of the International Human Dimensions of Global Environmental Change Programme, Bonn, April, **Richard S. J. Tol**.

“National Decision Making on Climate Change and International Equity Weights”, Conference on Assessing the Benefits of Avoided Climate Change, Pew Center on Global Climate Change, Washington DC, United States, March, **David Anthoff**.

“Optimal Global Dynamic Carbon Taxation”, presented at the 17th Annual Conference of the European Association of Environmental and Resource Economists, Amsterdam, Netherlands, June, and at the CESifo Area Conference on Energy & Climate Economics, Munich, Germany, October, **David Anthoff**.

“The Economic Impact of Climate Change on Water Resources”, Pre-Conference of the European Association of Environmental and Resource Economists, Amsterdam, June, **Richard S. J. Tol**.

“The Impact of Climate Change on Water Resources: A CGE Analysis”, FEEM/OECD Workshop on Adaptation to Climate Change, Venice, April, **Richard S. J. Tol**.

“The Social Cost of Carbon”, National Academy of Sciences Conference, Washington, D.C., February, Department of Law, New York University, November, **Richard S. J. Tol**.

ESRI Seminars

“Social and Economic Effects of the Green Schools Programme”, Michael John O’Mahony, An Taisce.

“Intra- and Extra-union Flexibility for Meeting the EU Greenhouse Gas Emission Reduction Targets”, **Paul Gorecki, Seán Lyons, Richard S.J. Tol**.

“GIS Tools for Geospatial Forecast of Private Sector Timber Supply 2009-2028 in the Republic of Ireland”, Máirtín Mac Siúrtáin, University College Dublin.



TRANSPORT AND INFRASTRUCTURE

In 2009 research on transport and infrastructure covered a range of topics.

Firstly, collaborative research with staff from the **Central Statistics Office** utilising data from the Place of Work Census of Anonymised Records (POWCAR1) analysed the characteristics of the working population of larger towns and cities in Ireland. The research shows that there is substantial heterogeneity between towns. It also quantified the substantial commuting outflows from larger towns in the commuting belts around Dublin and Cork.

Secondly, to focus on sustainable forms of transport, research sought to develop a better understanding of current travel patterns and their determinants. An analysis of the joint decision of car ownership and mode of transport to work showed that travel and supply-side characteristics such as travel time, and public transport availability, as well as demographic and socio-economic characteristics, such as age and household composition, have significant effects on these decisions. The significant positive results observed for public transport use by those working in densely populated areas also add weight to the argument for the development of more concentrated employment districts.

Research on the deregulation of international trucking in the European Union found that deregulation had a large positive effect on the growth of international trucking. Shippers also shifted toward more outsourcing of their trucking needs, but this occurred to an even greater extent in local and national road transport. No evidence was found that deregulation disproportionately favoured carriers of countries that were initially more involved in international trucking.

Research on the factors influencing the destination of Irish tourists when making their

holiday destination choices found that destination characteristics, such as temperature, GDP and length of coastline at the destination country, positively influence the likelihood of choosing a given destination. While holiday destination preferences did not change much between 2000 and 2006, a trend towards more distant and richer countries was identified.

A review of options for capital spending in the more fiscally-constrained environment concluded that in the context of a relatively high cost per construction job created via public investment, public capital projects should be undertaken on the basis that they have a long-run return to the whole economy. Further research considered the economic impact of Metro-North, the single largest project under NDP 2007-2013 using two different methodologies. The hedonic pricing methodology would suggest that the Metro-North project should not proceed while the macroeconomic approach suggests the investment should go ahead.

TRANSPORT AND INFRASTRUCTURE (continued)

Programme Coordinator: Edgar Morgenroth

Other members of staff who work in this area include: Nicola Commins, Hugh Hennessy, Seán Lyons, Laura Malaguzzi Valeri, Karen Mayor, Anne Nolan, Richard S. J. Tol.

Project Title	Client/Funding Agency	Status	Researchers
Energy Use in Irish Freight Transport	ESRI Energy Policy Research Centre	In progress	L. Malaguzzi Valeri

Journal Articles and Chapters in Books

“Holiday Destinations: Understanding the Travel Choices of Irish Tourists”, *Tourism Management*, Vol. 30, Issue 5, 2009, pp. 683-692, 23 May 2009, **Seán Lyons**, Karen Mayor, **Richard S. J. Tol**.

“The Deregulation of International Trucking in the European Union: Form and Effect”, *Journal of Regulatory Economics*, Vol. 35, No 1, February 2009, pp.19-44, Francine Lafontaine, **Laura Malaguzzi Valeri**.

Reports & Other Publications

Census 2006 - A Profile of the Working Population of Large Towns, Stationery Office, Deirdre Cullen, Shaun McLaughlin, **Edgar Morgenroth**, Gerry Walker.

International Trucking in the European Union: Policies and Practices, North American Transportation Competitiveness Research Council, North America, **Laura Malaguzzi Valeri**.

ESRI Working Papers

WP 310: “Car Ownership and Mode of Transport to Work in Ireland”, **Nicola Commins**, **Anne Nolan**.

WP 301: “Estimating the Impact of Metro North”, **Edgar Morgenroth**.

WP 298: “Irish Public Capital Spending in a Recession”, **Edgar Morgenroth**.

Papers Read to Conferences and Learned Societies

“From Aspiration to Reality: Has the NSS Made a Difference?”, ‘Border, Midlands and West Regional Assembly Annual Conference’, Roscommon, April, **Edgar Morgenroth**.

“Autoregressive Conditional Heteroskedasticity”, GKSS Summer School, Lecce, October, **Richard S. J. Tol**.



Economic Growth and Environmental Sustainability

COMPETITION AND REGULATION

Competition and regulation research was first established as a distinct programme area at the ESRI in the Research Strategy 2008-2013. Previously, competition and regulation topics were addressed in other programmes. The identification of competition and regulation as a separate area reflects the increasing importance of regulation in the Irish economy, on the one hand, combined with a strengthened role for competition policy. Initially, competition and regulation will concentrate on energy, electronic communications and the environment.

In 2009 research was carried out on competition and regulation issues in a range of sectors. A study was carried out on the economics of waste

management services (funded by **Dublin City Council**), and this should be published in early 2010. Research was also completed on the appropriateness of the state providing bespoke protection in a recession, the proposed code of practice for grocery retailers, and the concept of countervailing buyer power as applied in a merger case. In relation to the environmental area, research considered appropriate mechanisms for ensuring competitive trading of emission permits and likely market outcomes. Work continued on a series of studies concerning efficient investment and regulatory choices in electricity generation, particularly in light of substantial planned increases in wind power capacity.

Programme Coordinator: Paul K. Gorecki

Other members of staff who work in this area include: Seán Lyons, Laura Malaguzzi Valeri, John Fitz Gerald, Stefanie Haller, and Richard S.J. Tol.

Project Title	Client/Funding Agency	Status	Researchers
An Economic Approach to Waste Management Policy and Regulation	Dublin City Council	Complete	S. Lyons J. Acheson

Journal Articles and Chapters in Books

“A Code of Practice for Grocery Goods Undertakings and an Ombudsman: How To Do a Lot of Harm by Trying to Do a Little Good”, *The Economic and Social Review*, Vol. 40, No. 1, Winter 2009, pp. 461-488, **Paul K. Gorecki**.

“Estimating the Impact of Price Regulation on Service Quality in Post”, M.A. Crew and P.R. Kleindorfer (eds.), *Progress In The Competitive Agenda In The Postal And Delivery Sector*, Gregory Swinand, **Seán Lyons**, Michael O’Grady, David Murphy.

“Future Challenges for Competition Policy in Ireland: A Personal Perspective”, *Trustbusters: Competition Policy Authorities Speak Out*, **Paul K. Gorecki**.

“The Kerry/Breeo Merger: Two Views of Countervailing Buyer Power – the Competition Authority and the High Court”, *European Competition Journal*, Vol. 5, No. 2, August 2009, pp. 585-612, **Paul K. Gorecki**.

“The Recession, Budgets, Competition, and Regulation: Should the State Supply Bespoke Protection?”, T. Callan (ed.), *Budget Perspectives 2010*, **Paul K. Gorecki**.

COMPETITION AND REGULATION (continued)

ESRI Working Papers

WP 320: “A Code of Practice for Grocery Goods Undertakings and An Ombudsman: How to Do a Lot of Harm by Trying to Do a Little Good”, **Paul K. Gorecki**.

WP 292: “EU Climate Change Policy 2013-2020: Thoughts on Property Rights and Market Choices”, **Paul K. Gorecki, Seán Lyons, Richard S. J. Tol**.

WP 291: “Measuring House Price Change”, **David Duffy**.

Papers Read to Conferences and Learned Societies

“Learning from the Past: Restricting Entry and Contractual Specification as Methods of Raising the Quality of Pharmacy Services in Ireland”, Health Economics Association of Ireland, October, **Paul K. Gorecki**.

ESRI Seminars

“Building Regulatory Capacity”, Cathal Guiomard, Commission for Aviation Regulation.

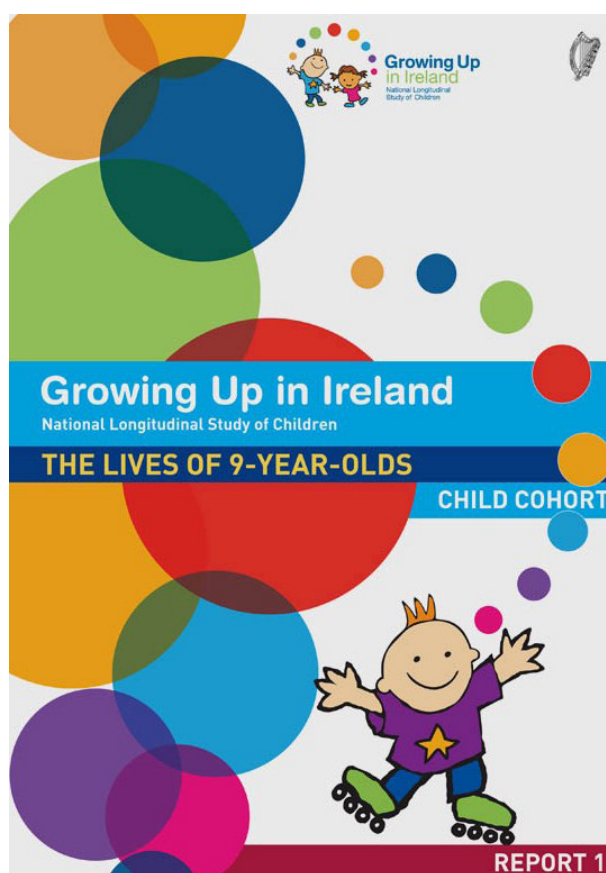
SURVEYS AND DATA FROM ADMINISTRATIVE RECORDS

During 2009, survey work continued on the major seven-year research programme involving a national longitudinal study of children – the **Growing Up in Ireland** study. This programme is being led jointly by the ESRI and Trinity College, Dublin in collaboration with a consortium of researchers from other national and international universities and research institutions. During the first quarter of 2009 interviewing was completed with the families of 11,100 nine-month-olds. These data are being prepared for analysis with a view to releasing first results in the summer of 2010.

The first results from the older cohort of nine-year-olds were launched by Mr Barry Andrews, TD (Minister for Children and Youth Affairs) in July 2009. This was followed by the launch of a major report and conference on the findings from the nine-year-cohort in December. At the first annual *Growing Up in Ireland* conference in December 2009, papers were delivered by members of the Study Team as well as by international contributors viz. Professor Michael Rutter, Institute of Psychiatry, King's College, London and Maudsley Hospital; Professor John Bynner, Institute of Education, London and Dr Satya Brink, Human Resources and Social Development, Canada. All data from the project will be lodged in the national data archive, ISSDA, early in 2010.

By identifying the main factors that contribute to or undermine the well-being of children in 21st century

Ireland, the survey and related research will help to frame effective and responsive policies for children and their families. The programme is funded by the **Department of Health and Children** through the **Office of the Minister for Children and Youth Affairs** in association with the **Department of Social and Family Affairs** and the **Central Statistics Office**.



Project Title	Client/Funding Agency	Status	Researchers
The National Longitudinal Study of Children in Ireland (NLSCI) – Growing Up in Ireland research programme	Department of Health and Children through the Office of the Minister for Children in association with the Department of Social and Family Affairs and the Central Statistics Office	In progress	J. Williams S. Greene (TCD) C. McCrory A. Murray A. Quail M. Thornton E. Doyle (TCD) E. Harris (TCD) L. Swords (TCD)

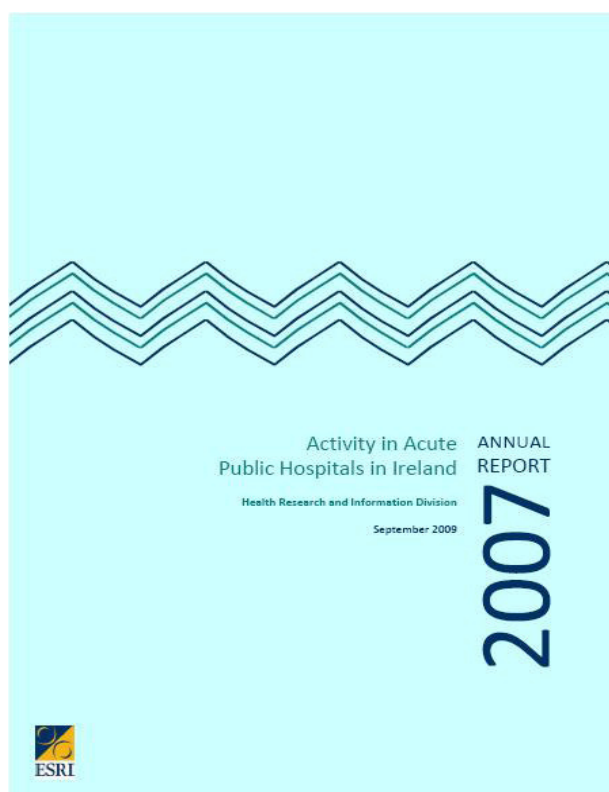
The ESRI, in partnership with an external fieldwork agency, completed the National Workplace Survey of Employers and the National Workplace Survey of Employees (for the **National Centre for Partnership and Performance**), which replicates surveys conducted by the ESRI in 2003. These surveys address the important issue of workplace innovation, which will be key to a restoration of Ireland's competitiveness and the development of the 'Smart Economy'. Also in partnership with an external fieldwork agency, the ESRI conducted a survey of women's experiences in the workplace during pregnancy (for the **Crisis Pregnancy Agency and Equality Authority**) to examine the impact of pregnancy and maternity leave on women's careers. During 2009, the ESRI also conducted surveys on sports participation and consumer sentiment, which feed directly into ongoing research at the Institute. The ESRI also designed and selected a national sample for the main survey of TILDA (the national survey on health, retirement and ageing) and for the European Social Survey (ESS, for UCD). These surveys and survey design exercises drew on the ESRI expertise in designing surveys to the best international standards.

ESRI researchers are now intensive users of the CSO micro data sets across a range of areas and access to these data sets, facilitated by the CSO, is providing new research opportunities that can contribute very significantly to policymaking. The key data sets that were used during 2009 were the Census of Population, Quarterly National Household Survey, EU-SILC, National Employment Survey, and the Census of Industrial Production.

The Institute has responsibility for developing two national data bases from administrative records, under funding from the **Health Service Executive**. During 2009 reports on the Hospital In-Patient Enquiry (HIPE) and the National Perinatal Information System (NPRS) were published and can be accessed on the ESRI website (www.esri.ie). These annual reports provide easily accessible and timely data for individuals or organisations with an interest in perinatal statistics and hospital discharge data. The HIPE Data Reporter facilitates direct access to HIPE data via the internet.

In January 2009 HIPE implemented the 6th Edition of the clinical coding scheme used for the HIPE (ICD-10AM/ACHI/ACS). This involved extensive training for 250 users from all hospitals nationally. In March, a Data Quality workshop was facilitated for a delegation from HIQA. Presentations covered quality assurance and audit processes and a review of case studies of data requests and analyses using W-HIPE Reporting Tools. Delegations from The Ministry of Health in Singapore in April and from The Institute of Public Health of the Republic of Slovenia in June visited the Division on study visits to learn about the work of the HIPE and NPRS Unit. A Casemix Education Day was held for HIPE managers in June facilitated by Professor Jason Sutherland from the University of Dartmouth, New Hampshire. Also in October the Health Economics Association of Ireland meeting was hosted by the Institute.

In 2009, the ESRI received funding from the **Irish Social Science Data Archive** (UCD) to prepare and document historic survey databases so that they will be widely available to researchers.



COMMISSIONED NATIONAL SURVEY PROJECTS

Project Title	Client/Funding Agency	Status	Researchers
Economic and Sports Monitor	Irish Sports Council, KBC Bank	In progress	D. Watson P. Lunn D. Duffy
European Social Survey - Sample Design, Design Weights and Technical Report	UCD	In progress	D. Watson
International Social Survey Program: Sample Weighting and Technical Report	UCD	Completed	D. Watson
Preparation of Historic Data Files for Archiving	Irish Social Science Data Archive	In progress	D. Watson J. Galway
National Workplace Survey 2009: Employees	National Centre for Partnership and Performance	In progress	P.J. O'Connell H. Russell D. Watson Partner: Amárach Research
National Workplace Survey 2009: Employers	National Centre for Partnership and Performance	In progress	P.J. O'Connell H. Russell D. Watson D. Byrne Partner: Amárach Research
The Irish Longitudinal Study on Ageing (TILDA): Sample Design and Selection	TCD	Completed	D. Watson
Women's Experience at Work During Pregnancy	Crisis Pregnancy Agency	In progress	H. Russell D. Watson J. Banks Partner: Amárach Research

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- (i) Research Fellow, Institute for the Study of Labour (IZA), University of Bonn.
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- (iii) Member, Council, Economic and Social Studies.
- (iv) Member, CSO National Consumer Price Index Review Group.

A. BERGIN

- (i) Member EUROFRAME – European Forecasting Network.
- (iii) ESRI Representative, CSO Expert Committee on Population Projections.

S. BONHAM

- (i) Member of Scientific Committee on EUROPERISTAT project.

D. BYRNE

- (i) Executive Board Member and Treasurer, Educational Studies Association of Ireland.
- (ii) Reviewer, *Irish Educational Studies*.
- (iii) Reviewer, *Journal of Youth Studies*.

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- (iii) Member, Technical Advisory Group of Social Inclusion Division.

M. DARMODY

- (i) Associate Editor (Production): *European Sociological Review*.
- (ii) Referee: *International Journal of Educational Development*.
- (iii) Reviewer: *TRAMES*.

- (iv) Reviewer: *Comparative Education*.

- (v) Reviewer: *Journal of Further and Higher Education*.

- (vi) Reviewer: *Irish Educational Studies*.

- (vii) Committee member: Bilingual Forum Ireland.

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- (i) President of the Irish Economic Association.
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- (iii) Member of the Green Enterprise Group.

S. HALLER

- (i) Guest lecturer, Ph.D. programme in Economics, Trinity College Dublin.
- (ii) Teaching assistant, Economics Department, Trinity College Dublin.

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- (i) Supervisor, Ph.D. candidate in Health Psychology, Royal College of Surgeons in Ireland.
- (ii) Lecturer, MA Course in Applied Social Studies, Trinity College Dublin.
- (iii) Lecturer, M.A. Course in Sociology of Health and Illness, University College Dublin.

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- (ii) ESRI representative on Royal Irish Academy Social Sciences Committee.

S. LYONS

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- (ii) Honorary Secretary, Statistical and Social Inquiry Society of Ireland.
- (iii) Member of OFWAT Future Regulation Advisory Panel.

Other Staff Commitments

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- (i) Member, Subcommittee on Public/Private Mix in Consultant Contract.
- (ii) Member, Joint Public/Private Mix Measurement Committee.
- (iii) Member, Joint DoHC/HSE Performance Information Group.
- (iv) Member, Performance Information Casemix Sub-Group of the Joint DoHC/HSE Performance Information Group.
- (v) Member, EuroDRG – Diagnosis-Related Groups in Europe: towards Efficiency and Quality (FP7).

S. McCOY

- (i) Member, Child Development and Education Expert Panel, National Longitudinal Study of Children in Ireland.
- (ii) Member, Editorial Board, *Irish Educational Studies*.
- (iii) Member of Expert Panel on Early School Leaving, Limerick Regeneration Programme.

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- (i) Joint Supervisor of Master's Thesis, Trinity College Dublin.

L. MALAGUZZI VALERI

- (i) Lecturer, Trinity College Dublin.

E. MORGENROTH

- (i) Trustee, Regional Studies Association.
- (ii) Treasurer, Regional Studies Association, London.
- (iii) Treasurer, Irish Branch, Regional Studies Association.
- (iv) Member of the Industry Advisory Board of the School of Construction, Faculty of the Built Environment at DIT.

- (v) Member, Department of Community, Rural and Gaeltacht Affairs, Expert Group on rural economy research.

D. MURPHY

- (i) Member of the International Advisory Panel, *Health Information Management Journal*.
- (ii) Member, World Health Organisation - Update Reference Committee.
- (iii) Member, CSAC – Coding Standards Advisory Committee (National Centre for Classification, Sydney Group).
- (iv) Member, Scientific Committee on GP Morbidity Coding for The Irish College of General Practitioners.
- (v) Member HIQA Health Information Standards Steering Committee (HISSC).

P. J. O'CONNELL

- (i) Member, Management Board, and Chair, Research Sub-Committee, the Bridge Project – the Probation and Welfare Service, the Irish Youth Foundation, and City of Dublin VEC.
- (ii) Board Member, European Consortium for Sociological Research.
- (iii) Irish Delegate to the OECD INES Network B.
- (iv) Irish Delegate, OECD Continuous Reporting System on Migration (SOPEMI). Member, Editorial Board, *Youth Studies*.
- (v) Member, International Editorial Board, *Journal of Youth Studies*.
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- (iii) Member, Joint DoHC/HSE Performance Information Group.
- (iv) Member, EuroDRG – Diagnosis-Related Groups in Europe: towards Efficiency and Quality (FP7).

F. RUANE

- (i) Member Editorial Board, *Journal of International and Economic Policy*.
- (ii) Member Editorial Board, *International Review of Economics and Finance*.
- (iii) Research Associate, Institute for International Integration Studies, Trinity College Dublin.
- (iv) Visiting Professor, Department of Economics, Trinity College, Dublin.
- (v) Council Member, The Statistical and Social Inquiry Society of Ireland.
- (vi) Council Member, Economic and Social Studies.
- (vii) Council Member, Foundation for Fiscal Studies.
- (viii) Member, Royal Irish Academy Policy Committee.
- (ix) Chairman, Central Statistics Office Audit Committee.
- (x) Member, Higher Education Authority.
- (xi) Member, Health Research Board.
- (xii) Member, Council of Economic Advisors to the First Minister of Scotland.

- (xiii) Member, IBEC Education Policy Committee.

- (xiv) Member, National Pensions Research Fund Commission.

- (xv) Member, Projects Committee, Foundation for Fiscal Studies.

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