

REVIEW OF RESEARCH 2013

CATION SKILLS & TRAINING POVERTY SOCIAL DISADVANTAGE TAX MOD
QUALITY HEALTH SYSTEMS HEALTH CARE QUALITY ACCESS TO HEALTH
E-COMMERCE ENERGY MARKETS RENEWABLE POWER CLIMATE POLIC
CTURE CHILDHOOD FAMILY AGEING IMMIGRATION TAX & WELFARE POLI
DELLING TRADE SMES HOUSEHOLD BEHAVIOUR PRODUCTIVITY INNOVA
ORKING CONDITIONS UNEMPLOYMENT HOUSING MARKETS GOVERNANC
L PATHWAYS SCHOOLS AND LEARNING SPECIAL EDUCATION NEEDS FUR
& TRAINING POVERTY SOCIAL DISADVANTAGE TAX MODELLING INCOME
H SYSTEMS HEALTH CARE QUALITY ACCESS TO HEALTHCARE HEALTH I
ENERGY MARKETS RENEWABLE POWER CLIMATE POLICY ENVIRONMEN
OOD FAMILY AGEING IMMIGRATION TAX & WELFARE POLICY REGULATION
DE SMES HOUSEHOLD BEHAVIOUR PRODUCTIVITY INNOVATION CONSUM
NDITIONS **SUSTAINABLE** SCHOOLS AND LEARNING **SOCIAL** HOUSING MA
WAYS **ECONOMIC GROWTH** ENERGY MARKETS **PROGRESS** SPECIAL E
ER EDUCATION SKILLS & TRAINING POVERTY SOCIAL DISADVANTAGE TA
OME INEQUALITY HEALTH SYSTEMS HEALTH CARE QUALITY ACCESS TO
ADBAND E-COMMERCE ENERGY MARKETS RENEWABLE POWER CLIMAT
FRASTRUCTURE CHILDHOOD FAMILYREGULATION MACRO MODELLING T
HOUSEHOLD BEHAVIOUR PRODUCTIVITY INNOVATION CONSUMER SENTI
NT HOUSING MARKETS GOVERNANCE WELLBEING INTEGRATION EDUC
NING SPECIAL EDUCATION NEEDS REGULATION MACRO MODELLING TRA
HOUSEHOLD BEHAVIOUR PRODUCTIVITY INNOVATION CONSUMER SENTI
NT HOUSING MARKETS GOVERNANCE WELLBEING INTEGRATION EDUC
NING SPECIAL EDUCATION NEEDS FURTHER AND HIGHER EDUCATION SI
DVANTAGE TAX MODELLING INCOME DISTRIBUTION INCOME INEQUALITY
TY ACCESS TO HEALTHCARE HEALTH INEQUALITIES BROADBAND E-COM





An Taoiseach Enda Kenny TD, Dr TK Whitaker and Mr Laurence Crowley (Chairman) with the editors and contributors at the launch of *Using Evidence to Inform Policy*, 27 November 2013

The Economic Research Institute was established in 1960 by a group of senior academics and public servants, led by Dr T.K. Whitaker. He identified the need for independent research to support economic policymaking in Ireland, and persuaded the Ford Foundation to provide seed funding for its establishment. The statistician, Dr R.C. Geary was appointed as its first Director.

Over 50 years later, the Institute's importance in providing authoritative research to inform public policy is widely recognised. This public good role is supported by an annual grant-in-aid from the Department of Public Expenditure and Reform; the grant has accounted for an average of 30 per cent of the Institute's income over the lifetime of the last *Research Strategy*. Most of the remaining funds needed to support the research of the ESRI comes from research programmes in partnership with government agencies and departments, commissioned research projects mostly by public bodies and competitive research programmes (e.g. EU Framework programmes, Irish Research Council, Health Research Board, Science Foundation Ireland). Membership subscriptions, subscriptions to the *Quarterly Economic Commentary* and philanthropic gifts also contribute to the Institute's income.

The ESRI is a company limited by guarantee, answerable to its Members and governed by a Council made up of interested individuals drawn from the academic, public and private sectors. The Institute's constitution stresses its independence, and the practice is to publish all research that reaches an appropriate academic standard.

Further information is available at www.esri.ie

CONTENTS

Introduction	5
Research Highlights	7
Research Areas	8
Macroeconomics	
Internationalisation and Competitiveness	
Energy and Environment	
Communications and Transport	
Labour Markets and Skills	
Migration, Integration and Demography	
Education	
Taxation, Welfare and Pensions	
Social Inclusion and Equality	
Health and Quality of Life	
Children and Young People	
Behavioural Economics	
National Study of Children (<i>Growing Up in Ireland</i>)	55
National Health Data Programmes	57
External Staff Commitments	59
Staff	63
In Memoriam	64



At the launch of *Using Evidence to Inform Policy* clockwise, from top left: Pete Lunn; An Taoiseach Enda Kenny TD with Roy Dooney; Laurence Crowley (Chairman ESRI) with Joseph Durkan; Dónal Garvey, Michael Connolly, Gerry O'Hanlon (ESRI Council) and Pat O'Hara; Frances Ruane (Director) with Dr TK Whitaker



INTRODUCTION

Ireland finally began to see the long-awaited economic recovery starting to take hold in 2013. Improvements were evident across most indicators, but of particular importance were the labour market indicators – they showed increased employment across many sectors, with unemployment finally reducing, albeit still at a high level. While emigration continues, flows of young people continue to be strong in both directions, reflecting differences in salaries and job opportunities across Europe.

The stronger economic performance supported Ireland's continued success in meeting the reform and fiscal targets set by the Troika, and in turn led to Ireland's successful exit from the Troika programme in December. The decision not to seek a contingency line of funding was based on confidence in the economy and possible political difficulties associated with seeking contingency funding at that time.

The ESRI continues to monitor and analyse the recovery process and to identify the different factors which help and hinder that process, together with the impact of policies on different types of households. We seek to focus on the key challenges facing policymakers and economic agents, particularly in relation to education and health. Specific projects reflect both our research strategy (published on the website) and the availability of funds for research from government departments/agencies and from research bodies.

Several projects and programmes during 2013 explored the direct and wider impact on society of the austerity programme agreed with the Troika. Another focus of the research published in 2013 was the book *Using Evidence to Inform Policy*. In a series of examples, it demonstrated how economic and social research can inform policymakers faced with policy challenges and options. Page 7 sets out some of the research highlights from 2013. Fuller details on our activities in each research area are set out in the following sections of the *Review*.

To summarise our research output in 2013, ESRI researchers published 58 journal articles, 26 book chapters and 36 reports, in addition to 13 Research Notes and 2 Special Articles published with the *Quarterly Economic Commentaries*. Summaries of research published in international journals were featured in 13 *Research Bulletins* and work in progress was disseminated in 25 ESRI Working Papers. In addition, the Institute undertook the next stage of the *Growing up in Ireland* project, which covered children at age 5 years. Anonymised research data from the survey have been prepared by the team for submitting to the Irish Social Science Data Archive where they can be accessed by researchers across Ireland.

During 2013 the Institute prepared a new research strategy for 2014-2018. Its focus is on providing evidence that can help policymakers support the national objectives of sustainable economic growth and social progress. Housing, enterprise development, further and higher education, healthcare financing, social inclusion and integration are among the areas prioritised for research over the coming five years.

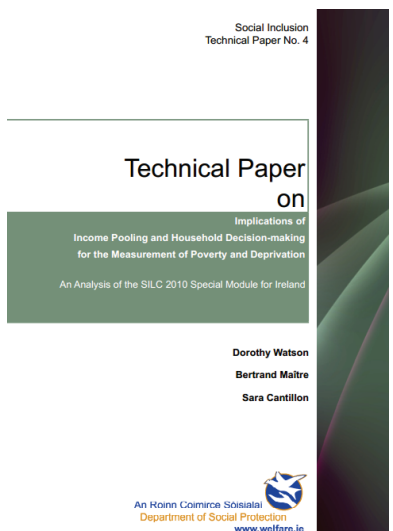
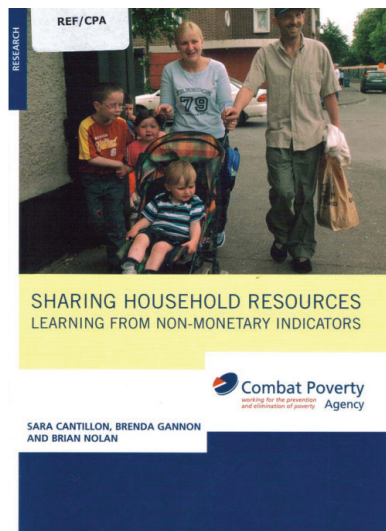
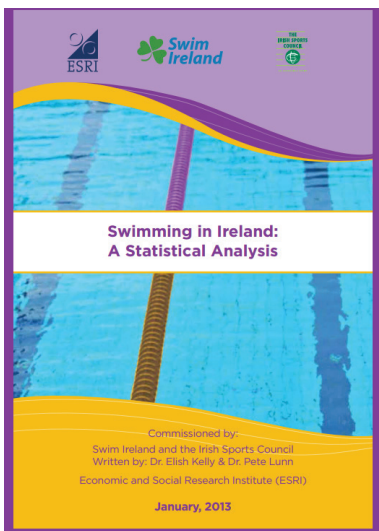
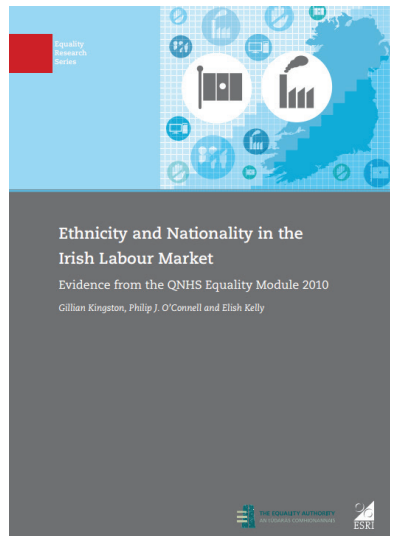
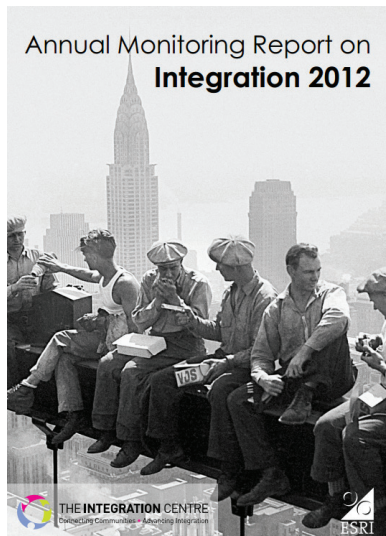
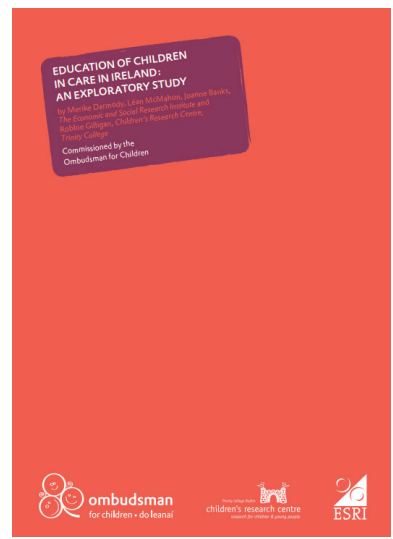
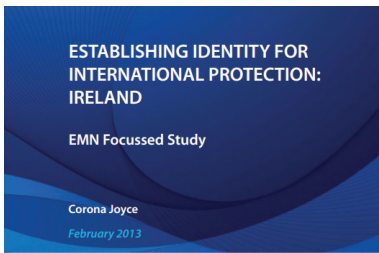
Finally, it is fitting to note here the death in early 2013 of Dr Kieran A. Kennedy, Director of the Institute from 1971 to 1996. He is remembered by his former colleagues for his very significant contribution to the development of the Institute over 25 years. This is outlined in the obituary on page 64.

Frances Ruane

Director

April 2014





SOME RESEARCH HIGHLIGHTS IN 2013

- **A new *Medium-Term Review***, completed in July 2013, identified the extent to which Ireland's economic recovery depends crucially on both growth in its major trading partners (particularly in the Euro area) and the appropriate choice of domestic policies.
- **Research on small- and medium-sized enterprises (SMEs)** focused on access to finance and the effect of credit constraints on SME employment and investment.
- **New energy research** found that Irish house buyers and renters were willing to pay a premium for more energy efficient homes.
- **Education researchers** found that broadband roll-out to schools was positively associated with higher test scores.
- **Communications researchers** measured the extent to which higher impact fees set by local authorities reduced investment in broadband infrastructure.
- **Labour market researchers** made extensive use of longitudinal administrative data from the Department of Social Protection to develop new profiling systems designed to increase the effectiveness of labour market activation policies.
- **Migration researchers**, using new data on older people, found that older return migrants suffered higher levels of loneliness and isolation than their equivalents who had never left Ireland.
- **New research on taxation and welfare**, using the ESRI *SWITCH* model, found that the largest losses associated with the Great Recession were concentrated in the bottom and top deciles.
- **Research on welfare policy** found that Irish social transfers have (in a comparative EU context) been highly effective in alleviating poverty.
- Other **research on taxation** showed that commonly-used measures of the tax ratio, based on tax revenues as a share of GDP, are misleading. When taxable capacity is measured more appropriately, Ireland's tax ratio is in the lower middle reaches of the EU range, and not the lowest in the EU as the GDP-based measures suggest.
- **Health researchers** engaged in major studies of the cost effectiveness of different types of palliative care and treatments for patients who have suffered strokes.
- The Institute participated in a major European study which looked at how Ireland has managed the **delivery of health services** in the face of significantly reduced budgets since 2008.
- Research, based on the *Growing Up in Ireland* data, has identified the key early life factors explaining variations in childhood obesity, now considered a major health risk for Ireland.
- Publication of *Using Evidence to Inform Policy*

In the following pages, we outline the work undertaken in each of the research areas in 2013.

1. MACROECONOMICS

Research Area Coordinator: John FitzGerald

Others working in this area include: Adele Bergin, David Byrne, Niall Conroy, David Duffy, Joe Durkan, Petra Gerlach-Kristen, Ide Kearney, Seamus McGuinness, Niall McInerney, Rossana Merola, Edgar Morgenroth, Conor O'Toole, Iulia Siedschlag, John R. Walsh, Dorothy Watson, Nuša Žnuderl.

A major feature of macroeconomic research at the ESRI is the development and maintenance of a suite of economic models. These models are used extensively in a range of studies on medium-term macroeconomic forecasting and policy analysis and also to inform research on other aspects of the economy, such as energy demand, environmental impact, skills needs, and housing demand. The ESRI is currently working with the **Central Bank of Ireland** on developing new models to meet the changing needs of policymakers.

Recent research has focused on the macroeconomic consequences of the crisis for the Irish economy and possible paths to recovery. This has informed the Institute's *Medium-Term Review*, which was released in July. It has shown clearly the extent of Ireland's dependence on growth in its major trading partners for its own economic recovery. Research on short-term issues, released via the *Quarterly Economic Commentary*, has identified the conflict between indicators in relation to economic recovery.

The ESRI's continuing work on measuring and understanding the role of fiscal policy in Ireland has pointed to the importance of sticking to medium-term fiscal plans. The *HERMES* model of the Irish economy was used to estimate the multiplier effects of different types of taxation, suggesting that taxes on property and carbon would be less damaging to employment than taxes on labour. Analysis using this model fed into policy work in the **Department of Finance**, **Sustainable Energy Authority of Ireland (SEAI)**, and the **Department of the Environment**.

The evolution of the housing market in recent years has been a key feature of the current crisis. A research programme commenced in 2013, funded by **National Asset Management Agency** and **Irish Bankers Federation**, looking at factors driving the housing market. Using the ESRI demographic model, this

research is exploring: the implications of demographic change and economic recovery for housing demand; the interaction of demand for credit with the housing market; and regional differences in housing needs.

ESRI research on the broader EU economy, undertaken in collaboration with colleagues in EUROFRAME, provided a forecast for the Euro area economy early in 2013, *Economic Assessment of the Euro Area: Winter 2012/13 Report*. This research showed the serious negative impact on growth of the pro-cyclical policies pursued in the Euro area in 2012 and 2013. The results of research into the dynamics of economic adjustment in the Euro area were published early in the year, showing that adjustment in the current account typically occurs before adjustment in government borrowing.

Finally, research began in 2013 exploring the microeconomics underpinning macroeconomic adjustments, using data on households and small and medium enterprises. This research will contribute to understanding the process of recovery in the economy, and the barriers to recovery arising from the limitations of access to finance on households and businesses.



Petra Gerlach-Kristen with Philip Lane (TCD) at the ESRI 'Budget Perspectives' Conference, 25 June 2013

MACROECONOMICS

Project Title	Client/Funding Agency	Status	Researchers
Medium-Term Macroeconomic Modelling Support	Department of Finance	Completed	J. FitzGerald E. Morgenroth A. Bergin D. Byrne I. Siedschlag S. McGuinness C. O'Toole
Spatial Development Patterns - Implications for the Medium-Term Economic Strategy	Department of Finance	Completed	E. Morgenroth
Irish Aid IDEAS Programme Vietnam	Irish Aid	In Progress	J. FitzGerald I. Kearney D. Duffy A. Bergin E. Morgenroth
Co-operation with Department of Finance on Medium-Term Model	Grant-in-Aid	In Progress	J. FitzGerald A. Bergin I. Kearney D. Byrne
Medium-Term Economic Review and Outlook for Ireland	Grant-in-Aid	In Progress	J. FitzGerald A. Bergin I. Kearney N. Žnuderl
Current Trends in the Irish Economy: Quarterly Economic Commentary	Grant-in-Aid	In Progress	J. Durkan D. Duffy D. Byrne K. Timoney J. FitzGerald
Economic Assessment of the Euro Area	Grant-in-Aid	In Progress	J. FitzGerald A. Bergin N. Žnuderl EUROFRAME Group
Consumer Sentiment Index	KBC Bank	In Progress	D. Duffy D. Watson K. Timoney

MACROECONOMICS

Project Title	Client/Funding Agency	Status	Researchers
Savings Index for Ireland	Nationwide UK	In Progress	D. Duffy D. Watson K. Timoney
Constructing a Measure of Average Rent - <i>Historic Report</i>	The Housing Agency/ PRTB	Completed	D. Duffy K. Timoney J. R. Walsh
Constructing a Measure of Average Rent – <i>Quarterly Reports</i>	The Housing Agency/PRTB	In Progress	D. Duffy K. Timoney J. R. Walsh
Investigating Levels of Net Disposable Income available to Customers after the Payment of Commitments	AIB	Completed	P. Gerlach-Kristen B. O’Connell
Survey Consultancy: Household Financial Survey	Central Bank of Ireland	Completed	D. Watson
Forecasting Model – Programme Funding	Central Bank of Ireland	In Progress	P. Gerlach-Kristen I. Kearney A. Bergin N. McInerney R. Merola N. Conroy
Residential Property Research Programme	NAMA, Irish Bankers Federation	In Progress	D. Duffy P. Lunn J. FitzGerald E. Morgenroth P. Gerlach-Kristen D. Byrne N. McInerney

MACROECONOMICS

PUBLICATIONS

Journal Articles

“Financial Crisis, Economic Adjustment and a Return to Growth in the EU”, *Revue de l’OFCE*, No.127, pp. 277-302, **John FitzGerald**.

“Fiscal Consolidation and the Implications of Social Spending for Long-term Fiscal Sustainability”, *Review of Economics and Institutions*, Vol. 4, No. 3, December 2013, pp. 1-26, **Rossana Merola**, Douglas Sutherland.

“Fiscal Forecast Errors: Governments Versus Independent Agencies?”, *European Journal of Political Economy*, Vol. 32, December 2013, pp. 285-299, **Rossana Merola**, Javier J. Pérez.

“The Importance of Banks in SME Financing: Ireland in a European Context”, *Central Bank of Ireland — Economic Letters*, Vol. 2013, No. 5, pp. 1-8, Martina Lawless, Fergal McCann, **Conor O’Toole**.

Reports and Other Publications

Medium-Term Review: 2013-2020, No. 12, ESRI Forecasting Series, ESRI, Dublin, **John FitzGerald, Ide Kearney** (eds.) **John FitzGerald, Ide Kearney, Adele Bergin**, Thomas Conefrey, **David Duffy, Kevin Timoney, Nuša Žnuderl**.

Quarterly Economic Commentary, Winter 2013, **David Duffy, John FitzGerald, Kevin Timoney, David Byrne**.

Quarterly Economic Commentary, Autumn 2013, **David Duffy, John FitzGerald, Kevin Timoney, David Byrne**.

Quarterly Economic Commentary, Spring 2013, **David Duffy, Kevin Timoney**.

Quarterly Economic Commentary, Winter 2012, **David Duffy, Joe Durkan, Kevin Timoney, Eddie Casey**.

Using Evidence to Inform Policy, Gill and MacMillan, Dublin, **Frances Ruane, Pete Lunn** (eds.).

Chapters in Books and Reports

“Fiscal Consolidation Strategies: Evidence from the International Experience”, Eddie Casey, **Joe Durkan, David Duffy** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 187-216, Dublin: Gill and MacMillan, 2013.

“Increasing the Contribution of Evidence to Policy”, **Frances Ruane, Pete Lunn** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 266-274, Dublin: Gill and Macmillan, 2013.

“Offshoring, Inward Investment and Export Performance in Ireland”, Frank Barry, **Adele Bergin** in A. Bardhan, C. A. Kroll, D. M. Jaffee (eds.), *The Oxford Handbook of Offshoring and Global Employment*, pp. 311-334, Oxford: Oxford University Press, 2013.

“Protecting Consumers of Financial Services”, **Pete Lunn** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 162-186, Dublin: Gill and MacMillan, 2013.

“Should Loan-to-Value Ratios be Limited? The International Evidence”, **David Duffy** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 39-55, Dublin: Gill and MacMillan, 2013.

“Two Recessions and a Boom: Where Next for Ireland?”, **John FitzGerald** in W. Huber, S. Mayer, J. Novak (eds.), *Irish Studies in Europe, Ireland in/and Europe: Cross-Currents and Exchanges*, Vol.4, pp. 173-188, WVT Wissenschaftlicher Verlag Trier, 2013.

“When and How can Evidence Inform Policy?”, **Frances Ruane, Pete Lunn** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 1-22, Dublin: Gill and Macmillan, 2013.

QEC Special Articles and Research Notes

“The Impact of Fiscal Policy on the Economy”, *QEC Research Note No. 2013/3/1*, **John FitzGerald**.

“The PRTB Rent Index”, *QEC Research Note No. 2013/2/4*, **David Duffy, Kevin Timoney, John R. Walsh**.

MACROECONOMICS

“SME Debt and Interest Costs in Ireland”, *QEC* Research Note No. 2013/2/3, **Conor O’Toole, Petra Gerlach-Kristen, Brian O’Connell**.

“An Alternative Index of Industrial Production for Ireland using Manufacturing Wages”, *QEC* Research Note No. 2013/2/2, **Kevin Timoney**.

“The Effect on Major National Accounting Aggregates of the Ending of Pharmaceutical Patents”, *QEC* Research Note No. 2013/2/1, **John FitzGerald**.

“Younger and Older Households in the Crisis”, *QEC* Research Note No. 2013/1/4, **Petra Gerlach-Kristen**.

“Measuring Credit Constraints for Irish SMEs”, *QEC* Research Note No. 2013/1/3, **Conor O’Toole, Petra Gerlach-Kristen, Brian O’Connell**.

“The Effect of Re-domiciled Plcs on Irish Output Measures and the Balance of Payments”, *QEC* Research Note No. 2013/1/2, **John FitzGerald**.

“Trends in Consumption since the Crisis”, *QEC* Research Note No. 2012/4/4, **Brian O’Connell, Conor O’Toole, Nuša Žnuderl**.

“The Regional Dimension of the Unemployment Crisis”, *QEC* Research Note No. 2012/4/3, **Edgar Morgenroth**.

ESRI Working Papers

WP472: “Does Bank Market Power Affect SME Financing Constraints?”, Robert Ryan, **Conor O’Toole**, Fergal McCann.

WP471: “Consumption and Credit Constraints: A Model and Evidence for Ireland”, **Petra Gerlach-Kristen, Rossana Merola**.

WP467: “SME Credit Constraints and Macroeconomic Effects”, **Petra Gerlach-Kristen, Brian O’Connell, Conor O’Toole**.

WP463: “Negative Equity in the Irish Housing Market: Estimates Using Loan Level Data”, **David Duffy, Niall O’Hanlon**.

WP460: “The *HERMES*-13 macroeconomic model of the Irish economy”, **Adele Bergin**, Thomas Conefrey, **John FitzGerald, Ide Kearney, Nuša Žnuderl**.

WP457: “The Effect of Unemployment, Arrears and Negative Equity on Consumption: Ireland in 2009/10”, **Petra Gerlach-Kristen**.

WP450: “Bank-lending Constraints and Alternative Financing during the Financial Crisis: Evidence from European SMEs”, Eddie Casey, **Conor O’Toole**.

WP449: “Euro area CDS spreads in the crisis: The Role of Open Market Operations and Contagion”, **Petra Gerlach-Kristen**.

WP448: “User Cost of Debt-Financed Capital in Irish Manufacturing Industry: 1985 – 2011”, **Nuša Žnuderl, Ide Kearney**.

Other Papers

“The Role of Financial Frictions During the Crisis: An Estimated DSGE Model”, National Bank of Belgium Working Paper No. 249, National Bank of Belgium, Brussels, **Rossana Merola**.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“A Sustainable Growth Model for the Irish Economy”, GMIT, Galway, October, **John FitzGerald**.

“Bank Lending Constraints and Alternative External Finance Since the Financial Crisis: Evidence from European SMEs”, 5th International IFABs Conference: ‘The Search for Financial Stability’, International Finance and Banking Society, Nottingham, UK, June, **Conor O’Toole**.

“Economic Analysis and Policy-Making: Irish Successes and Failures”, New Zealand Government Economic Network, Wellington, December, **John FitzGerald**.

“Fiscal Sustainability in the Medium Term”, ESRI ‘Budget Perspectives’ Conference, Dublin, June, **John FitzGerald**.

MACROECONOMICS

“From Reforms to Growth”, Konrad-Adenauer-Stiftung, Berlin, December, **Rossana Merola**.

“Investment Financing and Financial Development”, Presentation to European Bank for Reconstruction and Development (EBRD): ‘Understanding Banks in Emerging Markets’, London, September, and *European Economic Association* Annual Conference, Gothenburg, Sweden, August, **Conor O’Toole**.

“Ireland and Spain in the Crisis: the Tortoise and the Hare?”, OECD - NERO Conference, Paris, June, **John FitzGerald**.

“Ireland’s Economic Strategy in an Evolving European Context”, ‘Ireland in Europe after 40 years’ Conference, UCD Spring School, February, **John FitzGerald**.

“Medium-Term Review”, IIEA, Dublin, July, **John FitzGerald**.

“Navigating a Course for Europe: Ireland in an Anglo-Saxon World”, Conference: ‘Royaume-Uni, Irlande, Etats-Unis: la relation économique transatlantique en question au XXI^e siècle’, Paris, February, **John FitzGerald**.

“Paths to Recovery”, Irish Management Consultants Association, Dublin, June; Small Firms Association Conference, Dublin, June; ECR Conference, Dublin, September, **John FitzGerald**.

“The Consequences of an Exit of the UK from the EU”, 24th Colmcille Winter School, Donegal, February, **Edgar Morgenroth**.

“The Geography of an Economic Crash: A Crash Site Investigation”, Regional Studies Association Conference on Regional Economic Resilience, Cork, February, **Edgar Morgenroth**.

“The Implication of Ageing and Social Spending for Fiscal Consolidation”, II UECE Conference on Economic and Financial Adjustment in Europe, ISEG, Lisbon, June, **Rossana Merola**.

“The Irish Housing Market”, Chartered Institute of Housing Conference, Belfast, June, **David Duffy**.

“The Role of Financial Frictions during the Crisis: An Estimated DSGE Model”, XXII Conference on Money Banking and Finance at the University of Rome LUISS, Rome, December, **Rossana Merola**.

ESRI SEMINARS

“The *HERMES*-13 Macroeconomic Model of the Irish Economy”, **John FitzGerald**, Thomas Conefrey, Central Bank of Ireland.

“The Role of Economists in Government and their Contribution to Evidence-based Policymaking: The Scottish Experience”, Gary Gillespie, Scottish Government Director and Chief Economist.

“What Explains the German Labour Market Miracle in the Great Recession?”, Michael Burda, Humboldt University of Berlin.



2. INTERNATIONALISATION AND COMPETITIVENESS

Research Area Coordinator: Iulia Siedschlag

Others working in this area include: Adele Bergin, John FitzGerald, Stefanie Haller, John McQuinn, Edgar Morgenroth, Gavin Murphy, Brian O'Connell, Conor O'Toole, Anne Pentecost, Frances Ruane.

Researchers in this area focus primarily on the key factors and policies underlying Ireland's competitiveness and economic growth in the context of increased global interdependencies. Specifically, researchers investigate the links between economic internationalisation, technological change, innovation, productivity, and employment growth using micro-data sets. In 2013 the research addressed three themes:

(a) Internationalisation of Services, Innovation, Productivity and Employment Growth. This research was part of a multi-year international project (**SERVICEGAP**) funded under the **EU RTD 7th Framework Programme**. In 2013 it analysed the following policy relevant questions: (i) the effects of internationalisation of services on enterprise innovation, productivity and employment growth; (ii) the effects of foreign investment on enterprise productivity across countries; and (iii) the determinants of enterprise engagement in international outsourcing. The research provided novel empirical evidence from Ireland and other European Union countries on the extent of the internationalisation of services and its effects on enterprise innovation, productivity and employment growth. In addition, it uncovered similarities and differences among manufacturing enterprises. This empirical evidence is contributing to the knowledge base for designing policies in the context of Europe 2020, the European Union's *Strategy for Smart, Sustainable and Inclusive Growth*.

(b) Access to External Financing and Enterprise Growth. Research started in 2013 on a study commissioned by the **European Commission's Directorate General Enterprise and Industry**. This research provides empirical evidence on the nature, extent and causes of financial constraints faced by enterprises in the European Union during the recent financial crisis, as well as their impact on enterprise growth. Specifically, it examines how the recent financial crisis has affected the behaviour and performance of enterprises with different degrees

of financial dependence, in particular with respect to investment, employment, productivity and export performance. This evidence will inform strategy and policies to assist enterprises in EU countries in obtaining access to external finance, and support growth by addressing financial market imperfections.

(c) Drivers of SMEs Internationalisation: Implications for Enterprise Growth and Competitiveness. Research started in 2013 for this study commissioned by the European Commission's Directorate General Enterprise and Industry. Its objective is to provide empirical evidence on the degree and modes of internationalisation of SMEs in the European Union and the link between international activities and enterprise growth. The study examines: (i) the determinants of outward internationalisation choices of SMEs including exporting, foreign direct investment and international outsourcing; (ii) the relationship between the different outward internationalisation modes; and (iii) the patterns of exporting by SMEs in Ireland by their principal export product and destination markets. This evidence will inform policies to assist enterprises in Ireland and the European Union countries to improve their internationalisation and growth strategies.



An Tánaiste, Eamon Gilmore TD addresses the ESRI conference 'Reaping the Benefits of Globalisation: Opportunities and Challenges for Europe and Ireland', March 2013

INTERNATIONALISATION AND COMPETITIVENESS

Project Title	Client/Funding Agency	Status	Researchers
Globalisation and Ireland's Export Performance	Grant-in-Aid	Completed	F. Ruane I. Siedschlag G. Murphy
The Impact of Service Sector Innovation and Internationalisation on Growth and Productivity (SERVICEGAP)	European Commission, DG Research and Innovation, FP7	Completed	I. Siedschlag J. FitzGerald S. Haller J. McQuinn G. Murphy
Employment 2025: How will Multiple Transitions Affect the European Labour Market (NEUJOBS)	European Commission, DG Research and Innovation, FP7	In Progress	I. Siedschlag J. McQuinn G. Murphy
European Competitiveness Report 2014 – Study on Access to External Financing and Firm Growth	European Commission – DG Enterprise and Industry	In Progress	I. Siedschlag G. Murphy C. O'Toole B. O'Connell
European Competitiveness Report 2014 – Study on Drivers of SMEs Internationalisation: Implications for Firm Growth and Competitiveness	European Commission – DG Enterprise and Industry	In Progress	I. Siedschlag G. Murphy

PUBLICATIONS

Journal Articles

“Alternative Approaches to Sentencing in Cartel Cases: The European Union, Ireland and the United States”, *European Competition Journal*, Vol. 9, No. 2, 2013, pp. 341-382, **Paul K. Gorecki**, Sarah Maxwell.

“Human Capital and Growth of Information and Communication Technology-intensive Industries: Empirical Evidence from Open Economies”, *Regional Studies*, Vol. 47, Issue 9, October 2013, pp. 1403-1424, **Gavin Murphy**, **Iulia Siedschlag**.

“Is Foreign Direct Investment to China Crowding Out the Foreign Direct Investment to Other Countries?”, *China Economic Review*, Vol. 25, June 2013, pp. 1-16, Laura Resmini, **Iulia Siedschlag**.

“Sentencing in Criminal Cartel Cases in Ireland: the Duffy Judgement”, *European Competition Law Review*, Vol. 34, Issue 5, 2013, pp. 239-248, **Paul K. Gorecki**, Sarah Maxwell.

“What Determines the Location Choice of Multinational Firms in the Information and Communication Technologies Sector?”, *Economics of Innovation and New Technology*, Vol. 22, Issue 6, 2013, pp. 581-600, **Iulia Siedschlag**, Xiaoheng Zhang, Donal Smith, Camelia Turcu.

INTERNATIONALISATION AND COMPETITIVENESS

“What Determines the Location Choice of R&D Activities by Multinational Firms?”, *Research Policy*, Vol. 42, Issue 8, September 2013, pp. 1420-1430, **Iulia Siedschlag**, Donal Smith, Camelia Turcu, Xiaoheng Zhang.

Reports and Other Publications

International Investment and Firm Performance: Empirical Evidence from Small Open Economies, ETLA Research Report No. 6, ETLA — Research Institute of the Finnish Economy, Ville Kaitila, **John McQuinn**, **Iulia Siedschlag**, Xiaoheng Zhang.

Labour Relations and Modes of Employment, NEUJOBS, a European Research Consortium, Europe, Olaf Van Vliet, Miroslav Beblavy, Koen Caminada, Stefan Domonkos, Jan Drahokoupil, Kees Goudswaard, Ferry Koster, Lucia Kureková, **John McQuinn**, Maria Munderlein, **Gavin Murphy**, Martin Myant, **Iulia Siedschlag**.

Chapters in Books and Reports

“Boosting Innovation and Productivity in Enterprises: What Matters? What Works?”, **Frances Ruane**, **Iulia Siedschlag** in **Frances Ruane**, **Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 96-117, Dublin: Gill and MacMillan, 2013.

“Globalization and Ireland’s Export Performance”, **Frances Ruane**, **Iulia Siedschlag**, **Gavin Murphy** in Louis Brennan (ed.), *Enacting Globalization: Multidisciplinary Perspectives on International Integration*, pp. 205-218, Basingstoke: Palgrave Macmillan, 2013.

“Providing Economic Security Through Competition and Regulatory Policy: What Is the Evidence?”, **Paul K. Gorecki** in **Frances Ruane**, **Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 140-161, Dublin: Gill and Macmillan, 2013.

ESRI Research Bulletins

“Boosting Foreign Direct Investment in the Information and Communication Technologies Sector: What Works?”, ESRI Research Bulletin No. 2013/2/8, **Iulia Siedschlag**.

“Letting the Punishment Fit the Crime: Sentencing in Cartel Cases in Ireland”, ESRI Research Bulletin No.

2013/2/1, **Paul K. Gorecki**.

“The Impact of Foreign Direct Investment to China on Foreign Direct Investment to Other Countries”, ESRI Research Bulletin No. 2012/4/4, Laura Resmini, **Iulia Siedschlag**.

ESRI Working Papers

WP451: “Globalisation and Ireland’s Export Performance”, **Frances Ruane**, **Iulia Siedschlag**, **Gavin Murphy**.

WP447: “The US and Ireland Approach to Sentencing in Cartel Cases: the Citroen Case”, **Paul K. Gorecki**, Sarah Maxwell.

ESRI Submissions

“Submission to the Competition Authority in Response to the Draft Merger Guidelines for Consultation”, ESRI Submission No. 2013/1, **Paul K. Gorecki**.

Other Papers

“Determinants of Offshoring: Empirical Evidence from Ireland”, SERVICEGAP Discussion Paper No. 38, University of Birmingham, Birmingham, **Gavin Murphy**, **Iulia Siedschlag**.

“Foreign Investment and Firm Productivity: A Meta-Analysis”, SERVICEGAP Discussion Paper No. 27, University of Birmingham, Birmingham, **John McQuinn**, **Iulia Siedschlag**

“Innovation and Productivity in Services: Evidence from Germany, Ireland and the United Kingdom”, SERVICEGAP Discussion Paper No. 42, University of Birmingham, Birmingham, Bettina Peters, Rebecca Riley, **Iulia Siedschlag**, Priit Vahter, **John McQuinn**.

“The Influence of Technological and Non-Technological Innovation on Employment Growth in European Service Firms”, SERVICEGAP Discussion Paper No. 40, University of Birmingham, Birmingham, Bettina Peters, Rebecca Riley, **Iulia Siedschlag**.

INTERNATIONALISATION AND COMPETITIVENESS

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“A Sustainable Growth Model for the Irish Economy”, Bundesbank, Frankfurt, September, and IGEES Conference, Dublin, September, **John FitzGerald**.

“Boosting Enterprise Innovation and Productivity: What Matters? What Works?”, Conference: ‘Reaping the Benefits of Globalisation. What are the Opportunities and Challenges for Ireland?’, ESRI International Conference, Dublin, March, **Iulia Siedschlag**.

“Boosting Productivity in Small Open Economies: Lessons from the Republic of Ireland”, Annual Northern Ireland Economic Conference 2013, Belfast, September, **Iulia Siedschlag**.

“Determinants of Offshoring: Empirical Evidence from Ireland”, International Conference: ‘Production, R&D and Knowledge Offshoring: Economic Analyses and Policy Implications’, Milan, Italy, September, **Iulia Siedschlag**.

“Employment Protection and Innovation Intensity”, 3rd SEEK Conference: ‘Engines for More and Better Jobs in Europe’, Centre for European Economic Research (ZEW), Mannheim, Germany, April and at the European

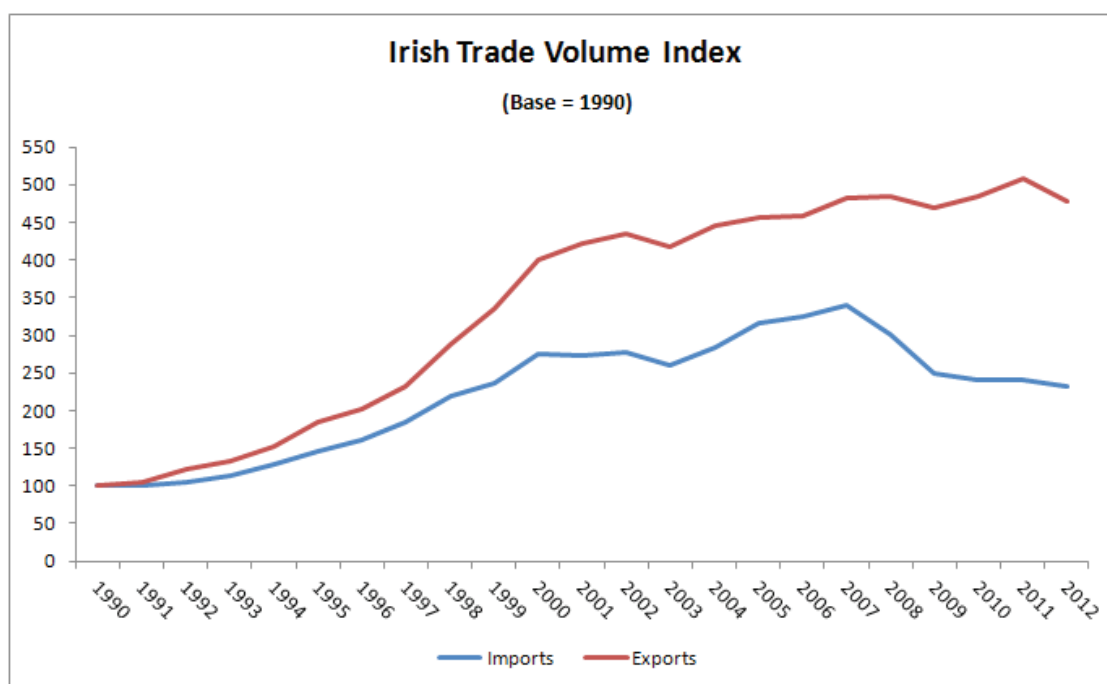
Economic Association Annual Congress, Gothenburg, Sweden, August, **Iulia Siedschlag**.

“Internationalisation of Services and Firm Performance: Empirical Evidence and Policy Implications for Europe 2020”, Centre for European Policy Studies (CEPS), International Conference: ‘The Impact of Service Sector Innovation and Internationalisation on Productivity and Growth’, Brussels, Belgium, January, **Iulia Siedschlag**.

“Labour Market Institutions and Innovation”, Centre for European Policy Studies (CEPS), International Conference: ‘Employment 2025: How will Multiple Transitions Affect the European Labour Market’, Brussels, Belgium, February, **Iulia Siedschlag**.

“Measuring Competitiveness: Insights from ESRI Research on Internationalisation and Competitiveness”, ‘Mapping European Competitiveness’, Institute for Applied Economic Research (IAW), Tübingen, Germany, June, **Iulia Siedschlag**.

“Measuring Competitiveness: Micro Data for Ireland”, ‘Mapping European Competitiveness’, Institute for Applied Economic Research (IAW), Tübingen, Germany, June, **Iulia Siedschlag**.



“The Evolution of Irish Merchandise Trade” Source: CSO

3. ENERGY AND ENVIRONMENT

Research Area Coordinators: John Curtis and Seán Lyons

Others working in this area include: Valeria di Cosmo, Paul K. Gorecki, Niamh Devitt, Marie Hyland, Laura Malaguzzi Valeri, Darragh Walsh, Sharon Walsh, Niall Farrell.

ESRI research on Energy and Environment focuses particularly on energy and climate policy issues. A significant proportion of the research is financed through multi-annual research programmes such as the ESRI's Energy Policy Research Centre (EPRC), which is funded by the **Department of Communications, Energy and Natural Resources, ESB, Bord Gáis Éireann (BGE), Eirgrid, Viridian** and the **Commission for Energy Regulation**. Research is also undertaken through the Sustainable Electrical Energy Systems Research Cluster in collaboration with UCD, TCD, UL and NUIM, funded by **Science Foundation Ireland** and the *Electricity Research Centre Grid Integration of Renewables, Distributed Generation and Flexible Demand (ERCGI)* project funded by the **Programme for Research in Third-Level Institutions**. The ESRI also collaborates with UCC on a number of projects funded by the **Department of Environment, Community and Local Government, Sustainable Energy Authority of Ireland (SEAI)** and the **Environmental Protection Agency (EPA)**.

During 2013 the EPRC research on the implications of deploying renewable energy in the Irish electricity system found that increased wind capacity is correlated with lower electricity prices and that increasing installed wind capacity will lower profitability in thermal plants, particularly for baseload gas plants, compared to smaller less flexible coal-fuelled plants. Other research on the potential for segmentation of the retail electricity market showed that smart metering will not provide any additional information to enable electricity supply companies to segment customer groupings by profitability.

The value of domestic building energy efficiency was examined in the context of its effect on property prices and household energy expenditures. House buyers are willing to pay an energy efficiency price premium, with A-rated properties receiving a price premium of 9 per cent compared to D-rated properties. Furthermore, households living in F-rated properties spend in excess of €400 more per annum on light and heat than B-rated properties. Related research on fuel poverty developed a set of indicators to help identify a dwelling's likely Building Energy Rating and the likelihood that the family within that dwelling is living in fuel poverty.

Specific research on carbon capture and storage technology found that investment is likely to be postponed indefinitely given the volatility in carbon prices in the EU. In contrast, investment is much more likely to occur in the short term following the UK government's policy of a carbon price floor, which effectively eliminates carbon price uncertainty. Carbon leakage to Ireland is likely under the carbon price floor, with emissions in the Republic of Ireland projected to increase by 8 per cent and electricity prices by 2.4 per cent in 2016.

Other research investigated the distributional effects on consumers of energy and environmental policies, such as the Public Service Obligation (PSO) levy. The PSO has been shown to be a regressive tax and the Household Benefits Package was found to be a sub-optimal welfare measure for supporting lower income households.

ENERGY AND ENVIRONMENT

Project Title	Client/Funding Agency	Status	Researchers
Electricity Research Centre: Grid Integration of Renewables, Distributed Generation and Flexible Demand	Programme for Research in Third Level Institutions (PRTLII)	In Progress	S. Lyons N. Farrell M. O'Malley (UCD) E. Denny (TCD)
Sustainable Electrical Energy Systems	Science Foundation Ireland	In Progress	J. FitzGerald S. Lyons V. di Cosmo E. Denny (TCD) M. O'Malley (UCD) D. Flynn (UCD) J. Gleeson (UL) S. McLoone (QUB) D. McCoy M. Hyland
Siemens/IWEA, Enterprise Study with TCD/ESRI.	Siemens Limited/Irish Wind Energy Association	Completed	J. FitzGerald
Review and contribute to "Residential Energy in Ireland" Report	Sustainable Energy Authority of Ireland	Completed	S. Lyons
Economic Modelling to Support SEAI's 2013 National Energy Forecast	Sustainable Energy Authority of Ireland	Completed	J. Curtis J. FitzGerald S. Lyons L. Malaguzzi Valeri A. Bergin D. Walsh
Estimating the Effect of Household Energy Efficiency (BERs) on Household Fuel Expenditures	Sustainable Energy Authority of Ireland	Completed	J. Curtis
Strategic Advice related to the Development of Energy Efficiency Cost Curves for Ireland	Sustainable Energy Authority of Ireland	In Progress	J. Curtis
Informing Policy Position with respect to the 2030 Climate and Energy Package	Sustainable Energy Authority of Ireland	In Progress	J. Curtis

ENERGY AND ENVIRONMENT

Project Title	Client/Funding Agency	Status	Researchers
Review of the Producer Responsibility Initiative Model in Ireland	Department of the Environment, Community and Local Government	Completed	P. Gorecki RPS
Technical Support on Developing Low Carbon Sector Roadmaps for Ireland	Department of the Environment, Community and Local Government	Completed	J. Curtis J. FitzGerald E. Morgenroth B. Ó Gallachóir (UCC) P. Deane (UCC)
Low Carbon Roadmap - Addendum Focusing on 2030	Department of the Environment, Community and Local Government	In Progress	J. Curtis J. FitzGerald
Research on Energy Markets, Energy Policy, Energy Efficiency, and the Distributional Aspects of Energy Policy	ESRI Energy Policy Research Centre	In Progress	J. FitzGerald L. Malaguzzi Valeri S. Lyons J. Curtis P. K. Gorecki V. di Cosmo M. Hyland D. Walsh N. Devitt
Study of Future Fuel Diversity Options for the Irish Power System	ESRI Energy Policy Research Centre	Completed	J. FitzGerald L. Malaguzzi Valeri D. Walsh
Towards a Green Net National Product for Ireland	Environmental Protection Agency	Completed	J. Curtis S. Lyons E. Morgenroth A. Driscoll A. Pentecost
"Irish Times" Phase 2	Environmental Protection Agency (Ireland)	Completed	J. FitzGerald V. di Cosmo J. Curtis B. Ó Gallachóir (UCC) A. Chiodi (UCC) P. Deane (UCC) M. Gargiulo (e4sma) A. Kanudia (KanORS) K. Donnellan (Teagasc) T. Hanrahan (Teagasc) J. Breen (UCC)

ENERGY AND ENVIRONMENT

Project Title	Client/Funding Agency	Status	Researchers
"Irish Times" Phase 3	Environmental Protection Agency (Ireland)	In Progress	J. FitzGerald V. di Cosmo J. Curtis B. Ó Gallachóir (UCC) A. Chiodi (UCC) P. Deane (UCC) M. Gargiulo (e4sma) A. Kanudia (KanORS) K. Donnellan (Teagasc) T. Hanrahan (Teagasc) J. Breen (UCC)

PUBLICATIONS

Journal Articles

"Carbon Tax Scenarios and Their Effects on the Irish Energy Sector", *Energy Policy*, Vol. 59, August 2013, pp. 404-414, **Valeria di Cosmo, Marie Hyland**.

"Ensuring Compatibility of the All-island Electricity System with the Target Model: Fitting a Square Peg into a Round Hole?", *Energy Policy*, Vol. 52, January 2013, pp. 677-688, **Paul K. Gorecki**.

"Evaluation of the Effect of the Power of One campaign on Natural Gas Consumption", *Energy Policy*, Vol. 62, November 2013, pp. 978-988, **Seán Diffney, Seán Lyons, Laura Malaguzzi Valeri**.

"Ownership, Scale Economies and Efficiency in the Italian Water Sector", *Journal of Industry, Competition and Trade*, Vol. 13, Issue 3, September 2013, pp. 399-415, **Valeria di Cosmo**.

"Simulating Demand for Electric Vehicles Using Revealed Preference Data", *Energy Policy*, Vol. 62, November 2013, pp. 686-696, **Áine Driscoll, Seán Lyons, Franco Mariuzzo, Richard S. J. Tol**.

"The Potential for Segmentation of the Retail Market for Electricity in Ireland", *Energy Policy*, Vol. 61, October 2013, pp. 349-359, **Marie Hyland, Eimear Leahy, Richard S. J. Tol**.

"The Value of Domestic Building Energy Efficiency — Evidence from Ireland", *Energy Economics*, Vol. 40, November 2013, pp. 943-952, **Marie Hyland, Ronan C. Lyons, Seán Lyons**.

"Trade, Energy, and Carbon Dioxide: an Analysis for the Two Economies of Ireland", *Journal of the Statistical and Social Inquiry Society of Ireland*, Vol. 41, 2011-2012, pp. 153-172, **Marie Hyland, Anne Jennings, Richard S. J. Tol**.

Reports and Other Publications

A Packaging Levy for Ireland?, Department of the Environment, Community and Local Government, Dublin, **Paul K. Gorecki**.

A Packaging Levy for Ireland?, Annex to the Main Report, Review of the Producer Responsibility Initiative Model in Ireland, Department of the Environment, Community and Local Government, Dublin, **Paul K. Gorecki**.

Towards a Green Net National Product for Ireland, EPA, Wexford, **John Curtis, Anne Pentecost, Seán Lyons, Edgar Morgenroth, Valeria di Cosmo**.

ESRI Research Bulletins

"Evaluation of the Effect of the Power of One Campaign on Natural Gas Consumption", ESRI Research Bulletin No. 2013/3/1, **Seán Diffney, Seán Lyons, Laura Malaguzzi Valeri**.

ENERGY AND ENVIRONMENT

“The Potential for Segmentation of the Retail Market for Electricity in Ireland”, ESRI Research Bulletin No. 2013/2/9, **Marie Hyland**, Eimear Leahy, Richard S. J. Tol.

“Carbon Tax Scenarios and their Effects on the Irish Energy Sector”, ESRI Research Bulletin No. 2013/2/7, **Valeria di Cosmo, Marie Hyland**.

“How Much Does it Cost the Economy When Essential Services are Interrupted?”, ESRI Research Bulletin No. 2013/1/1, **Seán Lyons, Edgar Morgenroth**.

ESRI Working Papers

WP462: “Decomposing Patterns of Emission Intensity in the EU and China: How Much Does Trade Matter?”, **Valeria di Cosmo, Marie Hyland**.

WP461: “When to Invest in Carbon Capture and Storage Technology in the Presence of Uncertainty: a Mathematical Model”, **Darragh Walsh**, K. O’Sullivan, W. T. Lee, M. Devine.

WP458: “Climate Policy, Interconnection and Carbon Leakage: the Effect of Unilateral UK Policy on Electricity and GHG Emissions in Ireland”, **John Curtis, Valeria di Cosmo**, Paul Deane.

WP452: “Irish and British Historical Electricity Prices and Implications for the Future”, Paul Deane, **John FitzGerald, Laura Malaguzzi Valeri**, Aidan Tuohy, **Darragh Walsh**.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“Climate Policy and Energy Policy: Making a Connection?”, ESRI/EPA Conference: ‘Environmental Policy and Emissions Projections for Ireland’, Dublin, June, **John FitzGerald**.

“European Energy Policy”, Eurelectric, Dublin, November, **John FitzGerald**.

“Future Energy Infrastructure”, Energy Ireland Conference, Dublin, June, **John FitzGerald**.

“Information and Household Behaviour in Irish Energy Markets”, ESRI/EPA Conference: ‘Environmental Policy and Emissions Projections for Ireland’, Dublin, June, **Seán Lyons**.

“Opportunities and Challenges for Sustainable Agriculture”, ESRI/EPA Conference: ‘Environmental Policy and Emissions Projections for Ireland’, Dublin, June, **John Curtis**.

“Projecting Environmental Emissions in Ireland”, ESRI/EPA Conference: ‘Environmental Policy and Emissions Projections for Ireland’, Dublin, June, **John Curtis**.

“Socioeconomic Distribution of Emissions and Resource Use”, ESRI/EPA Conference: ‘Environmental Policy and Emissions Projections for Ireland’, Dublin, June, **Seán Lyons**.

“Specifying an Efficient Renewable Energy Feed-in Tariff”, International Association of Energy Economists (IAEE), 13th European IAEE Conference 2013, Dusseldorf, Germany, August, **Niall Farrell**.

“The Distributional Impact of Ireland’s Public Service Obligation Levy on Electricity Consumption”, ‘New Economic Concepts in the Economic Crisis: Socio Ecological Taxation’, Gottingen, Germany, November, **Niall Farrell**.

“The Effect of Wind on Electricity CO2 Emissions: the Case of Ireland”, TransAtlantic Infraday Conferences, Federal Energy Regulatory Commission, Washington, DC, USA, November, **Laura Malaguzzi Valeri**.

“The Irish Energy Market in an EU Context”, Agricultural Science Association Annual Meeting, Dublin, March, **John FitzGerald**.

ESRI SEMINARS

“Electricity Market Designs with Renewable Energy”, Steve Beuning, Xcel Energy and Utility Variable-Generation Integration Group.

“Quantifying CO2 Savings from Wind Power”, Joe Wheatley, Biospherica Risk Ltd.

ENERGY AND ENVIRONMENT

“Life after 2020? A view of 2030 Energy Targets”, ESRI-UCC Energy Research Workshop, Brian Ó Gallachóir, Alessandro Chiodi, Paul Deane, University College Cork.

“Climate Policy, Interconnection and Carbon Leakage: The Effect of Unilateral UK Policy on Electricity and GHG Emissions in Ireland”, ESRI-UCC Energy Research Workshop, **John Curtis, Valeria di Cosmo**, Paul Deane, University College Cork.

“Ireland’s Energy (In)Security NEXUS”, ESRI-UCC Energy Research Workshop, James Glynn, Brian Ó Gallachóir, University College Cork.

“Wind, Electricity Prices and CO2 Emissions: the Case of Ireland”, ESRI-UCC Energy Research Workshop, **Valeria di Cosmo and Laura Malaguzzi Valeri**.

“Residential Retrofit – Possible Versus Likely Energy Savings”, ESRI-UCC Energy Research Workshop, Denis Dineen, Brian Ó Gallachóir, University College Cork.

“Electric Heating – Bad Idea or Good idea?” ESRI-UCC Energy Research Workshop, Paul Deane, Denis Dineen, Paul Gallagher, Alessandro Chiodi, Maurizio Gargiulo, Brian Ó Gallachóir, University College Cork.

“When to Invest in Carbon Capture Technology in the Presence of Uncertainty: a Mathematical Model”, ESRI-UCC Energy Research Workshop, Darragh Walsh, Mel Devine, James Gleeson, William Lee and Kevin O’Sullivan.

“Can Ireland Afford not to have CCS?” ESRI-UCC Energy Research Workshop, Fionn Rogan, Paul Deane, Alessandro Chiodi, Brian Ó Gallachóir, University College Cork.



Dublin Bay, with the site of the proposed Poolbeg waste-to-energy facility visible in the background. Among projects undertaken by the ESRI in 2013 was the ‘Study of Future Fuel Diversity Options for the Irish Power System’ (see Page 20)
Photo: Deirdre Murphy (ESRI)

4. COMMUNICATIONS AND TRANSPORT

Research Area Coordinators: Seán Lyons and Edgar Morgenroth

Others working in this area include: Aine Driscoll, Stefanie Haller, Marie Hyland, Pete Lunn, Anne Nolan, John FitzGerald, Anne Pentecost, Laura Malaguzzi Valeri, Sharon Walsh.

The programme of research in Communications is supported by the **Department of Communications, Energy and Natural Resources** and the **Commission for Communications Regulation**. In 2013 its research explored: the effects of broadband in schools; the benefits and costs of regulatory measures for electronic communications, and modelling the market for broadband services.

In collaboration with colleagues engaged in Education research (see Area 7), the socio-economic influences on use of the internet by 9 year old children in Ireland, based on *Growing Up in Ireland* data, were examined. These researchers also began a new evaluation of the 100 Mb/s Broadband for Post-primary Schools Programme with assistance and advice from the Department of Communications, Energy and Natural Resources (DCENR), Professional Development Service for Teachers (PDST), Ireland's National Education & Research Network (HEAnet) and the Department of Education and Skills (DES). This experiment should make it possible to isolate the effects of high-speed broadband access in schools on aspects of teaching and learning.

The research programme included the development of a new method for estimating the economic cost of telecoms network outages; this was applied to hypothetical outages of Ireland's main fixed line telecoms network and local outages affecting particular exchanges. Other research showed that aspects of local planning regulation and the level of impact fees can affect the deployment of telecoms infrastructure. In particular, setting impact fees too high can deter network operators from improving the quality of mobile telephony and data services.

Research into choice, price and service characteristics in the Irish broadband market, using data from **ComReg's** Callcosts.ie comparison website, found modest county-level variation in services and indicated that the implied value of advertised download speed decreased as the speed level increased, with little value placed upon speeds above about 60 Mb/s.

Transport and infrastructure research

Research on travel mode choice for a range of journey purposes highlighted the attachment to the car as a mode of transport in Ireland for non-commuting journeys when it is available, and especially when used regularly for work journeys. Importantly, the determinants of mode choice are found to differ across journey purposes suggesting that it is not valid to generalise the results from studies considering only one journey purpose.

As part of a large EU project, ongoing research is estimating the potential trade and derived shipping implications of the reduction in sea ice in the Arctic that make shipping using the North-East and North-West passages feasible. These routes are considerably shorter for shipping from East Asia to Europe and thus have the potential to reduce transport costs and shipping times in future years.

In other ongoing research, model inputs for the National Roads Authority (NRA) national transport model are being produced. These cover small scale demographic and employment projections.

COMMUNICATIONS AND TRANSPORT

Project Title	Client/Funding Agency	Status	Researchers
Programme of Research in Communications	Department of Communications, Energy and Natural Resources and Commission for Communications Regulation	In Progress	S. Lyons N. Devitt P. Gorecki P. Lunn S. McCoy M. Darmody D. Watson
Transport and Economic Advisory Services	Department of Transport, Tourism and Sport	In Progress	E. Morgenroth
Transport Planning Services Framework	National Roads Authority	In Progress	E. Morgenroth
Economic and Demographic Forecasting	National Roads Authority	In Progress	E. Morgenroth
Arctic Climate Change, Economy and Society (ACCESS)	European Commission, DG Research and Innovation, FP7	In Progress	E. Morgenroth R. S. J. Tol A. Pentecost S. Walsh

PUBLICATIONS

Journal Articles

“Choice, Price and Service Characteristics in the Irish Broadband Market”, *International Journal of Management and Network Economics*, Vol. 3, Issue 1, June 2013, pp. 1-21, **Seán Lyons, Michael Savage**.

“Economics — The Missing Link in the National Spatial Strategy”, *Administration*, Vol. 60, No. 1, pp. 41-60, **Edgar Morgenroth**.

“Estimating the Value of Lost Telecoms Connectivity”, *Electronic Commerce Research and Applications*, Vol. 12, Issue 1, January-February 2013, pp. 40-51, **Seán Lyons, Edgar Morgenroth, Richard S. J. Tol**.

“The Influence of Impact Fees and Local Planning Regulation on the Deployment of Telecommunications Infrastructure: The Irish Experience”, *Administration*, Vol. 60, No. 4, 2013, pp. 115-145, **Paul K. Gorecki, Hugh Hennessy, Marie Hyland, Seán Lyons**.

“The Small Public Service Vehicle Market in Ireland: Regulation and the Recession”, *The Economic and Social Review*, Vol. 44, No. 2, Summer 2013, pp. 247-272, **Paul K. Gorecki**.

Chapters in Books and Reports

“Using Evidence to Improve Evaluation Methods for Public Infrastructure”, **Edgar Morgenroth** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 23-38, Dublin: Gill and MacMillan, 2013.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“Determinants of the Commuter Rail Mode Share in Ireland”, Irish Transport Research Network Conference, TCD, Dublin, September, **Edgar Morgenroth**.

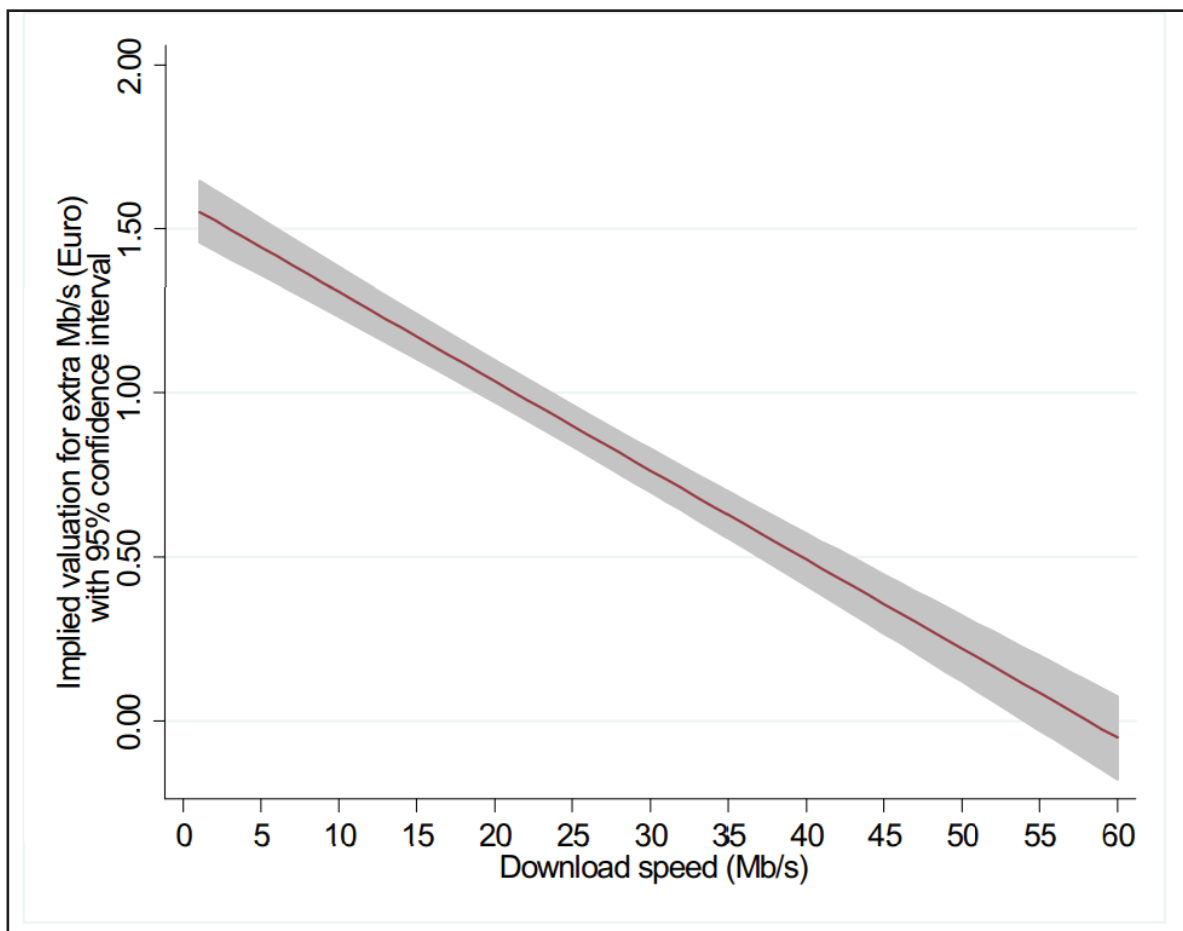
COMMUNICATIONS AND TRANSPORT

“Irish Public Investment, Past and Present”, Conference on ‘The Challenges of Public Private Partnerships in Turbulent Times’, University of Limerick, May, **Edgar Morgenroth**.

“Policy Issues for Improving Transport Sustainability”, ESRI/EPA Conference: ‘Environmental Policy and Emissions Projections for Ireland’, ESRI, June, **Edgar Morgenroth**.

“The Cost of Essential Service Disruption”, National Emergency Planning Summit, Dublin, December, **Edgar Morgenroth**.

“The Effect of Wind on CO2 Electricity Emissions and Marginal Price: the Case of Ireland”, UCD Centre for Financial Markets, Dublin, September, **Valeria di Cosmo**.



The Implied Marginal Valuation per Mb/s of Broadband Download Speed

Source: “Choice, Price and Service Characteristics in the Irish Broadband Market”, Sean Lyons, Michael Savage

5. LABOUR MARKETS AND SKILLS

Research Area Coordinator: Seamus McGuinness

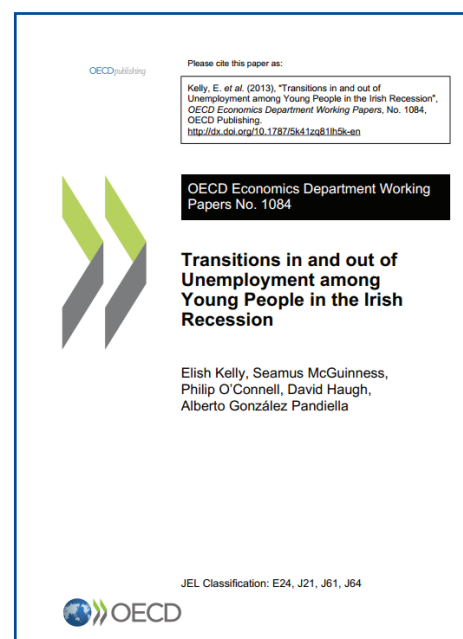
Others working in this area include: Joanne Banks, Adele Bergin, Elish Kelly, Selina McCoy, Helen Russell, Emer Smyth, John R. Walsh, Adele Whelan.

During 2013, research focused on long-term unemployment, youth unemployment and young people not in employment, education or training (NEETS). In addition, a major research project began on the structure of Further Education and Training (FET) provision in Ireland. Researchers have also been involved in providing regular reports on Ireland's labour market progress to the European Commission.

The research on long-term unemployment was centred on a study commissioned by the **Department for Social Protection** (DSP) aimed at providing profiling scores for individuals who entered the Live Register in the period prior to the government rolling out its statistical profiling tool, known as the Probability of Exit (PEX) model. Such individuals would not otherwise be profiled under current arrangements. Unlike the previous ESRI profiling study which used a combination of administrative and survey data to develop the PEX model, this study utilised administrative data only. The model developed in the study is now being used by the DSP to compute a labour market disadvantage (LMD) score, which assesses the probability that a long-term claimant should have already exited the Live Register given their characteristics.

Research on youth unemployment and NEETS was facilitated by funding from the **OECD** in Paris and the **Centre for Economic Policy Studies** (CEPS) in Brussels. The former study, carried out in conjunction with OECD colleagues, exploited the longitudinal component of the *Quarterly National Household Survey (QNHS)* to examine the labour market behaviour of youth unemployed pre- and post-recession. The latter study also used the *QNHS* to examine the labour market behaviour of individuals who are NEETs both pre and post the recession. Among other things, the work highlights the increased importance of formal qualifications for re-integrating NEET individuals into the labour market post recession.

The research on Further Education and Training (FET) followed the commissioning of the ESRI by **FÁS** to assist it in the development of a five-year strategic plan for **SOLAS**. **SOLAS** is the new Further Education and Training Authority in Ireland. It is responsible for funding, planning and co-ordinating training and further education programmes. In 2013, the research (undertaken in collaboration with researchers in the Education area (see Area 7)) focused on issues such as the structure and determinants of current FET provision, rates of accreditation among FET participants and the degree of symmetry between the composition of FET provision and the requirements of the labour market. In addition to the desk-based research, the ESRI have also conducted a series of key informant interviews and assisted SOLAS in the organisation of a series of workshops to discuss the future of FET provision in Ireland. The work in this area is on target for completion in early 2014.



LABOUR MARKETS AND SKILLS

Project Title	Client/Funding Agency	Status	Researchers
Development of a Five Year Strategic Plan for the FET (Further Education and Training) Sector and its associated Implementation Plan	SOLAS	In Progress	S. McGuinness E. Kelly S. McCoy E. Smyth A. Bergin A. Whelan K. Mavoramas (Flinders University, Australia), D. Raffe (Edinburgh University), I. Kogan (University of Mannheim) R. van der Velden (Maastricht University) Á. Hyland (UCC)
Delivery of Administrative Profiling Models to Identify those at Risk of Labour Market Disadvantage	Department of Social Protection	In Progress	S. McGuinness E. Kelly J. R. Walsh
An Evaluation of the Back to Education Allowance	Department of Social Protection	In Progress	E. Kelly S. McGuinness J. R. Walsh
European Employment Observatory – Irish National Expert	GHK Consulting Ltd	In Progress	S. McGuinness
Unemployment and Transitions between Different Labour Market States	Organisation for Economic Co-operation and Development	Completed	P. J. O’Connell S. McGuinness E. Kelly

PUBLICATIONS

Journal Articles

“Job Mismatches and Labour Market Outcomes: Panel Evidence on University Graduates”, *Economic Record*, Vol. 89, Issue 286, September 2013, pp. 382-395, Kostas Mavromaras, **Seamus McGuinness**, Nigel O’Leary, Peter Sloane, Zhang Wei.

“The Impact of the Recession on the Structure and Labour Market Success of NEET Youth in Ireland”, *Intereconomics*, Vol. 48, No. 4, July/August 2013, pp. 196-235, **Elish Kelly**, **Seamus McGuinness**.

Chapters in Books and Reports

“Do Active Labour Market Policies Activate?”, **Elish Kelly**, **Seamus McGuinness**, Philip J. O’Connell in **Frances Ruane**, **Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 118-139, Dublin: Gill and MacMillan, 2013.

LABOUR MARKETS AND SKILLS

“Evidence on the Pattern of Earnings and Labour Costs Over the Recession”, **Adele Bergin, Elish Kelly, Seamus McGuinness** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 217-243, Dublin: Gill and MacMillan, 2013.

“Staying on the Dole: Profiling the Risk of Long-term Unemployment Among Young People in Ireland”, **Elish Kelly, Seamus McGuinness**, Philip J. O’Connell in S. De Groof, M. Elchardus (eds.), *Early School Leaving & Youth Unemployment*, Australia: Lannoo Campus Publishers and Amsterdam University Press, 2013.

QEC Special Articles and Research Notes

“Comparing Public and Private Sector Pay in Ireland: Size Matters”, *QEC Research Note No. 2012/4/2*, **Elish Kelly, Seamus McGuinness**, Philip J. O’Connell.

“Lost in Transition? The Labour Market Pathways of Long-term Unemployed Individuals in Ireland Pre and Post the Great Recession”, Special Article in *Quarterly Economic Commentary*, Winter 2013, pp. 55-69, **Seamus McGuinness, Elish Kelly**.

ESRI Research Bulletins

“Divorce Legalisation and Female Labour Supply”, *ESRI Research Bulletin No. 2013/2/3*, **Claire Keane**.

ESRI Working Papers

WP466: “Transitions In and Out of Unemployment Among Young People in the Irish Recession”, **Elish Kelly, Seamus McGuinness**, Philip J. O’Connell, David Haugh, Alberto González Pandiella.

WP465: “The Impact of the Recession on the Structure and Labour Market Success of Young NEET Individuals in Ireland”, **Elish Kelly, Seamus McGuinness**.

Other Papers

“Job Changes and Wage Changes: Estimation with Measurement Error in a Binary Variable”, Department of Economics, Finance and Accounting NUIM Working Paper No. N240-13, NUIM, Maynooth, **Adele Bergin**.

“Transitions in and out of Unemployment among Young People in the Irish Recession”, OECD Economics Working

Paper No. 1084, **Elish Kelly, Seamus McGuinness**, Philip J. O’Connell, David Haugh, Alberto González Pandiella.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“Activation in Ireland: Are we on the Right Path?”, DEW, ESRI, UL and the Geary Institute Conference on ‘Irish Economic Policy’, UCD, Dublin, February, Philip J. O’Connell, **Seamus McGuinness, Elish Kelly**.

“Crisis, Response and Distributional Impact: The Case of Ireland”, Brookings-Urban Institute Tax Policy Center, Washington DC, July, **Tim Callan**.

“Labour Market Transitions Among Young Unemployed People in Ireland Pre and Post the Recession”, Inaugural NERI Labour Market Conference, The Nevin Economic Research Institute, Dublin, May, **Elish Kelly, Seamus McGuinness**.

“Staying on the Dole: Profiling the Risk of Long-Term Unemployment Among Young People in Ireland”, Conference on ‘The Integration of Young People Excluded by Early School Leaving and Unemployment: Challenges and Solutions’, Foundation P&V, Brussels, Belgium, March, **Elish Kelly, Seamus McGuinness**, Philip J. O’Connell.

“Evaluation of Labour Market Policies: The Use of Data-Driven Analyses in Ireland”, 4th International Evaluation Conference: Preparing for EU 2014-2020, Budapest, 26-27 September 2013, National Development Agency Hungary, Budapest, September, **Elish Kelly**.

ESRI SEMINARS

“Labour Market Transitions of Young Unemployed People in Ireland Pre and Post the Recession and Related Findings from the OECD Economic Survey of Ireland 2013”, **Elish Kelly, Seamus McGuinness**, Philip J. O’Connell (UCD), David Haugh (OECD), and Alberto Gonzalez Pandiella, (OECD).

“Job Insecurity and Future Labour Market Outcomes”, **Seamus McGuinness**.

“National Minimum Wage and Labor Market Outcomes of Young Workers”, Jan Fidrmuc, Brunel University.

6. MIGRATION, INTEGRATION AND DEMOGRAPHY

Research Area Coordinators: Alan Barrett and Frances McGinnity

Others working in this area include: Adele Bergin, Elaine Byrne, Merike Darmody, Mairead Finn, Corona Joyce, Elish Kelly, Gillian Kingston, Seamus McGuinness, Emma Quinn.

Research in this area was conducted under three broad programmes. Research monitoring migrant integration in Ireland, funded by **The Integration Centre**, compared Irish and non-Irish nationals in terms of employment, education, social inclusion and active citizenship. It explored the changing Irish attitudes to immigrants and to immigration using data from 5 waves of the *European Social Survey* (2002-2010). The analysis shows significant changes in Irish attitudes, with attitudes becoming more positive until 2006 and then more negative in 2008 and then again in 2010. The evidence suggests that the rapid rise in immigration, followed by a deep economic recession may have contributed to a rise in concerns about immigration. The Integration Monitor documented the rapid rise in citizenship acquisitions among migrants: since 2005, 34,500 adults of non-EEA origin have acquired Irish citizenship.

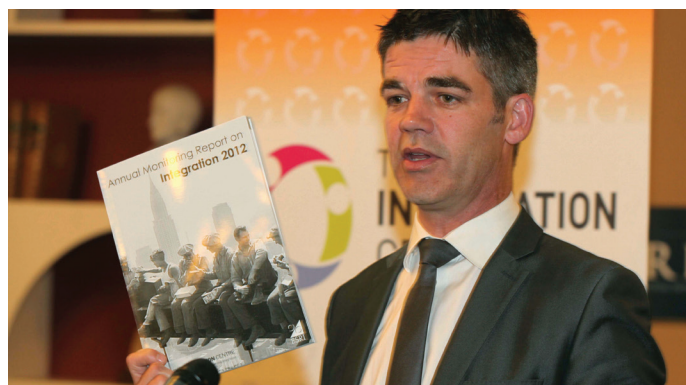
The ESRI acts as the national contact point for the European Migration Network (EMN), which is funded by the **European Commission** and the **Department of Justice and Equality**. Research during the year covered topics such as international protection, the movement of third-country nationals between EU states and the approaches taken by countries to facilitate the immigration of highly skilled people. One important finding from the work on highly skilled people is that

policy in Ireland has continued to enable immigrants with high skills to enter the country for work purposes, despite high levels of unemployment. This is in recognition of the fact that skills shortages still exist in areas such as IT and engineering. Conferences organised as part of the activities of the EMN discussed migration in the context of the global economic downturn and the issue of trafficking. The latter drew attention to the difficulties of identifying victims and the methods used in other jurisdictions to tackle this crime.

ESRI researchers used data from **The Irish Longitudinal Study on Ageing** (TILDA) in 2013 to explore migration and demographic issues. One strand of this research looked at return migrants among Ireland's older population. The research showed how many of the return migrants had suffered difficult conditions both before they left and during their time away. It also showed that returning to Ireland presented difficulties and that the return migrants showed higher levels of loneliness and social isolation compared to other who had lived in Ireland throughout their lives. The strand on demography using TILDA data found that peoples' expected ages of retirement seemed to have been affected by the recession, with fewer people expecting to retire at 65.



Fran McGinnity, Philip O'Connell, Emma Quinn and Gillian Kingston present the *Annual Monitoring Report on Integration 2012* to President Michael D. Higgins at Áras an Uachtaráin, 26 June 2013



Killian Forde (CEO, The Integration Centre) at the launch of the *Annual Monitoring Report on Integration 2012* at the Royal Irish Academy, 26 June 2013

MIGRATION, INTEGRATION AND DEMOGRAPHY

Project Title	Client/Funding Agency	Status	Researchers
Annual Integration Monitor	The Integration Centre	In Progress	F. McGinnity E. Quinn P. J. O'Connell (UCD) G. Kingston
Causes and Consequences of Early Socio-Cultural Integration Processes Among New Immigrants in Europe	NORFACE	In Progress	F. McGinnity
Regional Population Projections	Irish Water	Completed	E. Morgenroth
European Migration Network	European Commission, DG Home Affairs	In Progress	A. Barrett E. Quinn C. Joyce E. Gusciute E. Byrne

PUBLICATIONS

Journal Articles

"Early-life Causes and Later-life Consequences of Migration: Evidence from Older Irish Adults", *Journal of Population Ageing*, Vol. 6, Issue 1-2, June 2013, pp. 29-45, **Alan Barrett**, Irene Mosca*.

"Immigrant Welfare Receipt across Europe", *International Journal of Manpower*, Vol. 34, Issue 1, 2013, pp. 8-13, **Alan Barrett**, **Bertrand Maître**.

"Immigrants and Employer-provided Training", *Journal of Labor Research*, Vol. 34, Issue 1, March 2013, pp. 52-78, **Alan Barrett**, **Seamus McGuinness**, Martin O'Brien, Philip J. O'Connell.

"Increasing the State Pension Age, the Recession and Expected Retirement Ages", *The Economic and Social Review*, Vol. 44, No. 4, Winter, 2013, pp. 447-472, **Alan Barrett**, Irene Mosca*.

"Social Isolation, Loneliness and Return Migration: Evidence from Older Irish Adults", *Journal of Ethnic and Migration Studies*, Vol. 39, Issue 10, 2013, pp. 1659-1677, **Alan Barrett**, Irene Mosca*.

"The Psychic Costs of Migration: Evidence from Irish Return Migrants", *Journal of Population Economics*, Vol. 26, No. 2, April 2013, pp. 483-506, **Alan Barrett**, Irene Mosca*.

Reports and Other Publications

Annual Monitoring Report on Integration 2012, ESRI/The Integration Centre, Dublin, **Frances McGinnity**, **Emma Quinn**, **Gillian Kingston**, Philip J. O'Connell.

Attracting Highly Qualified and Qualified Third-Country Nationals: Ireland, Report prepared for the European Commission Directorate-General Home Affairs and published by the ESRI, Dublin, September, **Emma Quinn**, **Egle Gusciute**.

Establishing Identity for International Protection: Ireland, Report prepared for the European Commission Directorate-General Home Affairs and published by the ESRI, Dublin, February, **Corona Joyce**.

Intra-EU Mobility of Third-Country Nationals: Ireland, Report prepared for the European Commission Directorate-General Home Affairs and published by the ESRI, Dublin, March, **Emma Quinn**.

* Denotes ESRI Research Affiliate

MIGRATION, INTEGRATION AND DEMOGRAPHY

QEC Special Articles and Research Notes

“Revisions to Population, Migration and the Labour Force, 2007-2011”, QEC Research Note No. 2012/4/5, **Kevin Timoney**.

ESRI Research Bulletins

“Learning More About the Causes and Consequences of Migration through the Experiences of Ireland’s Older People”, ESRI Research Bulletin No. 2013/2/2, **Alan Barrett**, Irene Mosca*.

ESRI Submissions

“Submission to the Joint Committee on Justice, Defence and Equality on Integration, Multiculturalism and Racism”, ESRI Submission No. 2013/2, **Frances McGinnity**, **Emma Quinn**, Philip J. O’Connell, **Gillian Kingston**.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“An Irish Welcome? Changing Irish Attitudes to Immigrants and Immigration”, ECSR Conference Tilburg, Netherlands, October, **Frances McGinnity**, **Gillian Kingston**.

“Annual Monitoring Report on Integration 2012”, Conference on ‘Measuring Migrant Integration’, Royal Irish Academy, Dublin, June, **Frances McGinnity**.

“Attracting Highly Skilled Migrants to Ireland”, Workshop on ‘Highly Qualified Migrants: A Viable Perspective’, Italian National Contact Point of European Migration Network (Ministry of Interior), Rome, Italy, November, **Egle Gusciute**.

“Discrimination and Early Socio-economic Integration: Comparing Polish Migrants in Ireland and the Netherlands”, Norface SCIP Research Workshop, Konstanz, Germany, November, **Frances McGinnity**, Merove Gijssberts.

“Gender and the Irish Labour market”, Norface SCIP Research Workshop, Konstanz, Germany, November, **Gillian Kingston**.

“Identification of Victims of Trafficking in Ireland: International Protection and Forced Return Procedures”, 2013 International Metropolis Conference, Tampere, Finland, September, **Corona Joyce**.

“Ireland’s Recession and the Immigrant/Native Earnings Gap”, EMN Ireland Conference: ‘Migration During and After the Economic Crisis’, Convention Centre, Dublin, June, **Alan Barrett**.

“Migration and Development: Ireland, Irish National Migration and Development from Political Perspective, with Special Regard to Strategies”, HU EMN NCP XII National Conference, Hungarian National Contact Point of European Migration Network (Ministry of Interior), Budapest, Hungary, December, **Corona Joyce**.

“Open Labour Market, Open Economy”, TCD Series of Conferences, Dublin, April, **John FitzGerald**.

“Perceptions and Experience of Discrimination: New Immigrants in Ireland and the Netherlands”, Norface Conference: ‘Migration - Global Development, New Frontiers’, UCL, London, April, **Frances McGinnity**.

“Welfare and Immigration in Europe”, National Seminar on Migrants Access to Social Security and Healthcare, Finnish National Contact Point of European Migration Network (Finnish Immigration Service), Helsinki, Finland, November, **Alan Barrett**.

“Who Knows What about Their Pension Plans?”, TILDA Conference, Dublin, March, **Alan Barrett**.

* Denotes ESRI Research Affiliate

7. EDUCATION

Research Area Coordinators: Emer Smyth and Selina McCoy

Others working in this area include: Joanne Banks, Adele Bergin, Merike Darmody, Denise Frawley, Elish Kelly, Seamus McGuinness, Dorothy Watson

ESRI research on education covers all levels of the Irish educational system, including early childhood education, primary, second-level, further and higher education. Research in 2013 focused on school funding and governance, special educational needs, the use of ICT in education and post-school education and training.

A major research project on funding and governance among the different second-level school sectors identified the need for greater transparency in school funding models in Ireland. The research, supported by **The Educena Foundation**, also showed the reliance of many schools on parental voluntary contributions to cover day-to-day running costs.

Funded by the **Ombudsman for Children**, new research on the educational experiences of children in care highlighted the need for systematically collecting data on the educational outcomes of this group, inter-agency coordination, and the importance of listening to the voice of young people themselves.

Work continued on a major longitudinal study of special class provision in primary and second-level schools. Funded by the **National Council for Special Education (NCSE)**, this study yields valuable insights into the nature of provision for students with special educational needs across different school settings. Findings from the first phase of this research will be published in 2014.

In collaboration with researchers in the communications area (see Research Area 4), the education team began a new study on school broadband provision. Spanning nearly 500 second-level schools, the research will

examine school, teacher and student experiences of ICT in teaching and learning before and following the introduction of high-speed broadband services. Taking account of a range of school characteristics, the research assesses the role of ICT and the internet in classroom practice, teachers' skills and confidence around ICT, school ethos and policy, and student engagement and learning styles.

During 2013, work continued on the *Leaving School in Ireland* study, which will provide important insights into the factors influencing post-school pathways as well as on the experience of transition to further and higher education. In collaboration with researchers in the labour market area (see Research Area 5), research was begun on the nature of further education and training (FET) provision as an evidence base for the development of a FET strategy by **SOLAS**. Education researchers have contributed to a new *Advanced Quantitative Methods Network (AQMeN)*, funded by the UK **Economic and Social Research Council**, which involves comparative research on entry to, and progression within, higher education.

Education researchers were actively involved in analysing *Growing Up in Ireland* data, with a major conference on children's engagement in education held in May 2013. This conference covered a range of topics, including gender differences in school engagement, the educational experiences of children with special educational needs and the impact of school social mix on learning outcomes.

EDUCATION

Project Title	Client/Funding Agency	Status	Researchers
Leaving School in Ireland	Consortium: Association of Secondary Teachers of Ireland; Department of Education and Skills; 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	S. McCoy E. Smyth D. Watson M. Darmody
The Special Class Model in Ireland: How is it Working for Pupils with Special Educational Needs in Mainstream Schools?	National Council for Special Education	In Progress	S. McCoy J. Banks D. Watson D. Frawley M. Shevlin (TCD) F. Smyth (TCD) Partner: Amárach Research
Applied Quantitative Methods Network: Phase II (AQMEN)	Economic and Social Research Council, UK	In Progress	E. Smyth S. McCoy University of Edinburgh
Children with Disabilities	National Disability Authority	In Progress	J. Banks S. McCoy B. Maître
Funding for Trusteeship for all Secondary Schools in Ireland	The Educena Foundation	Completed	M. Darmody E. Smyth
An Analysis of Vocational Education and Training (VET) Policy in Ireland	FÁS	Completed	S. McGuinness S. McCoy E. Kelly A. Bergin E. Smyth
REAL-net: NESET Network of Experts on Social Aspects of Education and Training	European Commission – DG Education and Culture	In Progress	E. Smyth, M. Darmody

EDUCATION

PUBLICATIONS

Journal Articles

“Distance Effects, Social Class and the Decision to Participate in Higher Education in Ireland”, *The Economic and Social Review*, Vol. 44, No. 1, Spring 2013, pp. 19-51, John Cullinan*, Darragh Flannery, **Sharon Walsh, Selina McCoy**.

“Identifying and Explaining Hidden Disadvantage within the Non-Manual Group in Higher Education Access”, Delma Byrne, **Selina McCoy** in Gunn Elizabeth Birkelund (ed.), *Comparative Social Research*, pp. 293-315, Emerald Group Publishing Limited, 2013.

“Inclusive Education Research: Evidence from *Growing Up in Ireland*”, *Trinity Education Papers*, Vol. 2, No. 2, pp. 24-35, **Joanne Banks, Selina McCoy**, Michael Shevlin.

“Institutional Habitus and Secondary School Transitions: Comparative Study of Ireland and Estonia”, *Research in Comparative and International Education*, Vol. 7, No. 4, 2012, pp. 530-546, **Merike Darmody**.

“‘She Told Us Just There Was a School There...’: Cumulative Disadvantage of Migrant Pupils and Students in Irish Schools”, *English Language Support Teachers’ Association: Five-Year Anniversary Journal*, 2012, pp. 114-132, **Merike Darmody**.

Reports and Other Publications

Education of Children in Care in Ireland: An Exploratory Study, Ombudsman for Children, Dublin, **Merike Darmody, Léan McMahon, Joanne Banks, Robbie Gilligan**.

Governance and Funding of Voluntary Secondary Schools in Ireland, ESRI Research Series No. 34, ESRI, Dublin, **Merike Darmody, Emer Smyth**.

Religious Education in a Multicultural Europe: Children, Parents and Schools, Palgrave Macmillan, **Emer Smyth, Merike Darmody**, Maureen Lyons (eds.).

Chapters in Books and Reports

“Children’s Agency and Religious Identity in Irish Primary Schools”, **Emer Smyth, Merike Darmody**, Maureen Lyons, Kathleen Lynch, Etaoine Howlett in **Emer Smyth, Merike Darmody**, Maureen Lyons (eds.), *Religious Education in a Multicultural Europe: Children Parents and Schools*, pp. 101-131, Palgrave Macmillan, 2013.

“Conclusions”, **Emer Smyth, Merike Darmody**, Maureen Lyons in **Emer Smyth, Merike Darmody**, Maureen Lyons (eds.), *Religious Education in a Multicultural Europe: Children Parents and Schools*, pp. 202-209, Palgrave Macmillan, 2013.

“Entry to Tertiary Education”, **Emer Smyth** in John Hattie, Eric M. Anderman (eds.), *International Guide to Student Achievement*, pp. 31-32, 2013.

“Improving Second Level Education”, **Selina McCoy, Emer Smyth** in Fintan O’Toole (ed.), *Why Education Matters: The Importance of Education to Ireland’s Economy and Society*, pp. 34-37, Dublin: ASTI, 2013.

“Introduction”, **Emer Smyth, Merike Darmody**, Maureen Lyons in **Emer Smyth, Merike Darmody**, Maureen Lyons (eds.), *Religious Education in a Multicultural Europe: Children Parents and Schools*, pp. 1-14, Palgrave Macmillan, 2013.

“Learning From the Evidence: Using Educational Research”, **Emer Smyth, Selina McCoy in Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 77-95, Dublin: Gill and Macmillan, 2013.

ESRI Research Bulletins

“Educational Engagement Among Children with Special Needs in Mainstream Schools”, ESRI Research Bulletin No. 2013/2/6, **Joanne Banks, Selina McCoy**.

“Reasons for Persistent Absenteeism among Irish Primary School Pupils”, ESRI Research Bulletin No. 2013/2/5, **Merike Darmody, Maeve Thornton, Selina McCoy**.

* Denotes ESRI Research Affiliate

EDUCATION

ESRI Working Papers

WP468: “The Impact of Parental Income and Education on the Schooling of Children”, Arnaud Chevalier, Colm Harmon, Vincent O’Sullivan*, Ian Walker.

Other Papers

Lower Secondary Education in Ireland: the Evidence for Reform, NESET Expert Briefing, NESET (Network of Experts on Social Aspects of Education and Training), Europe, **Emer Smyth**.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“An Unequal Start? School Factors and the Transition to Higher Education”, Higher Education Authority Conference: ‘How Equal? Access to Higher Education in Ireland’, Dublin, November, **Emer Smyth**.

“Causes and Consequences of School Absenteeism in Ireland”, Opening Conference, Trygfonden’s Centre for Child Research, Aarhus, Denmark, September, **Merike Darmody**.

“Children’s Learning: Insights from Prevention and Early Intervention Initiative and *Growing up In Ireland*”, ‘When and How Can Evidence Inform Policy? Informing Policy through Research and Evidence’, CES/ESRI Conference, ESRI, Dublin, September, **Pete Lunn**.

“Crisis and Adjustment: Ireland’s Experience”, Institute of Public Policy, ‘The New Social Contract: Reform of the State and the European Union’, Lisbon, Portugal, September, **Tim Callan**.

“Gender, Engagement and Well-being: How are Irish 9-year-old Boys and Girls faring?”, Educational Studies Association of Ireland (ESAI) Annual Conference, Limerick, March, **Denise Frawley, Selina McCoy, Joanne Banks**.

“Geographic Inequalities in Higher Education Accessibility and Participation in Ireland”, Higher Education Authority Conference: ‘How Equal? Access to Higher Education in Ireland’, Dublin, November, John Cullinan*, Darragh Flannery, **Sharon Walsh, Selina McCoy**.

“Multilingualism and Approaches to Linguistic Support to Immigrant and Minority Children in Europe”, Thematic EU workshop, Ministry of Education, Lithuania, November, **Merike Darmody**.

“Non-Progression in Irish Higher Education”, Higher Education Research Policy Unit (HEPRU) Seminar Series, Dublin, January, **Selina McCoy, Delma Byrne (NUI Maynooth)**.

“Risk and Regret: Post-School Transitions and the Irish Recession”, Educational Studies Association of Ireland (ESAI) Annual Conference, Limerick, March, **Selina McCoy, Emer Smyth**.

“School Effects on the Transition to Higher Education: Two Perspectives”, Conference on ‘Choices of Higher Education’, Oslo and Akershus University College of Applied Sciences, Oslo, April, **Emer Smyth**.

“School Factors and Student Outcomes: Insights from Longitudinal Research”, Conference on Irish Economic Policy, Dublin, January, **Emer Smyth**.

“School Factors and the Transition to Higher Education”, Keynote Address: ‘Youth and Young Adulthood: Transitions in the 2nd and 3rd Decade of Life’, University of Basel, Switzerland, November, **Emer Smyth, Selina McCoy, Merike Darmody**.

“Structuring Student Experiences: Lower Secondary Education in the Republic of Ireland”, Institute for Education, Community and Society, Seminar Series, University of Edinburgh, October, **Emer Smyth**.

“Support for Migrant Students in Irish Schools”, Educational Studies Association of Ireland (ESAI) Annual Conference, Limerick, March, Beata Sokolowska (TCD), Daniel Faas (TCD), **Merike Darmody**.

* Denotes ESRI Research Affiliate

EDUCATION

“Teacher Behavior and Student Outcomes: Results of a European Study”, American Educational Research Association (AERA) Annual Meeting 2013, California, USA, May, Anastasia Panayiotou (University of Cyprus), Leonidas Kyriakides (University of Cyprus), Bert Creemers (University of Groningen), **Léan McMahon**, Gudrun Vanlaar (University of Leuven), Michael Pfeifer (Technical University of Dortmund), Galini Rekalidou (Democritus University of Thrace), Matevž Bren (University of Maribor).

“The Meaning of Religion in Children’s Lives”, RE21 Conference: ‘Religious Education in a Global-Local World’,

University College Cork, August, **Emer Smyth, Merike Darmody**, Maureen Lyons (UCD).

“The ‘Special’ Class: A compromise in the Inclusion Debate?”, European Conference on Educational Research, Istanbul, September, **Joanne Banks, Denise Frawley, Selina McCoy**.

ESRI SEMINARS

“Do Initial Endowments Matter only Initially? Birth Weight, Parental Investments and School Achievement”, Joint ESRI/Geary Institute Research Seminar, Prashant Bharadwaj, University of California, San Diego.



Pamela Sammons speaks at the *Growing Up in Ireland* Conference on ‘Children’s Engagement in Education’, Wednesday 8 May 2013

8. TAXATION, WELFARE AND PENSIONS

Research Area Coordinator: Tim Callan

Others working in this area include: Alan Barrett, Claire Keane, Seán Lyons, Michael Savage, John R. Walsh. Work was also undertaken in collaboration with Research Affiliate Olivier Bargain (UCD).

During 2013, research on **Taxation, Welfare and Pensions** has focused on: the structure of marginal income tax rates; the distributive implications of policy responses to the crisis; changes in income distribution over the recession.

The ESRI's tax-benefit model, *SWITCH*, supported by funding from the **Department of Social Protection**, was used to monitor the distributive impact of Budget 2014, and of the series of budgets from October 2008 up to and including October 2013. The new analysis took into account several aspects of policy which could not previously have been included – such as the impact of DIRT tax increases, increases in Capital Gains Tax, VAT and carbon tax increases, and the abolition of the social welfare Christmas bonus in 2009. Over the full 2009 to 2014 period, the greatest policy-induced losses have been at the upper end of the income distribution, and the next greatest losses were at the lower end.

An examination of the overall distributional consequences of the “Great Recession” in Ireland found that the greatest losses were strongly concentrated on the bottom and top deciles. Tax, welfare and public sector pay changes over the 2008 to 2013 period gave rise to slightly lower-than-average losses for the bottom decile. Thus, the larger than average losses observed overall by that decile are not due to these policy changes. Policy changes do contribute to the larger-than-average losses at high income levels.

Research on the level and structure of Irish income taxes in an international context showed that standard GDP-based figures are misleading, as GDP is not a good measure of the Irish tax base. While these GDP measures suggest that Ireland's taxes are the lowest in the EU by a considerable margin, when a more appropriate measure of taxable capacity is constructed, it emerges that Ireland has a moderately low ratio of tax-to-taxable capacity, somewhat below the UK, but well above that of Spain,

Greece and Portugal.

Much of the gap between the tax to national income ratio in Ireland and in countries such as Germany, the Netherlands, Austria, France and the Nordic countries is due to income-related taxes. The research showed that if Irish income taxes were to approach European levels, it is likely that marginal tax rates in low to middle income ranges would have to rise. Higher marginal tax rates on these income ranges would then raise extra revenue not just from those at such income levels, but also from those at higher income levels. Changes to top tax rates at very high income levels would have little impact on the gap in income-related taxes collected in Ireland and in most European countries.

In collaboration with researchers in Social Inclusion and Equality, the *SWITCH* model was also used to examine the gender impact assessment of tax and benefit policies (see Research Area 9).



John FitzGerald speaks to Seán Whelan of RTÉ News outside the ESRI 'Budget Perspectives' Conference, June 2013

TAXATION, WELFARE AND PENSIONS

Project Title	Client/Funding Agency	Status	Researchers
Advice on the Protection of Affordability in the Supply of Water Services	Department of the Environment, Community and Local Government	Completed	P. K. Gorecki S. Lyons E. Morgenroth
SWITCH Research Programme on Tax and Welfare <ul style="list-style-type: none"> • Distributional Impact of Austerity Measures • Financial Incentives to Work • Model Maintenance and Development • Training and Support for Policy Analysis 	Department of Social Protection; Department of Finance	In progress	T. Callan C. Keane J. R. Walsh M. Savage
Gender Impact of Tax and Benefit Policies (see details in Research Area 9)	The Equality Authority	In progress	T. Callan C. Keane M. Savage J. R. Walsh
Additional Analyses of the Impact of Water Charges	Department of the Environment, Community and Local Government	Completed	T. Callan M. Savage
EUROMOD – Microsimulation Tool for Modeling the Impact of Policy Measures (EUROMOD update)	European Commission, DG Employment, Social Affairs and Inclusion	Completed	T. Callan C. Keane E. Kelly M. Savage

PUBLICATIONS

Journal Articles

“Immigrants and Welfare Receipt in Ireland”, *International Journal of Manpower*, Vol. 34, Issue 2, pp. 142-154, **Alan Barrett, Corona Joyce, Bertrand Maître**.

“The Great Recession, Austerity and Inequality: Evidence from Ireland”, *Intereconomics*, Vol. 48, Issue 6, November 2013, pp. 335-338, **Tim Callan, Brian Nolan, Claire Keane, Michael Savage, John R. Walsh**.

Reports and Other Publications

Budget Perspectives 2014, ESRI Research Series No. 31, ESRI, Dublin, **Tim Callan**.

Chapters in Books and Reports

“Taxes on Income: Ireland in Comparative Perspective”, **Tim Callan, Claire Keane, Michael Savage, John R. Walsh** in **Tim Callan** (ed.), *Budget Perspectives 2014*, pp. 1-23, Dublin: ESRI, 2013.

QEC Special Articles and Research Notes

“Distributional Impact of Tax, Welfare and Public Service Pay Policies: Budget 2014 and Budgets 2009-2014”, Special Article in *Quarterly Economic Commentary*, Winter 2013, pp. 41-54, **Tim Callan, Claire Keane, Michael Savage, John R. Walsh**.

TAXATION, WELFARE AND PENSIONS

“Tax and Taxable Capacity: Ireland in Comparative Perspective”, *QEC* Research Note No. 2012/4/1, **Tim Callan, Michael Savage**.

ESRI Research Bulletins

“The Macro-Economic Effects of Raising Revenue through Different Taxes”, ESRI Research Bulletin No. 2012/4/2, Thomas Conefrey, **John FitzGerald, Laura Malaguzzi Valeri, Richard S. J. Tol**.

ESRI Working Papers

WP456: “Crisis, Response and Distributional Impact: The Case of Ireland”, **Tim Callan, Brian Nolan, Claire Keane, Michael Savage, John R. Walsh**.

Other Papers

“Changes in Income Distributions and the Role of Tax-Benefit Policy During the Great Recession: An International Perspective”, IZA Discussion Paper No. 7737, IZA, Bonn, Olivier Bargain*, **Tim Callan, Karina Doorley, Claire Keane**.

“(Lack of) Pension Knowledge”, IZA Discussion Paper No. 7596, IZA, Bonn, **Alan Barrett, Irene Mosca*, Brendan J. Whelan***.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“Crisis, Response and Distribution: The Case of Ireland”, IZA, Bonn, Germany, February, **Tim Callan, Brian Nolan, Claire Keane, Michael Savage, John R. Walsh** and the Irish Economic Association, Dublin, May, **Michael Savage, Tim Callan, Claire Keane, John R. Walsh**.

“Crisis and Adjustment: Ireland’s Experience”, Institute of Public Policy, The New Social Contract: Reform of the State and the European Union, Lisbon, Portugal, September, **Tim Callan**.

“Cross-Country Decomposition of Inequality During the Great Recession”, ECINEQ Conference, Bari, **Claire Keane, Oliver Bargain*, Tim Callan, Karina Doorley**.

“Equality Proofing Tax and Welfare Policies”, ‘Embedding Equality in Policy Making’, Equality Budgeting Campaign Seminar, Dublin, April, **Tim Callan, Claire Keane**.

“Inequality in Ireland’s Recession: What Has Happened – and Why?” Tax Policy Center, Washington **Tim Callan, Claire Keane, Michael Savage, John Walsh**.

Response to “Income and Income Tax Inequalities in Ireland – New Evidence and Further Illustration of the Progressivity of the Irish Income Tax System”, SSISI, Dublin, December, **Tim Callan**.

“Tax/Transfer Impacts in the Great Recession: National and Cross-National Evidence”, ‘Social Transfers and Poverty Alleviation in Ireland’, ESRI and DSP Conference, Dublin, December, **Claire Keane, Tim Callan**.

“Taxes on Income: Ireland in Comparative Perspective”, ESRI ‘Budget Perspectives’ Conference, Dublin, June, **Tim Callan, Claire Keane, Michael Savage, John R. Walsh**.

“The Great Recession, Austerity and Inequality: Evidence from Ireland”, ‘Inequality in Europe: What can be done? What should be done?’, CEPS Brussels and Intereconomics, Hamburg, Brussels, Belgium, October, **Tim Callan, Claire Keane, Michael Savage, John R. Walsh**.

ESRI SEMINARS

“Crisis, Response and Distributional Impact: The Case of Ireland”, **Tim Callan, Brian Nolan (UCD), Claire Keane, Michael Savage, John R. Walsh**.

“Heterogeneity in time preference among older households”, Cormac O’Dea, Institute for Fiscal Studies, London.

“Partisan Tax Policy and Income Inequality in the U.S., 1979-2007”, Matthias Dolls, IZA, Bonn.

* Denotes ESRI Research Affiliate

9. SOCIAL INCLUSION AND EQUALITY

Research Area Coordinators: Frances McGinnity and Dorothy Watson

Others working in this area included: Joanne Banks, Tim Callan, Claire Keane, Gillian Kingston, Elish Kelly, Richard Layte, Pete Lunn, Bertrand Maître, Selina McCoy, Helen Russell, Michael Savage, Emer Smyth, John R. Walsh.

ESRI research on social inclusion and equality investigates factors influencing people's capacity to participate in economic and social life (linked to access to adequate material and other resources) and the processes that lead to inequalities in opportunities and outcomes.

During 2013 research commenced on two projects investigating the impact of recession in Ireland on equality, co-funded by the **Equality Authority** and by the **European Union Programme for Employment and Social Solidarity PROGRESS (2007-2013)**. One project, *'Winners and Losers?'* investigates the impact of recession on key labour market and poverty outcomes with respect to six equality grounds: gender, nationality, age, disability, marital and family status, using *QNHS* data (for labour market outcomes) and *EU-SILC* data (for poverty and deprivation). The second project, *Gender and the Quality of Work*, examines whether there has been convergence or polarisation in employment conditions between men and women from boom to bust in Ireland. It considers a broad range of outcomes – from gender differences in overall employment and unemployment rates to hours of work, pay, job control and work pressure. Research results will be published in early 2014.

Research commissioned by the **Equality Authority** continued on the first systematic gender impact assessment of tax and benefit policies using *SWITCH*, the ESRI tax-benefit model (see Research Area 8). The analysis examines the differential impact of policy changes for men and women over the full period of the

"Great Recession", and will be published in early 2014.

During 2013, three research projects funded by the **Department of Social Protection** drew on data from the annual *CSO Survey on Income and Living Conditions (EU-SILC)* to examine the role of social transfers (including State and occupational pensions, child benefit and other social welfare payments) in alleviating poverty, the impact of the recession on financial stress, and the pooling and sharing of resources within households.

Among the key research findings were that 87 per cent of Irish households receive some income from social transfers and that social transfers close 88 per cent of the gap between the poverty line and income from work or other market sources. The effectiveness of Irish social transfers in alleviating poverty compares very favourably to that in other EU countries. The research found that parents and people living with a spouse or partner shared more of their income for household use. Grown-up children living at home were least likely to share their income for the use of other household members.

Other ongoing research projects relating to social inclusion and equality included projects funded by the **National Disability Authority** on people with mental health disability and on children with a disability, which will be published in 2014. ESRI researchers also provided advice to the **Department of the Environment, Community and Local Government** on water affordability in advance of the introduction of water charges.

SOCIAL INCLUSION AND EQUALITY

Project Title	Client/Funding Agency	Status	Researchers
Programme of Research on Social Inclusion 2013: <ul style="list-style-type: none"> • Annual Report on Poverty Alleviation and Social Transfers • Technical Report on Financial Stress in the Recession • Technical analysis on poverty and deprivation 	Social Inclusion Division, Department of Social Protection	In Progress	D. Watson B. Maître H. Russell
Programme of Research on Social Inclusion 2012: <ul style="list-style-type: none"> • Annual Report on Poverty and Work • Technical Report on Household Financial Regime • Technical Analysis of Food Poverty 	Social Inclusion Division, Department of Social Protection	Completed	D. Watson B. Maître
Consultancy Services – Analysis and Measurement of Deprivation and Poverty in Ireland	Social Inclusion Division, Department of Social Protection	Completed	D. Watson B. Maître
Emotional, Psychological and Mental Health (EPMH) Disability	National Disability Authority	In Progress	D. Watson B. Maître
Gender and the Quality of Work: from Boom to Recession	European Union Programme for Employment and Social Solidarity – PROGRESS (2007-2013) and the Equality Authority	In Progress	H. Russell F. McGinnity G. Kingston
Winners and Losers? The Equality Impact of the Recession in Ireland	European Union Programme for Employment and Social Solidarity – PROGRESS (2007-2013) and the Equality Authority	In Progress	F. McGinnity H. Russell D. Watson E. Kelly G. Kingston

SOCIAL INCLUSION AND EQUALITY

PUBLICATIONS

Journal Articles

“Analysing Intergenerational Influences on Income Poverty and Economic Vulnerability with EU-SILC”, *European Societies*, Vol. 15, Issue 1, 2013, pp. 82-105, Christopher T. Whelan**, Brian Nolan, **Bertrand Maître**.

“Economic Vulnerability and Severity of Debt Problems: An Analysis of the Irish EU-SILC 2008”, *European Sociological Review*, Vol. 29, Issue 4, August 2013, pp. 695-706, **Helen Russell**, Christopher T. Whelan*, **Bertrand Maître**.

“Paediatric Chronic Illness and Educational Failure: the Role of Emotional and Behavioural Problems”, *Social Psychiatry and Psychiatric Epidemiology*, Vol. 48, Issue 8, August 2013, pp. 1307-1316, **Richard Layte**, Cathal McCrory*.

Reports and Other Publications

Disability in the Irish Labour Market: Evidence from the QNHS Equality Module 2010, The Equality Authority and the ESRI, Dublin, **Dorothy Watson**, **Gillian Kingston**, **Frances McGinnity**.

Ethnicity and Nationality in the Irish Labour Market: Evidence from the QNHS Equality Module, The Equality Authority and the ESRI, Dublin, **Gillian Kingston**, Philip J. O’Connell, **Elish Kelly**.

Implications of Income Pooling and Household Decision-making for the Measurement of Poverty and Deprivation: An Analysis of the EUSILC 2010 Special Module for Ireland, Social Inclusion Technical Paper No. 4, Department of Social Protection, Dublin, **Dorothy Watson**, **Bertrand Maître**, Sara Cantillon.

Keeping Them in the Game: Taking Up and Dropping Out of Sport and Exercise in Ireland, ESRI Research Series No. 33, ESRI, Dublin, **Pete Lunn**, **Elish Kelly**, Nick Fitzpatrick.

Social Transfers and Poverty Alleviation in Ireland, 2004-2011, ESRI and Department of Social Protection, Dublin, **Dorothy Watson**, **Bertrand Maître**.

Chapters in Books and Reports

“The Spatial Distribution of Household Disposable Income”, Cathal O’Donoghue, Karyn Morrissey, Philip

Hayes, Jason Loughrey, **Joanne Banks**, Stephen Hynes in Cathal O’Donoghue (ed.), *Spatial Microsimulation for Rural Policy Analysis*, pp. 193-211, Berlin: Springer, 2013.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“Household Joblessness: Policy Implications of Research Findings”, EPSCO Workshop, Irish Presidency of the Council of the European Union, Dublin, February, **Dorothy Watson**, **Bertrand Maître**, Christopher T. Whelan*.

“Social Transfers and Poverty Alleviation in Ireland 2004-2011”, DSP/ESRI National Conference: ‘Social Transfers and Poverty Alleviation: National and International Perspectives’, ESRI, Dublin, December, **Bertrand Maître**, **Dorothy Watson**.

“Taking Part in What? An Accidental Cautionary Tale of Participation Surveys”, EU Puck Project Workshop on Cultural Participation, Trinity College Dublin, September, **Pete Lunn**.

“Discrimination in a Labour Market Crisis - The Impact of Recession”, Norface Conference: ‘Migration - Global Development, New Frontiers’, UCL, London, April, **Gillian Kingston**.

“Gender and the Quality of Work: From Boom to Recession”, European Consortium for Sociological Research (ECSR) Conference 2013: ‘Developments in Social Inequality and Social Cohesion’. Tilburg, NL, October, **Frances McGinnity**, **Helen Russell**, **Gillian Kingston**.

“Is That Really Discrimination?”, European Consortium for Sociological Research (ECSR) Conference 2013: ‘Developments in Social Inequality and Social Cohesion’ Tilburg, NL, October, Philip J. O’Connell, **Gillian Kingston**, **Frances McGinnity**.

ESRI SEMINARS

“Implications of Income Pooling and Household Decision-Making for Poverty and Deprivation”, **Bertrand Maître** and **Dorothy Watson**.

“Life Satisfaction, Ethnicity and Neighbourhoods: Is There an Effect of Neighbourhood Ethnic Composition on Life Satisfaction?”, Lucinda Platt, Centre for Longitudinal Studies in London.

* Denotes ESRI Research Affiliate

10. HEALTH AND QUALITY OF LIFE

Research Area Coordinators: Richard Layte, Miriam M. Wiley and Helen Russell

Others working in this area include: Sheelagh Bonham, Aoife Brick, Nathan Cunningham, Jacqui Curley, Eoin Feeney, Karen Kearns, Conor Keegan, Elish Kelly, Gillian Kingston, Shane Leavy, Pete Lunn, Bertrand Maître, Brian McCarthy, Cathal McCrory, Léan McMahon, Laura Metcalfe, Aisling Mulligan, Deirdre Murphy, Aisling Murray, Anne Nolan, Jacqueline O'Reilly, Cliona O'Donovan, Sinead O'Hara, Amanda Quail, Samantha Smith, Maeve Thornton, Dorothy Watson.

Key themes in ESRI health research include (i) examination of the pattern of variation in health and well-being across the population and in particular, the manner in which this is related to social and economic position and (ii) analyses of the structure and functioning of the Irish health care system and its implications for the quality of individual care, economic efficiency and sustainability, and the equity of health care utilisation.

Research in 2013 focused on: child development and well-being; risk of caesarean section; obesity and maternal health behaviours; trends in socio-economic mortality differentials; prescribing and pharmaceutical pricing in Ireland in comparative perspective; and the economic evaluation of stroke rehabilitation and palliative care.

Population obesity has recently emerged as a serious concern in Ireland. Research using data from *Growing up in Ireland* examined the early life factors explaining variation in obesity risk and the interaction between pregnancy and obesity risk in adult women.

Research on pharmaceuticals, funded by the **Health Services Executive**, assessed the level of prices, the usage of generics, and the prescribing practices of medical practitioners in Ireland in comparison with other EU Member States and OECD countries. Economic evaluations of palliative care and stroke rehabilitation in Ireland, funded respectively by **The Atlantic Philanthropies** and **The Irish Heart Foundation**, examined evidence on the costs and effectiveness of alternative models of care (see also section on **Commissioned National Health Data Programmes HIPE/NPRS**). The work provided evidence on variation in the cost and outcomes of care and how this varied with type of treatment and the organisation of services.

Within the quality of life theme, research focused on four main topics: Health, safety and well-being at work; Work-

life balance; Subjective well-being and social solidarity; Participation in sports and physical activity.

Work commenced on a research programme on Health, Safety and Well-being at Work, funded by **Health and Safety Authority**. Initial research will address trends and patterns of occupational injury and illness over the boom and bust period in the Irish economy. Work also began on a research project for the **European Foundation** to investigate whether countries could be grouped according to social, economic and political regime in a manner that is informative for the study of quality of life in Europe.

Two further comparative studies on quality of life and work were completed. One dealt with the impact of the economic crisis in Europe on subjective well-being while the other analysed changes between 2004 and 2010 in the European experience of work-family conflict.

Research commissioned by the **Irish Sports Council** highlighted important issues relating to participation in sport and exercise among children and adults in Ireland, including information about the patterns of drop-out across the life course.



Anne Nolan, Paul Gorecki and Aoife Brick, authors of *Ireland: Pharmaceutical Prices, Prescribing Practices and Usage of Generics in a Comparative Context* at the launch of *Using Evidence to Inform Policy*, January 2013

HEALTH AND QUALITY OF LIFE

Project Title	Client/Funding Agency	Status	Researchers
Research Programme on Health, Safety and Well-being at Work	Health and Safety Authority	In Progress	H. Russell D. Watson B. Maître
Ireland: Pharmaceutical Prices, Prescribing Practices and Usage of Generics in a Comparative Context	HSE	Completed	A. Brick P. K. Gorecki A. Nolan
Day Surgery In Ireland: The Development, Implementation and Evaluation of an Evidence Based and Consensus Derived Best Practice Model	Health Research Board	Completed	S. Cowman (RCSI) G. Gethin (RCSI) E. Clarke (RCSI) E. Mulligan (RCSI) B. Meshkat (RCSI) M. M. Wiley A. Brick
The Longitudinal Analysis of Child Health and Development In Ireland	Health Research Board	In Progress	R. Layte
Improving Obstetric Practice Through Understanding Variation in Caesarean Section Rates in Irish Maternity Hospitals	Health Research Board	In Progress	R. Layte A. Brick S. O'Hara M. Turner (UCD and Coombe Hospital)
A Cost Modelling and Outcomes Study for Stroke Rehabilitation in Ireland	Irish Heart Foundation	In Progress	M. A. Wren P. Gillespie (NUIG) S. Smyth M. M. Wiley F. Horgan (RCSI) A. Hickey (RCSI) K. Kearns
Economic Evaluation of Palliative Care in Ireland	The Atlantic Philanthropies	In Progress	A. Brick C. Normand (TCD) S. Smith S. O'Hara
Centre for Longitudinal Studies in Ireland – Set-up	Centre for Longitudinal Studies in Ireland	In Progress	R. Layte

HEALTH AND QUALITY OF LIFE

Project Title	Client/Funding Agency	Status	Researchers
Exploring the Feasibility of Using HIPE Data to Develop Key Performance Indicators to Monitor the Quality and Safety of Public Hospital Services in Ireland	Health Information and Quality Authority	Completed	N. Cunningham J. Curley S. Duckett (La Trobe University) T. Jackson (University of Melbourne) L. McMahon L. Metcalfe J. O'Reilly M. M. Wiley
Quality of Life Country Groupings: Research proposal for literature review and data analysis to develop country groupings for the 3rd European Quality of Life Survey (Lot 4)	GfK Belgium for the European Foundation for the Improvement of Living and Working Conditions	In Progress	D. Watson B. Maître G. Kingston GfK Belgium
SWIM - Keeping them in the Game	Irish Sports Council	Completed	P. Lunn E. Kelly
EuroPeristat Project. Better Statistics for Better Health for Pregnant Women and their Babies	European Commission Executive Agency for Health & Consumers (EAHC), Assistance Publique Hôpitaux de Paris (AP-HP) and the Institut National de la Santé et de la Recherche Médicale (INSERM)	In Progress	S. Bonham A. Mulligan

PUBLICATIONS

Journal Articles

“International Variation in Caesarean Section Rates and Maternal Obesity”, *Journal of Obstetrics & Gynaecology*, Vol. 33, No. 5, July 2013, pp. 466-470, Vicky O’Dwyer, **Richard Layte**, Clare O’Connor, Nadine Farah, Mairead M. Kennelly, Michael J. Turner.

“Sexual Risk-taking at Home and on Holidays: the Importance of Context for the Late Application of

Condoms”, *Sexual Health*, Vol. 10, No. 5, 2013, pp. 414-418, Gráinne Cousins, **Richard Layte**, Roger Ingham, Hannah McGee.

“The Future Cost of Stroke in Ireland: an Analysis of the Potential Impact of Demographic Change and Implementation of Evidence-based Therapies”, *Age and Ageing*, Vol. 42, Issue 3, May 2013, pp. 299-306, **Samantha Smith**, Frances Horgan, Eithne Sexton, Seamus Cowman, Anne Hickey, Peter Kelly, Hannah McGee, Sean Murphy, Desmond O’Neill, Maeve Royston, Emer Shelley, **Miriam M. Wiley**.

HEALTH AND QUALITY OF LIFE

“The Length of Stay of In-Patient Stroke Discharges in Irish Acute Hospitals”, *The Economic and Social Review*, Vol. 44, No. 3, Autumn 2013, pp. 351-370, Conor Keegan, **Samantha Smith**.

“Unemployment, Gender and Mental Health: The Role of the Gender Regime”, *Sociology of Health and Illness*, Vol. 34, Issue 8, June 2013, pp. 649-665, Mattias Strandh, Anne Hammarstrom, Karina Nilsson, Mikael Nordenmark, **Helen Russell**.

“Using HIPE data for Research and Audit: Critical Factors for Success”, *Irish Medical Journal*, Vol. 106, No. 5, May 2013, **Miriam M. Wiley**.

“Yes We Can? Gender Differences in the Influence of Parental Sense of Control on Young Adults”, *European Sociological Review*, Vol. 29, Issue 2, April 2013, pp. 334-345, **Dorothy Watson**.

Reports and Other Publications

Activity in Acute Public Hospitals in Ireland, 2012 Annual Report, ESRI Survey and Statistical Report Series No. 49, ESRI, Dublin, **Health Research and Information Division**.

Health Economics An International Perspective, Routledge, Abingdon, Barbara McPake, Charles Normand, **Samantha Smith**.

Ireland: Pharmaceutical Prices, Prescribing Practices and Usage of Generics in a Comparative Context, ESRI Research Series No. 32, ESRI, Dublin, **Aoife Brick, Paul K. Gorecki, Anne Nolan**.

Perinatal Statistics Report 2012, ESRI Survey and Statistical Report Series No. 48, ESRI, Dublin, **Health Research and Information Division**.

Swimming in Ireland: A Statistical Analysis, Swim Ireland, the Irish Sports Council and the ESRI, Dublin, **Elish Kelly, Pete Lunn**.

Chapters in Books and Reports

“Quality of Public Services: Irish Public Perceptions and Implications for Public Service Reform”, **Dorothy Watson** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to*

Inform Policy, pp. 244-265, Dublin: Gill and MacMillan, 2013.

“The Potential Role of Pay-for-Performance in Irish Healthcare”, **Anne Nolan, Jacqueline O’Reilly, Samantha Smith, Aoife Brick** in **Frances Ruane, Pete Lunn** (eds.), *Using Evidence to Inform Policy*, pp. 56-76, Dublin: Gill and MacMillan, 2013.

“Unemployment and Subjective Well-being”, **Helen Russell, Dorothy Watson, Frances McGinnity** in Duncan Gallie (ed.), *Social Inclusion & Quality of Life*, Oxford: Oxford University Press, 2013.

“Work-Family Conflict and Economic Change”, **Frances McGinnity, Helen Russell** in Duncan Gallie (ed.), *Social Inclusion & Quality of Life*, Oxford: Oxford University Press, 2013.

ESRI Working Papers

WP470: “Socio-economic Differentials in Male Mortality in Ireland: 1984-2008”, **Richard Layte, Anne Nolan**.

WP469: “Deriving a Method to Estimate Incidence of Stroke in Ireland”, **Maev-Ann Wren, Peter Kelly**.

WP459: “Smoking Outside: The Effect of the Irish Workplace Smoking Ban on Smoking Prevalence Among the Employed”, **Michael Savage**.

WP454: “Income-Related Inequity in the Use of GP Services: A Comparison of Ireland and Scotland”, **Richard Layte, Anne Nolan**.

Other Papers

Economic Crisis, Quality of Work and Social Integration: Topline Results from Rounds 2 and 5 of the European Social Survey, ESS Topline Results Series 3, Centre for Comparative Social Surveys, London, Duncan Gallie, Martina Dieckhoff, **Helen Russell**, Nadia Steiber, Michael Tählin, Hande Inanc, **Frances McGinnity, Dorothy Watson**, Javier Polavieja, Ying Zhou.

HEALTH AND QUALITY OF LIFE

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“A Strategy for Training Data Users”, 17th International Federation of Health Information Management Associations (IFHIMA), Congress, ‘Health Information Management Making a World of Difference’, Montreal, Canada, May, **Aisling Mulligan, Jacqui Curley**.

“Benchmarking Day Case Activity Performances within the Irish Hospital System”, Conference on Day Surgery, RCSI, April, **Aoife Brick, Nathan Cunningham, Miriam M. Wiley**.

“Collection of Cancer Data by HIPE”, Conference on Cancer Care, University College Hospital Galway, December, **Miriam M. Wiley, Deirdre Murphy, Aisling Mulligan**.

“Compstat and the HIPE Portal”, Irish Casemix Seminar: ‘Money Follow the Patient’, AMNCH, Tallaght, April, **Brian McCarthy**.

“Development & Innovation of Clinical Coder Training in Challenging Times”, Irish Casemix Seminar: ‘Money Follow the Patient’, AMNCH, Tallaght, April, **Marie Glynn**.

“Economic Crisis, Unemployment and Subjective Well-being: Keynote Address”, European Social Survey Conference: Transnational Evidence, Newman House, Dublin, June, **Helen Russell**.

“European Observatory Rapid Response Report for Ireland”, Health Systems in the Era of Austerity, Dublin, June, **Anne Nolan, Sarah Thomson (LSE)**.

“Expanding HIPE: Opportunities & Constraints”, Irish Casemix Seminar: ‘Money Follow the Patient’, AMNCH, Tallaght, April, **Miriam M. Wiley**.

“HIPE Data Quality and Training- Developments including HCAT for the Portal”, Irish Casemix Seminar: ‘Money Follow the Patient’, AMNCH, Tallaght, April, **Jacqui Curley**.

“HIPE Portal Benchmarking Reports”, Irish Casemix Seminar: ‘Money Follow the Patient’, AMNCH, Tallaght, April, **Philip Dunne**.

“Plenary Chair for presentation on US Health Reforms”, 29th Patient Classification Systems International Conference, Helsinki, September, **Miriam M. Wiley**.

“The Application of a Casemix Adjustment for the Estimation of Hospital Standardised Ratios (HSMRs)”, 29th Patient Classification Systems International Conference, Helsinki, September, **Léan McMahon, Nathan Cunningham, Jacqueline O’Reilly, Richard Layte, Miriam M. Wiley**.

“Towards a Predictive Model of Long-Term Care Demand for Northern Ireland and the Republic of Ireland”, British Geriatrics Society, Belfast, April, **Maev-Ann Wren**.

“Using HIPE Data for Research & Audit: Critical Factors for Success”, HIPE Users Group, HSE, April, **Miriam M. Wiley, Aisling Mulligan**.

“Work-family Conflict and the Great Recession”, European Social Survey Conference: ‘Trans-national Evidence’, Newman House, Dublin, June, **Frances McGinnity**.

“Work-family Conflict in Europe”, Research Conference: ‘Understanding the Changing Worlds of Capitalism: New Perspectives on the Political Economy of Work, Production and Employment Regimes’, NUI Maynooth, May, **Frances McGinnity**.

11. CHILDREN AND YOUNG PEOPLE

Research Area Coordinator: James Williams

Others working in this area include: Merike Darmody, Richard Layte, Bertrand Maître, Selina McCoy, Frances McGinnity, Aisling Murray, Anne Nolan, Amanda Quail, Helen Russell, Emer Smyth, Maeve Thornton, Dorothy Watson.

Most of the work in this research area is based on data from the *Growing Up in Ireland (GUI)* study, which is funded by the **Department of Children and Youth Affairs**. Research in 2013 generated new findings in three key outcome areas:

- (i) Educational achievement and cognitive capacity: uptake of the free pre-school year; five-year-olds' transition and initial adjustment to school and persistent absenteeism among older primary school children.
- (ii) Socio-emotional and behavioural well-being: parent-child relationships in early childhood and the emotional well-being of children and young people.
- (iii) Physical health, growth and development: the effects of breastfeeding on neuro-development in infancy.

A common finding across different research projects was that outcomes in one area of the child's life were related to outcomes in other areas, e.g., how health linked to educational or socio-emotional development.

Research on non-parental childcare found that, as in other countries, duration of paid maternity leave played a major role in mothers' employment patterns after childbirth. Early returners (before six months) were more likely to be self-employed, young or lone mothers, while later returners (eight and nine months) were likely to be more highly educated, older, Irish-born and living in two-parent families. Almost 40 per cent of nine-month-olds were in regular non-parental childcare. Relative care (predominantly grandparents) was the main form (42 per cent) followed by non-relative care / childminders (31 per cent) and centre-based care (e.g., crèches) coming third (27 per cent). Health risks were related to the type of care setting – there was an increased risk of respiratory tract, ear and gastro-intestinal infection for those in centre-based care.

Research on development from birth to three years of age examined various aspects of infant development,

using the first two waves of *GUI* data. Overall, three-year-olds were found to be in good health. However, while there were no significant differences in their health status at birth, by the time the children were three years of age social gradients in health were emerging, with children from more disadvantaged backgrounds more likely to be reported as having somewhat poorer health.

A particular cause for concern was the high level of overweight and obesity among children as young as three years of age, being highest among children from more socially disadvantaged families. Relative to international trends, three-year-olds in Ireland were found to compare favourably in terms of behavioural problems, although boys and children from more disadvantaged families were more likely to be classified in the problematic range of behaviour. Girls were found to perform measurably better than boys on tests of cognitive ability. Strong social gradients in ability scores, particularly with respect to maternal education, were emerging by the time the child was three years of age.



At the *Growing Up in Ireland* Conference on 'Children's Engagement in Education', May 2013: Mr Ruairi Quinn T.D., Minister for Education and Skills with Emer Smyth, Frances Ruane (Director) and James Williams

CHILDREN AND YOUNG PEOPLE

Project Title	Client/Funding Agency	Status	Researchers
The National Longitudinal Study of Children in Ireland (NLSCI) – <i>Growing Up in Ireland</i> research programme	Department of Children and Youth Affairs	In Progress	J. Williams A. Murray A. Quail M. Thornton

PUBLICATIONS

Journal Articles

“Does Reading to Infants Benefit their Cognitive Development at 9-months-old? An Investigation using a Large Birth Cohort Survey”, *Child Language Teaching and Therapy*, 2013, **Aisling Murray**, Suzanne M. Egan.

“Multi-Dimensional Deprivation Among 9-Year-Olds in Ireland: An Analysis of the *Growing Up in Ireland* Survey”, *Child Indicators Research*, 2013, **James Williams, Aisling Murray**, Christopher T. Whelan*.

“Obesity Levels in a National Cohort of Women Nine Months Postpartum”, *American Journal of Obstetrics and Gynecology*, Vol. 209, Issue 2, August 2013, pp. 124.e1-124.e7, Michael J. Turner, **Richard Layte**.

“Persistent Absenteeism Among Irish Primary School Pupils”, *Educational Review*, Vol. 65, Issue 4, pp.488-501, **Maeve Thornton, Merike Darmody, Selina McCoy**.

“Prevalence and Predictors of Grandparent Childcare in Ireland: Findings from a Nationally Representative Sample of Infants and their Families”, *Child Care in Practice*, 2013, Sinead McNally, Michelle Share, **Aisling Murray**.

“The Effect of Breastfeeding on Neuro-Development in Infancy”, *Maternal and Child Health Journal*, Vol. 17, Issue 9, November 2013, pp. 1680-1688, Cathal McCrory*, **Aisling Murray**.

“The Effect of Pregnancy Intention on Maternal Prenatal Behaviours and Parent and Child Health: Results of an Irish Cohort Study”, *Paediatric and Perinatal Epidemiology*, Vol. 27, Issue 2, March 2013, pp. 208-215, Cathal McCrory*, Sinead McNally.

“Weight, Body Image and Bullying in 9-year-Old Children”, *Journal of Paediatrics and Child Health*, Vol. 49, Issue 4, April 2013, pp. E288-E293, Udo Reulbach, Emma L. Ladewig, Elizabeth Nixon, Mona O’Moore, **James Williams**, Tom O’Dowd.

Reports and Other Publications

Growing Up in Ireland: Development from Birth to Three Years, Infant Cohort Report No. 5, Stationery Office/ Department of Children and Youth Affairs, Dublin, **James Williams, Aisling Murray**, Cathal McCrory*, Sinead McNally.

Growing Up in Ireland: Mothers’ Return to Work and Childcare Choices for Infants in Ireland, Infant Cohort Report No. 2, Stationery Office/Department of Children and Youth Affairs, Dublin, **Frances McGinnity, Aisling Murray**, Sinéad McNally.

Growing Up in Ireland: Design, Instrumentation and Procedures for the Infant Cohort at Wave One (9 months), Infant Cohort Technical Report No. 2, Stationery Office/Department of Children and Youth Affairs, Dublin, **Maeve Thornton, James Williams**, Cathal McCrory*, **Aisling Murray, Amanda Quail**.

Growing Up in Ireland: Design, Instrumentation and Procedures for the Infant Cohort at Wave Two (3 years), Infant Cohort Technical Report No. 3, Stationery Office/ Department of Children and Youth Affairs, Dublin, Cathal McCrory*, **James Williams, Aisling Murray, Amanda Quail, Maeve Thornton**.

Growing Up in Ireland: Parenting and Infant Development, Infant Cohort Report No. 3, Stationery Office / Department of Children and Youth Affairs, Dublin, Elizabeth Nixon, Lorraine Swords, **Aisling Murray**.

* Denotes ESRI Research Affiliate

CHILDREN AND YOUNG PEOPLE

Growing Up in Ireland: Report on Pre-piloting, Piloting and Dress Rehearsal Phases of the Infant Cohort at Wave One (9 months), Infant Cohort Technical Report No. 1, Department of Children and Youth Affairs, Dublin, **Aisling Murray, James Williams, Cathal McCrory***.

ESRI Working Papers

WP453: "Socio-economic Inequalities in Child Health in Ireland", **Richard Layte, Anne Nolan**.

Other Papers

Transition to School Among Five-Year-Olds, Key Finding No. 1, Infant Cohort at five years, **Growing Up in Ireland study team**, November 2013.

Socio-emotional Well-Being of Five-Year-Olds, Key Finding No. 2, Infant Cohort at five years, **Growing Up in Ireland study team**, November 2013.

Well-being, Play and Diet among Five-Year-Olds, Key Finding No. 3, Infant Cohort at five years, **Growing Up in Ireland study team**, November 2013.

The Family Circumstances of Five-Year-Olds, Key Finding No. 4, Infant Cohort at five years, **Growing Up in Ireland study team**, November 2013.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

"A study of Early Complimentary Feeding Determinants in the Republic of Ireland Based on a Cross-Sectional Analysis of the *Growing Up in Ireland Infant Cohort*", **Growing Up in Ireland** Annual Conference, Dublin, November, Patricia Dominguez (TCD), John Kearney, **Richard Layte**.

"Are classroom Internet Use and Academic Performance Higher after Government Broadband Subsidies to Primary Schools?", Irish Economic Association, Maynooth, May, **Seán Lyons**.

"Bold Boys and Good Girls? The Gender Gap in Special Educational Needs in Irish Primary Schools", **Growing Up in Ireland** Annual Conference, Dublin, November, **Denise Frawley, Selina McCoy, Joanne Banks**.

"Breastfeeding Rates in Ireland, New Zealand, Australia and Britain – International Comparative Research Using Child Cohort Studies", **Growing Up in Ireland** Annual Conference, Dublin, November, Susan Morton (GUNZ); **James Williams**; Lucinda Platt (MCS) and Jan Nicholson (LSAC).

"Childcare and Early Childhood Infections: A First Look at Patterns from Wave 1 to Wave 2", **Growing Up in Ireland** Annual Conference, Dublin, November, **Aisling Murray, Frances McGinnity, Tom O'Dowd (TCD)**.

"Childcare and Early Childhood Infections: A First Look at Patterns from Wave to Wave 2", **Growing Up in Ireland** Annual Conference, Dublin, November, **Aisling Murray**.

"Children's Activities and Outcomes", **Growing Up in Ireland** Annual Conference, Dublin, November, **Amanda Quail, James Williams, Emer Smith, Siobhan Scarlett**.

"Early introduction of Cow's Milk in Infants in Ireland", **Growing Up in Ireland** Annual Conference, Dublin, November, Elaine Murray, John Kearney, **Richard Layte**.

"Educational Engagement and Special Educational Needs", **Growing Up in Ireland** Conference: 'Children's Engagement in Education', Dublin, May, **Joanne Banks** and **Selina McCoy**.

"Emotional and Behaviour Influences on Academic Achievement", **Growing Up in Ireland** Annual Conference, Dublin, November, **Maeve Thornton, Mark Morgan (TCD), James Williams**.

"Explaining Social Class Variation in Child Weight Gain from Birth to Age Three", **Growing Up in Ireland** Annual Conference, Dublin, November, **Richard Layte, Regien Biesma-Blanco**.

"Fun, Learning or Both – Does it Matter to Academic Achievement What Children Do on the Internet?", **Growing Up in Ireland** Annual Conference, Dublin, November, **Dorothy Watson**.

"Gender and Educational Engagement", **Growing Up in Ireland** Conference: 'Children's Engagement in Education', Dublin, May, **Denise Frawley, Selina McCoy, Maeve Thornton**.

* Denotes ESRI Research Affiliate

CHILDREN AND YOUNG PEOPLE

“Getting Our Message Heard – Improving the Research/ Policy Interface “, Society for Longitudinal and Life Course Studies Annual Conference: ‘Growing Up and Growing Old: Health Transitions Throughout the Lifecourse’, Amsterdam, September, **James Williams**.

“*Growing Up in Ireland – The First Findings from the Infant Cohort at Five years*”, *Growing Up in Ireland* Annual Conference, Dublin, November, **James Williams**.

“Health Eligibility and Utilisation of GP Services”, *Growing Up in Ireland* Annual Conference, Dublin, November, **Richard Layte** and **Anne Nolan**.

“Income-Related Inequity in the Use of GP Services by Children: a Comparison of Ireland and Scotland”, Irish Economic Association, Maynooth, May, **Anne Nolan**, **Richard Layte**.

“Informing Policy through Research and Evidence – Examples from the Prevention and Early Intervention Initiative and *Growing Up in Ireland*”, CES/ESRI Conference: ‘When and How Can Evidence Inform Policy? – Informing Policy through Research and Evidence’, ESRI, September, **James Williams**, Stella Owens (CES).

“Interviewing Children and Young People in *Growing Up in Ireland*”, European Survey Research Association, Annual Conference, Ljubljana, Slovenia, July, **Aisling Murray**.

“Is Excessive Crying an Early Marker of Childhood Behavioural Problems”, *Growing Up in Ireland* Annual Conference, Dublin, November, Cathal McCrory* and Elizabeth Nixon (GUI Management Team).

“Out-of-School Activities and Children’s Learning”, Centre for Research on Families and Relationships Seminar Series, University of Edinburgh, Scotland, December, **Emer Smyth**, **Selina McCoy**, **Amanda Quail**.

“Parental Involvement and Children’s Academic Outcomes – Comparing Immigrant and Irish Children in Ireland”, *Growing Up in Ireland* Annual Conference, Dublin, November, **Frances McGinnity**, **Merike**

Darmody, **Aisling Murray**.

“Parenting, Families and Child Development: Lessons from *Growing Up in Ireland*”, Fifth Annual Young Ballymun Conference, Dublin, November, Elizabeth Nixon.

“School Social Mix, School Practices and Student Outcomes” *Growing Up in Ireland* Conference: Children’s Engagement in Education, Dublin, May, **Amanda Quail**, **Selina McCoy**, **Emer Smyth**.

“Socio-economic Status, Economic Strain and Child Externalising Behaviours”, Society for Longitudinal and Life Course Studies Annual Conference, Amsterdam, September, **Maeve Thornton**, **Richard Layte**.

“Student Behaviour and Behaviour Policy in Primary Schools” Educational Studies Association of Ireland Annual Conference, Limerick, March, **Amanda Quail**, **Emer Smyth**.

“The Effect of Home-based Learning Activities on the Cognitive Development of Young Children”, Psychological Society of Ireland Annual Conference, Sligo, November, **Aisling Murray**.

“The Impact of Adverse Life Events in Childhood on Socio-emotional Outcomes”, (Centre for Longitudinal Studies in Ireland) CLSI Conference: ‘The Long Shadow of Childhood Adversity’, Dublin, June, **James Williams**, Mark Morgan (TCD).

ESRI SEMINARS

“Absent Parents, Absent Siblings: Two Sides of Lone Parenthood for Children”, Tony Fahey, University College Dublin.

“Between Ivory Towers and Earthen Trenches: Developing Rigorous Research in Real World Settings”, Suzanne Guerin, University College Dublin.

“What Matters for Child Well-Being in the Early Years? Evidence from the UK Millennium Cohort Study and Policy Implications”, Kathleen Kiernan, University of York.

* Denotes ESRI Research Affiliate

12. BEHAVIOURAL ECONOMICS

Research Area Coordinator: Pete Lunn

Others working in this area include: Marek Bohacek, Seán Lyons, Jason Somerville.

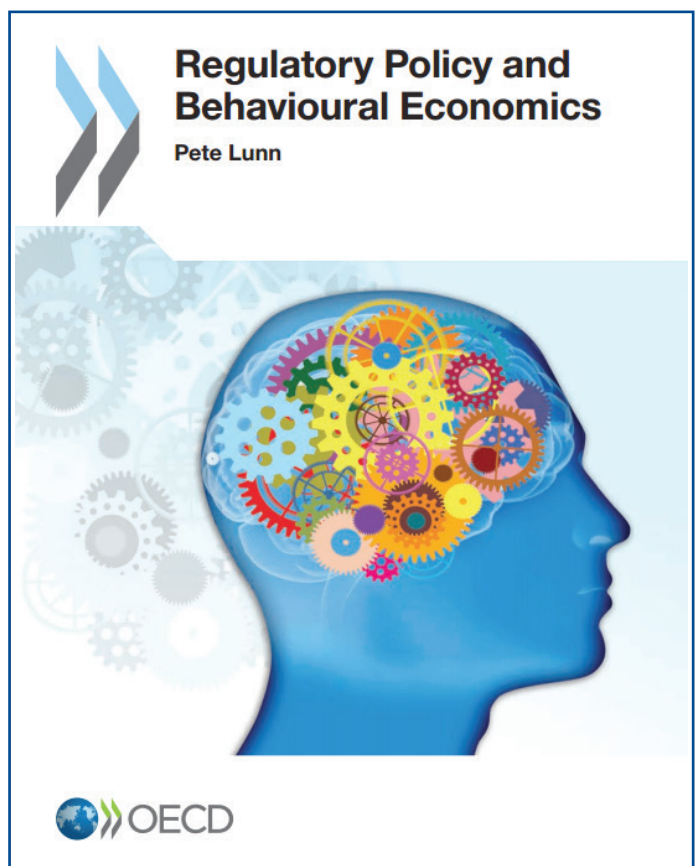
This new research area aims to exploit recent advances in behavioural economics to inform policy. Behavioural economics is influenced by experimental psychology and takes an inductive approach to economic research. It involves the repeated observation of economic behaviour, mostly through controlled experiments, in order to uncover the underlying principles of economic decision-making and behaviour. The method has the capacity to inform policy across a broad range of policy areas, although the initial focus of the programme has been the application to regulatory policy.

The priority in 2013 was the initial establishment of the *Programme of Research Investigating Consumer Evaluations (PRICE Lab)*, which is co-funded by the **Central Bank of Ireland, National Consumer Agency, Commission for Energy Regulation** and **ComReg**. The main research question for *PRICE Lab* is: “how complex do products have to be before consumers find it hard to make good choices?” The work involves designing and carrying out computerised experiments to be undertaken by groups of Dublin consumers. By mid-2013 *PRICE Lab* was up and running in a laboratory in the ESRI and the first experiments were being carried out.

By the end of the year, four experiments had been conducted. The results revealed the difficulty consumers have in valuing products with multiple attributes, and showed how the number rather than the nature of the attributes is what primarily determines how accurately consumers can value complex products. These results have potential implications for the regulation of markets with multi-attribute or “bundled” products, such as financial services, energy and telecommunications.

Research in behavioural economics concentrated on two other projects. First, a major review of how behavioural economics is informing regulatory policy in developed countries was commissioned by and completed for the **OECD**, and will be published as an OECD monograph.

Second, work continued on the lessons of behavioural economics for the regulation of telecommunications markets, funded by **ComReg** (further details in the Communications Research Area 4). Finally, this research area received considerable interest during the year from several government departments and agencies. Workshops in behavioural economics and its potential lessons for policy were delivered to the Public Service Evaluation Network, the Commission for Energy Regulation’s working group on Smart Meters, the Department of Health and the Department of Social Protection.



The cover of Pete Lunn’s monograph *Regulatory Policy and Behavioural Economics*, OECD 2014

BEHAVIOURAL ECONOMICS

Project Title	Client/Funding Agency	Status	Researchers
A Programme of Research Investigating Consumer Evaluations (<i>PRICE Lab</i>)	National Consumer Agency, Commission for Energy Regulation, ComReg, and the Central Bank of Ireland	In Progress	P. Lunn M. Bohacek J. Somerville
Use of Behavioural Economics in Regulatory Policy	OECD	Completed	P. Lunn

PUBLICATIONS

Journal Articles

“Telecommunications Consumers: A Behavioral Economic Analysis”, *Journal of Consumer Affairs*, Vol. 47, Issue 1, Spring 2013, pp. 167-189, **Pete Lunn**.

“The Role of Decision-making Biases in Ireland’s Banking Crisis”, *Irish Political Studies*, Vol. 28, Issue 4, 2013, pp. 563-590, **Pete Lunn**.

ESRI Research Bulletins

“Telecommunications Consumers: A Behavioural Economic Analysis”, ESRI Research Bulletin No. 2012/4/3, **Pete Lunn**.

ESRI Working Papers

WP455: “Are Consumer Decision-Making Phenomena a Fourth Market Failure?”, **Pete Lunn**.

PRESENTATIONS/PAPERS READ TO CONFERENCES AND LEARNED SOCIETIES

“A Known Unknown: The Implications of Behavioural Economics for Consumer and Competition Policy”, Competition Authority and National Consumer Agency Conference: ‘European Competition and Consumer Day’, Dublin Castle, May, **Pete Lunn**.

“A Novel Experimental Method for Measuring the Accuracy of Consumer Evaluations of Multi-Attribute Products”, Society for the Advancement of Behavioral Economics/International Association of Researchers in Economic Psychology, Annual Conference, Atlanta, July, **Pete Lunn**.

“Behavioural Economics and Policymaking”, Public Service Evaluation Network Workshop, Dublin, **Pete Lunn**.

“Behavioural Economics and Regulatory Policy”, OECD Regulatory Policy Committee, Paris, November, **Pete Lunn**.

“Decision-Making and Behavioural Economics”, Department of Social Protection, Dublin, **Pete Lunn**.

“Dimensional Limits in Multi-Attribute Valuations”, Irish Economics and Psychology Conference, Maynooth, November, **Marek Bohacek, Pete Lunn**.

“How Accurately Can People Resolve Trade-offs? ”, Irish Economics and Psychology Conference, Maynooth, November, **Pete Lunn, Marek Bohacek**.

“How Many Product Attributes can Consumers Simultaneously Consider?”, Society for the Advancement of Behavioral Economics/International Association of Researchers in Economic Psychology, Annual Conference, Atlanta, July, **Marek Bohacek**.

“Researchers Imply, Policymakers Infer: Perspectives on the Relationship Between Evidence and Policy”, ‘Reform of Public Policymaking’, SSISI, Dublin, March, **Pete Lunn**.

NATIONAL STUDY OF CHILDREN (GROWING UP IN IRELAND)

Project Title	Client/Funding Agency	Core <i>Growing Up in Ireland</i> Team at 31 December 2013	
The National Longitudinal Study of Children and Young People in Ireland – <i>Growing Up in Ireland</i> research programme	Department of Children and Youth Affairs	J. Williams (Lead) E. Burke F. Burke D. Frawley J. Gleeson C. Kirwan N. Lynch	A. Murphy A. Murray P. Needham A. Quail E. Ryan M. Thornton

Throughout 2013 work continued on *Growing Up in Ireland* – the national longitudinal study of children and young people. This programme is funded by the **Department of Children and Youth Affairs** in association with the **Department of Social Protection** and the **Central Statistics Office** and is being implemented by a consortium of researchers led by the ESRI and Trinity College Dublin.

Fieldwork for the third round of interviews with the children and their families in the Infant Cohort was carried out between March and October. The children themselves (at five years of age) directly participated in the interview process. This home-based phase of fieldwork was followed by interviews in the schools with each child's teacher and school principal. The school-based component of the work began in November and is scheduled to run until May 2014.

Analysis of the survey data by researchers, policymakers and others across Ireland was facilitated by the Study Team running eight data workshops during the year. These were very well attended by participants from researcher, policymaker and other stakeholder groups.

Three major reports from the project were launched in the course of 2013, by the Minister for Children and Youth Affairs, Frances Fitzgerald, T.D. A report on *Mothers' Return to Work and Childcare Choices in Ireland* examined a range of topics relating to the care of children; the extent and nature of non-parental childcare; and the association between childcare and infant health. A report on *Development from Birth to Three Years* focused on changes in the child's development across successive rounds of data collection. A report *Parenting and Infant Development* reviewed infants' development at 9 months of age and how this was related to parenting within families. This report also considered factors which are associated with parental sensitivity and stress.

In November, data from a time-use diary which was completed by the 9-year-olds in the Child Cohort were deposited in the national data archive. These data (which can be linked to the core survey data from the 9-year-olds and their families) provide a unique insight into the everyday life of the children and offer the potential for new areas of research which were not previously possible in Ireland.

Three conferences and a symposium were held in the course of 2013. In May, the Minister for Education and Skills, Mr Ruairi Quinn T.D., opened a conference on *Children's Engagement in Education* at the ESRI. In September, an academic conference was held on *Bullying and Child Health*. Papers included a review of international trends in bullying and its relationship to ill-health as well as the association between bullying and: chronic disease, socio-emotional difficulties, elevated Body Mass Index, and healthcare utilisation. A symposium on *Informing Policy through Research and Evidence – Examples from the Prevention & Early Intervention Initiative and Growing Up in Ireland* was also held in September. This symposium, opened by the Minister for Children and Youth Affairs, Frances Fitzgerald T.D., considered the translation of research on children and young people to policy and practice. Finally, the fifth *Growing Up in Ireland* Annual Research Conference was held on 27 November. At the conference the first findings from the home-based component of the Infant Cohort at 5 years of age were launched. The programme included 30 papers based on *Growing Up in Ireland's* Child and Infant Cohorts. They covered a range of topics on the growth and development of children and young people including their health, parenting, education and childcare. The keynote address, entitled *Assessing Child Poverty: measurement, comparisons, trends*, was delivered by Dr Jon O. Jonsson, Professor of Sociology at the Swedish Institute for Social Research, Stockholm University, and Director of the Swedish 'Level-of-Living' surveys.



Counterclockwise, from top: (L to R) (1) Sinead McNally (TCD), Fran McGinnity, Minister Frances Fitzgerald, T.D., Minister for Children and Youth Affairs, Frances Ruane (Director) and Aisling Murray at Launch of the *Report on Mothers' Return to Work and Childcare Choices for Infants in Ireland*, 22 July 2013. (2) Maeve Thornton; Aisling Murray; James Williams and Amanda Quail at the *Growing Up in Ireland (GUI) 5th Annual Research Conference*, 27 November 2013. (3) Oliver Smyth and Niamh Finglas at the *GUI 5th Annual Research Conference*. (4) Lorraine Swords (TCD); Jamie Waters and Minister Frances Fitzgerald T.D. at Launch of *Report on Parenting and Infant Development*, 4 November 2013.

NATIONAL HEALTH DATA PROGRAMMES

Project Title	Client/Funding Agency	HIPE and NPRS team	
Hospital In-Patient Enquiry (HIPE)/National Perinatal Reporting System (NPRS)	Health Service Executive	M. M. Wiley (Lead) S. Bonham A. Brick M. Chance N. Cunningham J. Curley P. Dunne C. Glennon M. Glynn J. Hunter K. Kearns S. Leavy	A. Lewandowska B. McCarthy S. McDermott M. McKenna L. McMahan L. Metcalfe A. Mulligan D. Murphy C. O'Donovan S. O'Hara J. O'Reilly I. Sikora S. Smyth

During 2013, the **Health Service Executive** funded the ESRI to manage and develop two national data bases collecting health information from administrative records.* During 2013 the Hospital In-Patient Enquiry Scheme (HIPE) Report for 2012 and the National Perinatal Reporting System (NPRS) Report for 2012 were published.

In addition to publishing reports, responsibilities for these data systems include development of the relevant software, training of all clinical coders nationally, regular updating of the national databases, facilitating access to the data and ensuring that data quality checks are applied and quality standards supported. In December 2013 a *Memorandum of Understanding* was signed with the ESRI and Dublin Institute of Technology accrediting the Health Research and Information Division's coder training programme. This will lead to the awarding of a NFQ Level 6 certificate to successful candidates.

In 2013, five updates to the national software for collecting and reporting on HIPE data were delivered, 1,366 IT support calls were processed and 49 national file updates released. A total of 66 training courses were delivered to 824 participants across a range of areas including clinical coding, quality review, and report development. In addition, almost 500 coding queries were processed. With regard to data quality initiatives, almost 24,000 checks were issued during the year. Targeted data quality initiatives were undertaken in collaboration with the HSE. As a response to the specific data requirements of a number of HSE clinical programmes, a dedicated data collection facility has

been integrated into the HIPE Portal to meet the data needs of the programmes on stroke, cardiac care, heart failure and hip fracture. In 2013 two nursing KPI screens on falls and pressure ulcers were developed.

The development of the HIPE Online Portal (HOP) has been an important step towards ensuring that relevant users have easy, prompt and appropriate access to the national databases. With this facility, a secure remote desktop protocol allows authorised users access HIPE data and the HIPE Portal Reporter tools. All HIPE national files are now released via the HOP server and its fileserve module. As of December 2013, there were over 60 registered HOP users from various organisations including the HSE, National Casemix Programme, HIQA, and National Cancer Control Programme. In addition to the HOP, data can also be accessed via the HIPE online reporter. Three courses for HIPE Data Users covering all aspects of HIPE including data interpretation and the use of the software were held for 35 data users. In 2013, over 90 requests for HIPE or NPRS data were completed for users with specific requirements.

Advancing the research potential of the HIPE and NPRS databases continued throughout the year with conference presentations and publications on a range of issues. A project for HIQA on the development of performance indicators for patient safety was completed in 2013 (see Page 46). A number of projects were advanced throughout 2013 including (i) an investigation of factors impacting on Caesarean Section Rates funded by the **Health Research Board**,

*This long-standing relationship with the HSE has changed with effect from January 2014, with the establishment of the Healthcare Pricing Office, which now incorporates the staff and activities in HIPE and NPRS.

and (ii) The Stroke Rehabilitation in Ireland project, funded by the **Irish Heart Foundation** (see Page 46). The latter submitted an Interim Report in August 2013 and will produce a Final Report in 2014. This collaborative project between the ESRI and the Royal College of Surgeons in Ireland has been extended to facilitate collaboration with the National University of Ireland in

Galway and King's College London to model the cost effectiveness of existing and preferred pathways of rehabilitation for survivors of stroke in Ireland.



At the ESRI-TCD Conference “Health Systems in the Era of Austerity” were (L to R) Sarah Barry (TCD), José Repullo (Institute for Health, Madrid), Anne Nolan (ESRI), Matt Jowett (WHO), Sarah Thomson (LSE), Steve Thomas (TCD) and Triin Habicht (Estonian Health Insurance Fund), 18 June 2013

EXTERNAL STAFF COMMITMENTS

A. BARRETT

- (i) Member, Irish Fiscal Advisory Council.
- (ii) Member, Economic and Social Studies Council.
- (iii) Research Fellow, Institute for the Study of Labour (IZA), Bonn.
- (iv) Co-Editor, *Journal of European Labor Studies*, IZA.

A. BERGIN

- (i) Member, CSO Expert Group on Population and Labour Force Projections.

S. BONHAM

- (i) Member, Scientific Committee on EURO-PERISTAT project.

T. CALLAN

- (i) Research Fellow, Institute for the Study of Labour (IZA), Bonn.
- (ii) Member, Technical Advisory Group of Social Inclusion Division. Department of Social Protection.
- (iii) Member, International Scientific and Advisory Board, *Institute of Public Policy Thomas Jefferson – Correia da Serra, Lisbon*.

J. CURLEY

- (i) Member, Expert Group on Prospective Funding in Palliative Care, HSE Clinical Strategy and Programmes Directorate.

M. DARMODY

- (i) Associate Editor, *European Sociological Review*.
- (ii) Member, International Integration Steering Committee (TCD).

J. FITZGERALD

- (i) Member Independent Expert Panel – Grid25.
- (ii) Member, Central Bank Commission.
- (iii) Member, UCD External Advisory Board on Energy Research.

- (iv) President, Association d'Instituts Européens de Conjoncture Economique.

P. GERLACH-KRISTEN

- (i) Lecturer, Trinity College Dublin.

P.K. GORECKI

- (i) Non-Governmental Advisor, Merger Working Group, International Competition Network.
- (ii) Member, National Waste Forum.

E. KELLY

- (i) Member, CSO Enterprise Statistics Liaison Group.

G. KINGSTON

- (i) Teaching Assistant, Trinity College Dublin

R. LAYTE

- (i) Director, Centre for Longitudinal Studies in Ireland.
- (ii) Supervisor, Ph.D. candidate in Primary Care, Royal College of Surgeons in Ireland.
- (iii) Supervisor, Ph.D. candidate in Health Psychology, Royal College of Surgeons in Ireland.
- (iv) Supervisor, Ph.D. candidate in Dept. Social Policy and Social Work, TCD.
- (v) Member, Adelaide and Meath Society Policy Committee.
- (vi) Member, Editorial Advisory Committee, *Administration*.

P. LUNN

- (i) ESRI representative, Royal Irish Academy Social Sciences Committee.
- (ii) Member, Academic Advisory Forum of National Consumer Agency.

EXTERNAL STAFF COMMITMENTS

S. LYONS

- (i) Honorary Secretary, Statistical and Social Inquiry Society of Ireland.
- (ii) Co-Supervisor, three Ph.D. Candidates, Department of Economics, TCD.

B. MAITRE

- (i) Member, Technical Advisory Group of Social Inclusion Division, Department of Social Protection.

B. MCCARTHY

- (i) Member, Subcommittee on Public/Private Mix in Consultant Contract.
- (ii) Member, Executive Committee, Patient Classification Systems International.

S. MCCOY

- (i) Member, Editorial Board, *Irish Educational Studies*.
- (ii) Member, Higher Education Access Route (HEAR) Advisory Group, IUA/HEA.
- (iii) Member, International Editorial Board, CAISE Review, Hong Kong.

F. MCGINNITY

- (i) Co-supervisor, Ph.D candidate in Dept Sociology, TCD.
- (ii) Examiner, Ph.D. Candidate, Trinity College Dublin
- (iii) Council Member, Economic and Social Studies.
- (iv) Member, Advisory Committee for Research Project on Refugee Integration, UNHCR Ireland.

S. MCGUINNESS

- (i) Adjunct Associate Professor, National Institute of Labour Studies, Flinders University, Adelaide, Australia.

E. MORGENROTH

- (i) Member, Irish Branch Committee, Regional Studies Association.
- (ii) Member, National Economic and Social Council (NESC).

- (iii) Member, Public Service Evaluation Network, Department of Public Expenditure and Reform.
- (iv) Board Member, Sustainable Energy Authority of Ireland (SEAI).
- (v) Member, Audit Committee, Sustainable Energy Authority of Ireland (SEAI).
- (vi) Member, Policy Committee, Sustainable Energy Authority of Ireland (SEAI).
- (vii) Member, CSO Expert Group on Population and Labour Force Projections.
- (vii) Member, Advisory Committee on Northern Ireland Infrastructure Audit, Strategic Investment Board of Northern Ireland.

D. MURPHY

- (i) Member, 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).

A. NOLAN

- (i) Member, Steering Group, HRB-funded project 'National and Regional Projections of GMS Community Drug Costs'.
- (ii) Reviewer, UK National Institute for Health, Research Evaluation, Trials and Studies Coordinating Centre (NETSCC)

C. O'DONOVAN

- (i) Member, consultant trainer, the Association for Clinical Data Management (ACDM).

C. O'TOOLE

- (i) Member, CSO Enterprise Statistics Liaison Group.

EXTERNAL STAFF COMMITMENTS

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) Honorary 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, Royal Irish Academy
- (viii) Member, Council of Economic Advisors to the First Minister of Scotland
- (ix) Member, Scottish Fiscal Commission Working Group.
- (x) Member, Economic Advisory Group, Department of Enterprise, Trade and Industry, Northern Ireland.
- (xi) Member, National Pensions Reserve Fund Commission.
- (xii) Chairman, Area Based Childhood Programme 2013-2016
- (xiii) Member, Audit Committee, National Pensions Reserve Fund
- (xiv) Member, Oversight Board for *Irish Government Economic and Evaluation Service* (IGEES)

H. RUSSELL

- (i) Associate Journal Editor, *Economic and Social Review*.
- (ii) Chairperson of National Steering Group, European Social Survey and Irish representative on ESS ERIC General Assembly.
- (iii) Member of Technical Advisory Group on Social Inclusion, Dept of Social Protection.

E. SMYTH

- (i) Co-editor, *Irish Educational Studies*.
- (ii) Committee Member, European Transitions in Youth Network.

- (iii) Chair, Inclusive Research in Irish Schools (IRIS) Steering Group.
- (iv) Chair, Music Generation Research Board.
- (v) Member, European Social Survey Steering Group.

I. SIEDSCHLAG

- (i) Member, TCD-ESRI Steering Group.
- (ii) Joint Scientific Co-ordinator and Member of Steering Committee, International Research Consortium "The Impact of Service Sector Innovation and Internationalisation on Growth and Productivity".
- (iii) Member, Steering Committee, European Network of Economic Policy Research Institutes (ENEPRI).
- (iv) Member, ESRI Representative, The European Money and Finance Forum (SUERF).
- (v) Research Associate, Institute for International Integration Studies, Trinity College Dublin.
- (vi) Member, Doctoral Studies Panel, School of Economics, University College Dublin.
- (vii) Member, International Advisory Board, *Eastern Journal of European Studies*.
- (viii) Member, Editorial Board, *Economic Systems*.
- (ix) External Member, Ph.D Committee, Complutense University Madrid .
- (x) Member, Scientific Committee, Irish Economic Association Annual Conference.
- (xi) Council Member, Irish Economic Association.
- (xii) Member, Advisory Board on "Composite Indicators for the Innovation Union", European Commission, Joint Research Centre, DG.
- (xiii) Member, Scientific Committee, International Network for Economic Research.

D. WATSON

- (i) Member, Office for Social Inclusion, Technical Advisory Group.

EXTERNAL STAFF COMMITMENTS

M. M. WILEY

- (i) Member, Health Information Standards Steering Committee (HIQA).
- (ii) Member, Subcommittee on Public/Private Mix in Consultant Contract (HSE).
- (iii) Member, Advisory Group for Nurse Forecasting: Resource Planning in Nursing (FP7).
- (iv) Member, Information Executive Group, HSE.

M.A. WREN

- (i) Co-Supervisor, Ph.D. candidate, HRB Ph.D. Scholars Programme in Health Services Research, Centre for Health Policy and Management, Trinity College Dublin.
- (ii) Visiting Research Fellow, Centre for Health Policy and Management, Trinity College Dublin.

J. WILLIAMS

- (i) Member, Advisory Panel of Experts, Lifestart Foundation, Queen's University Belfast.
- (ii) Member, TCD-ESRI Steering Group
- (iii) Member, Steering Group, Centre for Longitudinal Studies in Ireland.

STAFF

STAFF AT 31 DECEMBER 2013

Directorate

Frances Ruane (*Director*)
Claire Buckley (*HR Manager*)

Children's Longitudinal Research

Elizabeth Burke
Fiona Burke
Claire Delaney
Denise Frawley
Jackie Gleeson
Niamh Lynch
Aoife Murphy
Aisling Murray
Pauline Needham
Amanda Quail
Maeve Thornton
James Williams (*Division Manager*)

Corporate Resources

Eleanor Bannerton
Sarah Burns
Patricia Byrne
Bernice Clancy
Martina Clarke
Liz Coyle
Tina Gao
David Gorman
Adrienne Jinks
Ingrida Jonikaite
Rachel Joyce**
Francis McEvoy
Regina Moore
Clare O'Neill
Charles O'Regan
Bernadette Ryan
Patrick Smith
Jackie Turner

Economic Analysis & Social Research

Joanne Banks
Alan Barrett (*Division Manager*)
Adele Bergin
Marek Bohacek
David Byrne
Elaine Byrne
Tim Callan
Niall Conroy
John Curtis
Merike Darmody
Niamh Devitt
Valeria di Cosmo
David Duffy
Niall Farrell
John FitzGerald
Petra Gerlach-Kristen
Egle Gusciute
Marie Hyland
Corona Joyce
Claire Keane
Elish Kelly
Gillian Kingston
Richard Layte
Pete Lunn
Seán Lyons
Bertrand Maître
Laura Malaguzzi Valeri
Selina McCoy
Frances McGinnity
Seamus McGuinness
Niall McInerney
Edgar Morgenroth
Gavin Murphy
Anne Nolan**
Brian O'Connell
Conor O'Toole
Emma Quinn

Helen Russell
Michael Savage
Iulia Siedschlag
Emer Smyth (*Division Manager*)
Jason Sommerville
Kevin Timoney
Darragh Walsh
John R. Walsh
Dorothy Watson
Adele Whelan

Health Research & Information

Sheelagh Bonham
Aoife Brick
Lorna Collins**
Grainne Cosgrove**
Nathan Cunningham
Philip Dunne
Catherine Glennon
Marie Glynn
Joe Hunter
Karen Kearns
Shane Leavy
Anna Lewandowska
Brian McCarthy
Shane McDermott
Mark McKenna
Laura Metcalfe
Aisling Mulligan
Deirdre Murphy
Cliona O'Donovan**
Sinéad O'Hara
Jacqueline O'Reilly
Izabela Sikora
Samantha Smith
Miriam Wiley (*Division Manager*)
Maev-Ann Wren

** On Secondment.

IN MEMORIAM



Kieran A. Kennedy
ESRI Director 1971-1996

Kieran Kennedy was Director of the ESRI for a quarter of a century. He was educated at UCD (Diploma in Public Administration, B. Comm. and M. Econ. Sc.), Oxford University (B.Phil.) and Harvard University (Phd). He studied under Professor John Hicks in Oxford, and under Professors Wassily Leontief and Simon Kuznets in Harvard. The latter supervised his doctoral dissertation on industrial productivity in Ireland, *Productivity and Industrial Growth: the Irish Experience*, which was subsequently published as a book by the Oxford University Press (1971).

Professor Kennedy began his professional career in the civil service (Office of the Comptroller & Auditor General, the Department of Industry & Commerce and the Department of Finance). He joined the ESRI research staff in 1968, and following a brief secondment to the Central Bank of Ireland in 1970/71, he was appointed Director of the Institute in 1971. He held this position until his formal retirement in 1996. After his retirement he continued to contribute to the ESRI, leading the *Quarterly Economic Commentary* in December 1999 and March 2000.

Kieran Kennedy's main research interests were economic growth, the development of the Irish economy, employment, unemployment and industrial development. He published extensively in these areas and acted as an independent expert on the 1982 economic plan 'The Way Forward'.

He was an early and persistent advocate of restoring order in the public finances when deficits rose in the late 1970s. He sought to focus attention on the problem of the long-term unemployment, with this was reflected in the important emphasis it had in Institute research. His commitment to tackling unemployment and its very serious social consequences reflected both his personal beliefs and his experience in voluntary social work.

Professor Kennedy guided the ESRI through a very difficult period in the late 1980s when government financial cutbacks could have seen its survival threatened. He raised research income from new sources (including philanthropy) and agreed a new funding model with the Department of Finance. He maintained strongly that independent, high-quality research was a fundamental requirement for good policymaking. Throughout his period as Director, he continued the tradition of his predecessors of seeking to ensure that the ESRI could be funded by government and yet remain independent of it when it came to analysis and commentary.

Among many academic honours, he was elected to the Royal Irish Academy in 1973 and awarded an honorary doctorate by Trinity College Dublin in 1993. He is fondly remembered by colleagues for his very significant contribution to the development of the Institution over 25 years.

Ar dheis Dé go raibh a hanam dílis.

THE ECONOMIC AND SOCIAL RESEARCH INSTITUTE

ATION SKILLS & TRAINING POVERTY SOCIAL DISADVANTAGE TAX MODEL
ALITY HEALTH SYSTEMS HEALTH CARE QUALITY ACCESS TO HEALTHCA
-COMMERCE ENERGY MARKETS RENEWABLE POWER CLIMATE POLICY I
TURE CHILDHOOD FAMILY AGEING IMMIGRATION TAX & WELFARE POLICY
LLING TRADE SMES HOUSEHOLD BEHAVIOUR PRODUCTIVITY INNOVATIO
KING CONDITIONS UNEMPLOYMENT HOUSING MARKETS GOVERNANCE
PATHWAYS SCHOOLS AND LEARNING SPECIAL EDUCATION NEEDS FURT
TRAINING POVERTY SOCIAL DISADVANTAGE TAX MODELLING INCOME D
SYSTEMS HEALTH CARE QUALITY ACCESS TO HEALTHCARE HEALTH INE
ENERGY MARKETS RENEWABLE POWER CLIMATE POLICY ENVIRONMENT
D FAMILY AGEING IMMIGRATION TAX & WELFARE POLICY REGULATION M
SMES HOUSEHOLD BEHAVIOUR PRODUCTIVITY INNOVATION CONSUME
DITIONS SUSTAINABLE SCHOOLS AND LEARNING SOCIAL HOUSING MAR
AYS ECONOMIC GROWTH ENERGY MARKETS PROGRESS SPECIAL EDU
R EDUCATION SKILLS & TRAINING POVERTY SOCIAL DISADVANTAGE TAX
ME INEQUALITY HEALTH SYSTEMS HEALTH CARE QUALITY ACCESS TO H
DBAND E-COMMERCE ENERGY MARKETS RENEWABLE POWER CLIMATE
ASTRUCTURE CHILDHOOD FAMILYREGULATION MACRO MODELLING TRA
USEHOLD BEHAVIOUR PRODUCTIVITY INNOVATION CONSUMER SENTIME
T HOUSING MARKETS GOVERNANCE WELLBEING INTEGRATION EDUCAT
NG SPECIAL EDUCATION NEEDS REGULATION MACRO MODELLING TRAD
USEHOLD BEHAVIOUR PRODUCTIVITY INNOVATION CONSUMER SENTIME
T HOUSING MARKETS GOVERNANCE WELLBEING INTEGRATION EDUCAT
NG SPECIAL EDUCATION NEEDS FURTHER AND HIGHER EDUCATION SKIL
ANTAGE TAX MODELLING INCOME DISTRIBUTION INCOME INEQUALITY H
ACCESS TO HEALTHCARE HEALTH INEQUALITIES BROADBAND E-COMM

Whitaker Square, Sir John Rogerson's Quay, Dublin 2

Telephone +353 1 8632000 **Fax** +353 1 8632100 **Email** admin@esri.ie **Web** www.esri.ie

ISBN No. 978 0 7070 03689

Printed on Recycled Paper