

PROGRAMME

5th World Congress of the International Microsimulation Association

2-4 September 2015

Maison du Savoir, Campus Belval, Esch-sur-Alzette, Luxembourg

IMA
5th CONGRESS
2015

General Remarks

- 1) Chair (*for all sessions*) : the presenter of the 1st paper as scheduled for the session will act as chair for the session
 2) Duration (*for each paper*) : 15' for presentation + 5' for questions
 NB : for sessions involving 5 presentations, this leads to 10' overtime (100' on the whole) => be strict

Wednesday, 2nd September

8.30	Main floor	Registration opens / Coffee Welcome		
10.00	Amphi	Congress Welcome by Thomas Dominique (<i>Representative of the Minister of Social Security, Mr Romain Schneider</i>), Hilmar Schneider (<i>CEO of LISER</i>) and Cathal O'Donoghue (<i>President of the IMA</i>)		
10.30		Plenary session (Keynotes)		
		Title		Keynote(s)
	Amphi	Agent-based modelling of activity-travel behaviour for large-scale simulation: recent developments and applications		Theo Arentze (<i>Eindhoven University of Technology, The Netherlands</i>)
		Joint CGE-microsimulation modeling: A review of linking approaches		Luc Savard (<i>Sherbrooke University, Canada</i>)
12:00	Main floor	Lunch		
13:30		Parallel sessions I		
		Tax-Benefit analysis, Comparisons & Decomposition : Compare Countries		
		Paper n°	Title	Author(s)
	Amphi	71	Investigating the homeownership bias in personal income taxation using EUROMOD	Gerlinde Verbist, Francesco Figari, Francesca Zantomio
		172	Tax-benefit systems, employment structures and the distribution of household disposable income: the UK versus Ireland	Denisa Maria Sologon, Philippe Van Kerm, Cathal O'Donoghue
		166	Private and public contributions in childcare costs. A distributive analysis for seven EU countries	Tine Hufkens, Gerlinde Verbist
		1240	The end of cheap talk about poverty reduction: The cost of eradicating poverty while looking at the structure of incentives	Diego Collado, Bea Cantillon, Tim Goedeme, Karel VandenBosch, Dieter Vandelannoote
		Dynamic Microsimulation : Methodo		
		Paper n°	Title	Author(s)
	Room I	49	Investigating Monte Carlo Variation in a Dynamic Microsimulation Model	Michael Simpson, Julie Topoleski
		50	Lifelong training policies calibration with a dynamic microsimulation model	Pierre Courtioux, Arnaud Chéron, Vincent Lignon
		241	About EU Sustainability and Adequacy Indicators and Possible Added Value of Dynamic Microsimulation	Philippe Liegeois
		MSM platforms, Agent-Based, Micro-CGE & Methods : A-B & Methods		
		Paper n°	Title	Author(s)
	Room II	211	An architecture addressing the problem of dynamic scheduling for large-scale microsimulations	Ross Richardson, Matteo Richiardi
		87	User-friendly Software to Advance Microsimulation: SimYouLate	Eric Sayre, Jacek A. Kopec
		36	Structural Change And Income Distribution: The Case Of Australian Telecommunications	George Verikios, Xiao-guang Zhang
		154	The Event-Pump: An Agent-Based approach to Microsimulation	Peter Stephensen

Spatial Microsimulation, Environment & Agriculture : Environ. & Agriculture		
Paper n°	Title	Author(s)
120	Spatial Modelling of Agricultural Greenhouse Gas Emissions	<i>Eoin Grealis, Cathal O'Donoghue</i>
239	Using a spatial microsimulation model to estimate the potential economic impact on agriculture of possible freshwater pearl mussel protection strategies	<i>Aksana Chyzheuskaya, Cathal O'Donoghue, Stephen O'Neill, Stephen Hynes</i>
169	Modelling the Stocking Rate Decision on Irish Cattle Farms	<i>Michele McCormack, Cathal O'Donoghue, Jason Loughrey</i>
165	The Direct Impact of Risk Management Tools on Farm Income: The Case of Irelands Spring Barley Producers	<i>Jason Loughrey, Thia Hennessy, Fiona Thorne</i>
128	A Hypothetical Model of Agricultural Land Access In Ireland	<i>Cathal Geoghegan, Anne Kinsella, Cathal O'Donoghue</i>

15:00 Main floor **Coffee break**15:30 **Parallel sessions II**

Pensions : Countries [I] & Comp.		
Paper n°	Title	Author(s)
39	Using dynamic microsimulation models to assess the consequences of the AWG projections on pension adequacy: an international exercise	<i>Gijs Dekkers, Raphaël Desmet, Krisztián Tóth</i>
51	Distributional effects of the forthcoming Finnish pension reform - a dynamic microsimulation approach	<i>Heikki Tikanmäki, Janne Salonen, Hannu Sihvonon</i>
73	Dypensi: dynamic pension microsimulation model for Slovenia	<i>Nataša Kump, Alesa Lotric Dolinar, Boris Majcen, Jože Sambt, Martin Spielauer</i>
242	A First Operational Dynamic Microsimulation Model for Luxembourg ("MIDAS_LU")	<i>Philippe Liegeois</i>

MSM platforms, Agent-Based, Micro-CGE & Methods : Others		
Paper n°	Title	Author(s)
129	Le rapport des parties prenantes à l'expertise à l'exemple des systèmes de sécurité sociale au Luxembourg	<i>Carole Blond-Hanten, Thomas Adrien</i>
231	The Leviathan Model	<i>Marie Moriamé, Timoteo Carletti, Guillaume Deffuant, Floriana Gargiulo, Sylvie Huet</i>
139	Who cites Orcutt?	<i>Matthew Toohy</i>
144	Do you have a colon in your title? An analysis of titular colonicity in microsimulation	<i>Matthew Toohy</i>

Behavioural Microsimulation : Incentives & Take-up		
Paper n°	Title	Author(s)
44	Endogenising take-up of social assistance in a microsimulation model: A case study for Germany	<i>Jürgen Wiemers</i>
119	Improving socio-economic outcomes for the active population: distributive and work-incentive effects of making-work-pay policies in Belgium	<i>Dieter Vandelanooote, Gerlinde Verbist</i>
176	The Effects of Income Support Settings on Incentives to W	<i>Guyonne Kalb, Nicolas Herault, Justin van de Ven</i>
238	Incentives and Redistribution of In-Work Policies in Spain	<i>Milagros Paniagua, Luis Ayala</i>
1053	The Policy Evaluation Model: A tax-transfer microsimulation model based on administrative data	<i>Gillian Beer, Brendan Price, Bodie Kaine</i>

Health, disease and care provision : Finance

	Paper n°	Title	Author(s)
Room III	88	The economic costs of chronic conditions/disabilities due to the need for informal care in Australia 2015-2035: projections from a new microsimulation	Michelle Cunich, Deborah Schofield, Rupendra Shrestha, Megan Passey, Simon Kelly, Robert Tanton, Lennert Veerman
	76	Using dynamic microsimulation to explore insurance against health risks for older adults in the United States	Melissa Favreault
	123	Using cumulative retrospective microsimulation to estimate the financial effects of pharmaceutical policy changes in Finland in 2013	Elina Ahola, Leena K Saastamoinen, Katri Aaltonen, Hilikka Ruuska, Jaana E Martikainen

17:15 Round Table

	Title	Experts
Amphi	Boosting dialogue between microsimulation modellers and policy makers at national and international levels	Anna D'Addio (OECD), Tom Dominique (Social Protection Committee, EU-SPC), Michel Englert (Federal Planning Bureau, Belgium), Elsa Fornero (University of Turin, Italy), Isabelle Maquet (EU-Commission), Eric Marlier (LISER, moderator), Adrian Richards (DWP, United Kingdom) and Raymond Wagener (Board member of LISER)

19:00 Main floor Cocktail**Thursday, 3rd September****9:00 Plenary session (Keynote)**

	Title	Keynote(s)
Amphi	Guy Orcutt Memorial Lecture 2015: Reforming welfare systems. Economic and financial education to bridge the gap between knowledgeable theoretical agents and uninformed citizens.	Elsa Fornero (University of Turin, Italy)

10:00 Main floor Coffee break**10:30 Parallel sessions III****Tax-Benefit analysis, Comparisons & Decomposition : Crisis**

	Paper n°	Title	Author(s)
Amphi	173	Decomposing the Drivers of Changes in Inequality during the Great Recession in Ireland	Cathal O'Donoghue, Denisa Maria Sologon, Jason Loughrey
	98	The effectiveness of income-tested benefits in good times and bad: lessons from EU countries	Chrysa Leventi, Olga Rastrigina, Holly Sutherland
	40	Changes in Income Distributions and the Role of Tax-Benefit Policy During the Great Recession: An International Perspective	Karina Doorley, Olivier Bargain, Tim Callan, Claire Keane
	142	Europe through the crisis: decomposing changes in the household income distribution in 2007-2011	Alari Paulus, Iva Tasseva

Dynamic Microsimulation : Demog.			
	Paper n°	Title	Author(s)
Room I	164	PADIS Microsimulation Model and its Application in Perfecting Family Planning Policy	<i>Kuangshi Huang, Zhang Xuying</i>
	97	A synthetic population for Luxembourg and its demographic evolution	<i>Eric Cornelis</i>
	201	CoMicS II: an event oriented microsimulation model to analyse the influence of educational attainment on the fertility rate	<i>Marc Hannappel</i>
	191	Projected Population, Inequality and Social Expenditures. The Case of Flanders	<i>Rembert De Blander</i>

Pensions : Countries [II]			
	Paper n°	Title	Author(s)
Room II	74	The adequacy and distributive effects of the last Italian Pension Reform	<i>Flavia Coda Moscarola, Margherita Borella</i>
	121	Microsimulation of a Bismarckian reform of the pension system: behavioural versus non-behavioural approach	<i>Meritxell Solé, Ció Patxot, Guadalupe Souto</i>
	37	The effect of the introduction of mandatory Category 3 contributions on the poverty rate for the elderly in Japan	<i>Seiichi Inagaki</i>
	130	Projecting public pensions sustainability: a dynamic microsimulation model for demographic and labour-market simulations (Argentina 2014-2040)	<i>Leonardo Eric Calcagno</i>

MSM platforms, Agent-Based, Micro-CGE & Methods : Micro-CGE			
	Paper n°	Title	Author(s)
Room III	89	The End of the Flat Tax Experiment in Slovakia - Evidence from a General Equilibrium Microsimulation Framework	<i>Zuzana Siebertova, Michal Horvath, Matus Senaj, Norbert Svarda</i>
	116	Distributional impact analysis of the 2015 Hungarian national budget	<i>Ilona Cserhati, Tibor Takacs, Tibor Keresztely</i>
	228	Impact of increased public education spending on growth and poverty in Uganda. An integrated micro-macro approach	<i>Luca Tiberti, Véronique Robichaud, Héléne Maisonnave</i>
	199	Growth and Distributive Effects of Public Infrastructure Investment in Cameroon	<i>Belmondo Tanankem Voufo, Samuel Tchioutchoua Lenou, Eric Patrick Feubi Pamen</i>

12:00 Main floor **Lunch**

13:30 **Parallel sessions IV**

MSM platforms, Agent-Based, Micro-CGE & Methods : Platforms			
	Paper n°	Title	Author(s)
Amphi	155	LIAM2 - overview and recently added features	<i>Gaëtan de Menten</i>
	34	JAS-mine: a new Java platform for agent-based and microsimulation modeling	<i>Matteo Richiardi</i>
	188	Dynamic microsimulation using JAS-mine: A comparison with LIAM2	<i>Matteo Richiardi, Ross Richardson</i>
	170	Towards a Publicly-Accessible Microsimulation Model of Taxes and Transfers for U.S. States	<i>Linda Giannarelli</i>

Tax-Benefit analysis, Comparisons & Decomposition : EU-country [I] & Australia		
Paper n°	Title	Author(s)
158	Designing housing benefits: an application with French data	Malka Guillot, Lucile Romanello, Marion Monnet
77	Spanish 2015 PIT reform: the effects of some measures on disposable income and redistribution	Marta Adiego, Maria Navas, Teresa Perez, Milagros Paniagua
162	Top income earners and redistribution through the personal income tax: a microsimulation analysis	Fidel Picos-Sanchez, Jorge Onrubia, Maria del Carmen Rodado
159	Distributional Effect of Fiscal Advantages of the Income Tax	Malka Guillot, Mahdi Ben Jelloul
203	CAPITA, the Australian Commonwealth Government's new tax-transfer microsimulation model	Susie Kluth

Behavioural Microsimulation : Labour Supply [I]		
Paper n°	Title	Author(s)
192	A Microsimulation Approach to Collective Models of Household Labour Supply	Ugo Colombino, Rolf Aaberge, Federico Perali
99	Making the switch from joint to individual taxation in Luxembourg. An analysis of the female labour supply response	Nizamul Islam, Karina Doorley, Lennart Flood
126	Labour Market Participation during decades	Frederik Hansen
171	Inequality Decomposition with Policy and Behavioural Effects: A Comparison Between UK and Ireland in Post-GFC Inequality Patterns	Denisa Maria Sologon, Philippe van Kerm, Jinjing Li, Cathal O'Donoghue

Health, disease and care provision : Diseases		
Paper n°	Title	Author(s)
101	Microsimulation of osteoarthritis within Australia - modelling the impact of surgery	Chris Schilling, Michelle Dowsey, Philip Clarke, Peter Choong
208	The obesity epidemic and risk of hyperglycaemia: using a microsimulation approach to model multi-stage type 2 diabetes	Abbygail Jaccard, Arti Bhimjiyani, Diana Divajeva, Martin Brown, Lise Retat, Andre Knuchel-Takano, Laura Webber
236	Understanding the osteoarthritis burden: spatial microsimulation of osteoarthritis prevalence at the small area level in England	Kate Timmins, Kim Edwards

15:00 Main floor **Coffee break**

15:30 Parallel sessions V

Pensions : Micro-Macro & France		
Paper n°	Title	Author(s)
42	Budgetary and macroeconomic effects from the Norwegian pension reform - A micro-macro assessment	Nils Martin Stoelen, Dennis Fredriksen, Erling Holmøy, Birger Strøm
90	Reducing growth-dependence of the French pension system: options for reforms	Didier Blanchet, Antoine Bozio, Simon Rabaté
92	Building and interpreting macro/micro estimates of accrued-to-date pension liabilities: French reforms as a case study	Didier Blanchet, Sylvie Le Minez, Anthony Marino
230	TRAJECTOIRE, a microsimulation model to evaluate pension reforms	Félix Housset, Cindy DUC, Laurent Lequien, Corentin Plouhinec

Tax-Benefit analysis, Comparisons & Decomposition : Non-EU country			
	Paper n°	Title	Author(s)
Room I	45	EICT Microsimulations for New Public Policy Initiatives for Mexico to tackle poverty	Araceli Ortega-Diaz
	204	Role of labour market and social security systems in preventing poverty: modeling for Russia	Alexey Rudberg, Svetlana Biryukova
	207	Sample data calibration and actualization for socio-economic microsimulations.	Sergey Ter-Akopov, Zharomskiy Vladislav
	1134	Who bears the burden of taxation and who receives the benefits of public spending in Russia: a microsimulation analysis using RUSMOD	Daria Popova
	100	Modelling the Australian Federal Budget 2014-15	Ben Phillips

Behavioural Microsimulation : Child care & Housing			
	Paper n°	Title	Author(s)
Room II	224	Discrete modeling of labor supply and childcare choice with heterogeneous set of choice across mothers	Nicholas-James Clavet
	47	Kindergarten for Free?! Empirical Evidence on the Utilization of Income Tax Deductions for Child Care Costs	Sven Stöwhase, Lena Calahorrano
	122	Projections of social needs at local level: contribution of microsimulation modelling and integration of the "housing" variable.	Noémie De Andrade
	223	Kinship patterns and co-residence in rural areas of Mali and Senegal: bridging the gap between longitudinal data and microsimulations	Bruno Masquelier, Dasré Aurélien, Gilles Pison, Sophie Pennec

Health, disease and care provision : Data & Methods			
	Paper n°	Title	Author(s)
Room III	96	Spatial microsimulation for health need forecasts (for Belgium)	Morgane Dumont
	215	Effects of Education on Life Expectancy: An analysis using the COMPAS microsimulation model.	Yann Decarie, David Boisclair, Aurélie Côté-Sergent, Pierre-Carl Michaud
	102	Opportunities for large, linked population data to improve microsimulation models	Douglas Manuel
	78	Quantifying the effect of parameter uncertainty in the output of a microsimulation model of cancer: the case of overdiagnosis.	Tiago Manuel de Carvalho Delgado Marques

- 17:00** Main floor **Coffee break**
- 17:30** Amphi **General Assembly of the International Microsimulation Association** (Non-Profit Organization)
- 19:15** Outside **Gala dinner at 'Orangerie', Mondorf-les-Bains**

Friday, 4th September

9:00	Plenary session (Keynote)		
	Title	Keynote(s)	
Amphi	Cross-fertilization between natural experiments and behavioral microsimulation, with an application to the effect of social policies on employment.	Olivier Bargain (Aix-Marseille School of Economics, France)	

10:00 Main floor **Coffee break**

10:30 Parallel sessions VI

Behavioural Microsimulation : Labour Supply [II]			
	Paper n°	Title	Author(s)
Amphi	187	How much inequality can we explain? The role of heterogeneity in preferences and in opportunities	<i>André Decoster, Capéau Bart</i>
	38	Integrating a random utility random opportunity labour supply model in MIDAS Belgium	<i>Gijs Dekkers, André Decoster, Bart Capéau</i>
	94	The joint decision of labour supply and childcare in Italy under costs and availability constraints	<i>Francesco Figari, Edlira Narazani</i>
	52	Labor Market and Fiscal Effects of the Demographic Transition in 27 EU countries	<i>Eric Sommer, Mathias Dolls, Karina Doorley, Hilmar Schneider</i>

Tax-Benefit analysis, Comparisons & Decomposition : Methods			
	Paper n°	Title	Author(s)
Room I	69	Using the HFCS for assessing income and wealth taxes: Prospects, limitations and suggestions for policy simulations	<i>Sarah Kuypers, Francesco Figari, Gerlinde Verbist</i>
	81	The net-gross income gap in the Belgian SILC dataset: A close investigation by means of EUROMOD	<i>Dieter Vandelannoote, Gerlinde Verbist, Toon Vanheukelom, André Decoster</i>
	152	Asking highly flexible forms of disaggregated income and single total question: a case study from PHF on measuring income in general purpose household	<i>Junyi Zhu</i>
	235	Progressivity-Improving Vat Reforms	<i>Simone Tedeschi, Francesca Gastaldi, Paolo Liberati, Elena Pisano</i>
	93	Microreg: a traditional tax-benefit microsimulation model extended to indirect taxes and in-kind transfers	<i>Letizia Ravagli, Maitino Maria Luisa, Nicola Sciclone</i>

Dynamic Microsimulation : Labor Market & Income			
	Paper n°	Title	Author(s)
Room II	189	Female labour force projections using microsimulation for six EU countries	<i>Matteo Richiardi, Ambra Poggi, Ross Richardson</i>
	91	A dynamic microsimulation model for the region of Tuscany: a description and an application to predict labour market indicators	<i>Letizia Ravagli, Maitino Maria Luisa, Nicola Sciclone</i>
	200	Labor income inequality and educational attainment in Uruguay. A cohort analysis	<i>Mauricio De Rosa, Andrea Vigorito, Rodrigo Arim</i>
	143	Long-term effects of population ageing and skill upgrading on the income distribution: Europe in 2030	<i>Alari Paulus, Karina Doorley, Mathias Dolls</i>

Spatial Microsimulation, Environment & Agriculture : Energy, Housing & Transport			
	Paper n°	Title	Author(s)
Room III	125	The Effect of Housing on the Spatial Distribution of Welfare	<i>Paul Kilgarriff, Cathal O'Donoghue, Martin Charlton, Ronan Foley</i>
	57	Developing and validating spatial microsimulation of localised temporal electricity demand response scenarios	<i>Ben Anderson</i>
	133	Is population structure harming further energy efficiency improvements?	<i>Maria Grazia Pazienza, Rossella Bardazzi, Francesca Gastaldi</i>
	150	Effects of New Transport Infrastructure Projects: Simulations in an Integrated Land Use and Transport Simulation Model for Switzerland	<i>Balz Reto Bodenmann, Pascal Bürki</i>
	243	Retail Gravity Modelling in Australian Capital Cities	<i>Marcia Keegan</i>

12:00 Main floor Lunch

13:30 Parallel sessions VII

Health, disease and care provision : Status		
Paper n°	Title	Author(s)
135	Drivers of productive life years lost to chronic health conditions in 45-64 years old Australians: Results from Health&WealthMOD2030	Rupendra Shrestha, Deborah Schofield, Michelle Cunich, Robert Tanton, Simon Kelly, Lennert Veerman, Megan Passey
229	Conceptual and Empirical Applications of Microsimulation Models to the Social Determinants of Health	Daniel Kim
237	Modelling entry into aged care in Australia	Marijan Jukic, Richard Cumpston
140	Estimation of non-stationary transition matrices for microsimulation using semi-parametric technique: An example of health transition modelling	Jinjing Li

Spatial Microsimulation, Environment & Agriculture : Data & Methods		
Paper n°	Title	Author(s)
118	Constructing a Synthetic City for Estimating Spatially Disaggregated Heat Demand	Marcelo Esteban Munoz Hidalgo, Hannes Seler, Irene Peters
54	Estimating confidence intervals in a spatial microsimulation model using Survey replicate weights	Robert Tanton
103	A comparison of the GREGWT and IPF methods for the re-weighting of surveys	Marcelo Esteban Munoz Hidalgo, Robert Tanton, Yogi Vidattama
153	Calculating Confidence Intervals for a Spatial Microsimulation Model Using a Z-statistic Error	Azizur Rahman, Ann Harding, Robert Tanton

Dynamic Microsimulation : Care & Welfare		
Paper n°	Title	Author(s)
197	Projecting siblings network using Statistics Canada LifePaths microsimulation model	Yann Decarie, Alain Belanger, Jacques Legare
145	A dynamic extension of the 'status-quo based' welfare analysis	Tanja Kirn
58	Two Dynamic Simulation Models of Social Care Costs in the UK	Graham Stark, Howard Reed, Jocelyn Paine, James Robards

Tax-Benefit analysis, Comparisons & Decomposition : EU-country [II]		
Paper n°	Title	Author(s)
127	Sensitivity of government budget to changes in subsistence level: a micro-simulation approach using the example of Germany	Maximilian Sommer
108	Income distribution and tax-benefit system. Counterfactual simulations with Finnish data	Pertti Honkanen, Jussi Tervola
193	A microsimulation analysis of the Austrian tax reform 2016	Paul Eckerstorfer, Friedrich Sindermann
132	The SISU model in the prediction of personal taxation in Finland	Antti Liski, Miska Simanainen, Anne Perälähti, Tapio Räsänen

15:00 Main floor Coffee break & Conference close

Scientific Committee

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