DEALING WITH DYNAMIC MICROSIMULATIONS: DATA, METHODOLOGY AND TOOLS (INCLUDING LIAM2)

MiDaL PROJECT1: FINAL CONFERENCE2
Belval/Esch-sur-Alzette (Luxembourg)
November 2011, 28th – 30th

SUMMARY

The Conference “Dealing with Dynamic Microsimulations: Data, Methodology and Tools (including LIAM2)” is aiming to confront dynamic microsimulation developers’ needs and difficulties, on one side, and possible answers and tracks for future developments that new tools developed can offer, on the other side. Furthermore, it wants to give participants an insight in recent research developments in microsimulation in European countries.

The conference is partially building on the results of a two-year PROGRESS Project, MiDaL, undertaken by the General Inspectorate for Social Security (IGSS, Luxembourg), the CEPS/INSTEAD (Luxembourg) and the Federal Planning Bureau (Belgium), together with Cathal O’Donoghue (Ireland). The Project was specifically targeting both the development of a general purpose dynamic microsimulation modelling toolbox (“LIAM2”3) and the improvement of administrative datasets in relation to the need for pension analysis in Luxembourg.

The project is now in its final stage, and main objective of the present conference is to disseminate its results with the scientific community. A part of the conference will thus be devoted to introducing researchers to the functionalities of LIAM2, and to present recent improvements of Luxembourg microeconomic administrative datasets to be used for pension analysis and microsimulation.

Finally, the conference wants to give participants an insight in recent research developments in microsimulation in European countries.

1 The MiDaL project (December 2009 - November 2011), “Towards the development of a dynamic Microsimulation toolbox « LIAM-II » and the complementary implementation of administrative Data needed for dynamic microsimulation of pensions in Luxembourg” is supported by the European Community Programme for Employment and Social Solidarity - PROGRESS (2007-2013), under the Grant VS/2009/0569. At the national level, it is supported by the General Inspectorate for Social Security (IGSS).

2 The MiDaL final conference is complementarily supported by the Luxembourg National Research Fund under the Grant FNR/11/AM3/44 and the IGSS.

Organizers: Gijs Dekkers (Federal Planning Bureau, Brussels, Belgium) and Philippe Liégeois (CEPS/INSTEAD, Esch-sur-Alzette, Luxembourg)

Scientific Committee: Gijs Dekkers (Federal Planning Bureau, Brussels, Belgium), Philippe Liégeois (CEPS/INSTEAD, Esch-sur-Alzette, Luxembourg), Cathal O’Donoghue (TEAGASC, Galway, Ireland) and Raymond Wagener (IGSS, Luxembourg)

Place: CEPS/INSTEAD

Date: 28th - 30th of November 2011

Audience: Maximum 30 participants (due to limited places available in the computer room for the LIAM2 workshop)

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**Program**

**Monday 28th of November (pm only)**

14:00–14:30: Welcome

14:30–15:15: Combining administrative datasets for recomposing past career profiles
   
   Béatrice Lepêcheur (IGSS, Luxembourg)

15:15–16:00: Expanding the administrative IGSS Data-Warehouse with education attainments
   
   Nizamul Islam (CEPS/INSTEAD, Luxembourg)

16:00–16:30: Coffee break

16:30–17:30: LIAM2, a user-friendly platform for the development of dynamic microsimulation models
   
   Gaëtan de Menten (Federal Planning Bureau, Belgium), Gijs Dekkers (Federal Planning Bureau, Brussels, Belgium)

**Tuesday 29th of November**

9:00–10:00: Keynote lecture – “Reflections on Dynamic Microsimulation Modelling: Where we are. Where to next?”
   
   Cathal O’Donoghue (President of the International Microsimulation Association)

10:00–10:45: The dynamic microsimulation model MOSART - An overview
   
   Nils Stolen (Statistics Norway)
10:45–11:00: Coffee break

11:00–11:45: <To be announced>

11:45–12:30: Using Dynamic Microsimulation Modelling for Short Term Policy Modelling in a Volatile Economy
   Cathal O’Donoghue (TEAGASC, Ireland)

12:30–14:00: Lunch (in CEPS/INSTEAD)

14:00–14:45: A new dynamic microsimulation model for Belgium (MIDAS)
   Gijs Dekkers and Raphaël Desmet (Federal Planning Bureau, Belgium)

14:45–18:00: “Developing your own microsimulation model with LIAM2: a workshop”
   Gaëtan de Menten, Geert Bryon, Gijs Dekkers, Raphaël Desmet (Federal Planning Bureau, Belgium)

   ... including: a Coffee break

19:00–22:00: Dinner

Wednesday 30th of November (am only)

9:00–9:30: Imputing individual permanent heterogeneity in dynamic microsimulation models. A Monte Carlo analysis
   Matteo Richiardi (University Torino, Italy)

9:30–10:00: SustainCity: the demographic module for simulating small areas population using the Modgen language.
   Sophie Pennec (INED, France)

10:00–10:30: A micro simulation model for the Spanish retirement pensions system
   Cio Paxtot (Instituto de Estudios Fiscales, Spain)

10:30–10:45: Coffee break

10:45–11:00: Towards a pension model for Slovenia: an overview
   Boris Majcen (IER, Slovenia)

11:00–11:45: LIAM2: questions and answers.

11:45–12:00: Conclusions