

Call 44

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Online Summer School - First steps in the Elaboration of a Dynamic Microsimulation Model: From Research Questions to Outcomes Programme

LISER, Luxembourg (online)
5 July - 9 July 2021

Day 1 – Monday July 5th, 2021

13:30 – 15:30

Session 1 : Welcome, Technicalities and General Introduction

- **Dr Philippe Liégeois** and **Axelle Depireux**, LISER, Luxembourg
- **Prof. Robert Tanton**, President of the International Microsimulation Association (IMA), University of Canberra, Australia
- Past and Future Perspectives of Microsimulation
Prof. Cathal O'Donoghue, Former President of the IMA, National University of Ireland, Galway
- Developing a Microsimulation Model: Overview
Dr Philippe Liégeois, Vice-president of the IMA, LISER, Luxembourg

15:30 – 16:00

Break

16:00 – 18:00

Session 2 : Introducing Development and Simulation Platforms

- **Modgen**
Steve Gribble, University of Ottawa
- **LIAM2**
Dr Philippe Liégeois, LISER, Luxembourg
- **Jasmine and Introduction to the IJM**
Prof. Matteo Richiardi, Chief Editor of the International Journal of Microsimulation, University of Essex, United Kingdom



Day 2 – Tuesday July 6th, 2021

- 9:30 – 11:00 | **Session 3 : Introducing Participants and Installing LIAM2**
Philippe Liégeois
- **Lab Session 2.1** (*Download and Install LIAM2*)
Philippe Liégeois
Dr Mahdi Ben Jelloul, Paris School of Economics (IPP-PSE), France
Dr Vincent Vergnat, LISER and University of Luxembourg, Luxembourg
- 11:00 – 11:30 | Break
- 11:30 – 13:00 | **Session 4 : LIAM2 – Composition of a Model in LIAM2 - Basics**
Philippe Liégeois
- **Lab Session 2.2**
(*Basements in LIAM2, Composing a Model, Have a look - including through ViTables - and Run it*)
Philippe Liégeois
Mahdi Ben Jelloul
Vincent Vergnat
- 13:00 – 14:00 | Break
- 14:00 – 15:30 | **Session 5 : Processes & Functions, Expressions, Data, Macros, Reporting & Debugging**
Philippe Liégeois
- **Lab Session 2.3** (*Processes and Functions, Globals and Macros*)
Philippe Liégeois
Mahdi Ben Jelloul
Vincent Vergnat
- 15:30 – 16:00 | Break
- 16:00 – 18:00 | **Session 6 : Init, CSV, Creating, Deleting, and Linking Objects** (if time left)
Philippe Liégeois
- **Lab Sessions 2.4 and 2.5**
(*Init block, CSV files, Creating or Deleting Objects and Links*)
Philippe Liégeois
Mahdi Ben Jelloul
Vincent Vergnat

Day 3 – Wednesday July 7th, 2021

9:30 – 11:00	<p>Session 7: What's and Why an Hypothetical (Family) Model ? Typical cases considered in MIGAPE Creating an Input in format “HDF5” for a model Philippe Liégeois</p> <ul style="list-style-type: none">▪ Lab Sessions 3.1 and 3.2 <i>(Preparing the file system and Creating Input for the Hypothetical Family Model)</i> Philippe Liégeois Vincent Vergnat
11:00 – 11:30	Break
11:30 – 13:00	<p>Session 8: 1st Pilar Pensions in LU Illustrating the Lifetime Standard Career Income Building up A Tool for Examining Lifetime Outcomes - Biographies Philippe Liégeois</p> <ul style="list-style-type: none">▪ Lab Sessions 3.3 to 3.5 <i>(Looking at Structure and Contents, Run the Model and inspect Cases, and Examine Pension Rights and Biographies)</i> Philippe Liégeois Vincent Vergnat
13:00 – 14:00	Break
14:00 – 15:30	<p>Session 9: The Impact of the Determinants of Pensions in LU & a Decomposition of effects Philippe Liégeois</p> <ul style="list-style-type: none">▪ Lab Session 3.6 <i>(Impact Analysis and Decomposition of Effects)</i> Philippe Liégeois Vincent Vergnat
15:30 – 16:00	Break
16:00 – 18:00	<p>Session 10: Going on with Session 5 & Implementing a change in Pension Policy (if time left) Philippe Liégeois</p> <ul style="list-style-type: none">▪ Lab Session 3.7 <i>(Implementing a change in Pension Policy)</i> Philippe Liégeois Vincent Vergnat

Day 4 – Thursday July 8th, 2021 (may be updated)

- 9:30 – 11:00 | **Session 11 : (Dynamic) Microsimulation in Europe**
Dr **Gijs Dekkers**, past president of the IMA, Federal Planning Bureau, Belgium
- 11:00 – 11:30 | Break
- 11:30 – 13:00 | **Session 12 : Introducing Uncertainty**
Gijs Dekkers
- **Lab Session 4.1** (*Random Functions and Stochastic Simulations*)
Gijs Dekkers
Mahdi Ben Jelloul
Philippe Liégeois
- 13:00 – 14:00 | Break
- 14:00 – 15:30 | **Session 13 : Marriage Market and Matching Function**
Gijs Dekkers
- 15:30 – 16:00 | Break
- 16:00 – 18:00 | **Session 14 : Advanced Topics**
Gijs Dekkers
- **Lab Session 4.2** (*Demonstration of Static Simulation, Loops and other advanced topics*)
Gijs Dekkers
Mahdi Ben Jelloul
Philippe Liégeois

Day 5 – Friday July 9th, 2021

- 9:30 – 11:00 | **Session 15 : A Selection of Participants' Works and Plans (I)**
- **Participants**
Instructors
Gijs Dekkers, past president of the IMA, Federal Planning Bureau, Belgium
Philippe Liégeois, Vice-president of the IMA, LISER, Luxembourg
Guet Ass. Prof. Amilcar Moreira, Lisbon School of Economics & Management,
University of Lisbon, Portugal
- 11:00 – 11:30 | Break
- 11:30 – 13:00 | **Session 16 : A Selection of Participants' Works and Plans (II) and Conclusions**
- **Participants**
Instructors
Gijs Dekkers
Philippe Liégeois
Amilcar Moreira
- 13:00 | End of the Workshop