

Workshop program

Modelling Policy and Impact Analysis

April 30th – May 3rd 2014

OBJECTIVES:

To develop the expertise of economists interested in learning how to build a multisector macro model able to analyze the macroeconomic impact of policies such as fiscal reforms or shocks (internal or external) on the national economy.

MODALITIES:

The four- day workshop will consist in 2 days “theoretical” and two days “applied”. The static and the dynamic version of the national PEP models (PEP 1-1 and PEP 1-t) will be presented. The conceptual framework, the complete set of equations as well as their writing into GAMS will be explained. Then, one day will be devoted to understanding how to analyze the simulations results using PEP1-1. The last day, 2 PEP resource persons will present some of their work.

Outcomes:

At the end of this workshop, participants will:

- Understand the different hypothesis used in PEP 1-1 and PEP 1-t;
- Understand the data requirements and statistical needs of implementing such models;
- Have a clear idea of the different steps to follow when using such models.
- Understand how to interpret result simulations.

DETAILED PROGRAM

WEDNESDAY APRIL 30TH

9h-12h30

Presentation of PEP 1-1:

In this session we present the different blocs of equations (production, income and savings, demand, trade).

Instructor: Bernard Decaluwe

12h30 -14h *Lunch time*

14h -17h

Presentation of PEP 1-1 (end):

After reviewing the different blocs of equations, we present briefly the GAMS code.

Instructor: H el ene Maisonnave

THURSDAY MAY 1ST

9h-12h30

Interpretation of simulation using PEP 1-1:

In this session, we present the Social Accounting Matrix (SAM) and a study case to interpret simulations.

Instructor: Helene Maisonnave/ Bernard Decaluw e

12h 30-14h *Lunch time*

14h -17h

Interpretation of simulation using PEP 1-1:

During the first half of the afternoon, participants will be invited to prepare interpretations of simulation, working in groups. During the second half, the instructor will lead the discussion.

Instructor: Bernard Decaluw e

FRIDAY MAY 2ND

9h-12h30

Presentation of PEP 1-t

In this session, we will review the dynamic bloc of equations used in PEP 1-t. Then, we will present the calibration process used in the GAMS code, as well as the 2 different ways of writing a dynamic CGE model into GAMS.

Instructor: Bernard Decaluwe

12h30 -14h Lunch time

14h-17h

Presentation of PEP 1-t

We will present how to introduce a reference scenario different than a regular path.

Instructor: Hélène Maisonnave

SATURDAY MAY 3RD:

9h-12h30

Presentation of an application using PEP 1-t

Instructor: Erwin Corong

12h30 -14h Lunch time

14h-17h

Presentation of ISIM-MAMS

Instructor: Martin Cicowicz