EcoMod School of Modeling and Data Science

Energy and Environmental CGE Modeling with GAMS

COURSE OBJECTIVES

The course will introduce all the tools for constructing and implementing large-scale, dynamic, multinational and multisectoral general equilibrium models for environmental policy analysis. By the end of the course the participants will have acquired detailed knowledge of and extensive hands-on experience in:

- The structure of general equilibrium models for environmental policy analysis,
- developing multinational CGE models,
- introducing dynamics,
- building the database for such models,
- building social accounting matrices,
- modeling energy markets,
- modeling complex nesting structures,
- introducing greenhouse gases,
- modeling tradable pollution permits,
- modeling technical change,
- modeling backstop technologies,
- implementing the model on the computer using GAMS,
- formulating scenarios and running policy simulations,
- reporting and interpreting the results,
- linking GAMS and Excel for reading and reporting data.

AUDIENCE

The course will focus on multinational and multisectoral Modeling and focus specifically on environmental issues. This course is only accessible to those who have some experience in general equilibrium modeling and to the alumni of the EcoMod Modeling School or on-line courses.

FEES

The fee for the course is US$4700.00. This includes course materials, lectures, computer labs, morning and afternoon coffee breaks, receptions. Academic fee is US$2700.00. A 30% discount will be applied for early registrations . Institutional group rates are available for 3 or more persons attending during the same course period.

REGISTRATION

For registration and further information, please contact Patricia MacNeil (office@EcoMod.net) or visit www.ecomod.net

THE ECOMOD DIFFERENCE

EcoMod School offers the world's leading professional training programs in:

- general equilibrium, macroeconometric and financial modeling.
- Public programs are offered three times a year - in Asia, Europe and America.
- Online courses accept registrations at any time
- Custom programs are individually tailored to suit specific institutional needs.

ACTIVE LEARNING MODEL

The EcoMod learning model is an active process. Intensive hands-on sessions offer a step-by-step approach to learning modeling and software. Participants benefit from individual guidance from expert instructors.

DECADES OF EXPERIENCE

EcoMod School is at the forefront of the ever evolving practice of policy modeling. All our faculty have extensive practical experience as leaders of modeling departments in major institutions, software developers, prominent academics, advisors to governments and business. The Head of the Modeling Division of the IMF, and the Head of the Econometric Modeling Unit of the European Commission are members of our faculty.

PROFESSIONAL NETWORK

EcoMod School has the largest alumni network of modelers in the world with members from more than 1400 institutions in 160 countries. Participants from international and national institutions, central banks, government agencies, universities, companies, and individual economists have benefitted from our intensive hands-on courses.

ECOMOD School