



UNIVERSIDADE DE COIMBRA

ENERGIA PARA
A SUSTENTABILIDADE
ENERGY FOR
SUSTAINABILITY



Dr. Stelios Rozakis

Associate Professor in the department of Agricultural Economics and Rural Development, Agricultural University of Athens, Greece, teaching Operational Research in Agriculture and Energy. He has worked in research in INRA at Grignon, France from 1997 to 2004 in the energy crop and bio-fuel production economics field. His research interests focus on decision theory, mathematical programming as well as multi-criteria analysis applied to agriculture, energy and the environment. Recent publications of his work appear in peer-review journals such as Agricultural Systems, Agricultural Economics Review, Biomass & Bioenergy, Energy Policy, Int J Life Cycle Assessment, Int J Multicriteria Decision Making, J Operational Research Society, J Farm Management.

Organization

Prof. Fausto Freire

DEM-FCTUC Pólo II (fausto.freire@dem.uc.pt)

ADAI - Center for Industrial Ecology

<http://www2.dem.uc.pt/CenterIndustrialEcology/>

Energy for Sustainability (Efs) initiative

www.uc.pt/efs

11th September 2013

Short course on

“LCA and micro-economic modeling of agro-energy”

- Introduction to the concept of coupling LCA to activity analysis
- Understanding of life cycle assessment through optimization models
- Hands on experience in relevant models in GAMS

Morning session (9.30 – 12.30)

Mathematical programming (MP) of agricultural production (farm level)
Land use change through MP models

Afternoon session (14.00 - 17.00)

Sector modeling for agro-energy chains (bottom up models)
Life cycle assessment of agro-energy products

Background requirements:

Basic knowledge on linear programming

Practical requirements:

Laptop

Inscription fee:

PhD student: 50 €

Academia: 80€

Professional: 100€

Deadline for registration - 4th September

(Limited number of places)

For further information and registration please contact

Carla Caldeira (carla.caldeira@dem.uc.pt)