



PROGRAMUL DE COOPERARE ELVEȚIANO-ROMÂN
SWISS-ROMANIAN COOPERATION PROGRAMME

Design of a Sustainable Energy Model by Inclusion of Behavioural and Social Parameters

Starting Date 01.10.2012

Duration 36 Months

Discipline: Socio-economics. Switzerland contribution to the EU enlargement by supporting efforts to reduce economic and social disparities.

Main Goals

- Creating a MARKAL/TIMES-Romania country model with all standard features, plus a recent add-on in the form of Social MARKAL extensions to assess behavioural parameters of energy consumption.

Activities

- Building the Reference Energy System (RES) for Romania and modelling the corresponding energy system using VEDA, GAMS and CPLEX;
- Designing sociological surveys about consumption of lighting in households; questionnaire has been accomplished; collecting survey data (450 subjects);
- TIMES / VEDA training course in Bucharest (2013);
- Working sessions in Geneva (2014);
- Designing a sociological survey about preferences on light bulbs; the questionnaire has been administered; survey data collected (120 subjects);



Expected results

- MARKAL/TIMES-Romania country model with all standard features and behavioural parameters of energy consumptions;
- Papers published in peer-review journals;
- Communications presented at international recognised conferences.

Swiss Coordinator

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