

GBEP Workshop
**“Introduction to AGLINK-COSIMO model for the measurement of
Indicator 10”**

FAO Headquarters, Ethiopia Room C-285/289

Rome, 10-11 November 2014

PRELIMINARY AGENDA

The Global Bioenergy Partnership (GBEP) has developed a set of 24 relevant, practical, science-based, voluntary sustainability indicators that address all forms of bioenergy. Indicator 10 deals with the effects of bioenergy use and domestic production on the price and supply of a national food basket. Step 2, tier III of this indicator entails a “Quantitative assessment” using approaches such as Partial Equilibrium (PE) modelling.

The AGLINK-COSIMO modelling system is one of the most comprehensive partial equilibrium models for global agriculture. The model is one of the tools used in the generation of baseline projections underlying the OECD-FAO Agricultural Outlook. For many countries agricultural policies are specifically modelled within AGLINK-COSIMO. This makes the model a powerful tool for forward looking analysis of domestic and trade policies, comparing scenarios of alternative policy settings against the benchmark of the baseline projections. AGLINK-COSIMO may also be used for ex-post assessments of the effects of bioenergy use and domestic production on agricultural markets, as was done for instance in the context of the pilot-testing of the GBEP indicators in Colombia and Indonesia.

This workshop aims to introduce participants to the OECD-FAO outlook process, the underlying partial equilibrium modelling structures, databases and analytical tools. A special focus will be on the interactions between bioenergy and agriculture and participants will be able to interact with the scenarios and perform simulations that most closely reflect their interests and concerns in the development of the bioenergy and agricultural sectors. In addition, the implementation of AGLINK-COSIMO within the pilot-testing of the GBEP sustainability indicators for bioenergy in Colombia and Indonesia will be described, and the possible future applications of this modelling system in the context of the GBEP indicators and beyond will be discussed.

10 November 2014, Monday

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| 09.00 – 09.30 | Participant’s registration |
| 09.30 – 09.40 | Opening and Welcome <i>Maria Michela Morese, GBEP Secretariat/FAO</i> |
| 09.40 – 10.00 | Session I - Introduction <ul style="list-style-type: none">• GBEP indicator 10: Price and supply of a national food basket <i>Andrea Rossi, GBEP Secretariat/FAO</i> |
| 10.00 – 10.30 | Coffee break |

- 10.30 – 13.00** **Session I - Introduction (cont'd)**
- General introduction to the OECD-FAO medium-term outlook methodology
Holger Matthey, FAO
 - Highlights of the 2014 Agricultural Outlook
Holger Matthey, FAO
- 13.00 – 14.30** **Lunch break**
- 14.30 – 15.00** **Session I - Introduction (cont'd)**
- General introduction to the outlook process and model
Holger Matthey, FAO
- 15.00 – 17.00** **Open discussion and sharing of ideas**
Moderator: Holger Matthey, FAO
- 17.00 – 17.30** **Wrap-up and Closure**

11 November 2014, Tuesday

- 09.00 – 10.30** **Session II - Application**
- Overview of Country Module and Global Projection Model
Holger Matthey, FAO
 - Applications and exercises using country and global models
Holger Matthey, FAO
- 10.30 – 11.00** **Coffee break**
- 11.00 – 13.00** **Session II – Application (cont'd)**
- The implementation of AGLINK-COSIMO within the pilot-testing of the GBEP indicators in Indonesia
Marco Colangeli, GBEP Secretariat/FAO
- Questionnaire for participants**
Participants will be asked to fill out a questionnaire in order to gather their feedback on the workshop and on the relevance and applicability of the AGLINK-COSIMO model in their country.
- 13.00 – 14.30** **Lunch break**
- 14.30 – 17.00** **Session III – Open discussion: Towards future applications**
- Future applications and challenges of AGLINK-COSIMO in the context of the GBEP indicators and beyond.
Moderators: Marco Colangeli, Holger Matthey, Andrea Rossi
- 17.00 – 17.30** **Conclusions**