



Task 40: Sustainable
International Bioenergy trade



A joint workshop

International trade of bioenergy commodities: Experiences with certification and setting up sustainable supply chains

Thursday, October 21st 2010

GSE, Via Maresciallo Pilsudski 92, Rome, Italy

Workshop rationale and aim

Europe's demand for bioenergy is growing, and it is likely that increasingly, this demand for solid and liquid biomass commodities will be covered by international trade – both intra-European trade and imported from the rest of the globe. In the past years, sustainability criteria for bioenergy commodities have been developed by numerous organizations, but binding legislation on sustainable production of biomass for energy did barely exist, and various market parties came up with voluntary standards. With the publication of mandatory sustainability criteria *for liquid transport fuels* in the renewable energies directive (RED) by the European Commission (EC), this situation has changed recently. Also in the USA, the Renewable Fuel Standard (RFS) -included in the Energy Independence and Security Act (EISA) – recently mandated minimum GHG reductions from renewable fuels, discourages use of food and feed crops as feedstock, permits use of cultivated land and discourages (indirect) land-use changes. On the other hand, for *solid* biomass and biogas for heat and electricity, a recent report by the EC concluded that binding criteria for solid biomass are not necessary. Given these developments, it is likely that – at least for the EU and the USA – sustainability criteria will have a potentially much larger impact on trade of liquid biofuels compared to the trade of solid biomass.

While the development of sustainability criteria and certification systems has been mainly a theoretical exercise in the past year, they are currently put into practice, and thus directly affect industry, putting up new challenges which need to be tackled quickly and adequately by industry, policy makers and academia alike. The aims of this workshop are:

- To provide an overview of experiences and regarding sustainability certification, including the current status of legislation in the EU and elsewhere.
- To show concrete case studies of ongoing sustainable international supply chains – both for solid and liquid biomass.
- To identify and discuss both opportunities to develop sustainable international bioenergy supply chains and identify (policy) barriers to be overcome.

The morning session will mainly focus on ongoing development of sustainability certification systems of solid and liquid bioenergy commodities and effects on international trade. In the afternoon session, we aim to highlight six or seven concrete case studies in which sustainable international supply chains have been set up. The presenters will be specifically asked to discuss the following issues in their presentations:

- Which sustainability criteria are included in the production and trade chain, and how are they monitored?
- Which problems are / were encountered whilst setting up the supply chain?
- (how) do the case studies comply with the legislation (both current and under development)?

The workshop will be concluded by a roundtable with scientists, market actors and policy makers. The central question will be how lessons can be drawn from the experiences gained in the case studies for the implementation of sustainability certification schemes.

This workshop targets representatives from industry, policy makers, NGOs and academia. **The event is free of charge.**

Background of IEA Bioenergy Task 40 and EUBIONET III

EUBIONET III is an Intelligent Energy Europe project financed by the European Commission. The project is carried out by partners from almost all of the EU-27 countries. The main target groups of EUBIONET III are biomass fuel traders and users, fuel producers, especially pellet producers and farmers, and fuel suppliers of different scales in all EU member states, key associations in the fields of bioenergy, district heat and CHP, agriculture and forest industry, policy makers, statistics and standardisation institutes (national and international e.g. EUROSTAT, IEA), consulting companies and certification bodies. The EUBIONET III project aims amongst others at boosting international biomass fuel trade by analysing price formation mechanisms and by proposing new customs statistics codes for biomass fuels. For more information, see www.eubionet.net

Task 40 under the IEA Bioenergy Agreement entitled: 'Sustainable International Bioenergy trade; securing supply and demand', was initiated in 2004 and currently has thirteen country members and the European Commission. Organisations in Task 40 include government agencies, industries, academia and consultancies. A key element of the work program is to monitor and analyze experiences with the rapidly growing international bioenergy trade in solids and liquid biofuels while simultaneously evaluate opportunities and barriers for the development of a sound international market. Task 40 typically organises 2-3 workshops per year. For more information see www.bioenergytrade.org

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DRAFT Programme

Morning session: Ongoing development of sustainability certification systems of solid and liquid bioenergy commodities in Italy, Europe and the world

Chair: André Faaij

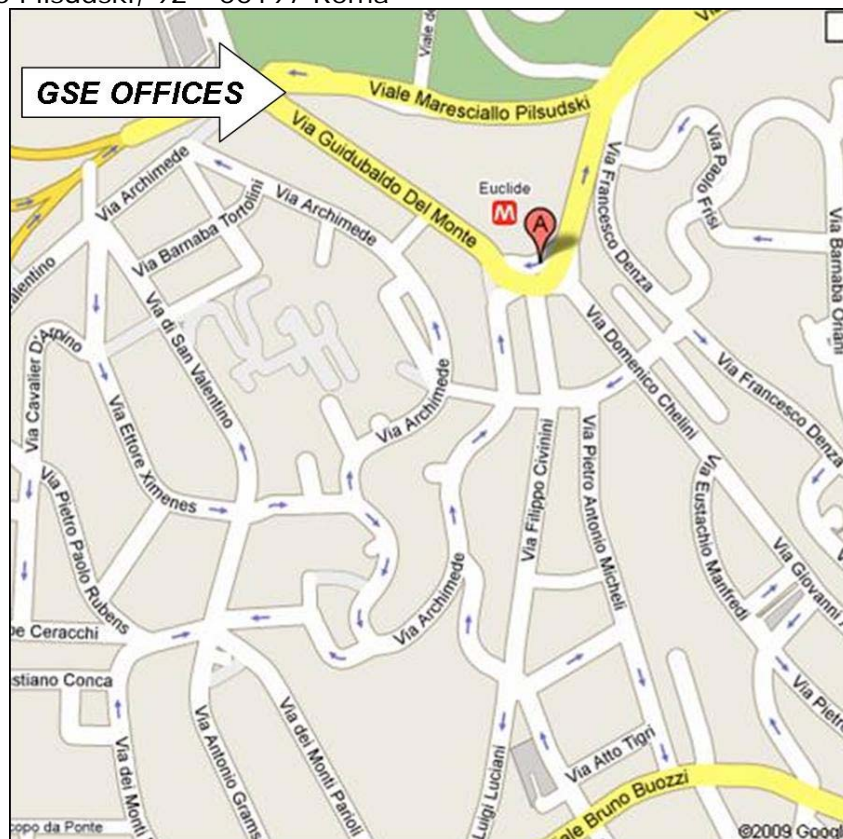
- 08:30 Registration and Coffee
- 08:45 (Short) Word of welcome by the hosts (GSE), Prof. André Faaij (Task 40) and Leonardo Nibbi (EUBIONETIII)
- 09:00-09:15 The National Renewable Energy Action Plan and the role of Sustainable Biomass to achieve the Italian RE targets
Luca Benedetti (GSE)
- 09:15-09:30 The importance of bioenergy trade to meet Italian RE targets, National forecasts of biomass/bioliquid imports.
Maurizio Cocchi (ETA Florence)
- 9:30-09:45 Application of sustainability criteria for Italy according to the RED – the development of a sustainability scheme for Italy
Leonardo Nibbi (UNIFI)
- 09:45-10:10 Overview bioenergy sustainability certification systems and European stakeholder views
Aino Martikainen (FNR) and Martin Junginger (Copernicus Institute)
- 10:10-10:30 Ongoing developments on sustainability certification of solid and liquid biomass and biofuels in the European Union
Fanny Langue (DG Energy, European Commission)
- 10:30-10:50 Coffee Break
- 10:50-11:10 Sustainability requirements for liquid biofuels in the US
Speaker to be announced
- 11:10-11:30 Sustainable Brazilian ethanol production and export
Glaucia Mendes Souza (FAPESP)
- 11:30-11:50 WTO regulations and bioenergy sustainability certification – synergies and possible conflicts
Robert Ackrill (Nottingham Trent University) and Adrian Kay (Australian National University)
- 11:50-12:10 GBEP work on sustainability criteria and indicators
Michela Morese (GBEP)
- 12:10-12:30 Room for questions and discussion
- 12:30-13:45 Lunch break

- 13:45-18:00 **Afternoon session: Examples of setting up sustainable international supply chains for liquid and solid biomass**
- Chair: David Chiaramonti
- 13:45 General overview of experiences with sustainable biofuel imports under the RTFO
Keeley Bignal (RFA)
- 14:05 Setting up sustainable biofuel supply chains under the RTFO
Kate Bottriell (ProForest)
- 14:25 Development of sustainable supply chains for Jatropha from Mozambique
Alessandro Berti (Api Nova Energia)
- 14:45 Sustainability certification of Liquid biofuels in Germany
Andreas Feige (ISCC)
- 15:05 *Coffee break*
- 15:30 Verifying the sustainability of solid biomass resources for electricity production: case study
Catherine Neve (SGS Belgium, Environmental Services)
- 15:50 Sourcing of sustainable solid biomass for large-scale co-firing in NW Europe
Peter-Paul Schouwenberg (Nidera)
- 16:10 Experiences with certification in the Netherlands Program of Sustainable Biomass
Kees Kwant (Ministry of Economic Affairs, NL Agency)
- 16:30 Sustainability indicators of different regional wood fuel chains: small-scale DH heat, CHP, biorefineries and pellet factories in Finland
Katja Lähtinen (Finnish Environment Institute (SYKE))
- 16:50-18:00 **Round table discussion: What lessons can be drawn from the case studies on the implementation of sustainability certification schemes?**
Chair: Maurizio Cocchi (ETA)
Invited participants:
- Vito Pignatelli (ITABIA)
 - Jeppe Bjerg (Eurelectric / Dong Energy) (to be confirmed)
 - Fanny Langue (EC)
 - Michela Morese (GBEP)
 - David Chiaramonti (UNIFI)
 - André Faaij (Utrecht University)

Venue

The Task 40 meeting and the workshop will be held in GSE office. Coffee-breaks and lunches will be served during the meeting.

GSE S.p.a (Gestore dei Servizi Elettrici)
Viale Maresciallo Pilsudski, 92 - 00197 Roma



Arriving:

By Air: The basic taxi rate to the city centre is € 30,00 from Ciampino Airport and € 40,00 from Fiumicino Airport. From Fiumicino you can catch the direct train to Termini, from Ciampino several busses are connecting the airport directly with the city centre.

By Train: From Roma Termini train station, take the metro line A towards Battistini and get off at "Flaminio" (4th stop). Then switch to the over-ground line and take the train (Ferrovie Roma Nord, Roma-Viterbo), get off at Piazza Euclide (1st stop).

Registration

Participation is free of charge, **however it is mandatory to register before the event.**

Please fill in the registration form at the end of this programme and send it to registration@etaflorence.it or fax it to the following fax number: +39 055 573425.

Information about the venue recommended hotels will be available soon.

