



SolidStandards

Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels (EIE/11/218)



D4.5e
Workshop report
14 December 2013
Haskovo, Bulgaria



SolidStandards-project

The SolidStandards project addresses ongoing and recent developments related to solid biofuel quality and sustainability issues, in particular the development of related standards and certification systems. In the SolidStandards project, solid biofuel industry players will be informed and trained in the field of standards and certification and their feedback will be collected and provided to the related standardization committees and policy makers.

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About this document

This document is part of work package 4.6 of the SolidStandards project. It is the summary report of the national workshop on sharing the experience on standards implementation. This document was prepared in **December 2013** by:

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Intelligent Energy Europe

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1. Introduction

The Final Workshop on sharing the experience on standards implementation was held on 14 December, 2013 in Haskovo, Bulgaria by the SolidStandards Consortium Members' ERATO Holding Plc and Energy Utilization Biomass Association (EUBA). The main topic of the event was standards for Trade & Logistics of wood pellets & wood chips. Additionally the final workshop provided to the participants general information regarding the improvement of standards and certification schemes for solid bio fuels in the type of wood pellets and wood chips in the future.

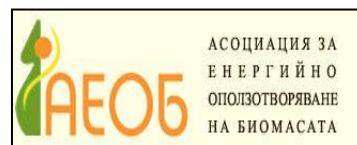
2. Participants

The final workshop in Ardino was attended by 36 participants. Most of them were participants from the South-Central Region of Bulgaria. The classification of the different groups of participants include companies from forest industry, trade and logistics sector, associations, stakeholders, local and regional authorities, biomass energy consultancy.

The list of participant list is given in Appendix. 2.

3. Programme

3.1. Agenda



Solid Standards Project Funded by the European Commission

Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels (EIE/11/218)

FINAL WORKSHOP ON SHARING THE EXPERIENCE ON STANDARDS IMPLEMENTATION

**14 December, 2013, Conference Hall, Hotel Planinski Izgled,
Haskovo, Bulgaria**

14.12.2013	AGENDA
09:00-09:30	Registration of participants.
09:30-10:00	Workshop opening. SolidStandards Project. Eng. Nikolay Vangelov – ERATO Holding Plc
10:00-11.00	Current situation in the trade and logistics for wood pellets and wood chips. Eng. Nikolay Vangelov – ERATO Holding Plc
11:00-11:45	Quality standards for wood pellets implementation. D-r .Eng. Dimitar Mladenov, EUBA – Energy Utilization Biomass Association
11:45-12:30	Quality standards for wood chips implementation. D-r .Eng. Dimitar Mladenov, EUBA – Energy Utilization Biomass Association
12:30-13:30	Working lunch (Kettering)
13:30-14:15	Trade and logistics of wood pellets for public and industrial sectors. Marin Marinov, ERATO Plc. - Haskovo
14:15-15:00	Trade and logistics of wood chips for public buildings. Rajko Bozov, Biomasa Engineering Ltd. - Chepelare
15:00-15:45	Storage and handling of wood pellets and wood chips. Eng. Nikolay Vangelov – ERATO Holding Plc
15:45-16:15	Coffee brake
16:15-17:00	Wood chips logistic in Biomass plant 2MW in the town of Haskovo Eng. Kasim Kasim, ERATO Engineering Ltd - Haskovo
17:00-17:30	Discussion
17:30	Workshop closure.

3.2. Summary of presentations

The Final workshop was open and started with presentation about “SolidStandards Project” concerning the event’s agenda by Nikolay Vangelov – ERATO Holding Plc and information regarding the current situation in the trade and logistics for wood pellets and wood chips in Bulgaria.

Mr. Dimirat Mladenov – EUBA Bulgaria presented to the participants the completed information about the quality standards implementation for wood pellets and wood chips.

Mr. Marin Marinow shared ERATO Plc experience concerning the trade and logistics of wood pellets to public and industrial infrastructure, especially the procedures and issues connected with public procurement contract.

The trade and logistic of wood chips for kindergarten, school and administrative buildings in the town of Chepelare was presented by Mr. Rajko Bozow from Biomasa Engineering Ltd.

Mr. Nikolay Vangelov also presented the problematic issues and requirements connected with the storage and handling of wood pellets and wood chips, very important matter in the actual conditions for different type of stakeholders in Bulgaria.

Eng. Kasim Kasim from ERATO Engineering present examples for wood chips logistic in Biomass plant 2MW in the town of Haskovo for generation and delivering of thermal energy for industrial consumers.

The workshop was finished with constructive discussion between participants.

3.3. Situation in Bulgaria

There are not implemented standards regarding the quality of wood chips and wood pellets, and trade and logistics of this biofuels at the moment in Bulgaria. Some produces of wood pellets and wood chips use some BDS standards connected with the forest industry but not connected with the relevant EU standards. The trade and logistics of wood pellets and wood chips is implemented regarding the common rules for commercial activities and transportation of goods without any compliance with the relevant standards in European Union. In general there are significant interest too the participants for implementation of biofuels standards especially EN 15234-2 and EN 14961-2.

4. Quality of the workshop

4.1. Feedback from participants

The companies which activities are connected with production of wood pellets have interest there production to be certified by EN 14961-2. The main reason is the fact that about 60% of the annual pellets production is exported to EU.

The reasonable questions from the part of participants regarding the process of quality standards implementation for wood chips and wood pellets, risk of deterioration of the fuel quality, quality control in the production process of pellets, appropriate quality assurance measures and trade and logistics requirements of solid biofuels were asked.

Pellets manufacturers would like implement standards including to pay for all standardisation services but they have not information how to do this.

4.2. Lessons learned

There are not any stakeholders from the participants which at present used biomass standards. The participants in the final workshop would like to introduce quality standards in their facilities in the future. The large necessity from the general government policy and campaign in the field of quality and sustainability of the solid biofuels standards and certification schemes is also needed.

5. Conclusions

The final workshop was very good way to summarize very important matters regarding solid biomass project cycle implementation including the significant role of standardisation and sustainability. The management's role of all process connected with biofuels production, trade and logistics was appreciated by the participants.

Annex I - Participants list

1. Marin Marinov
 2. Nikolay Vangelov
 3. Momchil Karaivanov
 4. Dimitar Mladenov
 5. Rajko Bozov
 6. Elitsa Delcheva
 7. Kiril Stoyanov
 8. Kamen Toshev
 9. Ivan Stoianov
 10. Rajna Stoeva
 11. Ivanka Stefanova
 12. Delyan Matev
 13. Ivan Dimitrov
 14. Rusi Chanev
 15. Valentina Miteva
 16. Jordan Mitev
 17. Mirela Basheva
 18. Vladimir Assenov
 19. Filip Jordanov
 20. Svetla Bozova
 21. Kasim Kasim
 22. Adnan Juseinov
 23. Stefan Jotovski
 24. Ivan Chulev
 25. Yavor Matev
 26. Bonka Koleva
 27. Hasan Jumerov
 28. Marin Zhivkov
 29. Ivanka Chuhovska
 30. Penko Penev
 31. Dancho Ivanov
 32. Mirela Yankova
 33. Adriana petrova
 34. Ivailo Stoilov
 35. Purvan Hadjiev
 36. Mihail Stoev
- Erato Plc
 - Erato Holding AD
 - ARO-Smolian
 - EUBA
 - Biomasa engineering Ltd
 - ERATO Plc
 - Chepelare municipality
 - EUBA
 - RDG- Haskovo
 - RDG- Kurdjali
 - Olimp consult Ltd
 - ET Atser-Yavor Matev
 - Aspekti Ltd
 - ET Chanev
 - Haskovo municipality
 - Erato resource Ltd
 - Haskovo municipality
 - Ekoterm
 - AGFB
 - Biomasa engineering Ltd
 - Erato Engineering Ltd
 - Erato Engineering Ltd
 - Erato Holding AD
 - Erato Holding AD
 - ET Atser
 - ERATO Engineering Ltd
 - RDG-Kurdjali
 - Ekoterm Project Ltd
 - Trakia Komerce Ltd
 - Konsult M Ltd
 - Erato resource Ltd
 - Toplivo OOD
 - E.R.A. Trans Ltd
 - RDG-Haskovo
 - MIG trans Ltd
 - Trans logistics Ltd