



# SolidStandards

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



**D7.4**  
**Report on presentation and publication activities**



## The 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 standardisation committees and policy makers.

The core of the action is the organization of 35 training events for producers, traders and end-users of solid biofuels and actors involved in standardisation and certification. Trainings aim at increasing the target group's ability to implement quality and sustainability standardisation and certification. The consortium works with 7 selected solid biofuel companies and supports them in implementing European quality standards. The process is documented and shall serve as a guideline for standard implementation. In order to contribute to the discussion on binding sustainability criteria for solid biofuels, existing sustainability schemes will be analysed, reviewed, assessed for compliance with the EC decision and tested in a number of practical case studies. Finally, the project contains several tools for feedback collection from the industry. This feedback is collected, analysed and provided to European and national standardisation organizations in Europe.

SolidStandards is coordinated by:

WIP Renewable Energies  
Sylvensteinstrasse 2  
81369 Munich, Germany  
Cosette Khawaja & Rainer Janssen  
cosette.khawaja@wip-munich.de  
rainer.janssen@wip-munich.de  
Tel. +49 (0)89 72012 740



## About this document

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WIP Renewable Energies  
Sylvensteinstrasse 2  
81369 Munich, Germany  
Cosette Khawaja & Rainer Janssen  
cosette.khawaja@wip-munich.de  
rainer.janssen@wip-munich.de  
Tel. +49 (0)89 72012 740



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## 1. Introduction

The project activities and results were disseminated by the partners throughout the project duration mainly via publications in scientific and trade journals and magazines and via national and international conferences and other events where the major target group was industry representatives.

It was foreseen to present project activities in at least 4 articles in international magazines and in at least 8 international events. The goal was reached by far as the project was presented in more than 60 events and more than 20 journals and magazines.

In some events and magazines, the presentations and article were not dedicated only to disseminate the SolidStandards project and those are indicated in Table 1.

## 2. Presentations

Table 1 provides an overview on SolidStandards dissemination activities via presentations in conferences and other events.

In some events, the presentations were not dedicated to disseminate the activities and the results of the SolidStandards project, but the project was nevertheless advertised in these events. This is indicated in Table 1.

## 3. Publications and other dissemination activities

Table 2 provides an overview on SolidStandards dissemination activities via publications in scientific and trade journals, magazines and various websites.

In some journals and magazines, the articles were not dedicated only to disseminate the SolidStandards project and those are indicated in Table 2.

Table 1: Oral and visual presentations in national and international conferences and events

No	Name of event	Main leader / Author	Title	Date	Place	Oral / visual	Dedicated / mentioned
1	19th European Biomass Conference and Exhibition	WIP/Wolfgang Hiegl	Enhancing the implementation of quality and sustainability standards for solid biofuels	6-10/06/2011	Berlin, DE	Poster	Dedicated
2	World Sustainable Energy Days – European Pellet Conference	WIP / Wolfgang Hiegl	Enhancing the implementation of quality and sustainability standards for solid biofuels	29/02/2012	Wels, AT	Poster	Dedicated
3	20th European Biomass Conference and Exhibition	WIP / Wolfgang Hiegl	Enhancing the implementation of quality and sustainability standards for solid biofuels	18-22/06/2012	Milan, IT	Poster	Dedicated
4	World Sustainable Energy Days – European Pellet Conference	WIP / Cosette Khawaja	Enhancing the implementation of quality and sustainability standards for solid biofuels	27-28/02/2013	Wels, AT	Poster	Dedicated
5	21th European Biomass Conference and Exhibition	WIP / Cosette Khawaja	Enhancing the implementation of quality and sustainability standards for solid biofuels	3-7/06/2013	Copenhagen, DK	Poster	Dedicated
6	22nd European Biomass Conference and Exhibition	WIP / Cosette Khawaja	Enhancing the implementation of quality and sustainability standards for solid biofuels	23-26/06/2014	Hamburg, DE	Poster	Dedicated
7	Landwirtschaftskammer Steiermark: biomass training	HFA / Metschina Christian	Europäische Normen und ÖNormen	22/03/2012	Mitterdorf, AT	Oral	Mentioned
8	Project meeting of a wood chip project at FHP (Forst-Holz-Papier, Energie)	HFA	Waldhackgutnorm	23/03/2012	Vienna, AT	Oral	Mentioned
9	“Biomass Trade Centre II” project meeting	HFA	Experiences with wood biomass quality control in Austria	05/10/2012	Legnaro/Padova, IT	Oral	Dedicated
10	17. Österreichischer Biomassetag organized by Austrian Biomass Association (ABA)	HFA	Die neue Hackgutnorm in der Praxis	23/10/2012	Klagenfurt, AT	Oral	Dedicated

No	Name of event	Main leader / Author	Title	Date	Place	Oral / visual	Dedicated / mentioned
11	Additional training on wood chip quality in cooperation with "Biomass Trade Center 2" project "Hackgutqualität und Übernahme von Energieholz"	HFA	Different presentations	22/05/2013	Vienna, AT	Oral	Dedicated
12	Heizwerkebetreibertag organized by Austrian Biomass Association (ABA)	HFA	ÖNORM C 4005 - Die neue Norm für Holzhackgut und Schredderholz	05/11/2013	Lambach, AT	Oral	Dedicated
13	FOROPA-project: Improving storage properties of slash	HFA	Probenahme & Probenherstellung für Waldhackgut und Schredderholz	14/03/2014	Zeltweg, AT	Oral	Dedicated
14	Methoden-Workshop TFZ „Untersuchung chemischer und physikalischer Prozesse in Waldhackschnitzel-Schüttungen“	HFA	Storage of Chips	24/03/2014	Straubing, DE	Oral	Mentioned
15	Informationsveranstaltung FAST Pichl: „Hackgut- und Scheitholznormen neu-Richtig gelesen und umgesetzt“	HFA	Hackgut- & Scheitholznormen neu; Vorstellung gebräuchlicher Biomasse-Normen im Alltag	27/03/2014	Mitterdorf, AT	Oral	Dedicated
16	SEEGEN 11. Betreiber/Erfahrungsaustausch	HFA	ÖNORM C 4005 - Holzhackgut und Schredderholz für die energetische Verwertung	10/04/2014	Saalfelden, AT	Oral	Dedicated
17	JAMK University of Applied Sciences	VTT	SolidStandards project and European standards for wood pellets, chips and bales.	08/12/2011	Saarijärvi, FI	Oral	Dedicated
18	Training course for staff of Finnish Energy Market Authority	VTT	Wood chips – fuels specifications and classes and quality assurance	06/03/2012	Helsinki, FI	Oral	Dedicated
19	World Bioenergy Conference 2012	VTT	Towards international pellet standards	27/05/2012	Jönköping, SE	Oral	Mentioned
20	Bioenergy from Forest conference 2012	VTT	Energy content based firewood trading	28/08/2012	Jyväskylä, FI	Oral	Dedicated

No	Name of event	Main leader / Author	Title	Date	Place	Oral / visual	Dedicated / mentioned
21	SolidStandards training event for Helsinki Energia	VTT	Wood chip training module and pellet standards	28/08/2012	Jyväskylä, FI	Oral	Dedicated
22	Pilkkeen laatu ja hinnoittelu	VTT	Polttopuun laatustandardit (Quality standards for firewood)	11/10/2012	li	Oral	Dedicated
23	Bioenergiapäivät 2012	VTT	Energiasisältöön perustuva pilkekauppa (Firewood trade based on energy content)	14/11/2012	Helsinki, FI	Oral	Dedicated
24	Wood biomass training course	VTT	Puun ominaisuudet energiakäyttöön	01/11/2013	Joensuu, FI	Oral	Dedicated
25	21st European Bioenergy Conference and Exhibition	VTT	Poster about industrial wood pellets standards	07/06/2013	Copenhagen, DK	Poster	Mentioned
26	ENplus international certification	VTT	Industrial wood pellets standards (same poster as in Copenhagen)	17/06/2013	Brussels, BE	Printed copy of poster	Mentioned
27	World bioenergy conference 2013	VTT	Towards international pellet standards Industrial pellet standards	05/09/2013	Jönköping, SE	Oral	Dedicated
28	19th European Biomass Conference & Exhibition	DBFZ	New European Standards for Solid Biofuels and related Certification Schemes	6-10/06/2011	Berlin, DE	Oral	Dedicated
29	University of applied forest sciences	DBFZ	Brennstoffqualität und Analyse	24/11/2011	Rottenburg, DE	Oral	Dedicated
30	Meeting of the German DIN mirror committee on solid biofuels	DBFZ	Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels	26/01/2012		Oral	Dedicated
31	Sustainable energy week	DBFZ	Importance of standards for solid biomass	20/06/2012	Brussels, BE	Oral	Dedicated
32	Meeting of ISO/TC 238 Standardisation Committee „Solid Biofuels“	DBFZ	Information about the SolidStandards project and involvement into the standardisation process	6-9/05/2012		Oral information	Mentioned



No	Name of event	Main leader / Author	Title	Date	Place	Oral / visual	Dedicated / mentioned
33	ENplus Auditor Training	DBFZ	Practical Implementation of the new European standards for Solid Biofuels: Introduction to the Enplus certification system	11/10/2012	Vienna, AT	Oral	Dedicated
34	University of applied forest sciences	DBFZ	Brennstoffqualität und Analyse	26/11/2012	Rottenburg, DE	Oral	Dedicated
35	DBFZ Fachgespräche	DBFZ	Standardisierung, Normung und Genehmigungsfragen alternativer Biobrennstoffe	28/11/2012	Leipzig	Oral	Dedicated
36	3rd Ukrainian Biofuel Forum	DBFZ	Quality assurance for solid biofuels	20/04/2013	Kiew, UA	Oral	Dedicated
37	Sustainable biomass training	NEN	Supply of certification services from the Netherlands	26/09/2012	Kiev, Ukraine	Oral	Mentioned
38	World Biofuels Markets	NEN	<a href="http://www.slideshare.net/harmenwillemse1/bffm-2013-willemse">http://www.slideshare.net/harmenwillemse1/bffm-2013-willemse</a>	12-14/03/2013	Rotterdam, NL	Oral	Mentioned
39	Dutch national mirror standardisation committee meetings on solid biomass, solid recovered fuels, sustainability criteria and bio-based products	NEN	Presentatie Toelichting SolidStandards voor	23/04/2013	Utrecht, NL	Oral	Mentioned
40	World Biomass Power Markets	NEN	<a href="http://www.slideshare.net/harmenwillemse1/global-pellet-markets-standardization-certification-and-legislation#">http://www.slideshare.net/harmenwillemse1/global-pellet-markets-standardization-certification-and-legislation#</a>	15-17/05/2013	Amsterdam, NL	Oral	Mentioned
41	Themamiddag ENERGIEk	NEN	Flyer voor Energiek - Gratis training kwaliteits- en duurzaamheidsnormen voor vaste biomassa	23/05/2013	Delft, NL	Oral	Mentioned
42	Studiedag Platform Bio-Energie	NEN	Normalisatie van Vaste Biobrandstoffen	11/09/2013	Lochristi, BE	Oral	Dedicated



No	Name of event	Main leader / Author	Title	Date	Place	Oral / visual	Dedicated / mentioned
43	9th International Fair of Devices and Technologies for Production and Application of Pellets and Briquettes "PELLETS-EXPO & BRIQUETTES-EXPO"	BAPE	Wdrażanie norm dotyczących biomasy - Projekt europejski „SolidStandards”	2/06/2011	Bydgoszcz, PL	Oral	Dedicated
44	Information Day on Intelligent Energy – Europe Programme	BAPE	Wdrażanie norm dotyczących biomasy - SolidStandards	14/02/2012	Gdańsk, PL	Oral	Dedicated
45	10th International Fair of Devices and Technologies for Production and Application of Pellets and Briquettes "PELLETS-EXPO & BRIQUETTES-EXPO"	BAPE	Wdrażanie norm dotyczących biomasy - SolidStandards	29-31/05/2012	Bydgoszcz, PL	Oral	Mentioned
46	Information Day on Intelligent Energy – Europe Programme	BAPE	Wdrażanie norm dotyczących biomasy - SolidStandards	05/03/2013	Gdańsk, PL	Oral	Dedicated
47	11th International Fair of Devices and Technologies for Production and Application of Pellets and Briquettes "PELLETS-EXPO & BRIQUETTES-EXPO"	BAPE	Wdrażanie norm jakości pelletów i brykietów	18-20/06/2013	Bydgoszcz, PL	Oral	Mentioned
48	POLEKO 2013 International Trade Fair of Environmental Protection	BAPE	Wdrażanie systemu zapewnienia jakości wg normy PN-EN 15234 na przykładzie OPEC-BIO Sp. z o.o.	07/10/2013	Poznań, PL	Oral	Dedicated
49	XXI Annual Technical Workshop of ERATO	ERATO	Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels	27/06/2011	Haskovo, BG	Oral	Mentioned
50	67th International Technical Fair	ERATO	Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels	27-29/09/2011	Plovdiv, BG	Oral	Mentioned

No	Name of event	Main leader / Author	Title	Date	Place	Oral / visual	Dedicated / mentioned
51	Business Forum Practice and Innovation in biomass utilisation	ERATO	Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels	27/02/2012	Sofia	Oral	Mentioned
52	5th Scientific Conference "Innovations In Forest Industry And Engineering Design"	ERATO	Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels	15-16/11/2012	Yundola - Rhodope Mountains, BG	Oral	Dedicated
53	Presented to the consortium's members working on GBE Factory project ( <a href="http://www.gbefactory.eu/">http://www.gbefactory.eu/</a> ) funded by IEE Programme, during the meeting in Bulgaria.	ERATO	Enhancing the implementation of quality and sustainability standards and certification schemes for solid biofuels	29-30/05/2013	Sofia	Oral	Mentioned
54	Nordic Bioenergy Conference	FORCE	A Danish Strategy on Thermal Biomass Gasification	5-9/09/2011	Jyväskylä, FI	Oral	Mentioned
55	Danish Wood Pellet Conference	FORCE	Det internationale pillemarked	08/05/2012	Randers, DK	Oral	Mentioned
56	European Pellet Conference	FORCE	The Danish Wood Pellet Market	29/02/2012	Wels, AT	Oral	Mentioned
57	Meeting of the Danish Mirror Committee	FORCE/ Susanne Westborg		11/10/2012	Charlottenlund, DK	Oral	Mentioned
58	Sustainable Energy Finance and Investment Summit	REGEA	Razvoj projekata biomase u hrvatskoj – primjeri i trenutno stanje sustava područnog grijanja	19-22/10/2011	Cavtat, HR	Oral	Mentioned
59	Zagreb energy week 2012	REGEA	Projekti IEE BiomassTradeCentrell i SolidStandards: Prikaz aktivnosti i mogućnosti za poduzetnike i industriju	14-19/05/2012	Zagreb, HR	Oral	Dedicated
60	Zagreb Energy Week 2013 within the conference "Together for a Green, Sustainable Europe"	REGEA	Ugovorna prodaja topline iz biomase	15/05/2013	Zagreb, HR	Oral	Dedicated

No	Name of event	Main leader / Author	Title	Date	Place	Oral / visual	Dedicated / mentioned
61	PelICert project meeting	AEBIOM		25/05/2011	Brussels, BE	Oral	Mentioned
62	Central European Pellet Day	AEBIOM	The ENplus Certification – How to get certified?	15/01/2014	Graz, AT	Oral	Mentioned

Table 2: Publications and other dissemination activities

No	Type of activity	Journal name/ website/	Main leader / Author	Title*	Publication Date	Publisher/Location	Dedicated / mentioned	ISBN/D.O.I/Link
1	Article	Proceedings of the 19th EUBC&E	WIP / Wolfgang Hiegl	Enhancing the implementation of quality and sustainability standards for solid biofuels	2011	ETA-Florence Renewable Energies, Florence, Italy	Dedicated	978-88-89407-55-7
2	Article	Proceedings of the 20th EUBC&E	WIP / Wolfgang Hiegl	Enhancing the implementation of quality and sustainability standards for solid biofuels	2012	ETA-Florence Renewable Energies, Florence, Italy	Dedicated	978-88-89407-54-7
3	Article	Proceedings of the 21st EUBC&E	WIP / Cosette Khawaja	Enhancing the implementation of quality and sustainability standards for solid biofuels	2013	ETA-Florence Renewable Energies, Florence, Italy	Dedicated	978-88-89407-53-0
4	Article	Maschinenring-magazine	HFA	Neuigkeiten aus Forst und Energie	May 2012	Maschinenring, Salzburg	Mentioned	
5	Article	BIOCLUS-Newsletter	VTT	Kiinteiden biopolttoaineiden sekä kestävän kehityksen standardien käyttöönottoa avustetaan – SolidStandards-projekti	November 2011	JAMK University of Applied Sciences	dedicated	www.bioclus.eu
6	Article	PYNE-Newsletter	VTT	European solid biofuels standards and SolidStandards project	December 2011	IEA Bioenergy task 34 Pyrolysis	Dedicated	ISSN 2040-2759
7	Advertisement	BioEnergia journal 1/2013	VTT	Hakestandardien koulutus	January 2013	Finnish Bioenergy Association	dedicated	
8	Advertisement	SFS Tiedotus 1/2013	VTT	Hakestandardien koulutusta	January 2013	SFS Finnish Standardisation organisation	dedicated	

No	Type of activity	Journal name/ website/	Main leader / Author	Title*	Publication Date	Publisher/Location	Dedicated / mentioned	ISBN/D.O.I./Link
9	Article	Proceedings of Bioenergy from Forest 2012 conference	VTT	Energy content based firewood trading	September 2012	Finnish Bioenergy associations	dedicated	
10	Press release	Kemesta website	VTT	Training events in Finland	April 2013	Kemesta ry	dedicated	www.kemesta.fi
11	Advertisement	ForestEnergy2020 webpage	VTT	advertisement of Copenhagen paper and training event	June 2013	VTT and Metla	mentioned	www.forestenergy2020.org
12	Article	Proceedings of the 21st EUBC&E	VTT	Towards international pellets standards	June 2013	ETA Florence & WIP	dedicated	
13	Article	Proceedings of Bioenergy 2013 Exhibition and Conference	VTT	International pellet standards for industrial use	September 2013	Finnish Bioenergy Association and Benet Oy	dedicated	USB stick for participants
14	Press release	Pellets- Markt & Trends, Issue 05/12	DBFZ	Training events in Germany	05/2012			
15	Article	Holzzentralblatt	DBFZ		04/05/2012			
16	Article	NEN newsletter	NEN	Tweede SolidStandards training Vaste Biobrandstoffen en duurzaamheid wederom succes!	01/06/2012	NEN		
17	Article	Energie Nieuwsbrief	NEN	SolidStandards workshop over duurzaamheid vaste biomassa	01/07/2012	NEN		page 2 in Newsletter
18	Press release		NEN	NEN deelname Europees project "Solid Standards"	01/12/2012	NEN		
19	Article	Clean Energy magazine	BAPE	Wdrażanie norm dotyczących biomasy	June 2011		Dedicated	

No	Type of activity	Journal name/ website/	Main leader / Author	Title*	Publication Date	Publisher/Location	Dedicated / mentioned	ISBN/D.O.I/Link
20	Subwebsite in Polish	<a href="http://www.bape.com.pl/solidstandards">www.bape.com.pl/solidstandards</a>	BAPE	Projekt SolidStandards	January 2012		Dedicated	
21	Article	Clean Energy magazine	BAPE	Zaproszenie do udziału w szkoleniach na temat, Systemu jakości biopaliw stałych	May 2012		Dedicated	
22	Advertisement leaflet	POLEKO 2012 International Trade Fair of Environmental Protection	BAPE	Training events in Poland	November 2012		Dedicated	
23	Article	Magazyn Instalatora magazine	BAPE	System zapewnienia jakości paliw z biomasy stałej	December 2012		Mentioned	
24	Article	Heating Technologies magazine	ERATO		May 2011		Mentioned	

## **Annex I: Proof of presentations**

## **Annex II: Proof of publications**