



Training of Trainers seminar on regional supply chains for woody bioenergy

30th November – 3rd December 2015

Work package leader: KSENA

Summary

The Training of Trainer seminar capacitated together 12 experts from Bulgaria, Croatia and Serbia as trainers/multipliers on regional supply chain management and market development for quality woody bioenergy products from sustainable forestry. The mixture of tuition seminar and field excursions to good practice examples of operating Biomass Logistic and Trade Centres in Slovenia, Austria and Germany provided in-depth insights and facilitated joint learning.

1. Objective of the ToT seminar

Develop capacities and knowledge of experts who are engaged in bioenergy as trainers/multipliers for providing orientation to key stakeholders along regional value chains of woody bioenergy products and potential operators of Biomass Logistic and Trade Centres on local market development and supply chain management for quality woody bioenergy products from sustainable forestry.

2. Methodology and Program of the ToT seminar

The Training of Trainers seminar was linked with the study tour to good practice examples of Biomass Logistic and Trade Centers (BLTCs) in Slovenia, Austria and Bavaria/Germany. The mixture of tuition seminar and field excursions provided orientation and facilitated joint learning across countries and enabled an in-depth look in practical development and operation of BLTCs and the opportunity of direct interaction with key actors along local value chains and potential BLTC operators from Croatia, Bulgaria and Serbia who participated in the study tour. With the intention to promote joint learning interaction the training session on standards, biomass supply chain management and EU Timber regulation (see part 3 of ToT program) was implemented jointly with study tour participants as well as all trainers attended the technology transfer workshop. At the workshop all participants had the opportunity to interact with other





experts on woody bioenergy from Bavaria and BioRES partner organisations and elaborate jointly lessons learned for developing local supply chains for woody bioenergy in group work sessions. This enabled the trainers to understand the concerns of key actors and their vocational training needs in order to make training seminars interesting in specific areas. The trainers were awarded with a BioRES ToT training certificate and provided very positive feedback. They expressed a high motivation in using the ToT inputs.

Training modules included:

- Site visits to best practice Biomass Logistic and Trade Centres in Slovenia, Austria and Germany
- Assessment of local market potentials & local market development for woody bioenergy products
- Development and implementation of BLTC business models
- Quality standards, sustainable supply chain management and characteristics of solid biofuels
- Forest Certification and Auditing procedures
- EU Timber Regulation Requirements for Market Actors
- ENplus certification for wood pellets
- Didactic approaches & demand for trainers/training seminars in Croatia, Bulgaria and Serbia

Overview of the ToT seminar program

	Date	Program
Monday	30.11.2015	
	In the morning	Field visit to BLTC in Slovenia: Biomasa Nazarje - special feature: CHP-Plant
	In the Afternoon	in Graz at the Training Center of the Agriculture Chamber Styra ToT seminar part 1: Assessment of local market potentials/Local market development & Didactic approaches and Motivation Trainer Dr. Nike Krajnc on behalf of KSENA
1.12.2015		
Tuesday	In the morning	Field visit in Styra/Austria: - Guided tour to private forest operation and supplier to BLTC in Leoben - In Leoben guided tour BLTC Leoben - special feature: observing different operations from supply of wood, sampling, weighting on the weigh bridge up to the wood chipper in action <i>Martin Gaber, forest owner association Styra on behalf of Agriculture Chamber Styra</i>
	In the Afternoon	ToT seminar part 2: Development and implementation of BLTC business models (technical, financial, organisational) <i>Martin Gaber, forest owner association Styra on behalf of Agriculture Chamber</i>
2.12.2015		
Wednesday	In the Morning	Travel to Bavaria
	In the Afternoon	Field Visit to Biomassehof Achental GmbH & Co. KG in Grassau - special feature: the BLTC is part of the eco-region model Achental based on institutionalised cooperation of several municipalities and actors in the region on renewable energy, nature conservation and tourism <i>Dr. Stefan Hinterreiter, Biomassehof Achental</i>





3.12.2015		
T h u r s d a y	In the Morning	In Feldafing/Bavaria at the International Training Centre of Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH ToT seminar part 3 (attended by trainers and study tour participants): - Quality standards & assurance and biomass supply chain management <i>Melanie Zenker, CARMEN e.V.</i> - Certification and Auditing & EU Timber Regulation requirements for market actors <i>Jörn Ackermann for GIZ</i> - Exchange on business models for training seminars on bioenergy/biomass in the three countries <i>Stefan Essel, GIZ</i> Handing over of Training Certificates by Nejc Jurko, KSENA and Stefan Essel, GIZ
	In the Afternoon	Field visit to Biomassehof Allgäu eG special feature – affiliated own pellet production and pellet filling station on the BLTC site <i>Helmut Müller, Vice president BLTC Allgäu Cooperative</i>
4.12.2015		
F r i d a y	In the morning	Participation of ToT participants in the International technology transfer workshop
	In the Afternoon	Departure

3. Training material

Each Participant received:

- I. USB stick including:
 - 1) electronic version of the Training Manual
 - 2) useful documents in different languages as far as available (EN, BG, HR, SRB)
 - EU Timber Regulation (No. 995/2010)
 - Commission Implementing regulation of the EU-Timber regulation (No 607/2012)
 - Guidance Document for the EU Timber Regulation
 - EU-Timber Regulation leaflet
 - BioRES report on Checklist for the selection of priority locations of new BLTCs in Bulgaria, Croatia and Serbia (in four language versions)
 - BioRES Form sheet – checklist for priority locations for BLTs
 - 3) animation videos on market based standards systems (produced by ISEAL Alliance/financed by GIZ):
 - What is a sustainability standard?
 - Credible assurance
 - Demonstrating impacts of sustainability standards
 - Effective Chain of Custody and Traceability
- II. Print out of Training Manual
- III. Print out of presentations





All Training material is available on project website: <http://bioresproject.eu/index.php/training-of-stakeholders-along-the-supply-chain-of-woody-bioenergy-products/>.

The Training Manual was written in English and is translated into the national languages of the target countries: Bulgaria, Croatia and Serbia.

4. Identification process of Trainers:

In total twelve trainers participated in the seminar.

Four trainers from each of the three implementing countries Bulgaria, Croatia and Serbia were identified by the BioRES consortium based on a set of qualification criteria and provided bio-sketches.

Qualification criteria:

- Work experience and/or academic background in bioenergy/biomass (B.Sc. or higher)
- Medium to good didactic abilities and communication skills
- Motivation to implement training seminars in their own countries

No.	Name	Education	Organisation and Function	Country
1	Boban Jovanovic	Graduate forestry engineer	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, DKTI Program: Developing a sustainable bioenergy market in Serbia	Serbia
2	Miroslav Pantovic	Graduate forestry engineer/enrolled in MSc studies	State Forest Enterprise Srbijašume, Forest estate „ Prijepolje“ - Serbia	Serbia
3	Ratko Todorovic	Graduate forestry engineer	Pribel doo – Company developing CHP power plants	Serbia
4	Djordje Maric	Graduate forestry engineer/MSc	State Forest Enterprise Srbijasume	Serbia
5	Damir Kolić	Faculty of Forestry, Department of Forestry -Graduate Engineer of forestry	Šumska biomasa Ltd - Expert for wood chips	Croatia
6	Karlo Rajic	B.Sc. in Mechanical Engineering	North-west Croatia Regional Energy Agency	Croatia
7	Saša Bardak	Faculty of Forestry at the University of Zagreb, Zagreb (Croatia)	North-West Croatia Regional Energy Agency	Croatia
8	Tomislav Starčić	B.Sc. wood industry engineer	Hrvatske šume Ltd - expert associate for projects	Croatia
9	Elin Lilov	Master of Engineering (M.Eng) Forestry	South Central State Enterprise	Bulgaria
10	Mitko Radev	Master of Engineering (M.Eng.) Forestry Economics and Exploitation	Professional High School of Agriculture and Forestry	Bulgaria
11	George Letchov	Ph.D. in Ecology	Assistant professor Agricultural University/ BGBIOM	Bulgaria
12	Todor Shukerov	M.Sc. in Law	National Biomass Association BGBIOM	Bulgaria





5. Annexes

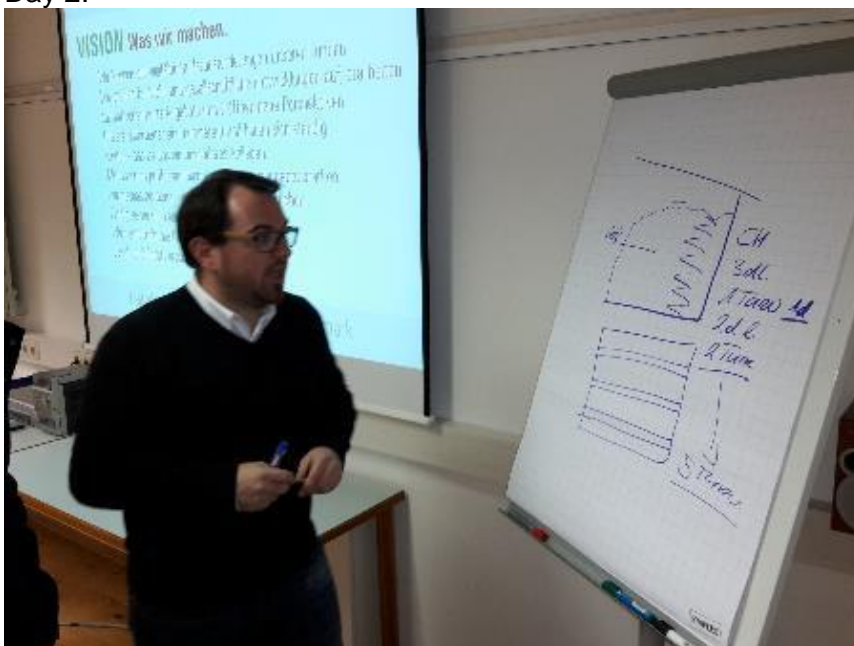
Annex 1: Photos of the ToT Seminar

Day 1



Picture 1: Dr. Nike Krajnc presentations

Day 2:



Picture 2: Trainer Martin Gaber





Annex 2: Training Certificate



CERTIFICATE of TRAINING

This Certificate is awarded to:

Mr. NAME SURNAME

for successfully participating in the Training of Trainers Seminar

Training modules:

- Site visits of best practice Biomass Logistic and Trade Centres in Slovenia, Austria and Germany
- Assessment of local market potentials
- Development and implementation of BLTC business models
- Quality assurance & verification of sustainability requirements/Chain of custody certification and EU timber regulation
- Didactic approaches

From 30th of November until 3rd of December 2015
in Graz and Feldafing.

<hr/> <p>Stefan Essel, BioRES Project Coordinator, Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH</p>	<hr/> <p>Boštjan Krajnc, Work Package Leader Training. Energy Agency of Savinjska, Šaleška and Koroška Region</p>
---	---

 BioRES has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 645994.

