

**Nordplus Horizontal 2016 project “Improvement of Forest Machinery
Operator curricula according to the needs of labor market”
Nr. NPHZ-2016/10051**

**Nordplus meeting on forestry curricula improvement in Latvia
8th May, 2017 – 10th May, 2017**

MEETING MINUTES Nr.2

1. Participants of the International meeting:

Nr.	Name, Surname	Organization
1	Riitta Pellinen	Jämsä College
2	Markus Seppänen	Jämsä College
3	Kari Kytömäki	Jämsä College
4	Markku Tuomikoski	Komatsu Forest
5	Arnis Putniņš	Komatsu Forest
6	Peep Arold	Luu Forestry School
7	Pille Ligi	Luu Forestry School
8	Meelis Kall	Luu Forestry School
9	Margus Lambing	RMK
10	Tarmo Aava	RMK
11	Sigita Jasinska	Ogre Technical School
12	Ilze Brante	Ogre Technical School
13	Armands Lapiņš	Ogre Technical School
14	Kārlis Ranga	Ogre Technical School
15	Linda Caune	Ogre Technical School

2. Programme of the Nordplus meeting in Latvia:

Time	Programme
8th of May 2017	
09:00	Pick up participants at hotel “Konventa sēta” <i>“Konventa Sēta”, Kalēju str. 9/11, Riga</i>
09:00-10:00	Road to Ogre Technical School
10:00-12:00	Coffee. Introduction with Ogre Technical School <i>Ogre Technical School</i>
12:00 -13:00	Nordplus Project meeting Working schedule, previous decisions, tasks of the meeting <i>Ogre Technical School</i>
13:0-14:00	Lunch <i>Ogre Technical School</i>
14:00-15:00	Road to Riga
15:00-17:00	Visit “R-Grupa” Ltd. <i>Ropaži</i>
17:00-18:00	Free time
18:00-19:30	Dinner <i>“Kaļķu vārti”, Kaļķu str. 11, Rīga</i>

9th of May 2017

09:00	Pick up participants at hotel “Konventa sēta” <i>“Konventa Sēta”, Kalēju str. 9/11, Rīga</i>
09:00-10:00	Road to Ogre Technical School
10:00-12:00	Coffee. Simulator pedagogy <i>Ogre Technical School</i>
12:00-13:00	Organization of Educational process at Ogre Technical School <i>Ogre Technical School</i>
13:0-14:00	Lunch <i>Ogre Technical School</i>
14:00-14:30	Road to Ķeguma district forest
14:30-16:30	Practical training organization of forest machine operators <i>Ķeguma district</i>
16:30-17:00	Road to Ogre
17:00-18:00	Introduction with city Ogre <i>Ogre city</i>
18:00-19:30	Dinner <i>M. Pūres beķereja, Brīvības str.21, Ogre</i>
19:30-20:30	Road to Rīga

10th of May 2017

09:00	Pick up participants at hotel “Konventa sēta” <i>“Konventa Sēta”, Kalēju str. 9/11, Rīga</i>
09:00-10:00	Road to Ogre Technical School
10:00-13:00	Coffee. Nordplus project work session <i>Ogre Technical School</i>
12:30-13:30	Lunch <i>Ogre Technical School</i>
13:30-13:45	Road to Sawmill “Norupe”
13:45-14:30	Introduction with sawmill “Norupe” <i>Ogre-Turkalne</i>
14:30-15:30	Road to airport “Rīga”

3. Proceeding of the international meeting

Questions of the meeting:

1. Introduction with Ogre Technical School /I.Brante/

*Ogre Technical School (OTS) have more than 21 educational programs in 8 sectors. OTS offers secondary vocational education – learning 900 students, professional qualifications for **high school graduates** – learning 46 students, **lifelong learning activities** in cooperation with the State Employment Agency and business, **charge courses** (for drivers licenses, hunter training, chainsaw, computer).*

OTS educational programs:

- 1) *Forestry and forest machinery (forestry technician, forest machine mechanic, forest machine operator, timber car driver)*
- 2) **Wood products manufacturing and construction work** (furniture joiner, carpenter construction products, woodworker)
- 3) **Computer science and electronics (computer technician, electronic technician)**
- 4) **Administrative work** (accountant, customer service, secretary)
- 5) **Hospitality and food production** (hospitality services, catering services, bread and flour products)
- 6) **Design and Art** (interior designer, multimedia designer, visual advertising designer, clothing designer, video operator)

2. Nordplus Project meeting Working schedule, previous decisions, tasks of the meeting /S.Jasisnka/

Previous decisions

- ⇒ *Luua prepares curriculum for apprentice studies for all of us to comment shall it cover the need of employers – in process*
- ⇒ *Ogre analyzes the possibility to implement 360 spider web for practice feedback, prepares the list of potential practice places – practice list done, is constantly being updated, 360 spider web – in process*
- ⇒ *Jyvaskyla Educational Consortium, Jämsä College shall work on their web courses and e-learning tools – Done, is constantly being updated, improved*
- ⇒ *Ogre and Luua shall sign a memorandum of understanding for cooperation. Activity is additional to the planned activities within the project- Done 12th of January 2017 Cooperation agreement. Common activities:*
 - 1) *18-19th March Tree felling training camp in Estonia*
 - 2) *7-8th April Tree felling training camp in Latvia*
 - 3) *20-22nd April Forest Course / Tree felling training competition in Estonia*
 - 4) *25-28th May The 16th European Championship in forestry skills in Switzerland.*

3. Visit “R-Grupa” Ltd.

“R-Grupa” innovative and development-oriented wood industry company. The company has a well-developed logistics sector and a modern machinery park with more than 80 units of equipment, including specialized forest machinery.

“R-Grupa” is the member of the Latvian Association of Independent Timber Harvesting and provide practice places for OTS students. “R-Grupa” is of leading timber cutting companies in Latvia with more than 10-year experience. The Timber Harvesting Department of “R-Grupa” holds 9 harvesters and 12 haulage tractors, which are operated by qualified and experienced operators.

4. Simulator pedagogy /Kari Kytömäki/

5. Organization of Educational process at Ogre Technical School /Karlis Ranga/

*Qualification: **forestry machines operator***

*Previous education: **basic education***

Duration: 4 years (5768 hours)

Graduate's education: Vocational secondary education

Technical Support:

- ⇒ 4 portative simulators
- ⇒ 2 stationary simulator
- ⇒ Valmet 832
- ⇒ John Deree 810 D – forwarder
- ⇒ John Deree 1070 D – harvester
- ⇒ Ponsse ELK - forwarder

Study plan

Subjects	Contact hours				
	1st year	2nd year	3rd year	4th year	Total
Language and communication studies	184	198	132		514
Mathematics, natural sciences and technical sciences	388	229	132		749
Social sciences and cultural education	184	148			332
Sport	72	62	66	24	224
Profesional subjects	396	355	660	312	1723
Practical trainings	136	256	180	56	628
Qualification practice				960	960
	1360	1248	1170	1352	5130

6. Practical training organization of forest machine operators */Karlis Ranga/*
Steps to get Qualification: forestry machines operator
 - ⇒ Traffic Regulations;
 - ⇒ Simulators
 - ⇒ Walmet 832 in polygon
 - ⇒ Forwarder JD 810, Ponsse Elk in forest
 - ⇒ 7 or higher - Harvester
7. Nordplus project work session */Linda Caune/*
Today OTS implementing vocational training programs based on learning objects. In cooperation with employers OTS are developing new programs – modular programs
Its content is restructured – it based on the results – learning module, the student have mastered a particular skill. Benefits of the modular programs are:
 - ⇒ Possible to respond flexibly to the labor market - develop modules, to acquire the necessary skills in the labor market
 - ⇒ At the end of each module the student has mastered a skill
 - ⇒ Module can be applied to one or more professional qualifications
 - ⇒ Acquiring certain modules package, student can obtain a professional qualification

In collaboration with the Joint Stock Company "Latvian State Forests« (LVM) representatives - employers have developed a professional development program "Forestry« (Reforestation, care, and renewed forest area protection») - people who want to manage the LVM forests. Professional development program designed for 160 hours - distance learning, after ending programme students receive state-recognized documents. OTS also implemented programs such as forestry equipment, anyone can learn the skills to work with forest tractors and get the right to drive tractors. OTS have the programme for students with secondary education - Deforestation car driver

(1560 lessons), forest machine operator; forest machine mechanic (2120 lessons). Programme of deforestation car driver based on learning objects – 1560 lessons, incl. 576 – theory; 299 – practice (140 driving and 105 lessons work on the manipulator) +560 qualification practice. Students got C (20 individual lessons), CE (15 individual lessons), 95 code category driving license - learning process provides by company

Program costs:

OTS rented a car and manipulator - EUR 5000 (per month) -training lasted for 2 months. one student's training paid - EUR 3500, but OTS from the union received EUR 1951 (EUR 1549 – sponsored OTS).

8. Introduction with sawmill “Norupe”

Sawmill processing capacity is 50 000 m³ of round timber per year. The sawmill is processing small-dimension logs of coniferous species (Scots pine and Norway spruce) with diameter at the small end 12-24 cm. At present, sawmill Norupe can process about 1/3 of the annual timber volume harvested in Riga city forests. These forest properties are located in the centre of Latvia, within 50 km from Riga, close to roads and ports. It lowers the transportation costs of raw materials and sawn timber. A large part of the sawmill production is sold in the local market, but export volumes grow as the export market expands both in European Union and beyond its borders (Latvia – 30%, Lithuania 20%, UK- 25%, South Korea 10%, United Arab Emirates – 15%).

Decisions:

1. International meeting in Jyvaskyla Educational Consortium / Jämsä College Finland on October/November 2017

2. Tasks for next period:

- 1) Ogre Technical School continue to work on the practical training evaluation methods using/ adapting 360⁰ spider elements;
- 2) Ogre Technical School evaluate practices that could be implemented outside Latvia;
- 3) Jämsä College and Ogre Technical school consider to sign the memorandum of understanding about cooperation to implement practical trainings;
- 4) Komatsu in cooperation with Ogre Technical School organizes one day event – October/November 2017 forestry machines demonstration;
- 5) Komatsu offers to 1-2 most motivated students of OTS to study in Komatsu factory Finland; Komatsu and Ogre Technical school consider to sign an agreement of cooperation;
- 6) Luua Forestry School aim is to develop curriculum for forest truck drivers; the basis of study plan provides Ogre Technical School;
- 7) Jämsä College develop imitation systems – to train the trainers;
- 8) Luua Forestry School and Jämsä College evaluate the results of adult course.

Ogre Technical School
project coordinator:

Sigita Jasinska

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