



EURO JOINER

Newsletter issue 4

MOBILITY OF WOOD WORKERS
(JOINERS/CARPENTERS) ACROSS EUROPE
2015-1-ES01-KA202-015902



Erasmus+

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Coordinated by:



Partners:



Funded by:



"This project has been funded with support from the European Commission. The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."

1. Fourth Meeting

The fourth transnational meeting took place in **CIP FP CATARROJA**, Vocational Training and Education Centre located in Catarroja (Valencia). The meeting was held in 3rd – 4th November 2016. .



During the first day, partners of the consortium visited the facilities of the centre.

During the meeting the partners revised the activities developed from the last meeting, related to the dissemination activities, the partners decided to change the pictures in the web site for others to collect the aim of the project, identifying the collective objective to the project, young and workers in the sector.



2. Intellectual Output O2

This intellectual output is very important to develop the aim in the project; the aim of this intellectual output is to develop an e-learning open education training course, to do that we need to develop three activities:

Activity one: Elaboration of the learning objectives. Each and every partner will participate in the definition and elaboration of each learning objectives in function of the competences defined. Activity done



Activity two: in this activity every partner will elaborate the training material of the task decided in the intellectual output 2 in function of their specialization.

To do that is very important to analyze the specifications for each training module.

During this fourth meeting we have work analyzing the tasks related with the eurojoiner skills:

- MAKING PREPARATIONS ACCORDING TO PLANS AND TECHNICAL SPECIFICATIONS
- WORKS WITH FOCUS ON SAFETY, ENVIRONMENT, QUALITY AND WELL BEING

EURO JOINER

- WORKS IN A TEAM
- PERFORMS MAINTENANCE OPERATIONS ON MACHINES AND TOOLS
- OPERATE WITH WOODWORKING MACHINERY
- CHECKS (THE STOCK) OF RAW MATERIALS AND OTHER MATERIALS (AVAILABILITY, SHORTAGES, QUANTITY, QUALITY DEFECTS ...)
- INSTALLATION

Of each skill the partners have analyze each tasks :

- Making preparations according to plans and technical specifications
- Doing calculations according to plan and technical specifications
- Planning design drawing and productions processes
- Preparing programs for automated and computer-controlled machines
- Making machines prepared for production
- Identify the main types of wood used in carpentry
- Select wood based products and other materials
- Set-up conventional machining machines
- Program structure for CNC technology (ISO program)
- CNC machines structure and function
- Tools and production equipment
- Hardware and system components
- The control system
- Material properties

- Machinability
- Operate with hand tools
- Operate with woodworking machinery
- Collect and adjust electrical and pneumatic hand tools and auxiliary equipment
- Select glues, fasteners and sealants and arrange their application tools
- Sand parts where needed before assembly
- Joint parts and elements into the assembly according to specifications
- Check and rectify surface alignments after assembly, control quality
- Select and mount hinges, handles, locks and fittings according to specifications
- Prepare the surfaces before applying finishing
- Select and prepare the product (s) for (protective) wood treatment and/or finishing
- Apply the (protective) wood treatment and/or the primer, intermediate and finishing
- Quality control
- Preparing for transport or storing
- Notifies problems/defects to supervisor/person responsible



Task	Activity	Resource	Category	Sub-category
1. Making preparations according to plans and technical specifications	• A joiner reads and verifies the design plan • A joiner reads and verifies the technical specifications • A joiner selects the most suitable material according to the plan • A joiner identifies the grain direction of the material • A joiner knows the place of furniture to add electrical and electrical accessories on	Joining Construction Material Material Joining	Material Material Material Material Material	Material Material Material Material Material
2. Making calculations according to plan and technical specifications	• A joiner transforms measurements • A joiner knows the type of measurement according to the nature of material	Measurements Measurements	Material Material	Material Material
3. Planning design drawing and productions processes	• A joiner knows the most suitable construction approach related to the work • A joiner knows the most suitable way of working related to the work • A joiner knows the accessories to be added on the production	Joining Technology and construction Material Material	Material Material Material Material	Material Material Material Material
4. Preparing programs for automated and computer-controlled machines	• A joiner knows how to program on MC and CNC machines	Material Material	Material Material	Material Material
5. Making machines prepared for production	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
6. Identifying the main types of wood used in carpentry	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
7. Selecting wood based products and other materials	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
8. Set-up conventional machining machines	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
9. Program structure for CNC technology (ISO program)	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
10. CNC machine structure and function	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
11. Tools and production equipment	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
12. Hardware and system components	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
13. The control system	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
14. Material properties	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material
15. Machinability	• A joiner knows the nature of material to be used	Material Material	Material Material	Material Material

- Inspection of work place
- Preparation and supervision of materials
- Preparing on-site
- Fitting of elements
- Installation of all elements
- Fitting of shelf units and iron fittings
- Repainting and adjusting joinery elements
- Quality and control

- Quality and esthetic control
- Coordinates the work with the rest of the team
- Presents the results of the work carried out according to the manufacturing orders
- Applies the rules of safety and occupational health throughout the process
- Performs maintenance of hand tools and conventional machines
- Fills in the daily report of manufacturing orders
- Applies the quality standards at workplace
- Controls the quality of the finished product

Of each task the partners have select the contents to develop, avoiding duplication.

To elaborate the training material the partners we will use pictures and videos to show the use and the description and function for of machines in the same way to show the process of installation and elaboration of parts and assemblies

3. Intellectual Output O3

We decided to prepare the questionnaire with multiplier choice

	weights	yes, totally	yes, partially	no, not at all	total	total	total
1. Do you check safety and health standards to operate with hand tools?	20%	5.00	0.00	0.00			
2. Do you use wood pieces according drawings and plans?	20%	5.00	0.00	0.00			
3. Do you use planes for setting, planing, routing and corner chamfers?	20%	5.00	0.00	0.00			
4. Do you use drills and planes to make chamfers, grooves and rabbets?	20%	5.00	0.00	0.00			
5. Do you sand wood pieces using different techniques and types (abrasives)?	20%	5.00	0.00	0.00			

4. Further steps:

In the intellectual output 2

ACTION 02: Development of the training material

ACTION 03: Translation of the training material. Each partner will translate the learning material into their own official language.

ACTION 04: Inserting the training modules in Moodle Platform. Defined and translated the contents, upload the training material in the Moodle platform.

ACTION 05: Pilot test of the training course, Each and every partner will carry out a pilot course to evaluate the contents and the results of the project

In the intellectual output 2

Action 01: Define the Theoretical and practical questions to test if a student or a worker has the knowledge and the Skills related to the ERUOJOINER competences defined in the Intellectual Output 01.

Action 02: To define the possible answers related with the questions defined in the action 01.

Action 03: Elaborate the ICT SELF-evaluation tool..



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