

# InnovaWood GA 2016

## Thematic Group Education & Training

*Montpellier, France*

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# Thematic Group E&T



1. **Composition of the Thematic Group E&T**
2. **On-going actions 2015.**
3. **Working Group 01:** Erasmus+ Programme.
4. **Working Group 02:** Vocational Education & Training subgroup.
5. **Working Group 03.**
  - Mapping of Vocational Education & Training (VET) organizations in the FBI sector in Europe.
  - Mapping of High Level organizations in the FBI sector in Europe.
6. **Working Group 04.**
  - Marie Skłodowska-Curie Actions.
  - Collaboration with Education and Training establishments.
7. **Working Group 05:** Summer School.
8. **Working Group 06:** International Master course coordinated by AIDIMA

*University of Ljubljana*

# Thematic Group E&T

## 1. Composition:

The E&T Thematic Group is composed by **experts** whose intention is to **enhance the benefits** that stem from this group:

1. Ms. C. AMO – IW E&T Thematic Group co-leader from AIDIMA (Spain)
2. Mr. S. MEDVED – IW E&T Thematic Group co-leader from the University of Ljubljana (Slovenia)
3. Mr. Mark IRLE – Research Director at Groupe ESB (France)
4. Ms. M. LLAUDES – Head of Training Dept. of AIDIMA (Spain)
5. Mr. A. VASCONCELOS – Director of Centro De Formação Profissional Das Indústrias Da Madeira E Mobiliário (Portugal)
6. Mr. Ivica GRBAC – Professor University of Zagreb (Croatia)

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## 2. On-going actions 2015: FURNITURE NEW SKILLS IN THE EUROPE 2020.

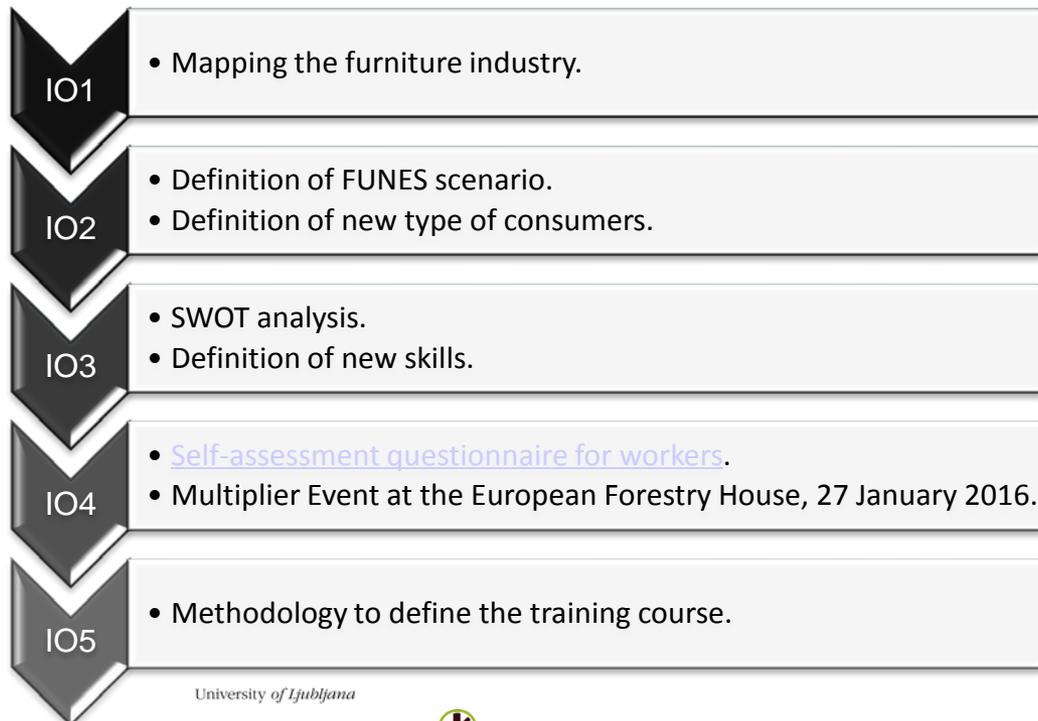
Partners from InnovaWood.



Coordinated by Thematic Group E&T.



Key Action 2: Cooperation and Innovation for Good practices.



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## 3. Working Group - Erasmus+ Programme:

**Objective:** bring positive and long-lasting effects on the participants and participating organisations involved, as well as on their policy systems.

### Key Action 1: Learning mobility of individuals.

- **Mobility of learners and staff.**

Mobility for...	Who?	What?	Next call
Higher education students and staff	Students Staff	<ul style="list-style-type: none"> <li>•Study period</li> <li>•Traineeship (work placement)</li> <li>•Teaching periods</li> <li>•Training periods</li> </ul>	<ul style="list-style-type: none"> <li>•February 2017</li> <li>•Possible : 15/09/16</li> </ul>
VET learners and staff	Learners Staff	<ul style="list-style-type: none"> <li>•VET traineeship</li> <li>•Teaching/training assignments</li> <li>•Staff training</li> </ul>	<ul style="list-style-type: none"> <li>•February 2017</li> </ul>
Adult education staff	Staff	<ul style="list-style-type: none"> <li>•Mobility</li> </ul>	<ul style="list-style-type: none"> <li>•February 2017</li> <li>•Possible : 04/10/16</li> </ul>
Young people and youth workers	Youngsters	<ul style="list-style-type: none"> <li>•Youth exchanges</li> <li>•European Voluntary Service</li> <li>•Mobility of youth workers</li> </ul>	<ul style="list-style-type: none"> <li>•26/04/16</li> <li>•04/10/16</li> </ul>

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## Key Action 1: Learning mobility of individuals.

- **Erasmus Mundus Joint Master Degrees:** High-level integrated international study programme delivered by an international consortium.

Applicant	Consortium	What is funded	Next call
An HEI	<ul style="list-style-type: none"> <li>•HEIs</li> <li>•SMEs</li> <li>•Research institutes</li> <li>•Public bodies</li> <li>•Non-profit organisation</li> </ul>	<ul style="list-style-type: none"> <li>•15 students scholarships holders</li> <li>•4 invited guest lecturers</li> </ul>	•February 2017

- **Erasmus+ Master Loans:** HE students who want to complete a Master in another country.

Applicant	What is funded
Student	•12.000€

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## 3. Working Group - Erasmus+ Programme:

### Key Action 2: Cooperation for Innovation and the exchange of Good Practices

Activity	What?	Duration	Next Call
<b>Strategic Partnerships in the field of education, training and youth</b>	<ul style="list-style-type: none"> <li>•Innovative practices</li> <li>•Recognition and validation of knowledge, skills and competences</li> <li>•Cooperation</li> </ul>	<ul style="list-style-type: none"> <li>•24 months</li> <li>•36 months</li> </ul>	<b>•31/03/2016</b>
<b>Knowledge Alliances</b>	<ul style="list-style-type: none"> <li>•Boosting innovation</li> <li>•Developing entrepreneurship mind-set and skills</li> <li>•Stimulating the exchange of knowledge between HE and enterprises</li> </ul>	<ul style="list-style-type: none"> <li>•24 months</li> <li>•36 months</li> </ul>	•February 2017
<b>Sector Skills Alliances</b>	<ul style="list-style-type: none"> <li>•Skills needs identification</li> <li>•Designing / Delivering European vocational core curricula</li> </ul>	<ul style="list-style-type: none"> <li>•24 months</li> <li>•36 months</li> </ul>	•February 2017
<b>Capacity Building in the field of HE</b>	<ul style="list-style-type: none"> <li>•Curriculum development</li> <li>•Modernisation of governance of HEIs</li> <li>•Strengthening relationship between HEI and economic/social environment</li> </ul>	<ul style="list-style-type: none"> <li>•24 months</li> <li>•36 months</li> </ul>	•February 2017

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## 3. Working Group - Erasmus+ Programme:

### Key Action 3: Support for Policy Reform

- Structured Dialogue: meetings between young people and decision-makers in the field of youth.

### Key Action Jean Monnet

- These Actions aim at promoting excellence in teaching and research in the field of European Union studies worldwide.
- Also aim at fostering the dialogue between the academic world and policy-makers, in particular with the aim of enhancing governance of EU policies.

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## 3. Working Group - Erasmus+ Programme:

### Implementation:

1. Classification of interested attendees by themes of own interest or expertise: green skills, digital skills, wood construction, wood working, wood science...
2. Assignment of **one representative per theme** that will lead to a proposal in the next call.

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## 4. Working Group - Vocational Education & Training subgroup:

### Objective

- Creation of a working group that provides an **observatory** to identify **innovative trends** that should be transformed into **skills and competences** to maintain a pertinent level of professional qualifications in the sector.
- Via the subgroup more VET centres will be attracted.

# Thematic Group E&T

## 4. Working Group - Vocational Education & Training subgroup:

### Implementation:

1. Extension of the E&T panel of experts that will gather all representative stakeholders from:
  - Universities and R&D centres (forestry, construction, furniture), VET centres of both intermediate and higher level (wood, furniture, construction and upholstery)
  - Business associations
  - Trade unions and social agents
  - Representative companies at European level
2. Establishment of a Webinar every 6 months to share results of :
  - Questionnaires with :
    - Key questions from which **trends** will be highlighted. This observatory will identify **innovative trends of the evolution of the forestry, furniture and construction sector.**
    - Question for analysis of European projects carried out both under the umbrella of InnovaWood and general European projects, whose **findings or results** should also provide **information of trends and developments in the sector** in the coming years or distant future.
3. These key results will be transferred to IW Boards for decision-making and share with VET centres.

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## 5. Working Group - Mapping of Vocational Education & Training (VET) organizations in the FBI sector in Europe.

**Objective:** Creation of a **Mapping of VET institutions** in the FBI sector in Europe and classification by the type of studies and level that they provide (forestry, timber, wood construction, furniture...).

### Implementation:

1. Identification of **VET institutions in the FBI sector in Europe.**
2. Preparation of a **questionnaire** and sending it to each of these identified centres. The first questionnaire will be about the **type of studies they provide and their level.**
3. **Classification of these centres by type of studies.**
4. Enquiry about whether they are interested in sending or receiving students or teachers (staff) provided InnovaWood organizes a mobility activity through Erasmus+ Key Action 1.
5. Letter of invitation to see if they are interested to join IW (**During workshop → support of national IW members to send invitations**)

# Thematic Group E&T

## 5. Working Group - Mapping of Higher Education organizations in the FBI sector in Europe.

**Objective:** Creation of a Mapping of Higher Education organizations in the FBI sector in Europe and classification by the type of studies (forestry, timber, wood science and technology, wood construction, furniture...) and level (BSc, MSc, PhD) that they provide.

### Implementation:

- Identification of Higher Education organisations in the FBI sector in Europe.
- Preparation of a questionnaire and sending it to each of these identified organisation. The first questionnaire will be about the type of studies they provide and their level.
- Classification of these organisations by type of studies.
- Enquiry about whether they are interested in sending or receiving students or teachers (staff) provided InnovaWood organizes a mobility activity through Marie-Curie actions or Erasmus+ Key Action 1.
- Letter of invitation to see if they are interested to join IW.

# Thematic Group E&T



## List of prioritization for inviting new members

Along with the cooperation of current IW members, invitation to:

-  **AUSTRIA:** Graz University of Technology, Institute for timber engineering and wood technology
-  **BULGARIA:** University of Forestry – Sofia.
-  **CZECH REPUBLIC:** Česká zemědělská univerzita v Praze, Faculty of Forestry and Wood Sciences
-  **FINLAND:** Seinäjoki University of Applied Sciences, School of Wood Technology
-  **FRANCE:**
  - ENSTIB d’Epinal
  - LaBoMaP – Arts et Métiers ParisTech Cluny
-  **GERMANY:** Holzforschung München
-  **ITALY:** VET School ISIS-IPSIA G.Meroni. Lissone
-  **POLAND:** Faculty of Wood Technology, Szkoła Główna Gospodarstwa Wiejskiego w Warszawie
-  **SPAIN:**
  - University of Vigo. Engineering School Forestry.
  - VET Centre of Catarroja. Valencia.
-  **SWEDEN:** Wood Science and Technology, Lulea University of Technology, Skellefteå.

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## 6. Working Group - Marie Skłodowska-Curie Actions.

### Objective:

- Career founding for mobile researchers:
  - *Researchers in different stages*
  - *All domains: from research to innovation, from basic research to market take-up and innovation service*
- Calls open to:
  - *Individual (researcher and innovation staff)*
  - *Universities*
  - *Research institutes*
  - *Business (SME's and large)*
    - *collaborate with research organisations*
    - *have access to equipment only found in academic institutions*
    - *associate some of the highly skilled researchers found in academia with the research projects of the company*
  - ...

# Thematic Group E&T

## 6. Working Group - Marie Skłodowska-Curie Actions.

### Types of MSCA:

- **Research networks (ITN)**
  - *Less than 4 year of research experiences (PhD candidate, ESR)*
- **Individual fellowship (IF)**
  - *More than 4 year of research experiences or doctoral degree*
- **Research and Innovation Staff Exchanges (RISE)**
  - *Less than 4 year of research experiences (PhD candidate, ESR)*
  - *More than 4 year of research experiences or doctoral degree*
  - *Management or technical staff*
- **Co – founding of regional, national and international programmes (COFUND)**
  - *Less than 4 year of research experiences (PhD candidate, ESR)*
  - *More than 4 year of research experiences or doctoral degree*
- **European Researchers' Night (NIGHT)**

**Budget:** Estimated: 6.16 billion €

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# Thematic Group E&T

## 6. Working Group - Marie Skłodowska-Curie Actions. Innovative Training Networks (ITN)

### Objective:

- High doctoral – level training
- Boosting scientific excellence, business innovation, enhancing researchers career prospects
- bring together universities, research centres and companies from different countries

### Implementation:

- European Training Networks (ETN): joint research training, at least three partners from in and outside academia
- European Industrial Doctorates (EID): joint doctoral training, at least one academic partner (entitled to award doctoral degree) and at least one partner outside academia (enterprise)
- European Joint Doctorates (EJD): at least three academic organisations, delivering joint, double or multiple degrees, promote international, intersectoral and multi/interdisciplinary collaboration in doctoral training in Europe

**Budget (2016): ≈ 370 M€**

**Call date: 12.01.2016**  
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## 6. Working Group - Marie Skłodowska-Curie Actions. Individual Fellowships (IF)

### Objective:

- Experienced researcher
- Enhancing career development and prospect by working abroad
- Help at return and reintegration

### Implementation:

- European Fellowship: EU and associated countries
- Global Fellowship: outside Europe

**Budget (2016): ≈ 218.5 M€**

**Call date: 14.09.2016**

# Thematic Group E&T

## Topics

- Chemistry
- Social Sciences and Humanities
- Economic Sciences
- Environmental Sciences and Geology
- Information Sciences and Engineering
- Life Sciences
- Mathematics
- Physics

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Possibilities for the Individual Fellowships – IF-2016:



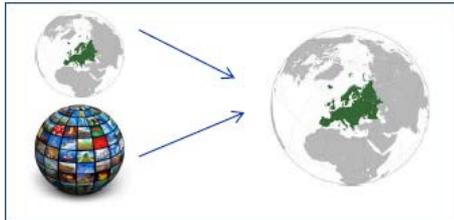
**For fellows from Europe going to Third countries and returning**



# Thematic Group E&T

Mobility rule – IF-2016:

## European Fellowships



- IF: Individual Fellowships
  - EF – ST: Standard European Fellowship
  - EF – CAR: Career Restart Panel
  - EF – RI: Reintegration Panel
  - GF: Global Fellowship

### STANDARD EUROPEAN FELLOWSHIP

- ER of any nationality must move or have moved from any country to the MS or AC where the host institution is located
- Mobility rule: not have resided or carried out his / her main activity in the country of the host institution for more than 12 months / 3 years prior to the call deadline
- Duration of the project: 12 - 24 months (secondments included)

### CAREER RESTART PANEL (CAR)

- Support to researchers who **want to resume research in Europe after a break in research**
- ER of any nationality who must move or have moved from any country to the MS / AC where the host institution is located
- Break in research: **not active in research for at least 12 months** prior to the deadline of submission (10/09/15)
- Multidisciplinary Panel
- Duration of the project: 12-24 months

### REINTEGRATION PANEL (RI)

- Support to researchers who want to **return and reintegrate in a longer term research position in Europe**
- Mobility **from a Third Country to a MS / AC** where the host institution is located
- ER eligible: **nationals or long-term residents of a MS / AC** (min. 5 consecutive years carrying out research in 1 or more MS / AC)
- Multidisciplinary Panel
- Duration of the project: 12-24 months

Specific mobility rule CAR/RI: no more than 36 months out of the 5 years previous to the Call deadline

# Thematic Group E&T

## 3. Future Actions

Mobility rule – IF-2016:

Global Fellowships



- IF: Individual Fellowships
  - EF – ST: Standard European Fellowship
  - EF – CAR: Career Restart Panel
  - EF – RI: Reintegration Panel
  - GF: Global Fellowship

- Duration: 12-24 months, outgoing phase in a TC + 12 months returning phase in Europe.
- ER eligible: nationals and long-term residents in MS / AC**
- Mobility from any country to the TC of the outgoing phase
- Mobility rule to be fulfilled in the TC of the outgoing phase**
- Minimum participation: 1 beneficiary in MS / AC (host institution) + 1 Partner Organisation in TC
- Letter of Commitment** from Partner Organisation in TC compulsory

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Financing – IF-2016:

MSCA	Researcher Unit Cost (person/month)			Institutional Unit Cost (person/month)	
	Living Allowance *	Mobility Allowance	Family Allowance	Research, training and networking	Management and overheads
IF	4.650	600	500	800	650

- Budget pre-calculated by EC, base on unit costs
- 100% financing**, “flat rates”
- Living Allowance*:
  - ✓ country correction factor applies (host country)
  - ✓ Gross EU contribution: 55.800€ / year(- cuota patronal, - taxes, - S.S...)
- Family Allowance*: determined at the submission deadline.

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## 6. Working Group - Marie Skłodowska-Curie Actions. Research and Innovation Staff Exchange (RISE)

### Objective:

- Short – term exchange of staff in order to gain experiences in different work environment (academic, private sector, etc)
- Any career level
- Universities, research centres or companies (SME's)

### Implementation:

- Joint research and innovation project: at least three partners, at least three different countries (at least two from EU or associated countries)
- Intersectoral

**Budget (2016): ≈ 80 M€**

**Call date: 28.04.2016**

# Thematic Group E&T

## 6. Working Group - Marie Skłodowska-Curie Actions.

### Co-funding of regional, national and international programmes (COFUND)

#### Objective:

- Founding (additional) of research mobility programme in order to expand or enhance international and intersectoral dimension
- Government ministry, regional authority, funding agency, university, research organisation, research academy or enterprise

#### Implementation:

- For organisations that fund or manage doctoral programmes or fellowship programmes for researchers
- Co-funding new or existing regional, national, and international programmes to open up to, and provide for, international, intersectoral and interdisciplinary research training, as well as transnational and cross-sectoral mobility of researchers at all stages of their career
- Doctoral programme
- Fellowship programmes: individual research training for experienced researchers

**Budget (2016): ≈ 80 M€**

**Call date: 29.09.2016**

# Thematic Group E&T

## 6. Working Group - Marie Skłodowska-Curie Actions. European Researchers' Night (NIGHT)

### Objective:

- Bringing research closer to general public
- Legal entity that is capable of organising the event

### Implementation:

- Organising Researchers Night event on last Friday in September (usually)

**Budget (2016): ≈ 8 M€**

**Call date: 13.01.2016**

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## 6. Working Group - Collaboration with Education and Training establishments.

**Objective:** Creation of possibility for collaboration between educational organisation (technical schools, faculties (applied science and university level) and training organisation (institutes, industries).

- bring the educational and training organisation closer together
- better transfer of knowledge from theory to practice and vice versus
- exchange experiences (best practice approach)
- exchange of experts (staff) and students between educational organisation and training organisation
- enabling to work on state of the art equipment

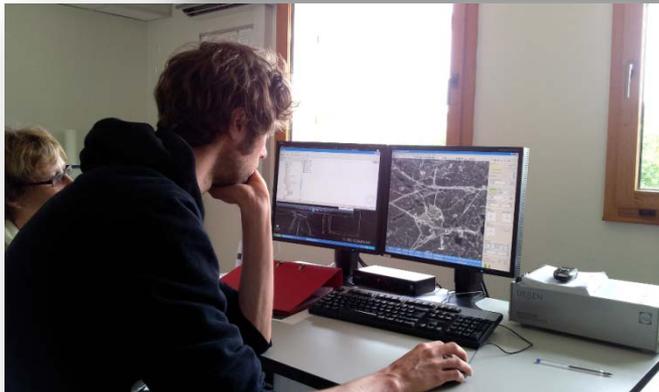
### Implementation:

- Enquiry about whether they are interested in collaboration
  - *Training Schools/Workshop*
  - *Staff/student exchange*
  - *Research project*
- Organisation of TS/WS
- Webinar

# Thematic Group E&T

## 7. Working Group: Summer School

### Using an ESEM



# Draft programme

Date	Time	Event
Tuesday 21 <sup>s</sup> June	Morning:	Introduction to operating ESEM
	Afternoon:	EDAX analysis
Wednesday 22 <sup>nd</sup> June	Morning:	Analysis of specimens of participants 1&2
	Afternoon:	Analysis of specimens of participants 3&4
Thursday 23 <sup>rd</sup> June	Morning:	Analysis of specimens of participants 5&6
	Afternoon:	Course summary, review and prize giving for best image

## Practical Information

- €900/person (€750 for SSP members)
- The course fee would include lunches and coffee, but, not evening meals nor accommodation
- Maximum of 6 participants
- €100 non-refundable deposit to guarantee place

## 7. Working Group: An International Master course coordinated by InnovaWood

- **Context**
  - *Demand for Master level course present but insufficient to establish a course*
- **Solution**
  - *Several institutes combine their resources and students to create a viable course*
  - *Course in English*
  - *Delivered physically and on-line*
  - *InnovaWood members have the skills and resources necessary to create and run such a course*

## Why organise an International Master?

- **Alone**
  - *Teaching in English*
    - *A module or 2 but a whole course?*
- **In a consortium**
  - *Administrative obstacles*
    - *Diploma*
    - *Pre-requisites*
    - *Duration*
  - *Fees*
    - *Who to receive and how much?*
  - *Logistic difficulties*
    - *Staff/student travel*
    - *Accommodation*

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## Why NOT organise an International Master?

- **Potential solutions**

- *At least 3 institutes providing 2 modules and a workshop each*
  - *Modules taught at institute and streamed onto web*
  - *Week long workshops designed and delivered by each institute that are attended by all students*
  - *If many institutes then some modules optional, i.e. students can tailor to their needs*
- *Each participating institute **register their students and award their diploma***
- *Institute charges their normal fees*

# An example

## Available modules

- **Ecole Supérieure du Bois, Nantes**
  - *Modules*
    1. *Wood-based panel manufacture*
    2. *International Timber Trade*
  - *Workshop*
    - A. *Panel manufacture at the laboratory scale*
- **Bern University of Applied Sciences**
  - *Modules*
    3. *Timber construction*
    4. *Sawmilling*
  - *Workshop*
    - B. *Sawmilling practice*
- **Ghent University**
  - *Modules*
    5. *Wood anatomy and identification*
    6. *Wood chemistry and physics*
  - *Workshop*
    - C. *Assessing the weathering of wood*
- **Ljubljana University**
  - *Modules*
    7. *Biodeterioration of wood*
    8. *Wood preservation*
  - *Workshop*
    - D. *Monitoring building performance*

## Student choices

- **An ESB student**
  - *Modules*
    - *Physically: 1, 2*
    - *On-line: 4, 6, 7, 8*
  - *Workshops: A + B*
- **A Bern student**
  - *Modules*
    - *Physically: 3, 4*
    - *On-line: 1, 6, 7, 8*
  - *Workshops: B + D*
- **Ghent student**
  - *Modules*
    - *Physically: 5, 6*
    - *On-line: 2, 4, 7, 8*
  - *Workshops: C + D*

# Thematic Group E&T

**THANK YOU VERY MUCH**

**Ms. Cecilia AMO**

**Mr. Sergej MEDVED**

**Mr. Mark IRLE**