ENGINEERING MOBILITY IN EUROPE for all (EMEU4ALL)

Kick-off Conference
Horizon College, Hoorn
1-2 December 2016

Grensverleggend

EMEU4ALL

Engineering Mobility in Europe

Erasmus+

WELCOME

Anja Grootoonk
Member of the Board
ROC Horizon College

René van Schalkwijk
Member of the Board
ROC Horizon College

Frans van Schaik
International coordinator
Projectmanager EMEU4ALL

HORIZON COLLEGE

LOOKING BEYOND OUR HORIZON

A shared vision

“ All students should be offered the opportunity to be “internationally” active (mobility).

Obstacle
Erasmusplus subsidies do not fully support our ambition

Solution
Mobility has become **Learning** Mobility

Learning Mobility
- Physical mobility
- Virtual Mobility

BENEFICIARIES of OUTGOING and INCOMING MOBILITY

STUDENTS

COLLEGE

- insight into VET Education and Industry in Europe
- Increase sensitivity towards Changes, Challenges & Chances
- Develop (together) modern, attractive education
- Help develop a college's own strategy for Education in an International Context

WORKING LIFE

- Insight in developments in EU countries
- Stimulates communication with EU companies
- Opens up opportunities for visits to and fro
- Opens up markets for their products
- Has clearly a positive effect on their own staff (sensitivity)

EMEU4ALL

Engineering Mobility in Europe

Erasmus+

LEARNING MOBILITY

2 Virtual Mobility Activities

2 Modules (EMEU)

Work experience

ECVET

Industry

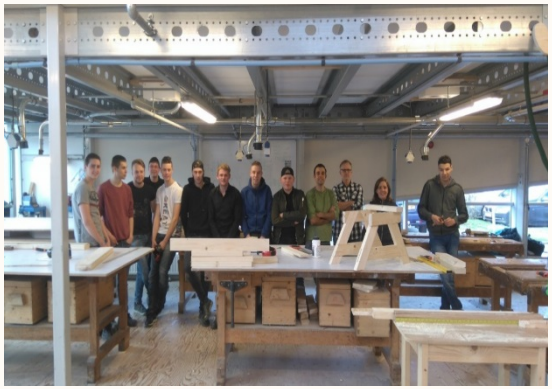
Website

http://em-eu.eu

HORIZON COLLEGE

VIRTUAL MOBILITY CRITERIA

1. Need for communication between students
2. Task within their vocational context
3. Lead to validation (embedment)



Design a BENCH / PICNIC table

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Engineering Mobility in Europe

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THE STUDY MODULE and ECVET

Modules | Before mobility | Showcases | Sectors | Partners | The EMEU network

Modules

Select modules:

ACTIVE | ARCHIVED

List of selected modules:

NL

How to make a 3D printer
30.01.2017 - 17.02.2017 / Sign up before 23.12.2016 / Open
Hoorn / Netherlands / Intermediate
>>>

NL

Oval table with marquetry
27.02.2017 - 13.04.2017 / Sign up before 30.01.2017 / Open
Heerhugowaard / Netherlands / Intermediate
>>>

FI

Basics of painting and renovating buildings
07.03.2017 - 24.09.2016 / Sign up before 31.12.2016 / Open
Jyväskylä / Finland / Beginner
>>>

FI

Industrial Automation, PLC and Robot Applications
20.03.2017 - 07.04.2017 / Sign up before 03.02.2017 / Open
Kuopio / Finland / Intermediate
>>>

English levels

Check your English level here

>>>

CV and motivation letter

See how you write your CV and a motivation letter to the desired college.

>>>

Module elements/units:

1.
Making a 3D model in Inventor according to a technical 2D drawing.

2. Assembling an calibarting a 3D delta printer.

3. Making your own 3D print.

Knowledge:
The student identifies

1. the difference between a 2D drawing and a 3D drawing

2. specific functions in Inventor necessary for 3D modeling

3. specific instructions to convert the 3D Inventor drawing into printable files of a 3D printer

4. 3D printer calibration software

Skills:
The student

- can explain the difference between a 2D and a 3D drawing
- is able to apply specific functions in Cura to convert a 3D drawing into printable parts of a 3D printer
- can use a 3D printer to print parts
- can assemble printed and prefab parts to make a fully functional 3D printer

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Competence:
The student

- manages work-related instructions in English;
- attends and interacts actively during all lessons of the module program;
- works actively in pairs;
- is able to work accurately, effectively and efficiently;
- is conscious of the need for quality in all stages of the process;
- is able to transfer his knowledge and skills to his/her product to a peer group;

How to make a 3D printer

College: Horizon College
Educational field: Mechanical Engineering
Duration: 3 weeks at college /
Start: 30-01-2017 **End:** 17-02-2017
Enrolment deadline: 23-12-2016

Sign Up Information

Name

Address

Town

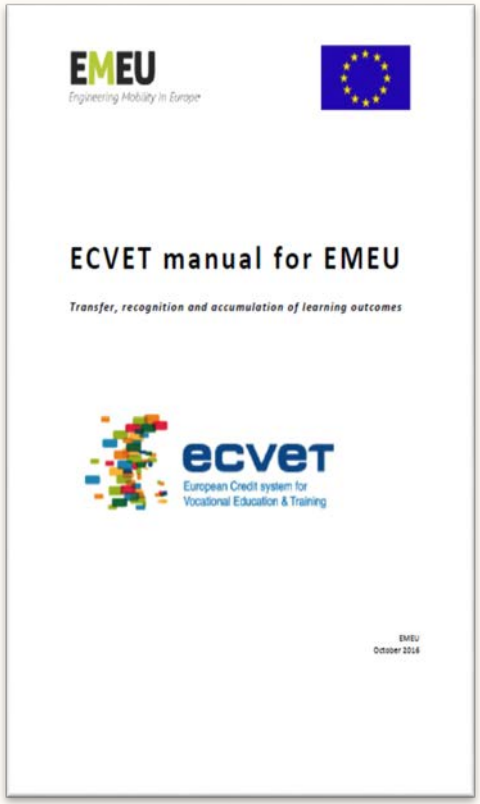
Country

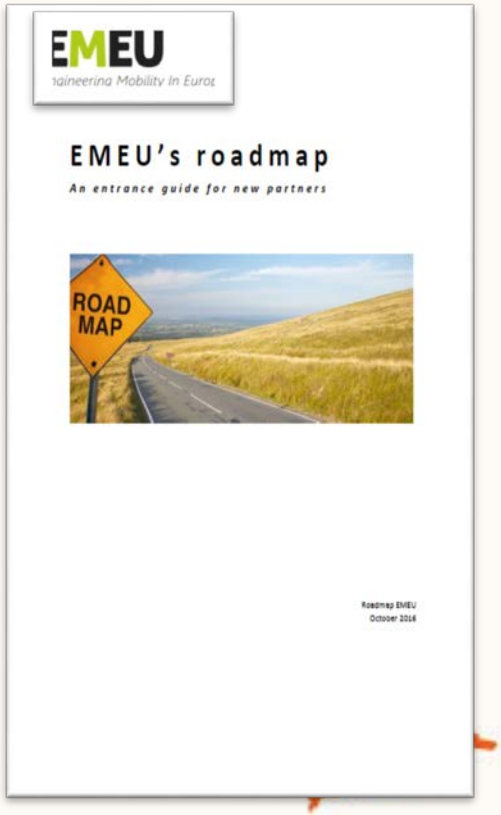
Phone

Email

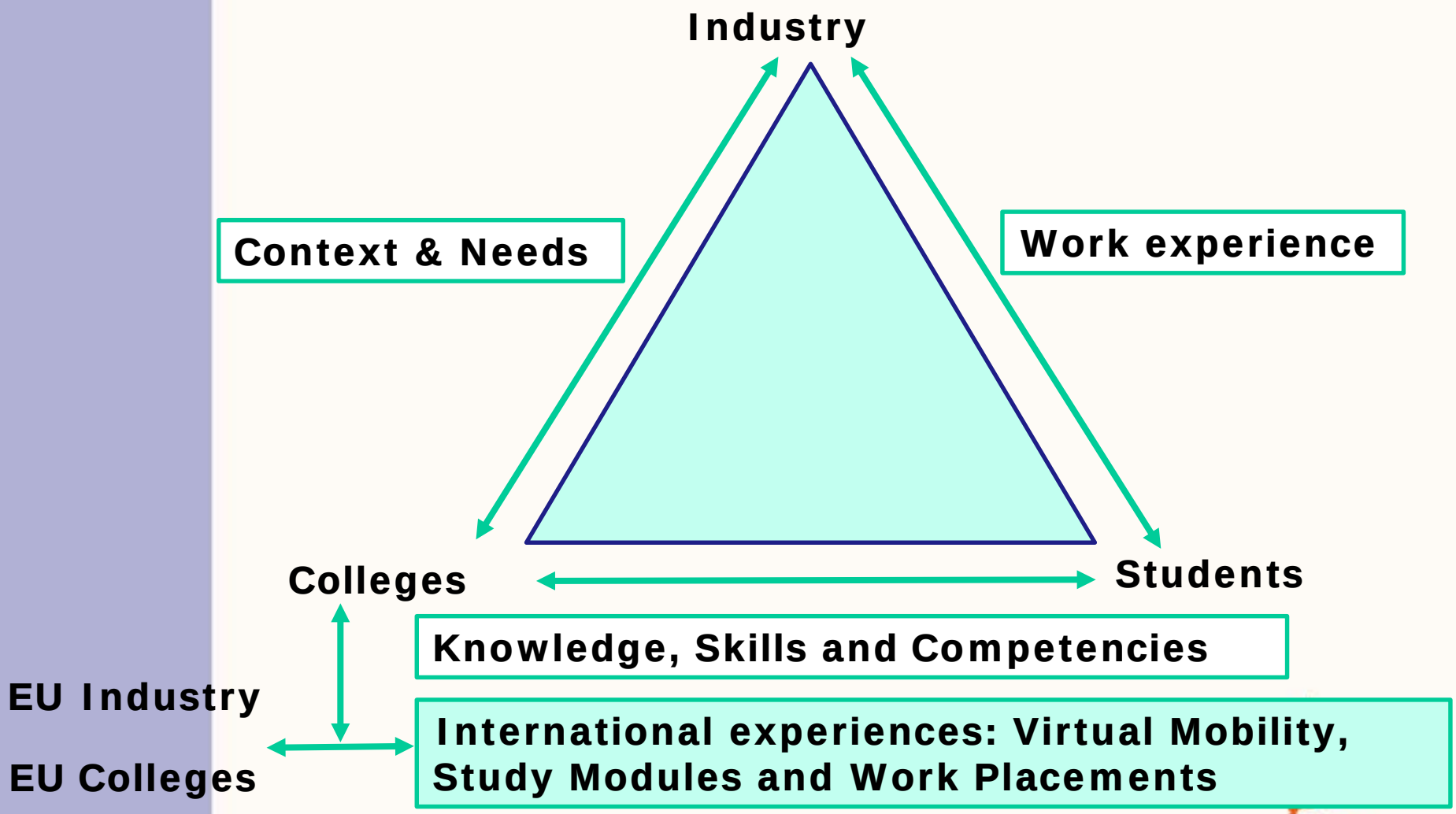
Support

Specialists, EMEU partners, EMEU Website and Manuals





Five major stakeholders



Discussion

09.30	Work session 1 Cooperation between Industry and Education	Blood Groups (BGs)
10.15	Results of Work session 1	Plenary

Questions

How can Education and Industry work together in the development of the study modules and the virtual assignments?

What does Industry need to gain an insight into the development of their line of business in the EU?

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Engineering Mobility in Europe

Erasmus+

Jan Snel, painting company

Work Experience Finnish students

STUDENTS

FINAL IMPACT

A Warm house

HORIZON COLLEGE

BREAK

10.45	The structure of the study module and ECVET (manual)	Plenary	Jon Harding Rea Tuominen, Jyväskylä College

10.45 – 11.30	The structure of the study module and ECVET (manual)	Plenary	Jon Harding Rea Tuominen, Jyväskylä College
11.30	Work session 2 Exchange of ideas for study modules		Blood Groups
12.30	Lunch		ALL

LUNCH

13.30	Work session 3 Exchange of ideas for study modules	BGs	ALL
15.30	The EMEU4ALL website	Plenary	Louise Okon Willie, Aarhus Tech
16.00	Summary and end of Day 1 program	Plenary	Jon Harding

EVENING PROGRAM

17.30	Pick up at hotel For Circus et Panem	All	Transport organized by Dutch participants

Program DAY 2

08.45	Welcome and introduction program day 2	Plenary	Jon Harding / Frans van Schaik
09.00	Introduction to Virtual Mobility	Plenary	Ute Schmitt Dick Appel

Program DAY 2

09.30	Work session 4 Exchanging ideas for virtual mobility activities	BGs	Extra: Choosing the BG leader
11.30	Results of work session 4	Plenary	Jon Harding
12.00	Quality Assurance: Evaluating the kick-off meeting	Plenary	Jon Harding
	End of meeting		Frans van Schaik
12.15	Lunch		
13.15	Company visits		

EMEU4ALL organization and cooperation

Project Manager and Steering Group

Project management
ECVET, Virtual Mobility,Quality Assurance
EMEU4ALL Website

BloodGroups (+ BloodGroup Leaders)

Health Care, Social Care, Marketing, Sports, Retail and Catering

Representatives from working life

EMEU4ALL CHALLENGES

Comparing and matching the EU partners' educational programs

Developing attractive modules

Understanding and applying ECVET

Developing Virtual Mobility activities

Embedding all products into our curricula

Satisfying the needs of **all** stakeholders