

Declic'In

Meeting n°2

Asbl Droit et Devoir



Mons - Belgium

Meeting 3, 4 april 2013

Partners

Droit et Devoir Asbl: Samawi Bouchaïb, Anna-maria Toscano, Nehrou Abdelmoughit, Saïd Bikikre, Miloud Kassid, Nadine Lubanzadio, Cristina Aguirre and trainees (BE).

CEPS: Oscar Martínez, Mariana Pfenninger (ES)

Nieuwland Automatisering BV: Kars Kamp, Meijer B – Van Lith, René Van Corven (NL)

BBAG: Klaus Schmidt, Bernd Stiebtz (DE)

TimeLab: Suzanne Hendrikse (BE)

FormaLab, Greta du Velay: Jérôme Combaz, Mathieu Gauzins & Pierre Carrolaggi (FR)

U-Mons: Service of Micro electronic, Prof. Valderrama represented by Mr. Dualibe and students (BE)

3 april 2013

Meeting place : Mundaneum - Archive Centre of the French Community of Wallonia-Brussels and Temporary Exhibition Space, 76 rue de Nimy - 7000 Mons – Belgium

1) Presentation of partners

Declic'Industry wants to motivate young learners to be trained and to look for employment in the industry.

The first objective is to create together a model of career guidance that is based on the experiences in each country. Three kind of jobs are possible : Builder/assembler of 3D printers, designer and maker of 3D objects, and maintenance and repairing of 3D printers.

A second objective is to develop and strengthen links with the technical high schools, vocational schools and production companies locally and at European level. This intends to encourage the mobility of trainees and future employees.

3D printing is a technology that generates employment

Around this project, trainees will learn to work in teams and develop skills and professionals "know-how" existing in industrial systems, from design to automation.

There will be exchanges at European and local level with other learners who participate in training programs in technical high schools and other exchanges between teachers and technical instructors. Visits to places of technical training and production companies are also on the program.

In each country, concrete objectives are:

- 1) assembling a 3D printer
- 2) using it
- 3) developing links with the economic environment and companies
- 4) sensitize students to job opportunities in manufacturing companies, with or without additional training

To support our goals 3 and 4, meetings with technical trainers and self-employed workers as well as visits of vocational schools and production companies and local events will be organised.

2) State of the art of the project

Droit et Devoir Asbl

Activities already carried out by a pilot group of trainees: visit of an exhibition at the Grand Hornu Image to discover 3D Printer, visit to our partner Timelab, looking for information on the 3D printers, presentation of the research to the group (oral presentation), discover of the printer RapMan, assembling the printer, using of the printer, printing objects, technical English courses (for the translation of the manuals).

Greta du Velay

Half a day a week, a group of trainees has built a 3D printer (that was introduced last November by Emmanuel Gilloz, a FoldaRap). It remains to document their work.

CEPS

A printer has been assembled by a group of female learners (rythm= 1 day per week). There is a questioning around the next activities to maintain the group.

BBAG

No fixed schedule with respect to the purchase of a 3D printer. Negotiating with the Chamber of Commerce. The printer remains a pedagogical tool.

Timelab

The 3D printer is built and a space has been created for use. Users are people who use the Timelab space.

3) Press Conference

By Mr. Samawi B. And Mr. Carrolaggi

Press: locale TV (Télé M.B), newspapers « La Province », « la Dernière Heure », « Agence Belga », Radio Contact, RTBF Radio.

Objective: first local communication at local level for the Leonardo project « Declic'Industry ».

Subject: 3D printing, a reservoir for employment

Topics:

Droit et Devoir

- opening the field of compétences towards innovative jobs, development of creativity,
- fighting lack of motivation in VET

- identify the appropriate leverages for a successful vocational path

Declic'Industry

- Context
 - Economic crisis

 - jobs that disappear

 - Emerging and new jobs

Partnership

Declic'Industry (Motivating for vocational training and work in the industry) is a EU LLP Leonardo partnership between 6 organisations.:

- Droit et Devoir, Belgique, www.droitetdevoir.com
- Timelab vzw, Belgique, www.timelab.org

- Berlin-Brandenburgische Auslandsgesellschaft (BBAG), Allemagne, www.bbagg-ev.de

- ASSOCIACIÓ CEPS PER A LA CREACIÓ D'ESTUDIS I PROJECTES SOCIALS, Espagne, www.asceps.org
- Greta du Velay, France, www.velay.greta.fr
- Nieuwland Automatisering BV, Pays-Bas, www.nieuwland.nl

Objectives

- In each country, concrete objectives are:
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 - 2) using it
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Local added value

Local partnership

- U-Mons, microelectronics service led by Prof. Dr. Ir Carlos Valderrama, Manager
 - Support and guidance for the assembling of the 3D printer
 - Mentoring students-trainees
 - Perspectives: assembling a local 3D printer based on a local design
- Competence framework for job/training
- Development of a business: selling of printers and printing of objects

Promotion to a larger audience

- Digital week

Date of activity: 22/04/2013

- Activities presented: objects made by a 3D printer!
- Why do we speak of the 3D printer? Because the 3D printer has become in a few months the subject that everyone is talking about.

Conclusion

- The 3D printer, a new technology with new opportunities (including in terms of training), it brings new employment opportunities and generate new economic activities and local production.
- This initiative is fully compliant with sustainable development.

Declic'Industry wants to motivate young learners to give them new opportunities to work in the industry.

Video: Example of future development: Printing of a kidney

4) Visite de l'exposition RENAISSANCE 2.0.

Journey to the Beginning of the Web: how our ancestors had access to information before libraries, before search engines? How search engines work on the Web today? What are the challenges of the digital revolution? Has humanity entered a new process, similar to the Renaissance paradigm? (Through an interactive journey in Mundaneum)

U-Mons – Boulevard Dolez, 31 – Salle Maquet

1) Presentation of Droit et Devoir asbl

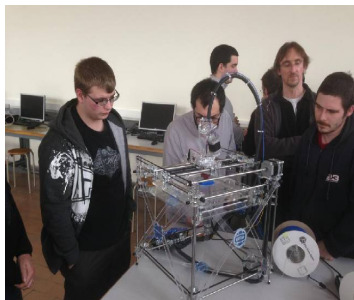
Founded in 1996, Droit et Devoir is located in the premises of U-Mons and is made by a board of directors composed primarily of professors from the U-Mons. Droit et Devoir is a training center for job seekers aged 18 and over, whose main qualification departure is the level of primary education. Its goal is to get them to work or to develop new skills through training courses lasting up to 18 months. Droit et Devoir is approved by the Public Service of Wallonia for three courses: Assembler of computers (Computer Repairs), "valoriste" (professional of recycling and valorisation) and operator for call centers.

2) Presentation of the project « 3D printer » en collaboration avec U-Mons »

The assembly of the 3D printer has been done for **Droit et Devoir**, in a context of collaboration between two organisations, Asbl Droit et Devoir and U-Mons.

A group of 5 learners from Asbl Droit et Devoir composed of four trainees in the training "Assemblers of computers" with only primary school level and a student at the end of his 6th year of study in information technology, making his internship at tDroit et Devoir. This group was sponsored by a group of students from U-Mons (trained in industrial engineering).

3) Visit of the 3D printing workshop



Asbl Droit et Devoir/U-Mons - Labo



- 4) **Presentation of results of the workshop by the trainees of Droit et Devoir and their tutor, Saïd Bikikre.**

Droit et Devoir built the 3D printer with its trainees. Starting from a desk research phase, they were able to assembly the 3D printer, skills such as teamwork, initiative-taking, organization of work, problem solving ..

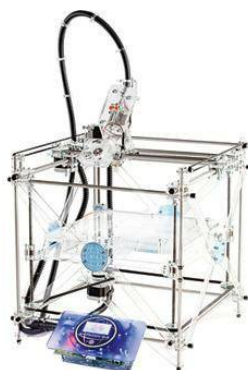
- 5) **Visit of Droit et Devoir premices**

The rooms have been visited and the vocational integration activities have been presented..

4 april 2013

- 1) **Presentation of the 3D printer model by each partners and why this model has been chosen?**

Droit et Devoir: RAPMAN 3.2.



Greta de Velay: Foldarap.

TimeLab: Ultimaker.

2) Activity around « Motivation »

Droit et Devoir Asbl (BE) is in charge of coordinating the activity related to motivation. Anna-Maria Toscano, pedagogical coordinator of the project presents the neurocognitive and behavioral model that can be used to measure learners' motivation approach.

This model was created by Dr. Jacques Fradin. It is an innovative approach based on scientific research conducted by the Institute of Environmental Medicine. A test Vip2a, allows to define the primary personalities of the candidates and to determine the underlying motivation for a given activity. This will be related to the topic of the 3D printer.

3) Communication/Web Site/Evaluation

Presentation by Greta de Velay of a grid to evaluate the attitudes and the skills of learners.

4) Motivation

The partners have discovered the work of Droit et Devoir and discussed various topics such as: different types of printers and characteristics, the contribution for the trainees, motivation and what has to come next.

We plan to organise a « competition » around creation of 3D objects by learners for next meeting.

5) Attendance certificates

Next meeting : 10 & 11 oct 2013 in Netherlands.