



## Study Visit to WSB University

### MINUTES OF THE MEETING

<b>Project Acronym:</b>	<b>COOPERA</b>
<b>Project No:</b>	617490-EPP-1-2020-1-MD-EPPKA2-CBHE-SP
<b>WP / Deliverable/ Action:</b>	WP2/D2.1/ Act. 2.1.2 SV to EU partners
<b>Project partner (s)</b>	P1- P13
<b>Place/ Date</b>	<b>University of Lleida / 8-12 November 2021</b>

**09.11.2021**

- 1. Welcome address from Ferran BADIA, Vice rector for Institutional Policy and Strategic Planning.**
- 2. Presentation of the University of Lleida, realised by Ferran BADIA, Vice rector for Institutional Policy and Strategic Planning:**
  - *General economic activity of the Catalonia region;*
  - *Historical background of the university of Lleida;*
  - *Educational offer;*
  - *Educational programs;*
  - *Research, financing and visibility of scientific products;*
  - *Projects of specialization and territorial competitiveness;*
  - *Extension programs, summer university, boost of social engagement;*
  - *International outlook and international rankings.*
- 3. Visit to the Agri-Food Corporation “bonArea”, presentation on “Experience of the dual training” realised by Xavier MORENO:**
  - *General presentation of the company;*
  - *Specialization areas;*
  - *Presentation of company’s HR structure;*
  - *Presentation of all specializations at “bonArea” part of dual training;*
  - *Existing DHE models, implemented by “bonArea”: Two (2) years of study one (1) year of work, 3 days of study 2 days of works;*
  - *DHE model within master program with University of Lleida: each day work (4) hours and studies in the evening) Presentation of the dual model implemented by the company offered in 4 major areas.*
  - *Remuneration system for DHE implemented by “bonArea”;*
  - *Involvement of the companies at creation of study programs: company proposes the specific training programme and negotiates it directly with university.*
  - *Evaluation: strong cooperation of company and university.*



**4. Presentation realised by Antonia SANFELIU, tutor of DHE students at “bonArea”:**

- *Selection of the dual programme model as a tutor;*
- *Importance and advantages of DHE programme from company’s perspective.*
- *Obstacles encountered:*
- *Advantages: knowledge put in to practice;*
- *Initiation phase of DHE programme implementation, involvement of the HR department.*
- *Difference between the students of DHE programs and regular study programs.*
- *Elaboration of training programme by the tutor from the company: further collaboration with the university on improvement of*

**5. Presentation realised by Jose Luis RIVERA former student of the dual master programme on possibilities and obstacles encountered during the study.**

**6. Visit to the Ros & Roca Company as partner of UdL in DHE training programs, realised by Ramon CARULLA:**

- *General presentation of the company, key values and achievements;*
- *Dual training from technical school: (18 students at present) 2 years of study, Working 4 hours of work/ 5 hours of study per day. Payment: high level school 5.5€/hour; middle level school: 4,5€/hours.*
- *Dual training from university, existing master degree program in industrial engineering with UdL: 2 years program, 6 students at the moment, 4 hours of work/ 5 hours of study per day. Payment: 1st year: 14.000 €/annual gross; 2nd year 15.000 €/annual gross. One mentor for each student from each department.*
- *Evaluation: mentors from university come to company twice per semester for evaluation. Company advisors are present at the evaluation of the master thesis as part of the evaluation committee.*

**10.11.2021**

**1. Presentation of “Dual Education at University of Lleida” realized by Albert Castells, Associate to the Vice rector of Academic Organization:**

- *Reasons to implement Dual Higher Education at UdL;*
- *Five pillars of dual training: DIRECTED PROCESS, ONE TRAINING TIME – integration; DOUBLE ADVISOR – cooperation with company; WORKING CONTRACT, OFFICIAL RECOGNITION;*
- *Benefits of dual training: professionalization, university-enterprise relation, motivation.*
- *Implementation of DHE at University of Lleida: from mandatory internships to full dual higher education;*
- *Examples of existing dual programs;*
- *Future objectives based on university experience: consolidation of the experience in dual training, increasing the academic offer; improve dissemination and quality control system, create models with integrated work, remain a reference.*



- 2. Presentation of “Master in Industrial Engineering: experience of UdL” realized by Albert Castells, Associate to the Vice rector of Academic Organization:**
  - *Professions and degrees;*
  - *Structure of the Master program;*
  - *Dual training: presentation of the model, cooperation with company advisors;*
  - *Evaluation process.*
- 3. Presentation of the personal experience realized by the Dual master program graduate: Student experience;**
  - *Selection of the company: student perspective and selection criteria;*
  - *Possibility to negotiate and adopt working schedule directly with the company;*
  - *Obstacles appeared: amount of workload, examination;*
  - *Advantages: time management, planning skills improved, future work opportunities.*
  - *Collaboration with company’s advisor: validation of competences, elaboration of working plan based on university requirement.*
- 4. Presentation of the Master Dual Training program of Informatics Engineering realized by Josep L. LERIDA:**
  - *Master program structure and objectives: starting from 2011, 90 ECTS.*
  - *Importance of dual training: case of informatics engineering - lack of experience in project management, lack of communication, lack of soft skills.*
  - *Dual training implementation:*
  - *Strengths: employment opportunity, skills.*
  - *Weaknesses: high workload, appreciation in value by companies and students, change of mentality in the company;*
  - *shortcomings: No internship contracts, administrative difficulties for foreign students, support to co-evaluation process.*
- 5. Presentation of the Dual Primary Education, Bachelor degree realised by Jordi L. COIDURAS:**
  - *Association of partner: University and government;*
  - *Training time: 60% and 40%;*
  - *Assessment: preparation of annual guide by the university;*
  - *Accompaniment training: students, tutors and mentor’s assessment.*
  - *Training activities: learning by doing,*
- 6. Presentation of the Industrial Doctorate realised by Leticia CARRO, Director of the Research and Transfer Area**
  - *Conceptual definition of the industrial doctorate;*
  - *Grant intensity;*
  - *Candidates requirements;*
  - *The company requirements.*

11.11.2021

- 1. Presentation of the PCiTAL - The Lleida Agri-food Science and Technology Park realised by Miguel ARAN, Director:**



- *General presentation and main objectives of PCiTAL: mixing technology of agri-food sector with digital technologies.*
- *Structure and aspects of the technological park;*
- *Working environment, investments.*
- *Conditions: Companies present in the park have to be involved research and technologies;*
- *Rotation: developing the companies to grow and rotate is one of the park's objectives.*

## **2. Presentation of EURECAT - technological centre Xavier DOMINGO**

- *[YouTube video: Eurecat, the Technology Centre of Catalonia;](#)*
- *Employability: +650 employees, 21% PhD, 48% women;*
- *Main areas: industry, digital, biotechnology, sustainability;*
- *Leading infrastructure: plastic transformation pilot plant, omic science centre, battery and electronic vehicle laboratory, perception and cognition laboratory;*
- *The it digital innovation in Catalonia: CIDAI innovation centre - public-private initiative coordinated by EURECAT;*
- *Data and AI (Artificial Intelligence) - driven services: aerospace, industrial, resources, agri-food, environmental climate change, construction;*
- *IMPETUS project, 4 million EURO, 4 years duration, project started in 2021, project aim: climate change, empower society to adopt to climate change;*
- *Benefits of dual master programme: student point of view presented by Ricardo, master in informatics engineering degree in UdL dual, advantages: compatibility between university and real work, money earned, employer adopts to necessities such exams and timetables, multidisciplinary experts in different fields, thesis while working at the enterprise making it more practical, future employment at the company.*
- *Dual program schedule: 8-3 work, 1 hour lunch, 4-8 classes.*
- *Payment: 2 years of master, 1<sup>st</sup> year 25000 per year for 5 hours a day, 2nd year 22000€ per year real numbers, this number are not made public because company doesn't want to attract with money only.*
- *Criteria to choose students for dual: necessity number of students and budget, technical criteria of students.*
- *Evaluation of dual students: specific template-every 6 month (semester) evaluation, before the period, tutors assign the competences for the period to be evaluated;*
- *Selection of advisors at company: one person responsible since start, each student has advisor.*
- *International exchange program for students in engineering.*

## **3. Presentation of AETI - IT companies realised by Josep R. FREIXANET, Director AETI:**

- *According to statistics, people from dual are employed more that people from outside;*
- *Key point of successful dual education programme: strong communication between three sides: university, company and student.*
- *Adoption of the curriculum: recommendations offered by the employer; reinforce university about the companies' needs and needs of society.*

## **4. Financial management session realised by Anna MADAN, COOPERA financial manager.**