



SUSf2fW1 - f2f workshop 2 – Barcelona (25-28 Feb 2019)

Preparation before the meeting:

WP 5: SUS – Online sessions between 1st and 2nd workshop

Readings are papers uploaded in the VLP

Session 1: Competency maps

Reading: [paper on competency maps](#) and [this presentation](#) of Workshop 1

Facilitator: Jordi

Dates: Weeks 3 - 6

Session 2: Pedagogical strategies for sustainability

Reading: [paper on pedagogical strategies for sustainability](#) and [this presentation](#) of Workshop 1.

Facilitator: Jordi

Dates: Weeks 6-8

Assignments:

From Session 1 trainees are asked to:

- 1- Design a competency map from their degree (one competency map for AU) taking into consideration the work done in Workshop 1 and the readings.

Deadline: 10 Feb 2019

From Session 2 trainees are asked to:

- 1- Reflect in which pedagogical approaches are more suitable for their context. Reflection have to answer to the next questions:
 - Which pedagogical approaches are relevant for SUS in your degree?
 - Why those pedagogical approaches are relevant for SUS in your degree?
- 2- Make a SWOT analysis of applying the pedagogical approaches in your AU context

Deadline: 23 Feb 2019



Programme Overview

Day	Schedule	Venue	Topic
February 25 - Monday	9:00-16:30	Vilanova School of Engineering	Frame the Sustainability Competency maps and its correlation to the Degree Curriculum courses.
February 26 – Tuesday	9:30-18:30	Barcelona East School of engineering + Ecopark	Experiences at UPC and visits at the Barcelona Metropolitan Area (AMB) Ecopark and Waste Valorisation Plant.
February 27 - Wednesday	8:00-18:00	Barcelona North and South Campuses + Sant Cugat Campus	Experiences/Sustainability initiatives and visits at UPC Campus Nord. Experience of Sustainable Housing / Teaching initiatives at UPC Campus Sant Cugat
February 28 - Thursday	9:00-17:00	Vilanova School of Engineering	Design of learning activities according to the Sustainability Competency map.

February 25 – Monday

Place: Vilanova School of Engineering. Room VGA140 / Time: 9:00-16:30

Time	What	How	Who
9:00 – 9:30	1- Course Introduction + Formalities - Programme for the week - Reflective Learning Journal results	-Lecture + open questions	-Jordi Segalàs (UPC)
9:30-11:10	2- Each AU presents their Sustainability Competency map + 15' minutes each with questions	-Lecture + open questions. -Linked to assignment of session 1	-Participants from each African University
11:10-11:30	Break		
11:30-13:00	3- Group Reflexion on maing problems when defining competency maps and how to overcome those	Design Thinking tool: Solutions' Target: -Trainnes Brain-storm individually about what are the main problems to design a competency map (one idea – one post-it) 5' -We all together place the post-it in a Target (the more close to the center the more relevant the idea) -Finally the facilitators will collect all information and summaries the results	Facilitators: - Jordi Segalàs (UPC) - Carla Smink (AAU) - Rikke Lybæk (RUC)
13:00-14:00	Lunch		
14:00-14:15	4- From competency maps to courses in the curriculum	-Lecture and open questions -Linked to assignment a.2 and a.3	-Jordi Segalàs (UPC)
14:15-16:30	5- Workshop. Each university embeds its Sustainability Competency Map to their Degree curriculum	-Each AU representatives define in which courses the diferents levels for each competency units are learnt and assessed. (1h) -Each AU presents the result of their work. 10' with discussion	-Group work in five groups. One group for each degree -Sharing in plenary for the last 50 minutes -Facilitators circle around

The trainers sit down after 16:30 and make a summary of the day



February 26 - Tuesday

Place: Barcelona Campus Nord – Vertex building – Collaborative room 2-floor./ Time: 9:30-18:30

We meet at 9:30 at the bus station in front of the Vilanova School of Engineering

Time	What	How	Who
09:45-11:15	Transfer from Vilanova to UPC Campus Nord	-Public transportation	- All
11:15-12:15	A case study of European Regional Development Fund: Besòs Littoral Project	- An innovative area in sustainable development of metropolitan cities, in a fluvial and coastal environment in Catalonia.	-Andrea (UPC) TBC
12:15-13:15	The Circular Economy Hub. An example of collaboration between companies, administration and the university in Sustainability	- Presentation by UPC staff.	- Didac Ferrer(UPC)
13:00-14:00	Lunch		
14:00-15:30	Transfer to the Barcelona Metropolitan Area (AMB).	-Public transportation	-All
15:30-17:00	Barcelona Metropolitan Area (AMB).	-Visit to the Ecopark and Waste Valorisation Plant	- AMB personnel
17:00-18:30	Transfer to Vilanova i la Geltrú	-Public transportation	-All



February 27 – Wednesday

Place: UPC Campus Nord Building Vèrtex Room VS215 / Time: 8:00-18:00

We meet at 8:00 at the bus station in front of the Vilanova School of Engineering

Time	What	How	who
8:10-10:00	Transfer Vilanova – UPC Campus Nord	-Public transportation	-All
10:00-11:00	6- UPC for Development and Cooperation	-Presentation of UPC's Centre for Development and Cooperation -Presentation academic activities in ICT and Sustainability + Entrepreneurship for the World Challenges	- Eva Vidal (UPC)
11:00-12:00	7- Learning orientated to the re-use of computer equipment	-Presentation of the project 'Reutilitza' (Re-use) combining ICT learning with social service.	- Fermin Sanchez (UPC)
12:00-12:15	Break		
12:15-14:00	Sustainability initiatives at UPC Campus Nord	Visits/presentations/discussion: - Energy Monitoring System (SIRENA) - Energy efficiency in buildings - Renewable energy at the Campus	- Chairperson: Jordi Segalàs (UPC) - Presentation by Josep Sabaté (UPC Sustainable office)
14:00-15:00	Lunch		
15:00-15:30	Transfer to UPC Campus of Sant Cugat	-Shuttle	-All
15:30-17:00	8- Sustainable Housing teaching initiatives at UPC Campus Sant Cugat	- Presentation of the case study Living Lab LOW3 + open questions	-Torsten Masek (UPC)
17:00-18:00	Transfer from UPC Sant Cugat to Vilanova	-Shuttle	-All



February 28 - Thursday

Place: Vilanova School of Engineering. Room VGA140 / Time: 9:00-17:00

Time	What	How	Who
9:00 – 10:00	9- Socioeconomic assessment in agricultural and food markets	- Lecture + open questions	- Chema Gil (UPC)
10:00-11:30	10- Each AU presents their Pedagogical approaches tasks: What, How and SWOT analysis. 15' minutes each with questions	- Lecture + open questions. - Linked to assignments of session 2	- Participants from each African University
11:30-12:00	Break		
12:00-13:00	11- Action for transformation and social appropriation of knowledge. Learning from water resources management cases coordinated by the UNESCO Chair on Sustainability.	- Lecture + open questions	- Jordi Morató (UPC)
13:00-14:00	12- RUC research projects with focus on sustainability	- Lecture + open questions	- Rikke Lybæk (RUC)
14:00-15:00	Lunch		
15:00-16:15	13- Design of a Sustainability competences learning activity	- Each AU representatives designs a learning activity aligned with previous work (Competency map + curriculum development) (25') - Each AU presents the result of their work. 10' with discussion.	- Group work in five groups for each degree - Sharing in plenary for the last 50 minutes - Facilitators circle around
16:15-17:00	14- Delphi evaluation of the workshop and organization of follow up and preparations for the 3 rd workshop Reflective Learning Journal (in place)	- Discussion	- Facilitators: Carla Sminck (AAU), Rikke Lybæk (RUC) and Jordi Segalàs (UPC)

The trainers sit down after 17:00 and make a summary of the day.