



MECA

MicroElectronics Cloud Alliance

www.meca-project.eu/



Partner name: TUB Technical University of Berlin

Partner number: P14

1. What was done after MECA kick-off meeting (Sofia) and who was involved:

- According to WP2, P14 has analyzed the needs in the university engineering education by developing an online questionnaire for different target groups: bachelor and master degree students, researchers and staff, as well as stakeholders/ partners of TUB.
- The questionnaire includes 25 questions and was distributed among the target groups and the answers got afterwards analyzed.
- P14 is currently in contact with various faculties with regards to the scenario for deployment of WEB based e-learning applications of WP3.
- Creation of a website of the MECA Project on the server of TUB was done:
https://www.raumfahrttechnik.tu-berlin.de/menue/forschung/aktuelle_projekte/meca_eu/
- Participation at TU Berlin in strategy for mClouds specifications
- P14 is constantly performing self-evaluation, including the first SWOT analysis in the end of 2016.

2. What was released, published, organized, done in the frame of MECA project:

- Participated to MECA meetings in Sofia, Toulouse, Torino, Berlin (WP1)
- In frames of WP4 and WP5 P14 has developed the following 3 job-oriented curricula:
 - Survival in Labor Market
 - Project Management
 - Effective communications with groups, presentation techniques;as well as the course:
 - Superconductive materials.
- Carried out the Conferences:
 - EU Symposium on E-Learning in German Universities (07.2016) ✓
 - Conference in Lviv, Ukraine on Development of Curricula for Engineering and Manufacturing (10.2016) ✓
 - Strengthening Education in space based remote sensing Technics for monitoring of Eco systems in IL, AZ and KZ, Baku Azerbadjan (11.2016) ✓
 - Doctoral School for Engineers in Vilnius, Lithuania (06.2016) ✓
- Workshop: Collective dynamics in coupled oscillator systems, Berlin (11.2016) ✓
- Air Show: 9th Pico and Nano Satellite Workshop, Berlin (06.2016) ✓
- Published: “Scientific and innovative trends in the field of applied engineering” in periodical magazine, Berlin: 2016



3. What was done after the meeting on march 16th 2017 in Berlin:

- In frames of WP3 TUB has carried out the specification of the Cloud system :
 - Description of the available hardware and software infrastructure
 - Definition of the model to be implemented
 - Design of mClouds based on the needs of the institution, teachers and students
 - Carrying out necessary steps for sharing OERs
 - Development of scenario for deployment of WEB based e-learning applications
- In frames of WP5 TUB has carried out the development of the Cloud system :
 - Architecture and introduction of private Cloud at TUB
 - Publishing curricula on Cloud to be able to share them with partners
 - OERs in mClouds: The developed courses of WP4 and WP5 were delivered as OERs in mClouds

3. What was after the meeting on march 16th 2017 in Berlin:

- According to WP5.2 the TUB has provided the partners with the developed curricula:
 - Survival in Labor Market (in English)
 - Project Management (in English)
 - Effective communications with groups, presentation techniques (in English)
 - Superconductive materials (in English)

4. What was released, published, organized, done in the frame of MECA project:

- Participation at the following Conferences:
 - “Material sciences and microelectronics” in Lille: May 2017
 - “PHD programs and engineering education” in Vilnius: June 2017
 - TUTORIAL “Development of e-learning curricula” in Berlin: July 2017
 - “Engineering and e-learning education” at Technical University Munich: September 2
- Workshop: for TU staff on “development of e-learning curricula” in Berlin: April 2017 ✓

5. Forecast/plans for 2017/2018:

- “Federation” of Clouds with the aim of expanding the training possibilities and offers
- Teachers training :
A teachers training on the developed curricula is planned for December 2017.
- SWOT analysis:
In addition, the second internal SWOT analysis will be carried out by the end of 2017 and a constant self-reflection and evaluation will be ensured over the entire period.
- Pilot test:
According to WP6 the TUB will carry out a pilot test with students as well as collect the data and write reports, from January to April 2018.