

Micro



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http://meca-project.eu/

MicroElectronics Cloud Alliance







Objectives

- Shared IT infrastructure for teaching materials and learning resources
- > Networking of project partners from HEIs and SMEs
- Shared server infrastructure, e-learning resources and remote access to the CAD tools

Pilot test

Implementation of jointly developed cloud-based open educational resources



Networking of project partners from HEIs and SMEs



Meetings business - academia



Training events

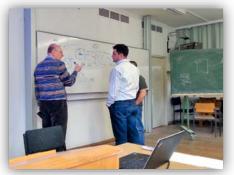




mClouds feasibility analysis, Toulouse Training of course developers, Torino



Teachers' training, Bucharest



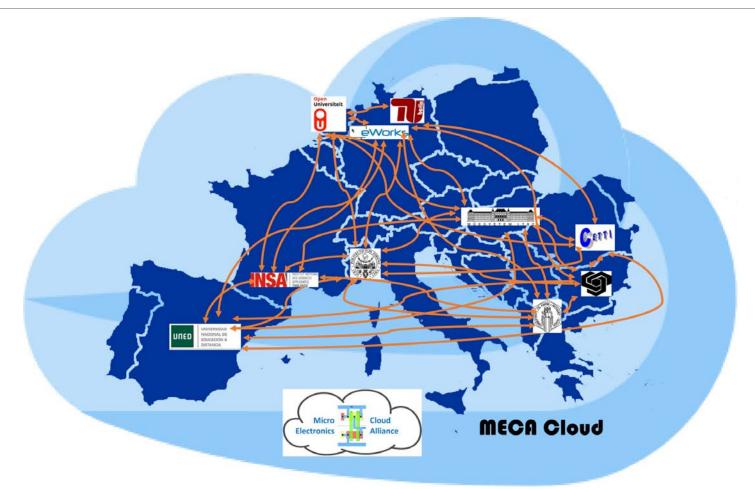
Training of system officers, Berlin





Development of mClouds

Shared IT infrastructure, e-learning resources and remote access to the CAD tools



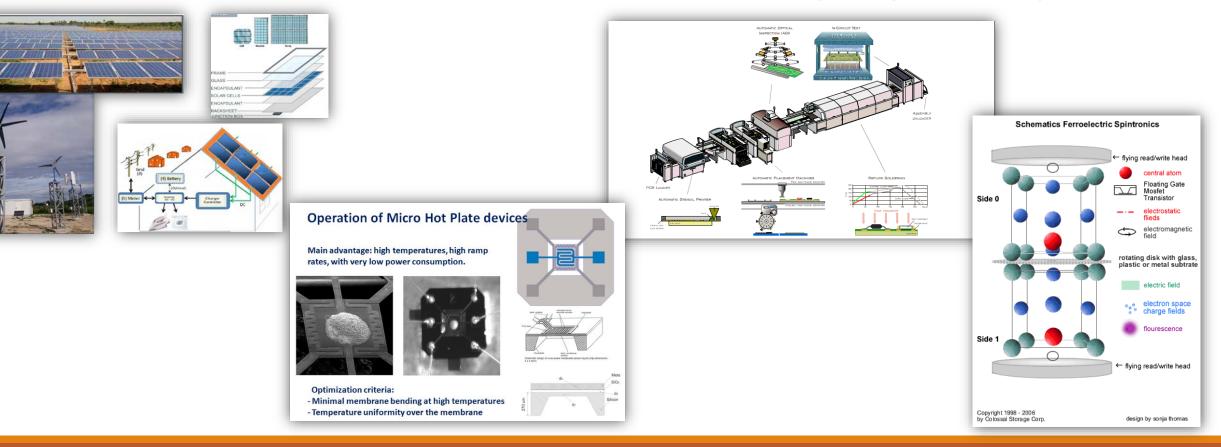




Development of Open Educational Resources (OERs)

4 OERs developed by business partners

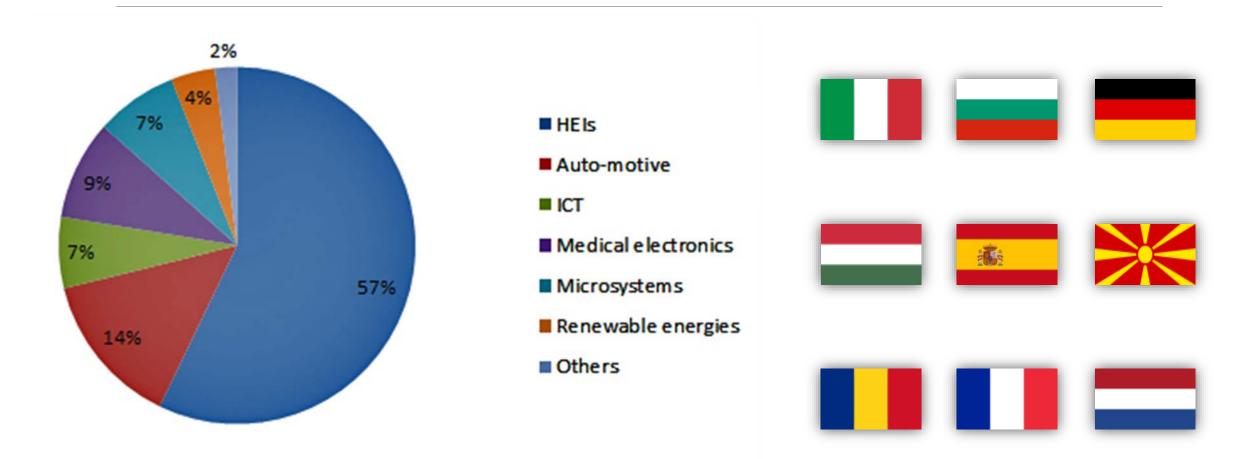
18 OERs developed by academic partners







mClouds Users During the Pilot Test -828 users from 9 EU Countries







Summary of Results from Industrial Experts

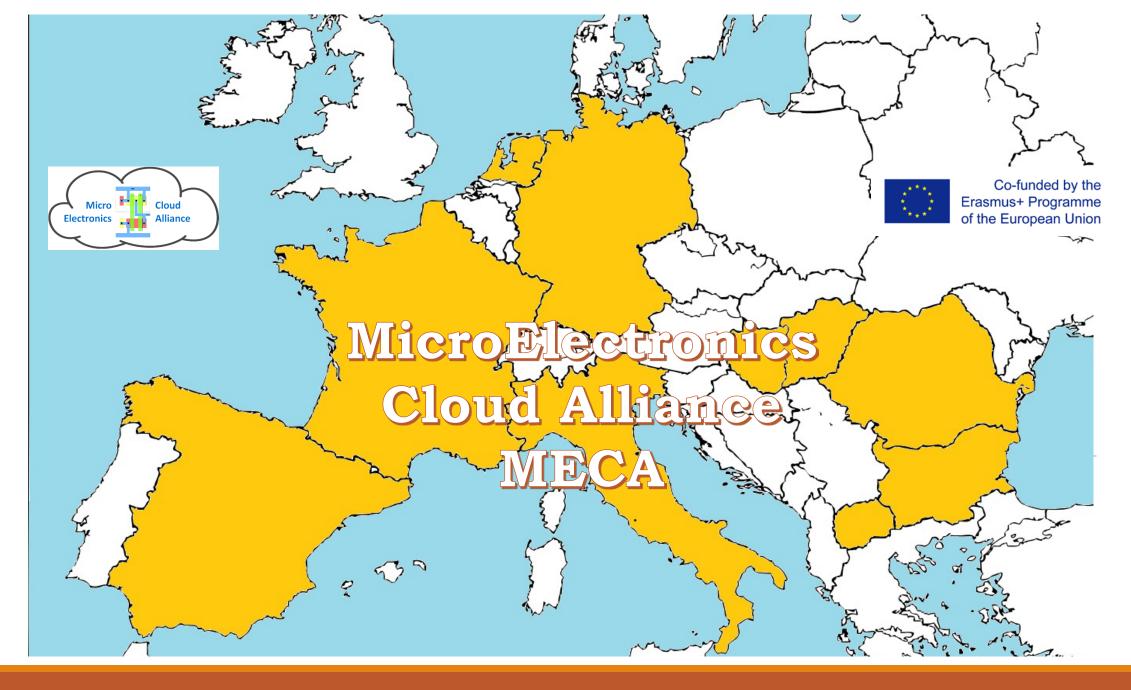
- All developed courses are considered to fulfil a more than average need in short term
- In long term the industry will need even more skills and competences in the proposed topics
- We can conclude that **the university world is close to the industry needs in the sector of microelectronics**.
- 1128 participants in the pilot test and field trial!





Conclusions: Long Term Benefits

- All EU HEIs delivering education in micro-/nanoelectronics could be involved in European educational cloud.
- The cloud-based content in OER has three main **advantages for the sustainability of the results**:
 - resources for initial e-learning development and systems/ networks creation are the only high investments unlike the face-to-face delivery of education
 - the students could access the courses from their countries, i.e. it insures virtual mobility without additional financing
 - the content is easily changeable and upgradeable what is mandatory for the fast developing sector of microelectronics







Sustainability

- New National and Regional Knowledge Alliances created memoranda of understanding for future collaboration within mClouds and knowledge sharing Business-Academia;
- More than 50 European enterprises involved and another 15 universities
- New countries joined the Microelectronics Knowledge Alliance: **Portugal, Czech Republic, Slovakia, Poland and Serbia**





What next?

European University MECA

This action will support the creation of alliances, ideally composed of 5 to 8 partners, by either setting-up new cooperation partnerships or enhance existing ones, through a step by step approach. They will have the possibility to associate academic and non-academic partners from the world of work and to grow at a later stage.

Budget EUR 5 000 000 for 3 years

Deadline 28th February 2019