

ENERGISE - Expected Result 2

Dr. Eng. Bonaventure Saanane



Expected result: Faculty competence upgrading and staff capacity building in sustainable Energy Engineering are organized and delivered

2.1 Intensive courses for Faculty competence members upgrading

- *Leader:* DIT
- *Participants:* POLIMI, TUM, TUK, JU
- *When:* from 10 July 2014 to 10 April 2017 (month 10 – month 42)
- *Output:* Improve staff competence on basic knowledge of Sustainable Engineering, thanks to 3 editions of the intensive one-week Training of Trainers, 1 for each ACP partner, followed by specific web seminars
- *Description:* Online and in-presence training activities will guarantee the necessary competences to deliver an high quality master of Science on Energy Engineering and support networking. This is a very important measure to bring the Faculty staff to the same level of knowledge and equipping them with new technologies in all the partner institutions. In this way, will help to boost the contribution of Energy Engineering for tackling energy access in Tanzania, Kenya and Ethiopia.



2.1.1 Intensive one-week T.o.T. for competence upgrading on Sustainable Energy Engineering, focused on Distributed Energy Systems and social entrepreneurship

This is an advanced one-week Training of Trainers on how to teach and face Sustainable Energy related problems through Distributed Energy Systems technical strategies and social entrepreneurship.

The objective is the upgrading of technical competences in the designed faculty of Master of Science.



2.1.2 Complementary and supportive Online Seminars

The intensive 1 week training will be the core of competences related activities. These will be carried out follow-up online sessions in form of web seminars.

The objective is the upgrading of technical competences in the designed faculty of Master of Science.



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2.2 Intensive courses for Academic Staff capacity and attitude reinforcement

- *Leader:* DIT
- *Participants:* POLIMI, TUM, TUK, JU
- *When:* month 16 and duration of 24 months
- *Output:* A new attitude is requested in the HEIs to be able to face the fast changing energy challenges, and 3 editions of intensive one-week trainings, followed by specific web seminars, are delivered
- *Description:* through the one week intensive training faculty staff will acquire new teaching methodologies (use of e-learning and e-collaboration) and innovation attitude in terms of acquiring knowledge transfer methodologies and intellectual property rights and licensing activities.



2.2.1 Intensive one-week trainings on advanced teaching tools and methods and innovation attitude

It consists in an intensive one-week training in teaching methods and skills dedicated to a group of selected teachers and academic staff. It will be realized in 3 editions, performed in each partners countries, in order to allow more visits from an enlarged audience of professors and staff.



2.2.2 Complementary and supportive Online Seminars

Follow-up on what has been taught into the main training activities will be possible with minor expenses through online web-seminars during the next 2 years. Web seminars will be recorded to become a resource for next-coming needs and persons.



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- Number of trained persons with competence and capacity > number of staff involved (the ratio is greater than 1);
- Amount of innovative teaching methods and techniques introduced > 20%;
- Percentage of trainees answering the satisfaction questionnaire >70%;
- Initiatives activated in the different HEIs related to innovation > 9;
- Involved staff satisfied > 50% and
- Number of additional HEIs other than DIT, KPUC, MPUC, JU joining the initiative > 3.

THANK YOU

FOR YOUR

ATTENTION

