

ENERGISE - Expected Result 5

Prof. Suki K.K.Mwendwa/Prof.Wilson Ogola - TUK
Prof. Emanuela Colombo - POLIMI



Expected result: upgrading of curricula in the energy field through South-South knowledge transfer

5.1 South-South Knowledge Transfer dedicated Seminar in other HEIs regarding the implementation of Sustainable Energy Engineering curricula

- *Leader:* TUK
- *Participants:* POLIMI, DIT, JU, TUM, Associated Partners
- *When:* from 10 Oct 2016 to 10 Mar 2017 (month 37 – month 41)
- *Output:* new knowledge transfer activity carried out by partner HEIs to another ACP HEI
- *Description:* the design and the delivery of a first action addressed to a **new HEI** is completed by partner HEIS. Networking and investigation activities are carried out to define the most suitable countries/HEIs for the knowledge transfer test.



Description:

Through this activity it will be possible to relate sustainability, exploitation and knowledge transfer with partner HEIs that will be expected to be autonomous during the design and the delivery of the first action addressed to a new HEI in a different country.

The country will be chosen as a first potential subject for network extension and competencies diffusions.

This activity will enable the partner states to verify if the partner HEIs have become self-consistent and is able to transfer acquired knowledge to new institutional subjects.



5.1.1 Preparatory and planning activities

- Networking and Investigation activities will be carried out to define the most suitable countries/HEIs for the knowledge transfer test.
- Choice will be based on socio-economical and political priorities related to Sustainable Energy.
- Due to already open relationship, current potential candidates are:
 - ☞ South Sudan, Mozambique and Malawi (in the same Coastal region)
 - ☞ Cameroon and Senegal (Western African region)
- Partnering HEIs will define the topics and the pertinent responsibility for the delivery of trainings.



5.1.2 Training delivery and results evaluation

- In the chosen new HEI, the chosen topics will be delivered.
- Training will last for about 1 week and it will be carried out in the new HEI's country.
- Logistic costs for its organization won't be supported by the action.
- Together with this event, the last project meeting will be managed.



Expected result: upgrading of curricula in the energy field through South-South knowledge transfer

5.2 Multi-stakeholders Dissemination plan

- *Leader:* DIT
- *Participants:* POLIMI, TUK, JU, TUM, Associated Partners
- *When:* from 10 Jul 2014 to Oct 2016 (month 10 – month 36)
- *Output:* a mix of disseminative activities:
 - at least 5-7 schools per country hosted a promotional (gender) campaign;
 - web seminars dedicated to different target;
 - white paper publication including the executive summary, the guide line, the informative brochure and the scientific publication abstract.
- *Description:* the main activities for the **dissemination** are defined and developed with the aim of extending awareness of the necessity of Energy Engineering curricula.



5.2 Multi-stakeholders Dissemination plan

5.2.1 Web and F2F activities to enlarge and support network visibility

Besides didactic web seminars (i.e., Activities 2.1 and 2.2), other **online events** will be fostered. It should help to create **new dialogue opportunities** with public and private stakeholders. Inputs for the topics of the webinars will come from activity 1.1.

5.2.2 Campaign for promoting the Master of Science within High School: special focus dedicated to promote women in engineering

Some visits will be carried out in **selected high schools** with the goal of promoting **women** involvement in science and technology careers.

5.2.3 “White paper” publication for different targets (executive summary, guide lines, informative brochure and scientific publication)

The White paper aims to propose a **comprehensive picture of the path followed** by the partner HEIs during the development of the Master in energy engineering, with the goal to promote the same path in other African Countries. Each partner will manage to participate to **conferences** presenting the developed Action.



Expected result: upgrading of curricula in the energy field through South-South knowledge transfer

5.3 Participative Project Management UNIT with Monitoring and Evaluation activities

- *Leader:* POLIMI
- *Participants:* DIT, TUK, JU, TUM, Associated Partners
- *When:* from 10 Oct 2013 to 10 Apr 2017 (month 1 – month 42)
- *Output:* three reports, one Baseline evaluation, one Mid Term control and One final report of monitoring processes and indicators
- *Description:* the **PPM** is the unit in charge of **supervising the overall process** and monitoring its evolution. It is based on a principle of **shared responsibility** between the players in the Consortium and aims to promote good governance through **participative approach**.



5.3 Participative Project Management UNIT with Monitoring and Evaluation activities

5.3.1 Project Management, Monitoring and Evaluation, Coordination and reporting, standard definition, kick off and progress meeting

The Action Manager (AM) and the Local Manager (LM) shall assure **participation** and **local support**. The AM will schedule the 6 **meetings** to exploits in the best way travelling and superposition of tasks.

5.3.2 External Activities to be accounted for External audits, External evaluation, Travel to Brussels

Meetings with stakeholders will be held in Brussels 3 times, the **audits** by an external consultant will be carried out 2 times, and the **evaluation cost analysis** by an external consultant will be delivered 2 times.



OVI

- Number of activities in the project fully managed by the Partner institutions > 70%.
- Number of hours of the Summer School taught by HEIs staff member > 80%.
- Number of attendants of the Summer School > 30.
- Number of HEIs (other than the partners) attending the Knowledge Transfer Dedicated Seminars > 5.
- Number of scientific publication > 2.
- Number of HEIs involved in the dissemination of the White Paper > 20.
- Number of public institution/ international organization involved in the dissemination of the Executive summary of the White Paper > 20.

Critical elements/Other relevant considerations

- The needed assumptions are:

a shared vision on the approach to the problem of access to energy; absence of major socio-economic urgency that may oblige HEIs to keep strong attention to the local situation.

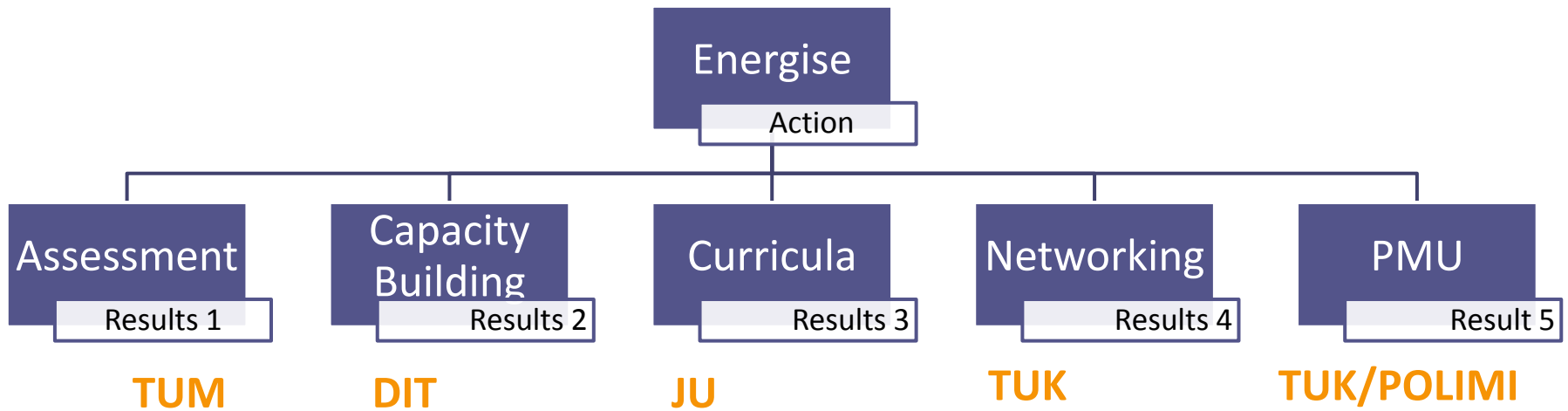
- The target groups affected by these results include:

- i. The Faculties of the partner institutions.
- ii. The Faculties of the other HEIs in Africa.
- iii. The whole set of stakeholders of the project which include the public, private and civil society organizations as well as the scientific/research community.

This wide range of players is reached by a dissemination strategies which aims at providing the same contents in information into different format which may fit at best the specific target group/s.



1 Action



5 Results

14 Activities (3, 2, 4, 2, 3)



Project Management UNIT (PMU) 12 persons

- **Scientific Coordinator of the Action:** Emanuela Colombo
 - Role: interface with the Edulink PMU and Scientific responsibility
- **Action Manager:** Francesca Mapelli
 - Role: Monitoring and managing the activities and their progress
- **Admin Manager**
 - Role: Accountability Alessandro Manzato
- **Scientific Coordinator for Polimi** Jacopo Barbieri
 - Direct contact for the scientific coordinator
- **4 Scientific Coordinator at local level** we need 4 names
 - Direct reference persons within each HEI
- **4 Local Managers:** we need 4 names
 - Role: Monitoring and managing the activities of its HEI



Results Management team (RMU)

- Activities Leaders

INFORMATION are needed

Activity Staff (AS)

- Activity leaders, one representative by each involved universities

INFORMATION are needed

