Unleashing the power of human capital

For effective deployment of REs in East Africa

26th - 27th October,
Nairobi, Kenya
“Human resources are like **natural resources**; they're all around and we live diving into them. We have to create the **right environment** to have their **potential** be transformed into **power**. Finally being **“renewable” resources**, shortage may be easily avoided”

...revised from a quotation by Ken Robinson
Global Challenges & Sustainable Development requires **People**

“The ability of a country to follow any transformative paths is determined by the capacity of its people & institutions”

“Agenda 21”

The creation of a skilled workforce for Sustainable Energy solutions requires the human capital acts as gear

“Sustainable Energy for All 2015”

...toward a comprehensive approach

- Enhancing technical competence & capacity
- Building attitudes relationship & values
- Strengthening processes influencing collective & individual behavior

beyond «training»...
Human factor within Renewable Energy Strategies

A virtuous cycle

Managing technologies, business models, enabling policies

Sustainable and Renewable energy strategies

Energy supply chain in the new market

New skills and high quality competences

Installation, maintenance and services

Entrepreneurs

Financial Institutions

Consumers

Regulators and policy makers
Capacity building as Empowerment

Win-Win strategy for **local communities** and **private investors**

An essential element for **long term sustainability**
Some Lesson learnt as starting points

General insights to drive capacity building actions

From case studies, some by UNEP, UNHCR, IRENA and UNIDO

- Diversified targets
- Different skills
- Teaching tools

What

- Life-cycle perspective
- Comprehensive approach

How

- Multi stakeholder (Quad helix)
- Local and Regional Level

Who

Innovative Schemes

Financial Opportunities

27/10/2016

Session 5 – Capacity Building - E. Colombo (PoliMI), P. Leone (PoliTO)
Session 5: unleashing the power of human capital

The session aims at investigating new potential funding opportunities and innovative teaching schemes for the deployment of Renewable Energy in the region.

Chair persons:
Emanuela Colombo, Rector's Delegate to Cooperation and Development – Politecnico di Milano
UNESCO Chair in Energy for Sustainable Development - Department of Energy
Pierluigi Leone, Professor of Sustainable Energy, Energy Department
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Discussants
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Sandrine Decleve Chief Partnership Officer, SE4ALL *
Jeremiah Kiplagat Director Kenya Power International, KPLC, Kenya

27/10/2016
Session 5: unleashing the power of human capital

DeBriefing

Innovative multi-level approach to stimulate endogenous growth rather than simple catching-up growth

- Comprehensive education in addition to subject specific approach
- Life cycle perspective to build bridges between schools and communities
- Digital learning may be useful for continuing education through adulthood as a lifelong strategy

Funding is required to set up an effective and long lasting development in Res

- Multi-stakeholder commitment is required to have a strong innovation system (we already discussed about three helics approach).
- Design of new curricula and spreading digital learning for comprehensive and lifelong education.
- Economic convergence of energy and digital gaps.
A continuous flow of energy crosses our whole life. This course will take you on a journey of the world energy challenge. We hope to drive you in a journey of 50 hours that aims to change your perspective about the energy challenge showing not only complexity but even the opportunity we, as humankind, might gain from accelerating the transition toward a more sustainable energy system.

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