



## **Comprehensive Energy Planning in critical settings from emergency to development**

12<sup>th</sup> April 2018

**Venue:** Aula Magna – Politecnico di Milano

**Date:** 12<sup>th</sup> April 2018

**Attendees:** Representatives of international organizations and NGOs, Funding Agencies, Academicians, Students, Experts

**Organisers:** Politecnico di Milano and COOPI – Cooperazione Internazionale

**Reference:** Prof. Emanuela Colombo – Prof. Niccolò Aste

### **Context:**

Around a seventh of the world's population – the so called 'bottom billion' – does not have a secure and affordable food supply and has only limited access to clean water and sanitation, in addition to a lack of access to modern energy. In this framework, a focus on affected populations in the context of acute emergencies and protracted crises shows that about 60 million people are currently displaced due to violence and conflicts, and an additional 26.4 million people on average are displaced each year by natural disasters.

In the perspective of an integrated approach to an efficient management of resources, energy, water, food, land and climate are closely linked one to the other: the Bonn 2011 Conference and the UN Rio+20 summit provided evidence that improved access to water, energy and food security can be achieved through an integrated approach. However, access to fuel and energy is often neglected in critical developing areas and in humanitarian settings, with negative consequences for the most vulnerable communities, missing opportunities to cut fuel costs over time, enabling income-generating activities, and developing local and sustainable energy markets.

Further research and new best practices are needed to better understand the interrelationships between natural resources and local needs. Natural resources share some common elements: their access is not granted to millions of people; their needs are growing; they are under constraint at a global level; they have different availability at regional level; their exploitation impacts environmental preservation; their management often operates in a regulated market; their supply has implications on global security. Moreover, each of the single resource affects the others, and ignoring this inter-dependency could lead to policies or technological solutions with unfulfilling sustainability requirements.

Despite this, International and Governmental structures still tend to adopt separated policies, hence planning strategies and technology design procedures do not include an integrated vision.

This conference, organized in the framework of the SET4Food project (*Sustainable Energy Technologies for Food Security in humanitarian contexts*) founded by the European Union Humanitarian Aid and Civil Protection (ECHO), will serve as a high-level platform for discussion on the integrated approach to global resources management and will address the various dimensions of the problem and how to face it in a comprehensive and effective way.

The conference aims at producing a set of recommendations for further research activities and networking on the subject.



## Agenda

08.30 - 09.00	Registration
9.00 - 9.15	<b>Opening remarks</b> <b>Ferruccio Resta</b> , Rector Politecnico di Milano
9.15 - 10.00	<b>The SET4food project</b> <i>Chairmanship:</i> <b>Cristina Sonzogni</b> , Project coordinator - COOPI  <i>Panelists:</i> subject to confirmation
10:00 - 11:00	<b>SESSION I: The Global Plan of Action for Energy in Humanitarian Settings – the essential Link to the 2030 Agenda</b> <i>Chairmanship:</i> <b>Emanuela Colombo</b> , Rector's Delegate to Cooperation and Development, UNESCO Chair in Energy for Sustainable Development – Politecnico di Milano  <i>Panelists:</i> subject to confirmation  Debate
11.00 - 11.30	Coffee break
11:30 - 13:00	<b>SESSION II: Toward a Comprehensive Approach for energy planning - Water-Energy-Food nexus and more from emergency to development</b> <i>Chairmanship:</i> subject to confirmation  <i>Panelists:</i> subject to confirmation  Debate
13:00-14:30	<b>Social Lunch</b> - Light lunch at Politecnico di Milano
14:30-16:00	<b>SESSION III: Enabling partnerships and unlocking resources for effective interventions</b> <i>Chairmanship:</i> <b>Niccolò Aste</b> , Rector's Delegate for international relationship Africa, UNESCO Chair in Energy for Sustainable Development – Politecnico di Milano  <i>Panelists:</i> subject to confirmation  Debate
16:00-17:00	<b>Set4Food Energy Award Ceremony</b> Case studies award
17:00-17:15	<b>Final Remarks and the way forward</b>