

<b>Name of proposer</b>	FLAEI CISL MILANO Federazione Lavoratori Aziende Elettriche Italiane
<b>Title of the project</b>	<b>Electricity, nutrition and fight against local deforestation in Burundi.</b>
<b>Subject of the project</b>	Exploitation of the night energy surplus of the existing Burundian hydroelectric plants to heat water used for cooking food and achieve a lower consumption of wood biomass.
<b>Abstract of contents</b>	Burundi is the African country with the highest rate of deforestation, where 96% of all energy needs are met by traditional biomass such as firewood used for cooking. Within a collaboration framework among the three different partners of this project, a student from Politecnico di Milano had the possibility to carry out his master thesis on the field, with the aim of examining the most appropriate technological way for reducing the local use of firewood for cooking in a rural area of the country. The main technologies that have been considered are heat pumps, electric heaters and solar thermal plants, which enable to reduce the consumption of wood by preheating the water used for cooking. The identified solution will create a trade-off between the availability of the night electric surplus of the national hydroelectric flowing water plants, the need to find alternative sources to wood consumption, and the fight against deforestation. The study has also provided a technical and economic evaluation of the benefits that could be achieved through the use of improved cook stoves with integrated solar cookers, compared to the traditional solution with high polluting "open fire stove" characterized by low efficiency.
<b>Format of the main event</b>	Exhibition stand in Civil Society pavilion
<b>Main target</b>	Decrease of the overuse of wood for cooking and its social and environmental implications.
<b>Partner / Sponsor</b>	Vispe – Volontari Italiani Solidarietà Paesi Emergenti Ong-Onlus; Politecnico di Milano, UNESCO CHAIR in Energy for Sustainable Development – Energy Department
<b>Country involved in the Project</b>	Burundi

**INFORMAZIONI SULL'ORGANIZZAZIONE PROPONENTE:**

<b>Number of members and / or volunteers (last year estimate)</b>	Almost 700
<b>Sito web</b>	<a href="http://www.flaei.org">www.flaei.org</a> ; <a href="http://www.cislmilano.it">www.cislmilano.it</a>
<b>Twitter</b>	no

<b>Facebook</b>	no
<b>YouTube</b>	<a href="#">Link in preparazione</a>
<b>Altri canali social</b>	No
<b>Contatto addetto o referente per la stampa</b>	<a href="#">Gianmario Stefanelli</a> <a href="mailto:flaei.milano@cisl.it">flaei.milano@cisl.it</a> via villoresi 48 -I 20099 Sesto San Giovanni T. 02 2405556 F. 02 2401139