

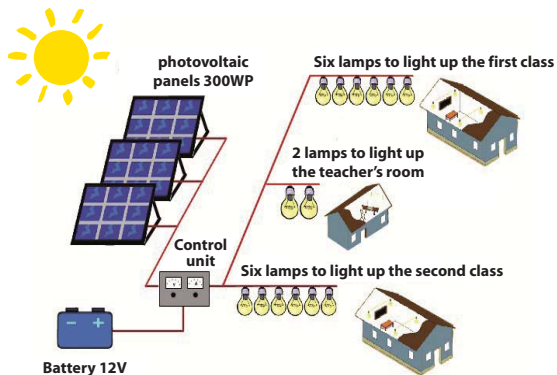
Cooperation project with african schools

SUSTAIN

Sustainable future Students African Italian Network

SUSTAIN, thanks to the collaboration between ENEA and IFAD, promotes partnerships between African and Italian schools with the aim to establish new relationships between students of the North and South of the world. Schools can initiate educational exchange and cooperation projects, focused on the diffusion of new technologies and renewable energy for sustainable development of rural communities. Students from an Italian school, just donating a few euros, can contribute to purchase a photovoltaic kit, which will provide energy to a school in a rural African village. Thanks to the first contributions received from schools and students' councils, twenty PV systems have been installed in schools of rural villages in Mauritania and Burkina Faso.

A photovoltaic kit to light up a school



The kit consists of photovoltaic panels (total power 300 Wp), a 12V battery (200 Ah), 1 battery charge controller, 15 lamps low consumption, cables and switches. The photovoltaic system is able to light up two classrooms and the teacher's home. It is simple to install and can be handled easily by the teacher. Students from Italian schools could donate a kit, which costs is about 1200 euro, just donating 1 € each.



ENEA
Italian national agency for new technologies,
energy and sustainable economic development



Educate for the Future

Partners of the project:

**Ministry of Education,
University and Research**

**Ministry of Environment,
Land and Sea Protection**

Ministry of Foreign Affairs
Italian Development Cooperation

Province of Rome

IFAD
*International Fund for
Agricultural Development*

**New knowledge and educational
actions for a sustainable future**

Join the

“Network of Schools for a Sustainable Future”

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Partners of the project

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Ministry of Environment,
Land and Sea Protection



Ministry of Education,
University and Research



Becoming “Citizens of the World”

Within a few decades the world population will increase from six to nine billion people, most of them will live in poor countries.

Humanity faces a great challenge: to ensure natural resources and energy for the development of all peoples in the world without exceeding the biological and physical limits of the terrestrial ecosystem.

While poor nations will require more and more resources to achieve decent living conditions, developed countries will necessarily have to reduce their consumptions, adopt lifestyles more aware and promote the use of renewable energies.

Humanity must learn to live sustainably and schools must be the pivotal of this educational project.



PCS system for solar components (ENEA Casaccia Research Centre)

A School - Research Collaboration

The aim of the project “Educate for the Future” is promoting a scientific collaboration between ENEA’s researchers and schools to offer students an updated overview on our ecosystem and the most significant scientific and technological innovations to build a sustainable future.

It is addressed to all interested schools to face new issues and disseminate new knowledge on: energy, the environment, biodiversity, climate change, new technologies, responsible consumption, international cooperation, ecoethics.



Educate
for the **Future**

Scientific seminars and Consultant for Schools

The main objective is to create, through the joint work of experts, teachers and students a framework for interdisciplinary knowledge on scientific and technological innovations able to ensure a sustainable future for the planet, to be published on the web. The participation in the program does not imply any costs for schools.

In support to educational activities, ENEA organizes on-line and live seminars concerning scientific professional updating for teachers and raising awareness among students.

ENEA also provides assistance to schools interested in creating multimedia didactical materials to define new teaching approaches and test pilot projects for the promotion of renewable energy sources, energy efficiency, building qualification and sustainable mobility. Students from the last two years of secondary schools will be able to request didactic tours to the ENEA Research Centres laboratories.

“What is missing in our education system is a teaching dedicated to the global era that we live ...nothing teaches us the state of the world where we are”

Edgar Morin

Main Activities

- Create new interdisciplinary educational materials on those issues related to sustainable development, to be broadcasted on the web and accessible via IWB (interactive whiteboard);
- promote educational actions to inform, raise awareness and involve the institutions, businesses and citizens on the energy issues and environmental and responsible consumption;
- develop demonstration projects to promote sustainability of the territory (renewable energies, mobility, energy efficiency, waste cycle, etc..) particularly from technical and vocational schools;
- train technicians in the field of renewables and energy efficiency and encourage youth employment;
- launch pilot programs to improve the energy performance of school buildings in Industrial Technical Institutes.

Competition for Schools

In collaboration with national and local institutions, ENEA organizes contests to award schools that produce and publish on the web, the most innovative learning objects. The winning classes receive also a photovoltaic kit, to be donated to African schools to light up a classroom.



Network of schools for a sustainable future

Schools are invited to join the “Network of schools for a Sustainable Future”, promoted by ENEA and Ministry of Education, in order to share school experiences and foster schools collaboration.

JOIN THE NETWORK OF SCHOOLS... YOU TOO!

