



**Agenzia nazionale per le nuove tecnologie,
l'energia e lo sviluppo economico sostenibile**

ENEA for Development Cooperation

Pathway to transition: the cooperation role (special session organized by ENEA)

*6th AIEE Energy Symposium Current and Future Challenges to Energy Security
Thursday – December 16, 2021*

Valentina Gentile – Coordinator, ENEA Task Force for development cooperation



The ENE logo is displayed in white, bold, sans-serif capital letters against a dark blue background.

Development
cooperation



ENE for development cooperation

In line with the Agenda 2030's Sustainable Development Goals, ENEA carries out cooperation activities on issues mainly focused on climate change and energy sustainability, building on:

- Technical and Scientific support
- Technology Transfer
- Training
- Projects
- Networks and partnerships

To promote discussion and interaction on these cross-sector and multi-disciplinary issues ENEA counts on the *Task Force for Development Cooperation* and the *Atlas for Development Cooperation*.



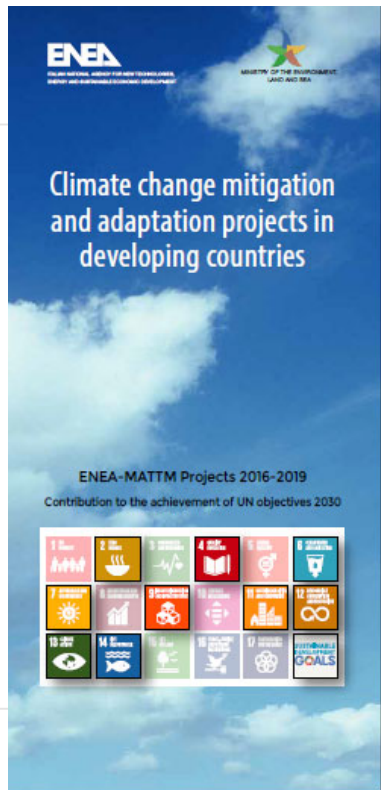
ENE for Development Cooperation - 6th AIEE Energy Symposium
December 16, 2021

Technical and Scientific Support

AICS-ENEA Collaboration

Since 2016 AICS (Italian Agency for Development Cooperation) and ENEA have been collaborating in the implementation of common projects.

Current collaboration is focused on **energy and mitigation of climate change**



ENEA-MiTE Collaboration started with former Ministry for the Environment, Land and Sea-MATTM

In 2016 ENEA and former MATTM started collaboration to promote **technological support initiatives in developing countries on climate change**

Projects have been implemented in several ambits in many countries



Caraibi Cuba Dominica Barbados	Corno d'Africa Sudan Djibouti Ethiopia	Medio Oriente Iran Lebanon	Pacifico del Sud Palau Solomon Vanuatu Tonga Kiribati FS of Micronesia Tuvalu
	Africa Subsahariana Botswana Lesotho Swaziland	Oceano Indiano Maldives Comores	

Decarbonization

Water and geological resilience

Climate-related early-warning systems

Marine and coastal areas protection



Training



ENEA grants researchers fellowships for training and career-oriented research at its own laboratories through dedicated programmes

ICPT-ENEA

Under the **ENEA - ICTP** (International Centre for Theoretical Physics) Collaboration Agreement, between 2018 and 2019 fellowships were granted to researchers from Africa and Asia.

TWAS-ENEA

Under the **ENEA - TWAS** (The World Academy of Sciences for the advancement of science in the developing countries) Collaboration Agreement, between 2018 and 2019 fellowships were granted to researchers from Sub-Saharan Africa.

AICS-ENEA

Under the ENEA-AICS Partnership Agreement a training programme on renewable energies, energy efficiency and cooperation opportunities has been implemented, involving AICS foreign offices.



Networks and partnerships

ENEA is member of national and international networks and collaborates with NGOs, CSOs and other actors in this field

FAO – Along with the major research organisations of the field (CREA, CNR, ISPRA), ENEA is partner of the Memorandum of Understanding to promote **joint research collaboration actions for sustainable food systems** mainly targeted at Middle East and Africa.



MEDENER – ENEA has been handling the Presidency of MEDENER, the **Mediterranean Association of National Agencies for Energy Management** (<https://www.medener.org/>), for several years.



RES4Africa: ENEA and RES4Africa have recently co-signed a **Memorandum of Understanding to encourage the development of agrivoltaics and green energy in the Southern Mediterranean**, by analyzing the potential of such systems to cope with the conflict on the use of soil, the protection of water, the development of renewable energy and climate change impact.



ENEA Atlas for Development Cooperation



In order to strengthen technology transfer and make its expertise known, ENEA has created the "Atlas for Development Cooperation".

- Online database
- Selection of ENEA's projects concluded or still in progress and of Agreements signed with institutional partners
- Selection of technologies most suitable for development cooperation interventions

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ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development

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ENEA Atlas for development cooperation

In order to strengthen technology transfer in developing countries and make its expertise known to those working in the sector, ENEA has created the "Atlas of technologies and projects for the 2030 Agenda and development cooperation".

It is a database of technical sheets of projects, agreements and technologies selected with attention to sustainability, optimization for local contexts and to foster - where possible - synergies with national realities.

The database allows you to search by agenda for the Agenda 2030, by country and by sector OCSE-DAC.

For information, please contact: cooperazione_sviluppo@enea.it

Goals: Select

Country: Select

Sector: Select

Typology: Agreement Project Technology

Textual research: [input field]

Find

<https://www.enea.it/en/international-activities/international-relations/development-cooperation/enea-atlas-for-development-cooperation>



Technologies and Projects in Developing Countries



ENEA actively contributes to **transfer technologies and know-how properly targeted at the local contexts of developing countries**, creating synergic **exchanges of knowledge** in close connection with businesses and other actors of the innovation system

The long-consolidated **cross-disciplinary expertise** in managing small and complex projects builds on **integrated intervention models**

Examples in the next sessions:

Experiences and challenges for solar energy in MENA Region

Presenter: Simona De Iuliis, ENEA TERIN-STS, Italy

Author: Simona De Iuliis

Renewable energy potential maps for Lesotho

Presenter: Massimo D'Isidoro, ENEA SSPT-MET-INAT, Italy

Authors: Massimo D'Isidoro, Lina Vitali, Francesco Pasanisi, Gaia Righini, Mabafokeng Mahahabisa, Mosuo Letuma, Muso Raliselo, Mokhethi Seitlheko.

meetMED II: Regional Cooperation for an Energy Efficient Future

Presenter: Corinna Viola, ENEA DUEE-SPS-MPE, Italy

Authors: Corinna Viola, Alicia Tsitsikalis

Renewable Energy in Djibouti: a Political, Technical and Economic Assessment

Presenter: Cecilia Camporeale, ENEA SSPT-STS, Italy

Author: Cecilia Camporeale, Massimo Angelone, Giacomo Pallante and Marco Stefanoni



Links and contacts

ENEA for Development Cooperation

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ENEA Atlas for Development Cooperation

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