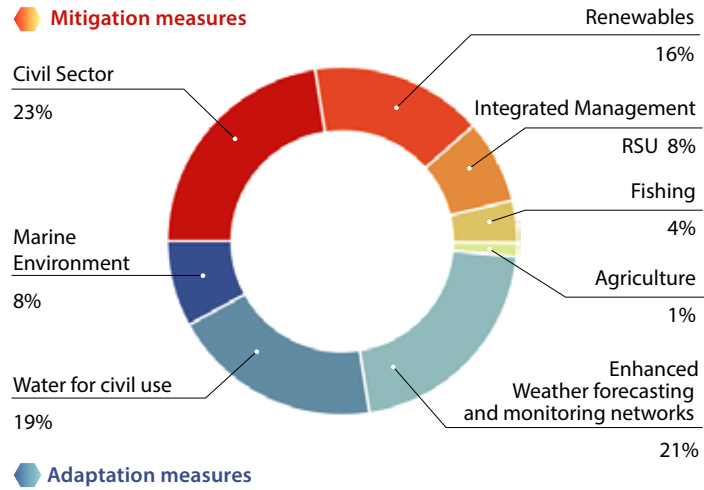
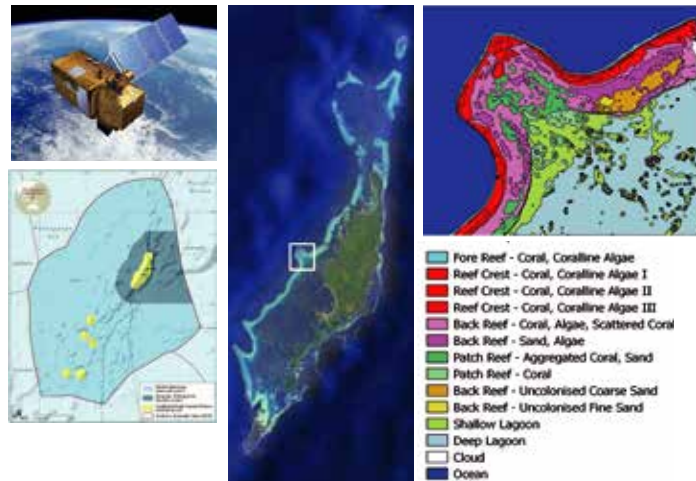


## Initiatives per sector of intervention



## ENEA HABITAT MAPPING



## ENEA - MATTM Collaboration

ENEA and MATTM collaborate since 2015 to ensure developing countries technological support to define, manage and implement climate change projects by way of:

- technical visits;
- ex-ante analysis of local situations and criticalities;
- involvement of national enterprises;
- project proposals;
- feasibility studies;
- technical specifications;
- identification and implementation of climate change adaptation and mitigation interventions proposed in concert and in collaboration with developing countries' local authorities;
- monitoring of the different intervention implementation steps;
- ex-post analysis of the efficacy of interventions.

**Italian Ministry of the Environment, Land and Sea**

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The Italian Ministry of the Environment, Land and Sea encourages and supports the efforts of developing countries in promoting environmental protection and sustainable development.

Following the Paris Agreement, the Ministry supports technology transfer under bilateral and multilateral collaboration agreements with the most vulnerable countries exposed to climate change risks.



ITALIAN NATIONAL AGENCY FOR NEW TECHNOLOGIES, ENERGY AND SUSTAINABLE ECONOMIC DEVELOPMENT

The Italian National Agency for New Technologies, Energy and Sustainable Economic Development is a public organization mainly focused on research and technology innovation, providing enterprises, public administration and citizens with advanced services in the fields of energy, the environment and sustainable economic development.



ITALIAN NATIONAL AGENCY FOR NEW TECHNOLOGIES, ENERGY AND SUSTAINABLE ECONOMIC DEVELOPMENT



MINISTRY OF THE ENVIRONMENT, LAND AND SEA

# Climate change mitigation and adaptation projects in developing countries

## ENEA-MATTM Projects 2016-2019

Contribution to the achievement of UN objectives 2030



## AGRICULTURAL AND WATER RESILIENCE

In the Smaller Island States of the Pacific Islands and in Ethiopia, 7 projects have been launched for providing safe water for farming and civil use. Among these:

- Project on Yap Island to collect and store rainwater in 5 communities of climate evacuees and create drought-resilient vegetable gardens;
- Project for sustainable management of water for civil use in 22 villages of Ethiopia to increase their water resilience under drought conditions. Development of renewable energy sources by replacing diesel engines with photovoltaic panels for water supply.

## ENERGY SYSTEMS DECARBONIZATION

ENEA provides scientific and technical support to implement projects for climate change mitigation and fossil fuels reduction.

In Africa (Botswana, Djibouti, eSwatini) and in the Federated States of Micronesia, ENEA supports projects for energy efficiency in public buildings and development of renewable energy sources.

In the Federated States of Micronesia it is involved in projects providing for the use of renewables in public schools.

It is also making studies and assessments of potential for wind, photovoltaic and geothermal energy in Djibouti and Lesotho and for ocean energy in the Maldives.

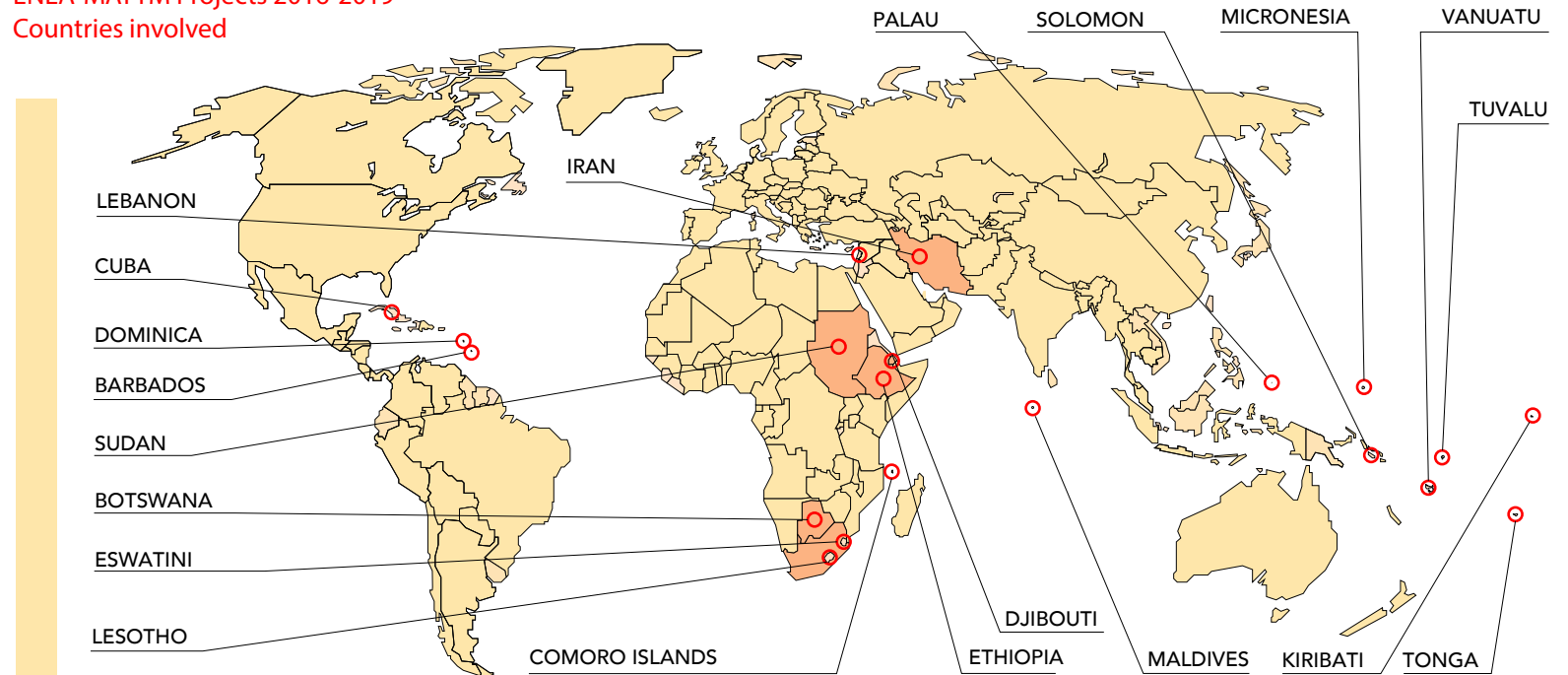


## CLIMATE EARLY WARNING SYSTEMS

In Ethiopia, the Maldives, Sudan, eSwatini and Botswana some projects providing for early warning systems creation or enhancement have been launched to forecast extreme weather events, such as wind storms, lightning, hailstorms, sudden floods and drought.

The projects are aimed at strengthening the monitoring networks and climate services using numerical models to generate seasonal forecasts useful in the agrometeorological sector. Hence the development of proper tools can be planned to predict climate variations, assess its impact on the ecosystems and the population, and implement better adaptation and decision-making strategies.

ENEA-MATTM Projects 2016-2019  
Countries involved



## MARINE AND COASTAL AREAS PROTECTION

In Tonga, Vanuatu and Cuba, ENEA is involved in projects for sustainable management of ocean resources by providing:

- Maps for monitoring the marine habitat and assessing the barrier reef ecosystems vulnerability of the associated coastal environments;
- Technologies and data for planning the maritime space to identify the areas to be protected and those that can be exploited for different economic uses;
- Technical and scientific support to governments on establishing differently protected marine areas, assessing the efficacy of protected marine areas networks and their connectivity.

