

MEDIUM TERM WORK PLAN

on

**COOPERATION IN THE FIELD OF CLIMATE CHANGE
VULNERABILITY, RISK ASSESSMENT, ADAPTATION AND
MITIGATION**

between

**THE MINISTRY FOR THE ENVIRONMENT, LAND AND SEA
OF THE ITALIAN REPUBLIC (IMELS)**

and

**THE MINISTRY OF THE ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT OF THE REPUBLIC OF PARAGUAY (MADES)**



Following the Memorandum of Understanding (MoU) signed in Rome, on November 8th, 2018, between the Ministry for the Environment, Land and Sea of the Italian Republic (IMEELS) and the Ministry of the Environment and Sustainable Development (MADES) of the Republic of Paraguay, the Signatories agree to implement the following Medium Term Work Plan (WP).

Objectives

The objectives of the present Work Plan are to identify and select activities and projects, that correspond to the general scopes of the MoU that are:

- to strengthen and coordinate efforts to combat global climate change address its adverse effects and reduce vulnerability;
- to support mechanisms to reduce climate change's impact and variability, increasing the adaptive capacity and disaster risk management, providing better resilience to vulnerable sectors;
- to promote secure, clean and efficient energy;
- to stimulate and disseminate the economic and technological transformation to low emissions;
- to implement adaptation and mitigation actions and opportunities to protect the environment and the natural resources.

The intention is to make a substantial contribution to the implementation of both adaptation and mitigation actions, to proper address and manage the current and future impacts of climate change in Paraguay.

Description of Activities within the areas of interest

In accordance with Article 5.2 of the aforementioned MoU, in the course of the implementation of the projects and activities, consideration will be given to the participation of the public, private and non-profit sectors and, where appropriate, Universities, scientific and technical research bodies and Non-governmental Organizations, as well as Institutions coming from Italy and Republic of Paraguay.

Following Article 2 of the MoU, and taking into account the indications provided by the Nationally Determined Contributions (NDCs) submitted on October 2015 by Paraguay, this WP aims to focus on the following areas of interest:

1. **Water sector:** integrated management of water resources;
2. **Energy sector:** promotion and development of renewable energy and enhancement of energy efficiency;
3. **Disaster Risk Reduction:** strengthening the disaster risk governance and the national capacities for disasters prevention, mitigation and preparedness;
4. **Forestry sector:** reduction of deforestation and promotion of a sustainable forest management;



5. Agricultural sector: promotion of sustainable agricultural practices.

1. Water sector

The objective is to improve quality and quantity of water resources through their integrated management and planning. To this end, cooperation will be focused on the following possible activities:

- Strengthening the monitoring national water system through the integration and improvement of data on: rainfalls, water quality, hydrological situation and water balance, so as to improve water resources planning and assessment of future availability under different climate change scenarios;
- Improve access to water, especially in rural areas, by reinforcing the infrastructures, reducing water loss within the supply network, and introducing innovative techniques for resource management.
- Support the development of a sectorial plan for adaptation of water resources.

2. Energy sector

The aim is to reduce the emissions in the energy sector promoting the transition towards low-carbon energy sources and enhancing energy efficiency.

To this end, cooperation will be focused on the following possible activities:

- Promote the use of renewable energies and energy efficiency, in order to achieve the NDCs target through the implementation of pilot projects.
- Support the implementation of Paraguay's Energy Policy (2016).

3. Disaster Risk Reduction

The aim is to strengthen the national technical capacity of local expertise in terms of disaster and environmental management, enhancing Disaster Response and Readiness.

To this end, cooperation will be focused on the following possible activities:

- Improve collection, analysis, management and dissemination of meteorological data relevant to the observation of climate change, the measurement of its impacts and the evaluation of mitigation and adaptation actions;
- Promote an effective early-warning system and an integrated risk management strategy to improve resilience to extreme weather events in order to reduce the vulnerability of the population and of the sectors most exposed to risk;
- Promote the implementation of the Sectorial Plan for Disaster Risk Management, Reduction and Adaptation on climate change in the agriculture sector.

4. Forestry sector

The aim is to promote sustainable forest management, reduce emissions in the forestry sector, originating in particular from deforestation, while ensuring a sustainable low



carbon economic growth. To this end, cooperation will be focused on the following possible activities:

- Better knowledge of forests resources;
- Support the establishment of the carbon sink;
- Support the identification of highly degraded/ potentially able to be restored areas of forest
- Support the identification of successful actions and actors to facilitate the scale up of private investments in REDD+.

5. Agricultural sector

The aim is to promote sustainable agricultural practices so as to enhance national food security, reduce GHG emissions, prevent land degradation and support degraded land recovery.

To this end, cooperation will be focused on the following possible activities:

- Support the updating of agroecological zoning for the territorial planning of production.
- Promote the *Climate Smart Agriculture* approach (CSA) through good agricultural practices;
- Promote technology transfer for land conservation and recovery;
- Reinforce the capacity of agricultural producers through the sharing of knowledge regarding good agricultural practices.

Means of implementation

The activities under the aforementioned sectors will be implemented through the following means of implementation:

- Supporting institutional enhancement, capacity building on human resources and inter-institutional coordination for planning and management;
- Creation of citizen awareness and development of education programs;
- Ensuring participation of the society, local communities, women, men, youth, civil organizations and private sector in national and sub national planning;
- Sharing of resources, technologies and information, exchanging of experiences, best practices, trainees and personnel;
- Organization of workshops, presentations and meetings.




Entry into force

This Work Plan will enter into force after the signature by the Signatories

This Work Plan is agreed and signed in Madrid, on December 11th, 2019.

**For the Ministry for the
Environment, Land and Sea of the
Italian Republic**

**Director General
Oliviero Montanaro**



**For the Ministry of the Environment
and Sustainable Development of the
Republic of Paraguay**

**Director
Ulises Lovera**

