



# AGRICULTURE AND CLIMATE CHANGE CHALLENGES AND OPPORTUNITIES AT GLOBAL AND LOCAL LEVEL

## COLLABORATION ON CLIMATE-SMART AGRICULTURE

To promote climate-smart agriculture (CSA) at global and local level and to transform agricultural systems facing climate change, the **Italian Ministry of Environment, Land and Sea (IMELS)** and the **Food and Agriculture Organization of the United Nations (FAO)** have joined efforts in a project to scale-up climate-smart agriculture. The project supports the following activities:

- Implementing the Global Alliance for Climate-Smart Agriculture (**GACSA**);
- Developing knowledge products such as technical briefs, compendia and e-learning courses;
- Promoting increased uses of CSA at field level.

## BOTSWANA

**Integrating traditional practices and CSA into crop and livestock production systems in Botswana:**

- Identifies CSA options for improving crop and livestock production systems, integrating traditional practices and innovative technologies/practices;
- Strengthens capacity for innovative research and extension approaches.

**Primary partners:** Ministry of Agriculture, Ministry of Environment, University of Botswana, small farmer organizations, local governments in three districts.

## ECUADOR

**Strengthen climate-smart approach for cocoa production under the Chakra agroforestry system in the Napo Province:**

- Strengthens cocoa quality and business capacities (certification, cadmium traceability, carbon sequestration and market opportunity, financial strategy for farmers);
- Supports cocoa biodiversity conservation;
- Trains farmers on CSA with extension services on carbon sequestration, e-learning courses and other knowledge products.

**Primary partners:** Ministry of Agriculture, Ministry of Environment, local government in Napo region, local farmer organizations and the private sector.



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