



ESTADO PLURINACIONAL DE BOLIVIA



MINISTERIO DE MEDIO AMBIENTE Y AGUA

# SECTORIAL PROGRAM OF ADAPTATION TO CLIMATE CHANGE FROM BIODIVERSITY AND ECOSYSTEMS

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EMBAJADA REAL DE DINAMARCA

# Overview

1. National Mechanism of Climate Change Adaptation
2. Sectoral Program on biodiversity and ecosystems:
  - Objective 1: Vulnerability Assessment
  - Objective 2: Components and actions lines
  - Objective 3: Participatory Consultation

# 1. National Mechanism for Climate Change Adaptation

National Program of Climate Change

Viceministry of Environment,  
Biodiversity and Climate Change

Minister of environment and water

# National Mechanism for Climate Change Adaptation

## *Strategic Objectives:*

**1.**  
To reduce  
climate change  
vulnerability  
in the country

**2.**  
To promote  
planned  
adaptation in  
different sectors

# National Mechanism for Climate Change Adaptation

## Main Sectors (5)

Water Resources

Food Security

Health

Risk Management

Ecosystems and Biodiversity

## Transversal Sectors (3)

Scientific Research

Education

Traditional knowledge

## 2. Sectoral Programs

### Sectoral programs

#### General objective

To support the establishment of a institutional coordination framework in order to increase resilience to climate change.

# Sectoral Programs

## Specific objectives

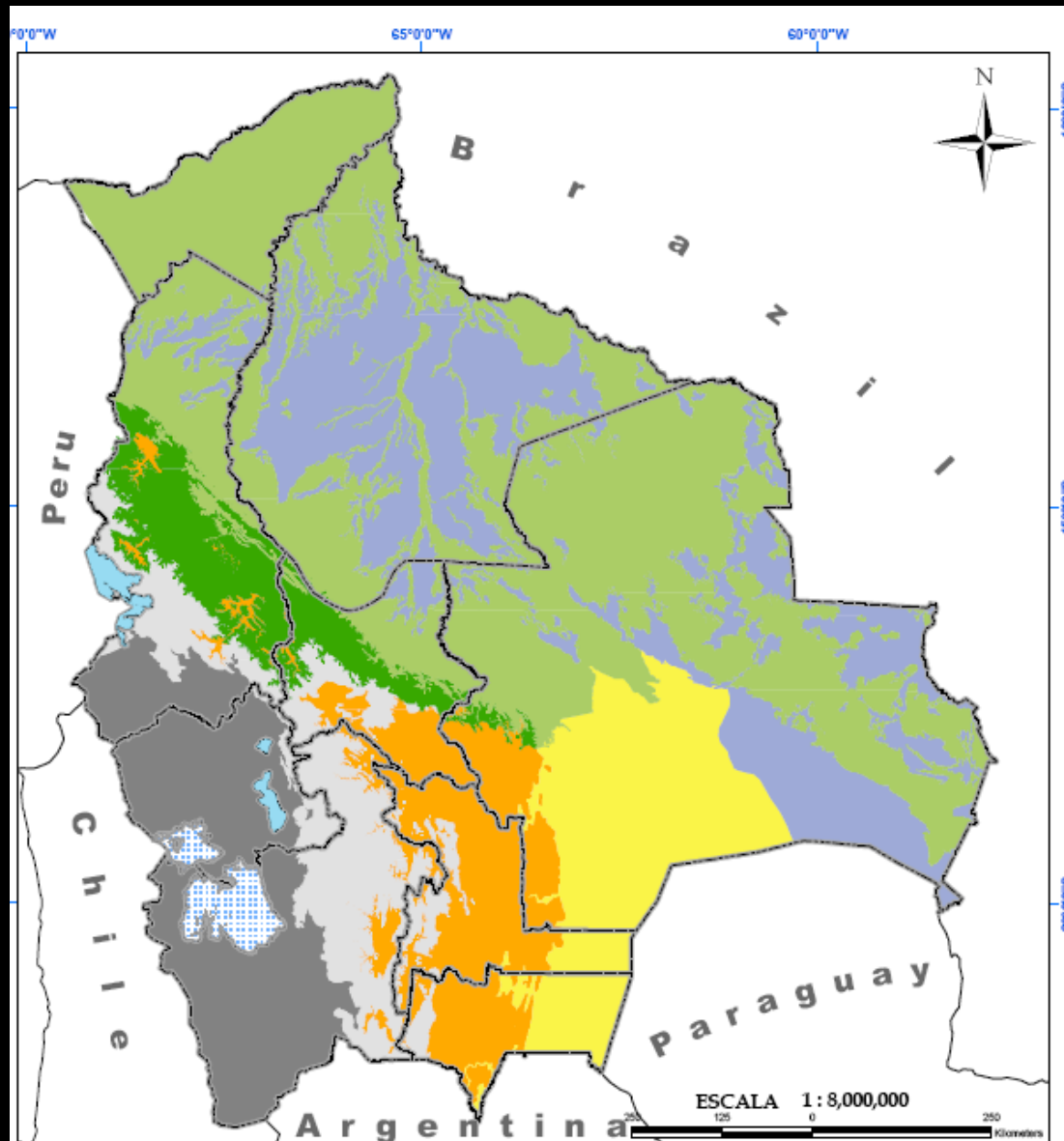
1. Vulnerability assessment to climate change of the country with the analysis of current and future climate risks.
2. Develop guidelines for an action plan proposal to be implemented in the Sectoral Program of Adaptation to Climate Change.
3. Develop a participatory consultation regarding the sectoral program.

# First objective: Vulnerability assessment to Climate Change

1. Impact of climate change on biodiversity diagnosis
2. Institutional and Stakeholders diagnosis



# 1. Impact of climate change on biodiversity



## 2. Institutional diagnosis

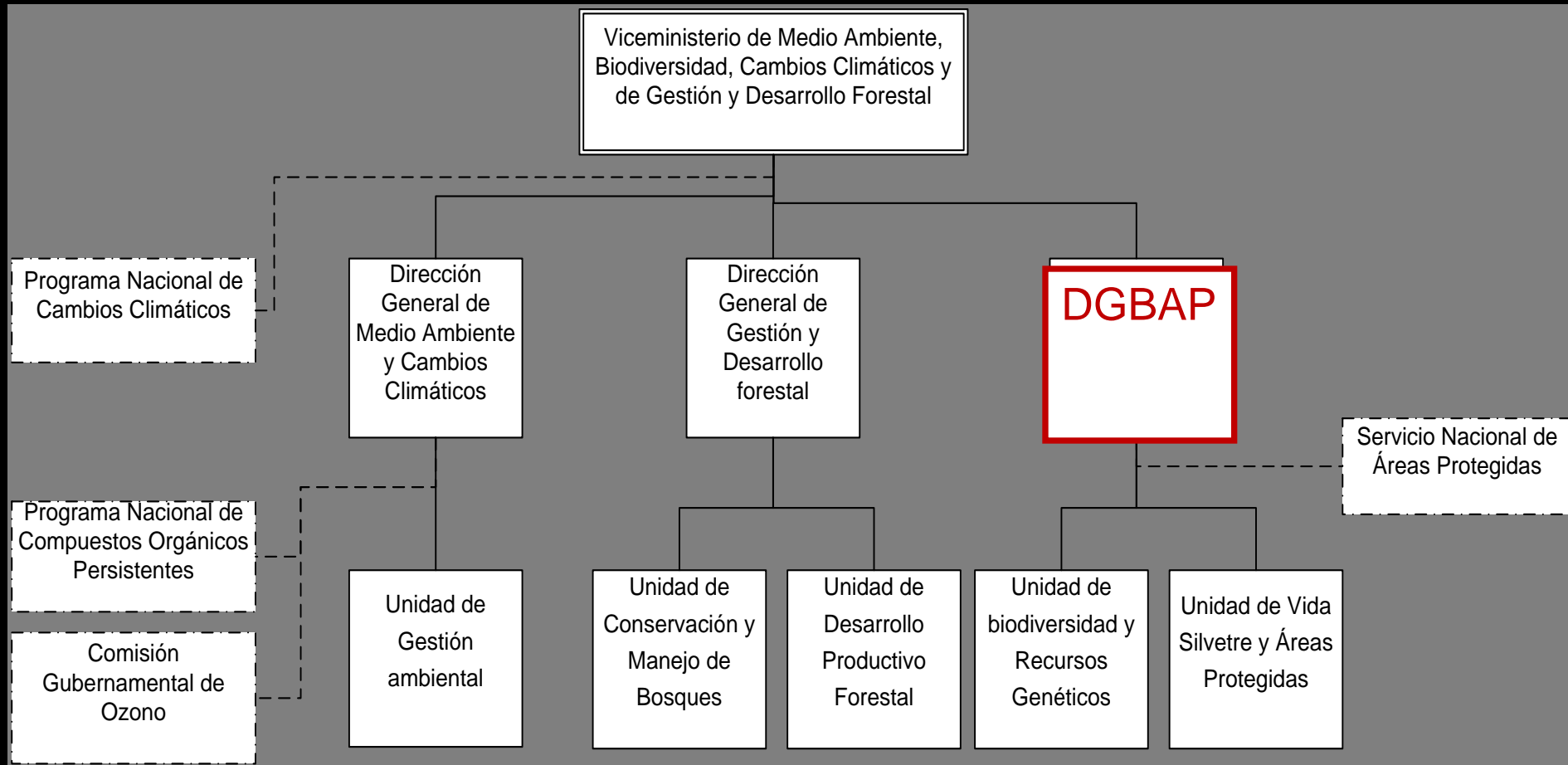
### Viceministerio de Medio Ambiente y Agua (VMA)

VMA's mission is to formulate and implement policies, strategies, programs and projects for the conservation and sustainable use of natural resources and environmental protection.

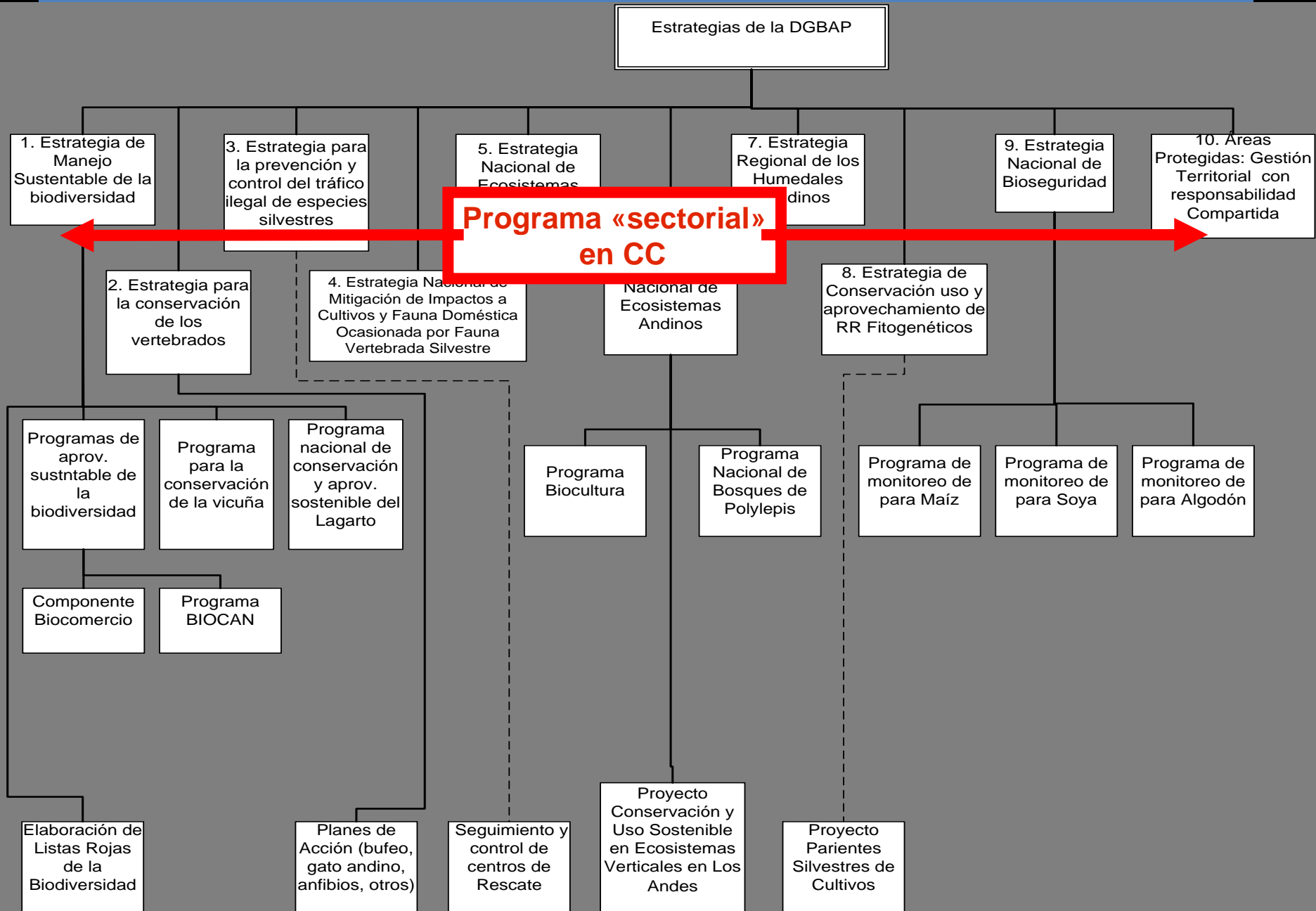
## The role of the VMA in climate change is:

- Promote and implement policies, strategies, programs and projects.
- Coordinate actions to develop and implement adaptation and mitigation to CC.
- Incorporate risk management at national, departmental and municipal levels.
- Integrate national actions in the international agenda.

# VMA organization chart



# DGBAP organization chart



# Progress of the integrations on climate resilience in DGBAP

## 1. Climate change and biodiversity strategies

Vicuña Conservation Program

## 2. Climate change Ecosystem Strategies

National Program of Biocultura  
Vertical Andean Ecosystems Project

## 3. Climate change and genetic resources strategies

Wild Relatives Crops Program

## Second objective: Components and action lines for ecosystems and climate change

# Sector Program Adaptation to Climate Change from the Biodiversity and ecosystems

## *General objective*

Reduce the vulnerability of “Biocultural Systems” against the threats and impacts of climate change through adaptation measures in the conservation and sustainable use of biodiversity.



# Components

- A. Integration of the issue of climate change in the national policies.
- B. Develop of capacity to face climate change.
- C. Adapting to climate change from ecosystems.
- D. Adapting to climate change from protected areas.

*A: Integration of the issue of climate change in the national policies.*

Action lines

Implementation of the Sectoral Program

Incorporation of adaptation measures along strategies and programs that promote conservation and restoration of biodiversity

## *B: Develop of capacity to face climate change*

### **Action lines:**

Guide the design and implementation of Biodiversity Information System (SIB) with criteria and indicators of climate change.

Reinforce the capacity of the sector through the management of the information, regarding threats, impacts, vulnerability and effectiveness of adaptation measures implemented.

Promote research on Biocultural Systems and traditional knowledge on climate change

## *C: adapting to climate change from ecosystems*

### Action Lines

Execute a set of land use planning at national, departamental and municipal level.

Reduction of stress factors based on anthropogenic facts.

ex situ and in situ conservation of species.

Conservation and restoration of ecosystems to provide environmental functions.

# D: adapting to climate change from protected areas

## Action lines

Integration of climate change strategies in SERNAP.

Implementation of adaptation measures in PA.

Identification and preservation of climate refugees.

Protection of environmental gradients.

Support for the establishment of PAs departmental, municipal and local people.

# Third Objective: Participatory Consultation Process

# Three main events

Initial workshop with experts in biodiversity, ecosystems and Climate Change.

Workshop with authorities from Departmental and Municipal level

National Workshop





**thank you very much  
for your attention**