

# Co<sub>2</sub>sta Rica

## The National Climate Change Strategy and the Carbon Neutrality Challenge

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June, 2009



Ministry of Environment, Energy,  
and Telecommunications



**Objectives:** Become a “Climate Neutral” economy by the year 2021



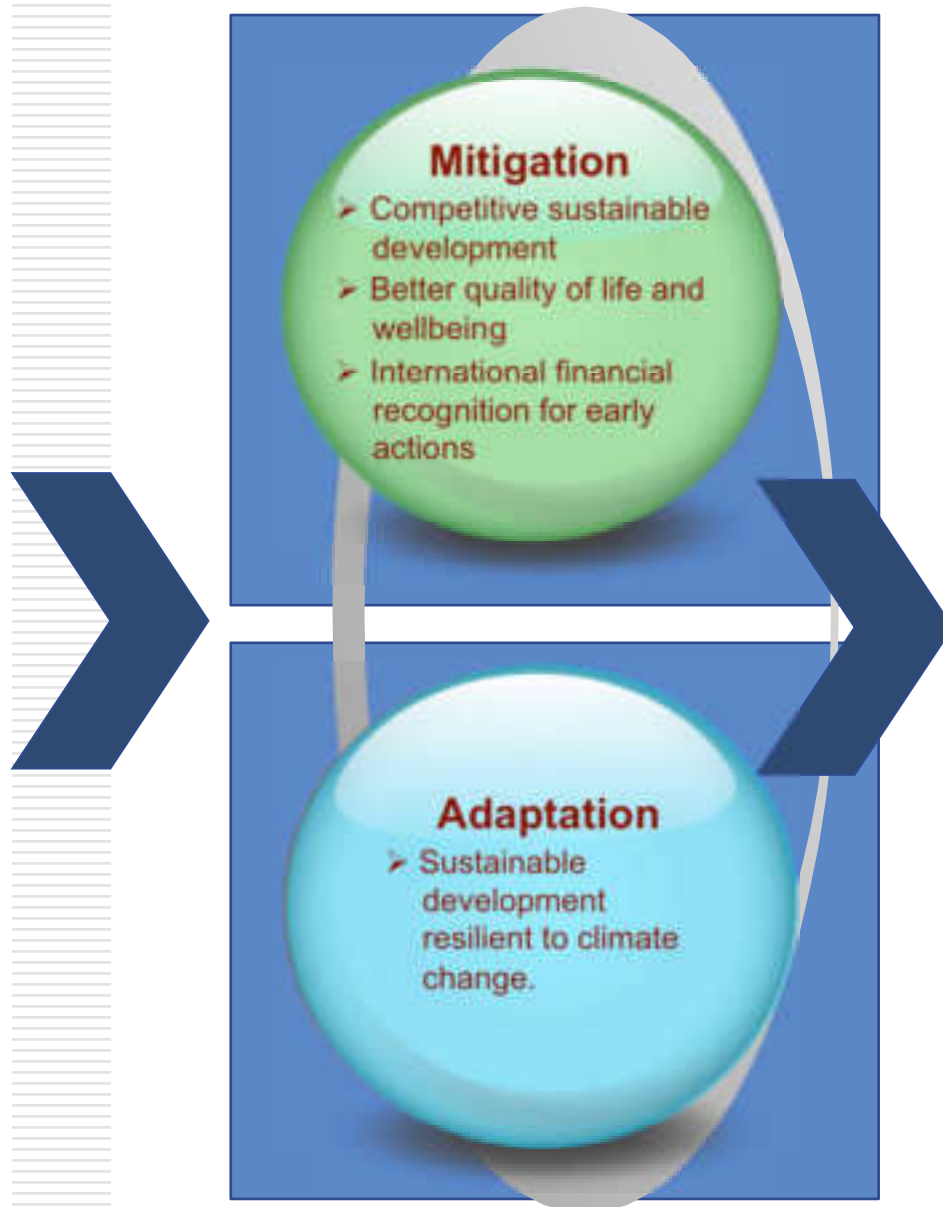
1- Sustainable development strategy with low carbon emission pathway :

- Promote renewable energy
- Social development
- Economic growth
- Consolidation of the National Protected System

2- Ensure adaptation to climate change impacts

3- Enhance the Country’s Competitiveness

4 - International leadership and contribute to a climate change global solution



## Results

- Sustainable human development
- Poverty reduction
- Social progress
- Environmental protection
- Economic growth
- Time, cost and quality improvement in public transportation
- Health improvement

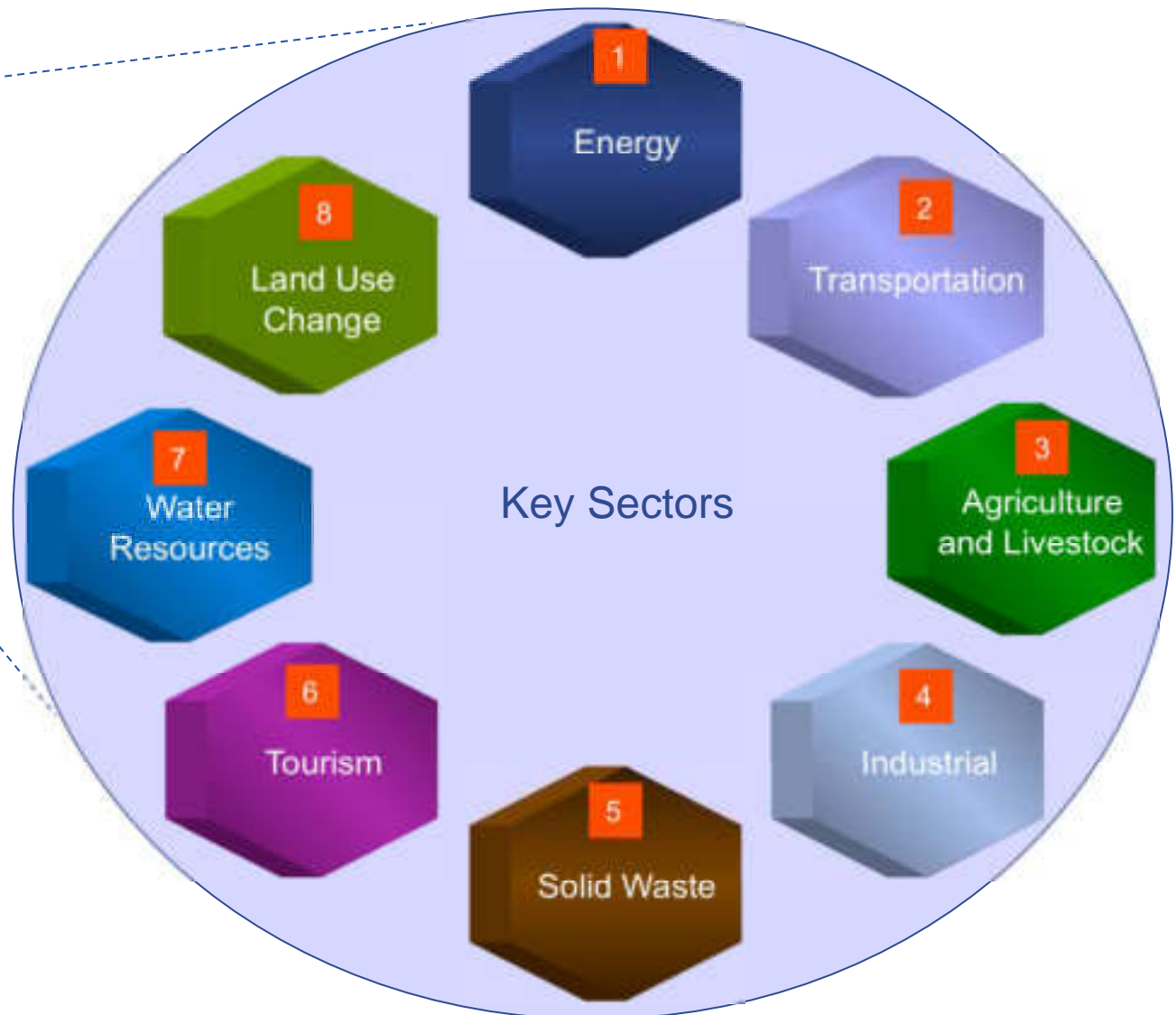
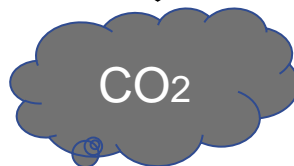
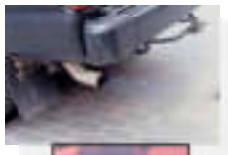
**The greenhouse gas anthropogenic emissions balance will be neutral by the year 2021.**

- This balance is defined as the sum of all anthropogenic CO<sub>2</sub>e emissions PLUS the national continental territory MINUS the CO<sub>2</sub> sequestration and avoided emissions.
- By the year 2021, this balance must be zero.

$$\begin{array}{l} \text{Balance} = \text{Anthropogenic CO}_2\text{e emissions} - \text{CO}_2 \text{ sequestration and avoided emissions} \\ \text{Balance year 2021} = 0 \end{array}$$

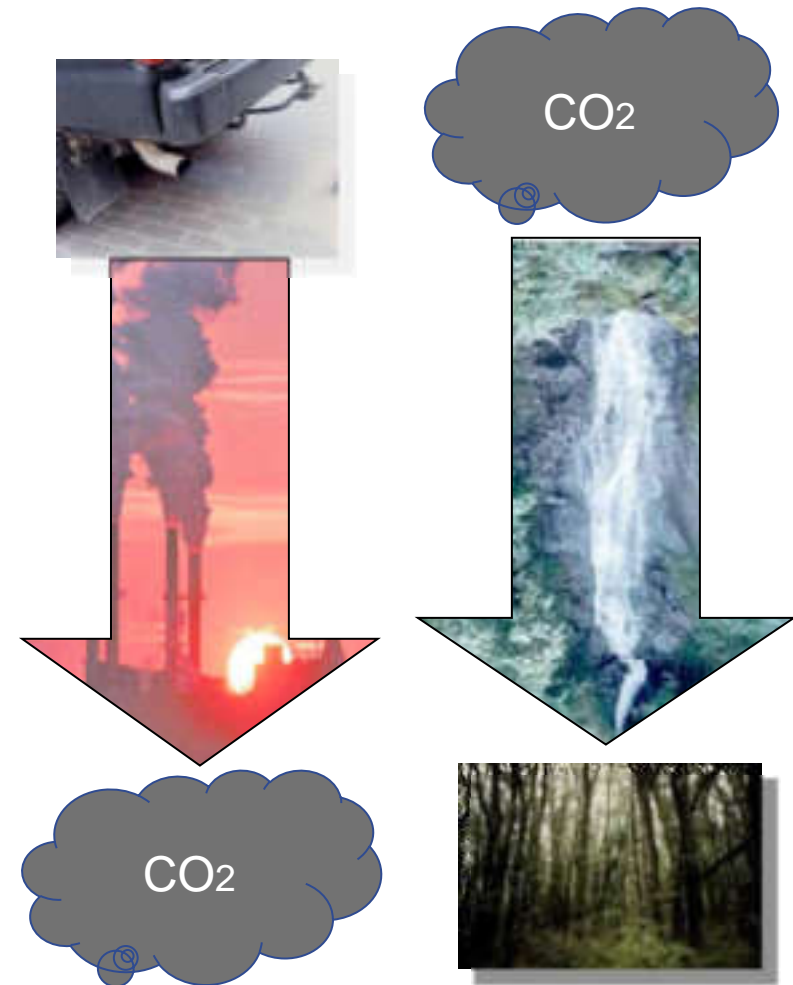


## I. Reduction of GHG emissions by sources





- ❖ **GHG emissions reduction and capture increase by sinks.**
- ❖ **Use 100% sources of renewable energy**
- ❖ **Improve composition of the energy supply matrix (biofuels, for example) and the energy consumption matrix (efficient and effective energy use).**
- ❖ **Enhance the Environmental Services Program**
- ❖ **Ensure consolidation of protected areas system**





# Mitigation Subaxes



Reduction of GHG emissions by sources

CO<sub>2</sub> sequestration (Biological)

Carbon fixation through reforestation, with an integral vision

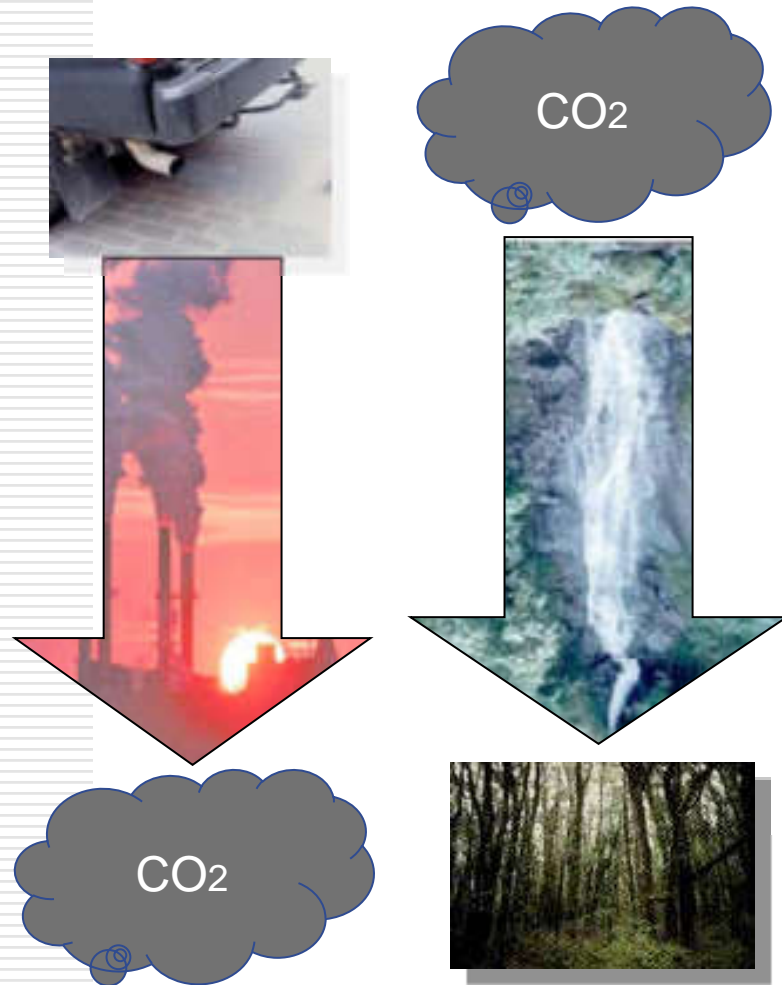
(biodiversity, water resources, soil protection, scenic beauty, impact on communities, etc.)

III. Carbon Markets (Emissions Compensation)

- A. National
- B. Internactonal



# The Structure of Carbon Neutrality





## Initiatives that will:

- Enhance the competitive position
- Improve corporate responsibility
- Develop new c-friendly products
- Reduce risks:
  - Infrastructure
  - Investments



**ONCE THE TARGET MARKET HAS BEEN DEFINED, COMPANIES MUST:**

- ❑ **Differentiate products and services by adding value to consumers using the carbon footprint as an additional advantage**

“Climate quality” (zero impact)

- ❑ **Establish an appropriate (competitive) cost structure incorporating the carbon footprint.**

Cost reduction through efficiency and better use of resources

## ❖ Tourism: “C-Neutral trips to Costa Rica”

- Promote emission compensation activities through a **clean trip** initiative.

## ❖ Production of goods and services: “Made C-Neutral in Costa Rica

- Promote emission reduction in **processes**, **goods** and **services**.
- Attract **compensated investments** through a policy of emission compensations.

## ❖ Energy: “C-Neutral Electricity in Costa Rica”

## ❖ Emission compensation for companies outside Costa Rica: “Made C-Neutral in Costa Rica” ( “C-Neutral” recognition to foreign companies with production outside Costa Rica):

- Promote compensation activities through a compensated products and services.

## ❖ C-Neutral Banking

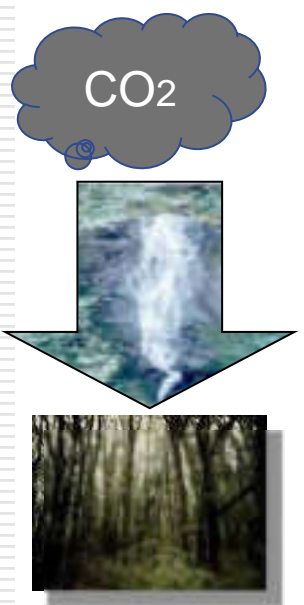
## ❖ C-Neutral Universities

## ❖ C-Neutral Government

# Benefits of C-Neutrality

## Benefits of becoming a low emission economy





CO<sub>2</sub> Carbon Sequestration



Carbon sequestration in forests and reforestation

These are some ongoing initiatives as some examples



# Payment for Environmental Services Program (PESP)

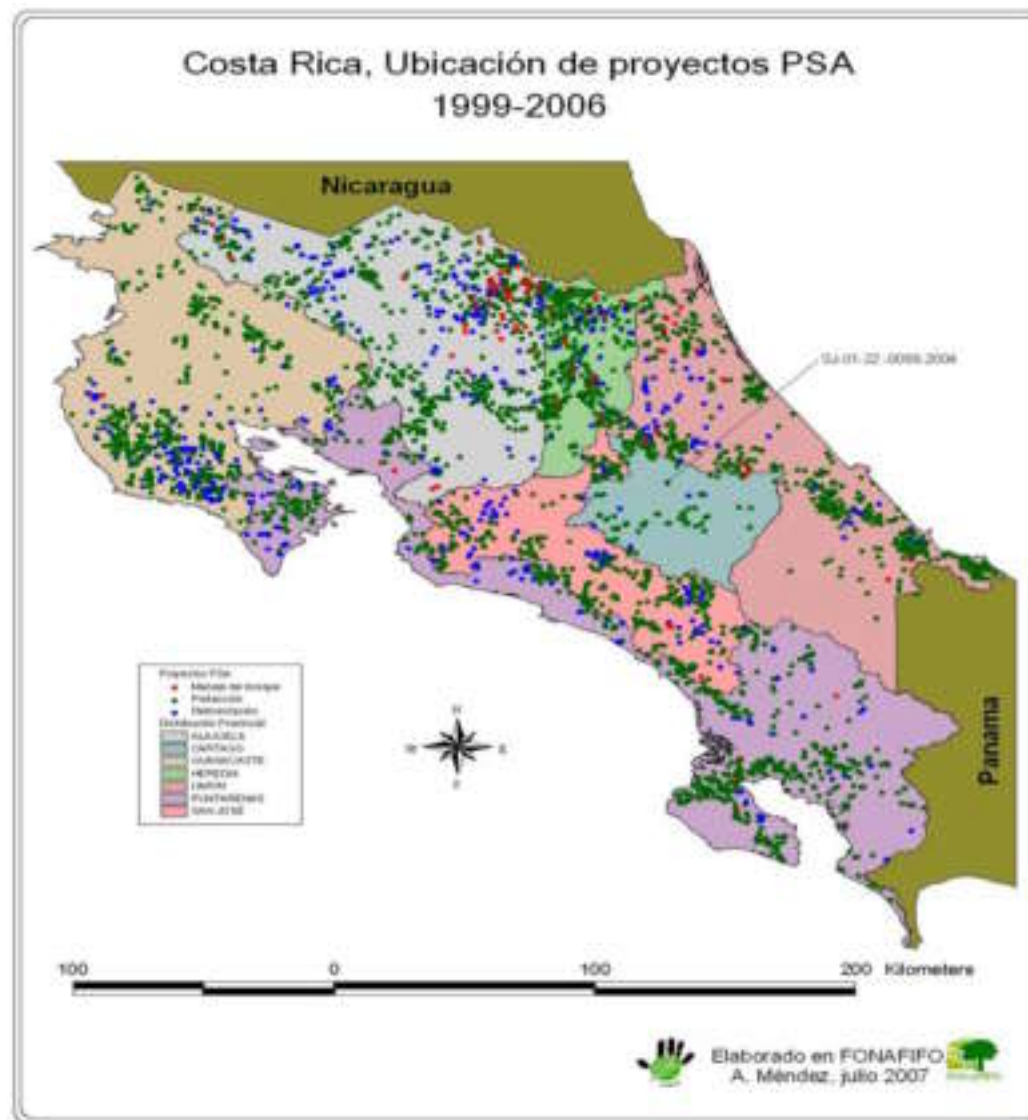



FONAFIFO receives 3.5% of consumption tax on fuels to run PESP

Goal to dedicate 6 thousand reforested hectares per year to PESP

Benefits:

- ❖ Forest Protection
- ❖ Reforestation
- ❖ Agro-Forestry Systems



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- A vertical decorative element on the left side of the slide, consisting of four green tree icons arranged in a column on a dark green background.
1. Promotes a reduced impact of the individual over the environment through an economic retribution.
  2. Promotes shared responsibilities.
  3. GHG emissions into the atmosphere are reduced through the financing of carbon fixation forestry programs.
  4. Recognizes the importance of preserving the biodiversity and scenic beauty of diverse forest ecosystems.



# The Clean Trip Initiative



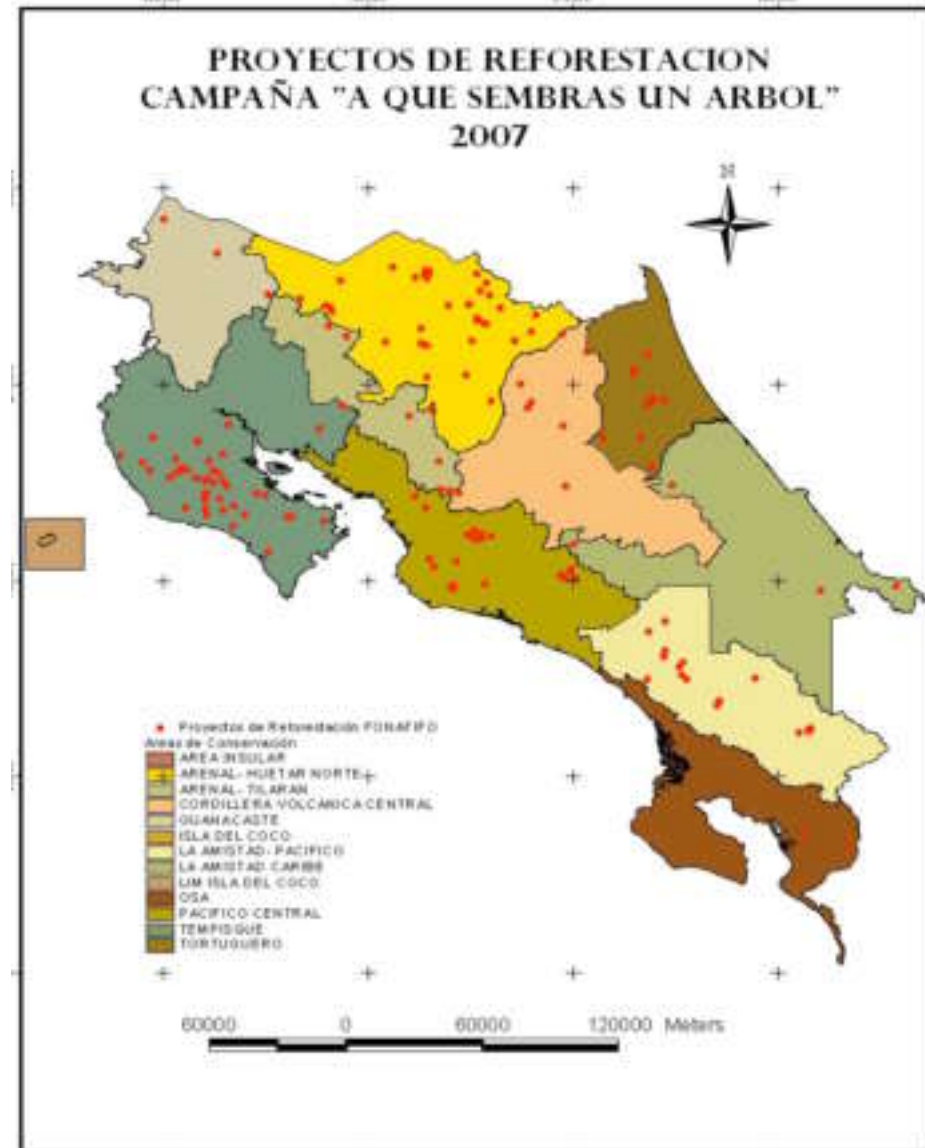
Promote among air transportation users an alternative to **VOLUNTARILY** mitigate emissions generated by fossil fuel use

through forest-related mechanisms, thus contributing to Costa Rica`s goal to becoming carbon neutral.



## Ojectives

- Promote reforestation, agri-forestry systems, and forest management
- Protect our water resources and other highly vulnerable areas
- Regenerate forest cover
- Secure the supply of sustainable wood
- Reduce the effects of climate change



**Estrategia Nacional de  
Cambio Climático**  
Costa Rica - Resumen

**THANK YOU**

**"Para atrevernos a actuar  
y adaptarnos a lo inevitable"**

