

# Inventarios de GEI

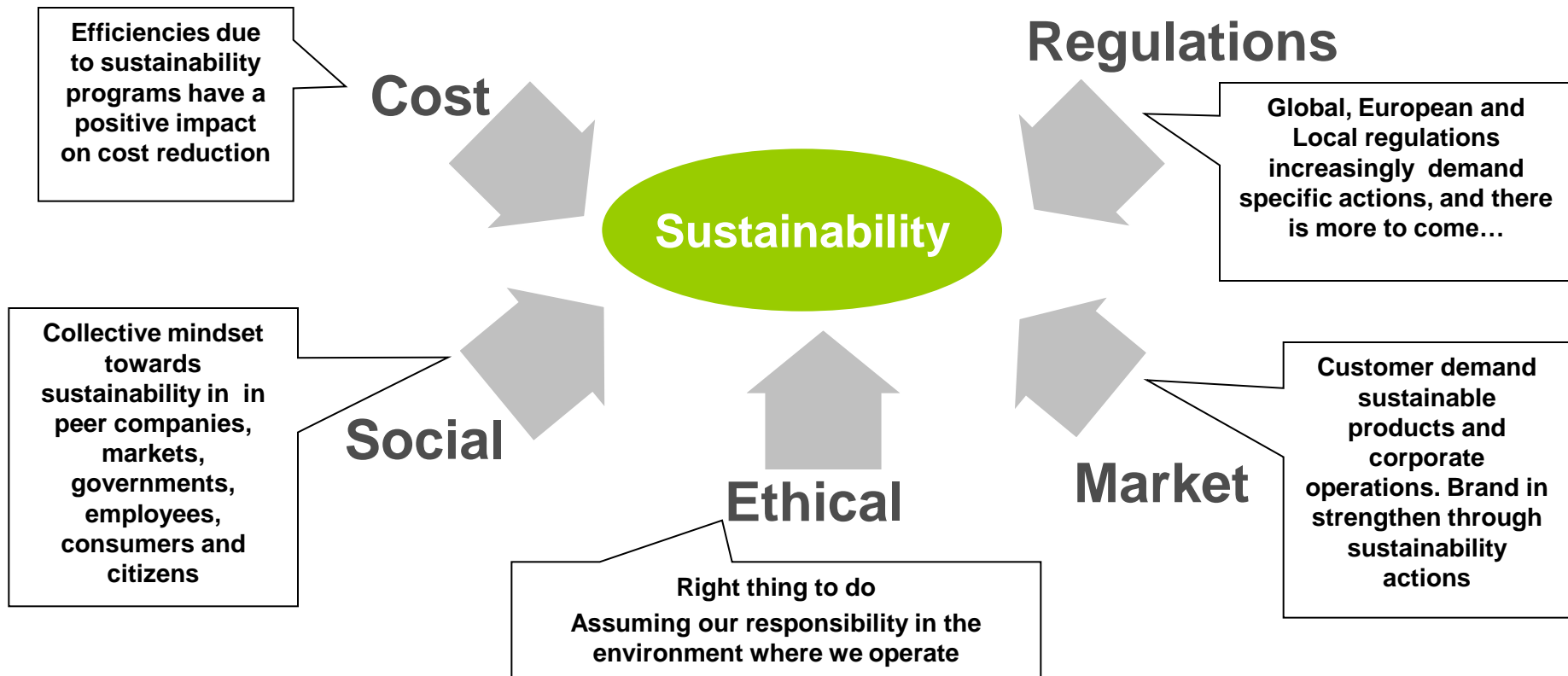
**MIGMA**

2011-2012

**Freijo Corbeira**  
**Juan José**

# Why sustainability...?

**Increasing pressure on companies are forcing companies to sustainably sustainability strategies**



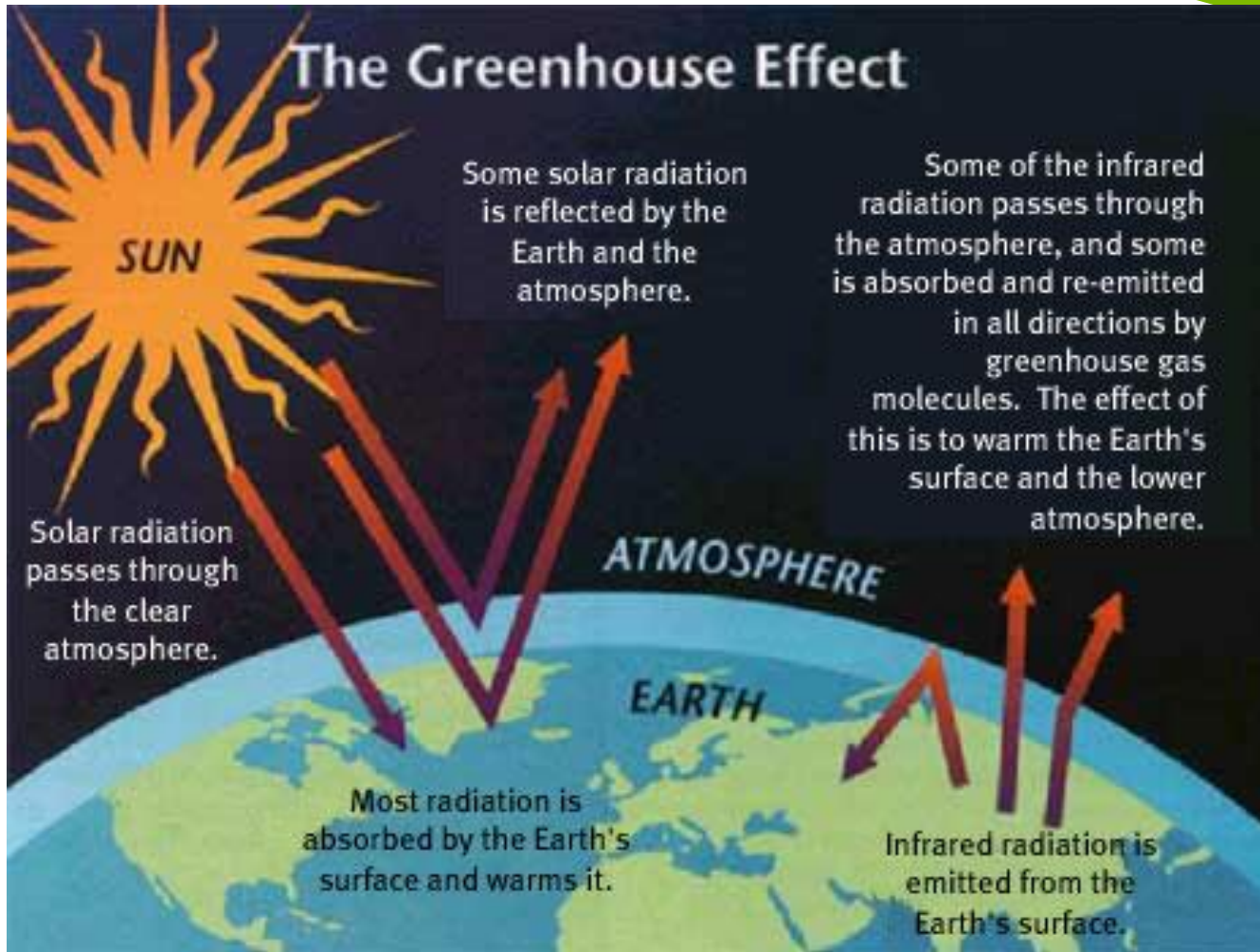
***“Despite Economic Pressures, Majority of Companies Plan to Increase Emphasis on Sustainability”***

*Reuters Analysts*

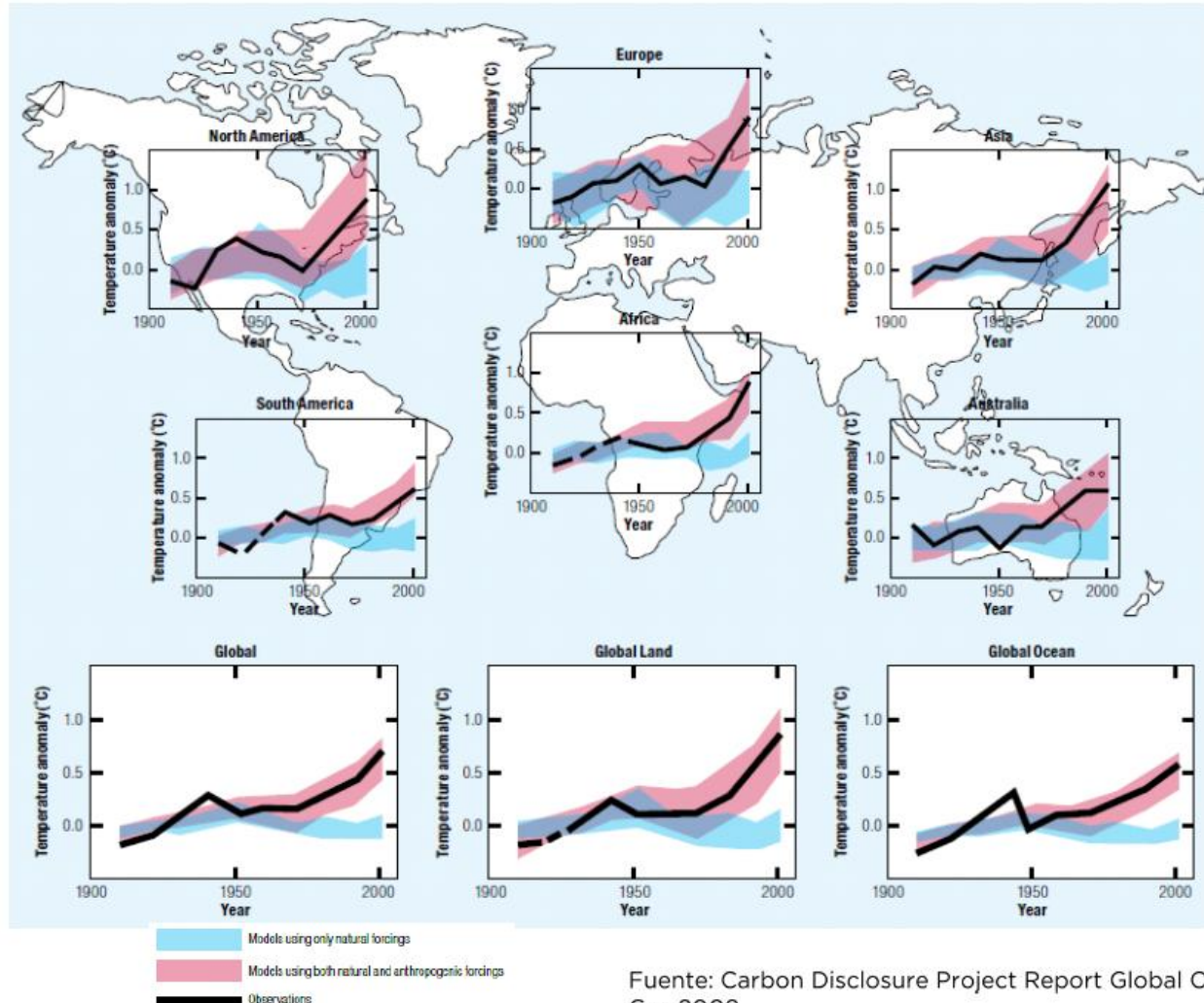


# GREEN HOUSE GAS, GLOBAL WARMING

*What is it?*



# Climate Simulations...



Fuente: Carbon Disclosure Project Report Global Oil Gas 2009

# CO2 and environment

Other types of pollutants

- **Politics and specially laws are already set to control this problem**
- **Highly Regulated**
- **Mostly a local problem.**

Traditional Environmental Policies

CO2 and other Greenhouse gases

- **Politics & law follow society**
- **Regulation still not fully developed**
- **Global issue: CO2 does not respect borders**

Climate Change

CO2 NEW Economy

# CO<sub>2</sub> Reduction Programme

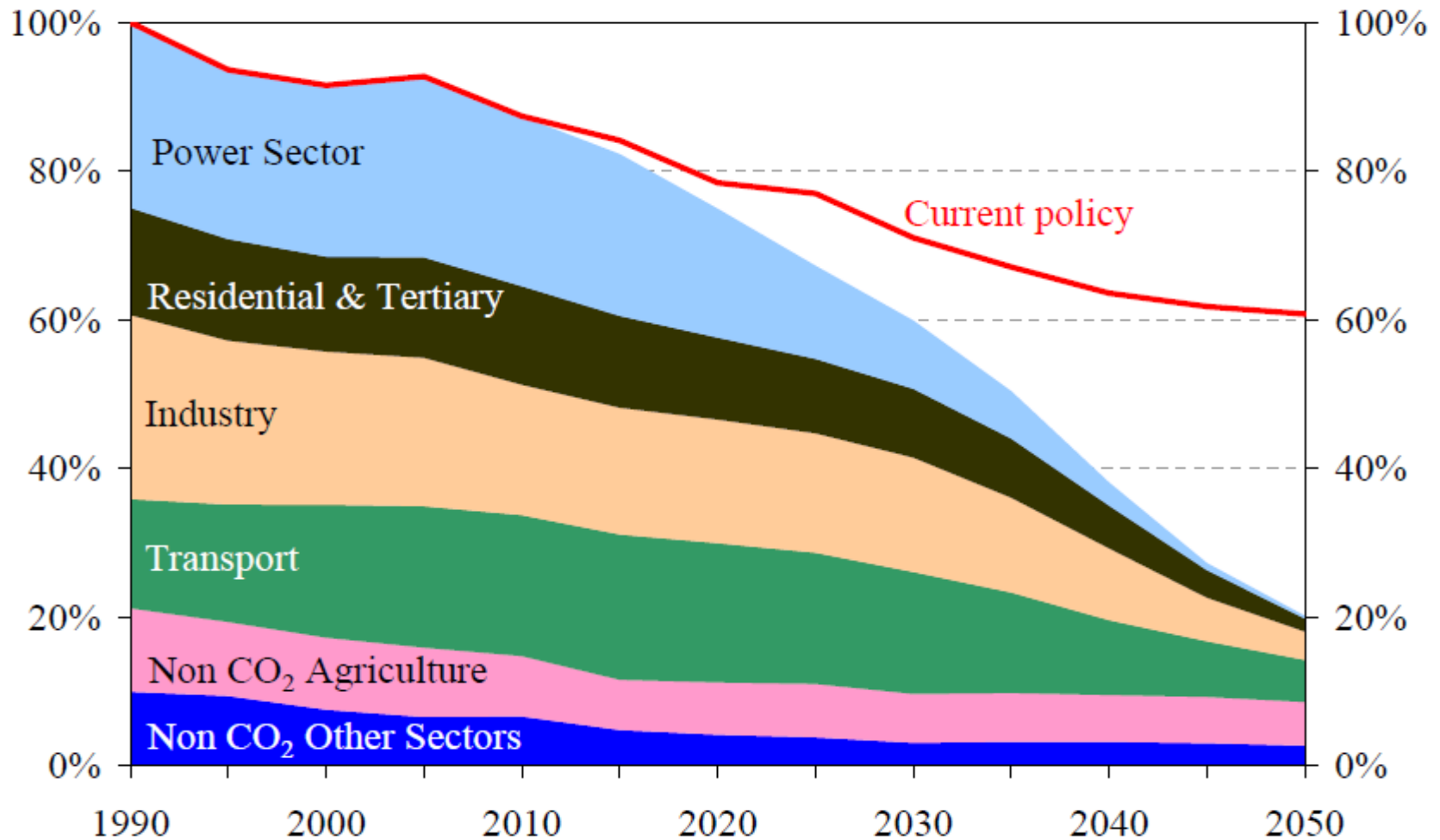
## CO<sub>2</sub> REDUCTION PROGRAM

Believe it or not...  
the Low Carbon Economy is here...

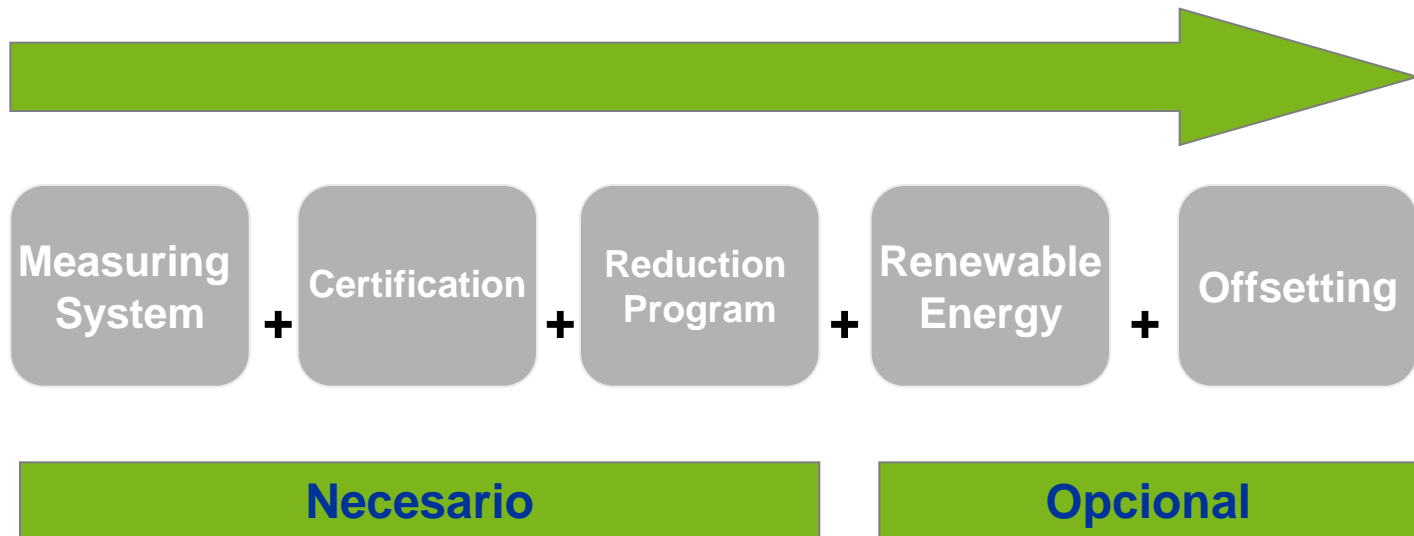


# EU Commission March 2011

## Low Carbon Economy EU Roadmap → 2050 Targets



# Programa de Reducción de CO2





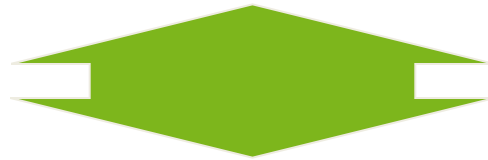
# Standards for Carbon Inventory

Measuring System



## The Greenhouse Gas Protocol Initiative

*The foundation for sound and sustainable climate strategies*



**- 14064**

# Principios

Measuring  
System



## The Greenhouse Gas Protocol Initiative

*The foundation for sound and sustainable climate strategies*

- **RELEVANCE**
- **COMPLETENESS**
- **CONSISTENCY**
- **TRANSPARENCY**
- **ACCURACY**

# Ambitos de Medición

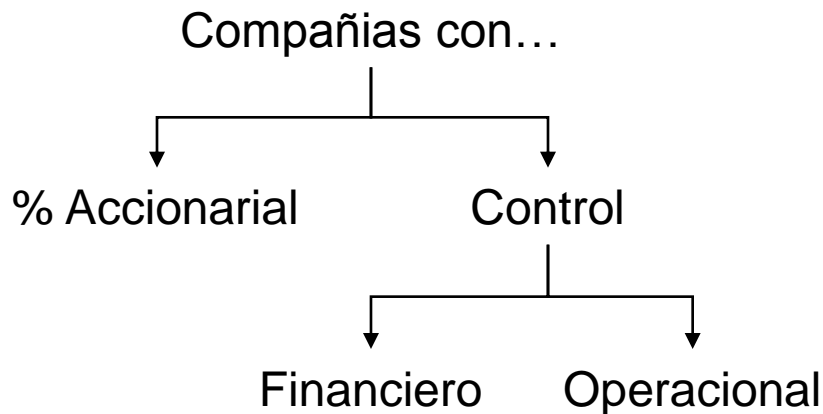
Measuring System



The Greenhouse Gas Protocol Initiative  
The foundation for sound and sustainable climate strategies

## ORGANIZATIVO

## OPERACIONAL



Scope 1

Scope 2

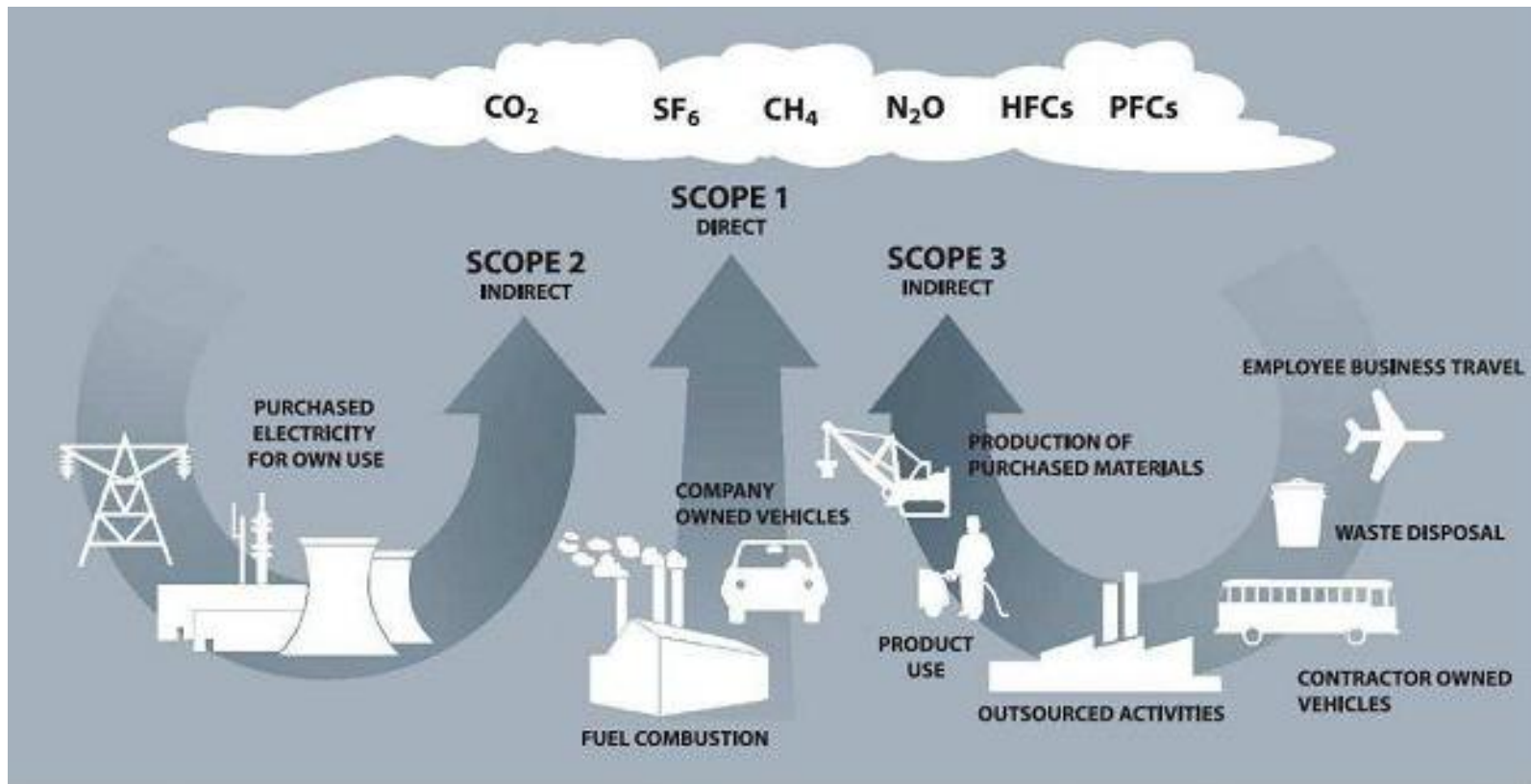
Scope 3

¿Dónde?

¿Qué?

# Scopes 1, 2, 3

Measuring System

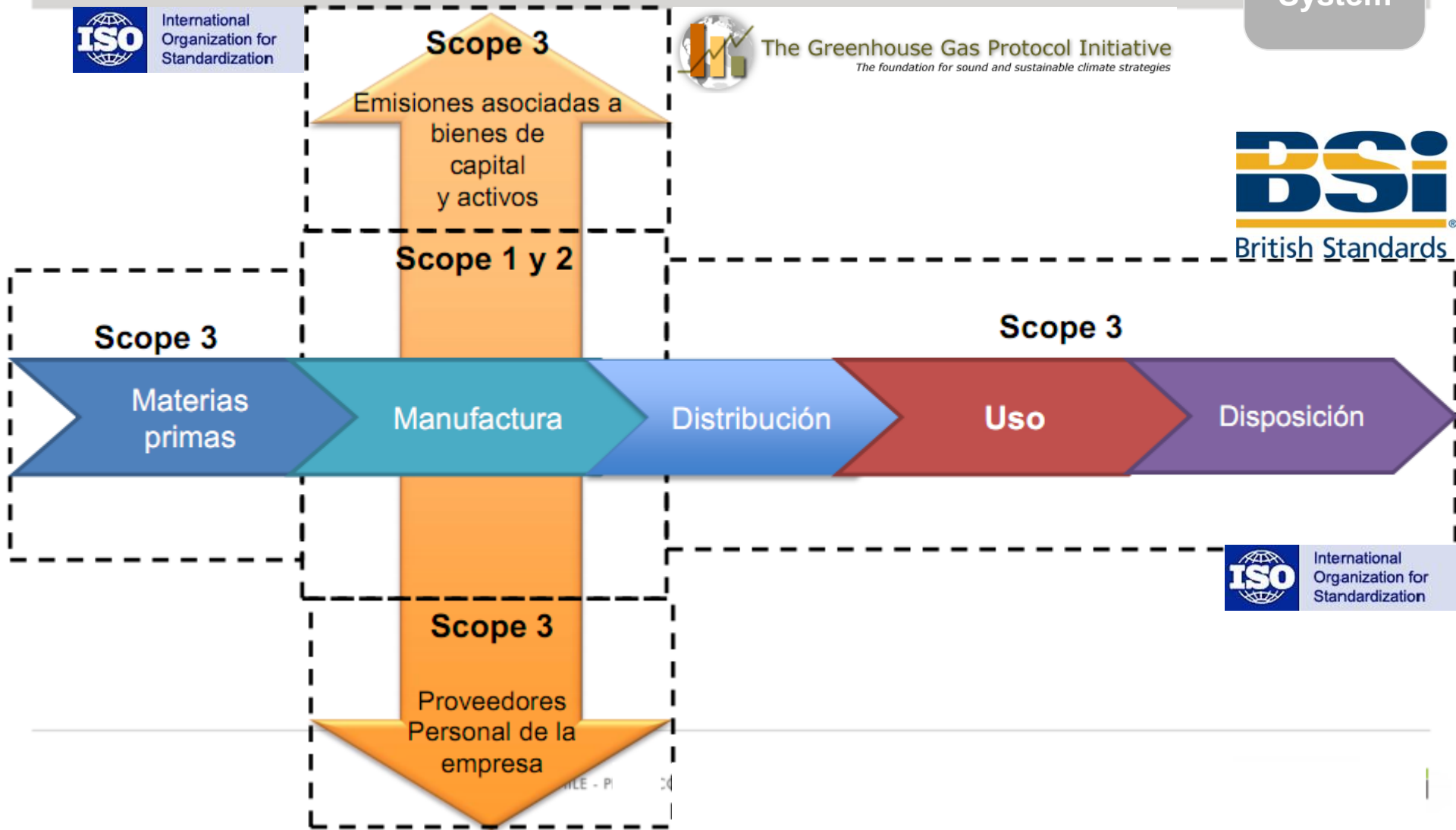


# Product vs. Corporate

Measuring System



The Greenhouse Gas Protocol Initiative  
*The foundation for sound and sustainable climate strategies*



# Scopes 1, 2, 3

**SCOPE 1**

Incluir



**SCOPE 2**

Incluir



**SCOPE 3**

Aconsejable incluir si:

- Significativas vs. 1,2
- Demandadas por Stakeholders
- Influyentes por la compañía

# GHG PROTOCOL - ¿Cómo funciona?

Measuring System



The Greenhouse Gas Protocol Initiative

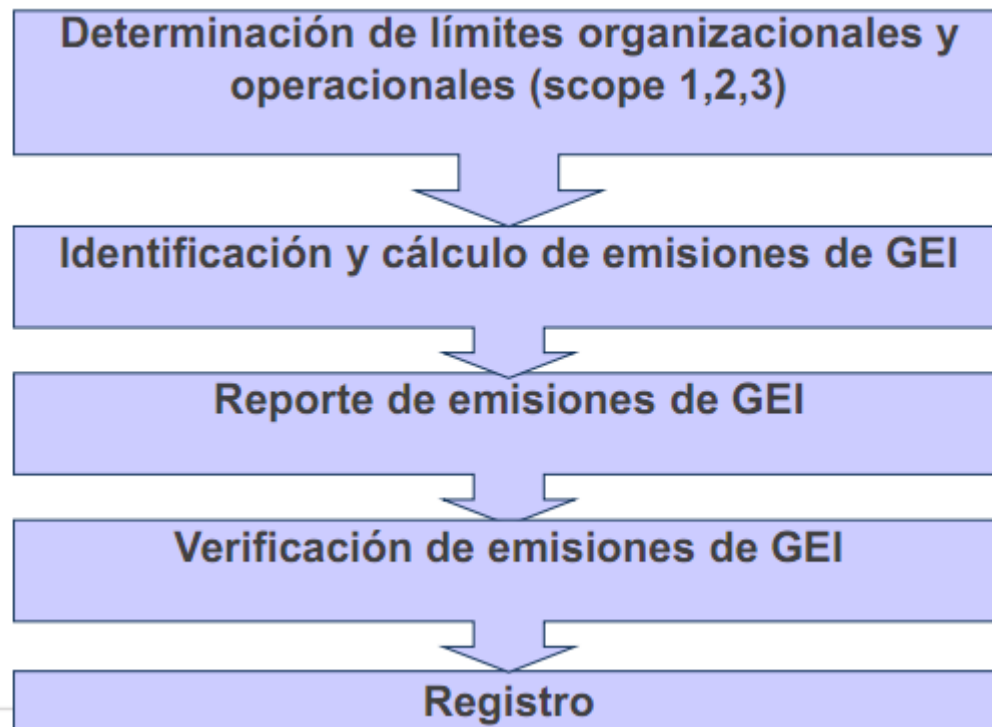
*The foundation for sound and sustainable climate strategies*



World Business Council for Sustainable Development



WORLD  
RESOURCES  
INSTITUTE



# Set Objectives

## Absolutos

Tons CO<sub>2</sub>-e



- Impacto atmósfera
- Medioambientalmente sólida



- Afectado por tendencias orgánicas
- Recálculo de baseline complicado

## Relativos

Tons CO<sub>2</sub>-e por  
\$, Ton Producto, Unidad Prod.

- Refleja esfuerzos y mejora
- Permite comparar compañías

- No garantiza reducciones en atmosfera
- No hay metrica única

1. Obtain senior management commitment

2. Decide on the target type  
Set an absolute or intensity target?

3. Decide on the target boundary  
Which GHGs to include?  
Which direct and indirect emissions?  
Which geographical operations?  
Treat business types separately?

4. Choose the target base year  
Use a fixed or rolling approach?  
Use a single or multi-year approach?

5. Define the target completion date  
Set a long- or short-term target?

6. Define the length of the target commitment period  
Set a one-year or multi-year commitment period?

7. Decide on the use of offsets or credits

8. Establish a target double counting policy  
How to deal with double counting of reductions across companies?  
How does GHG trading affect target performance?

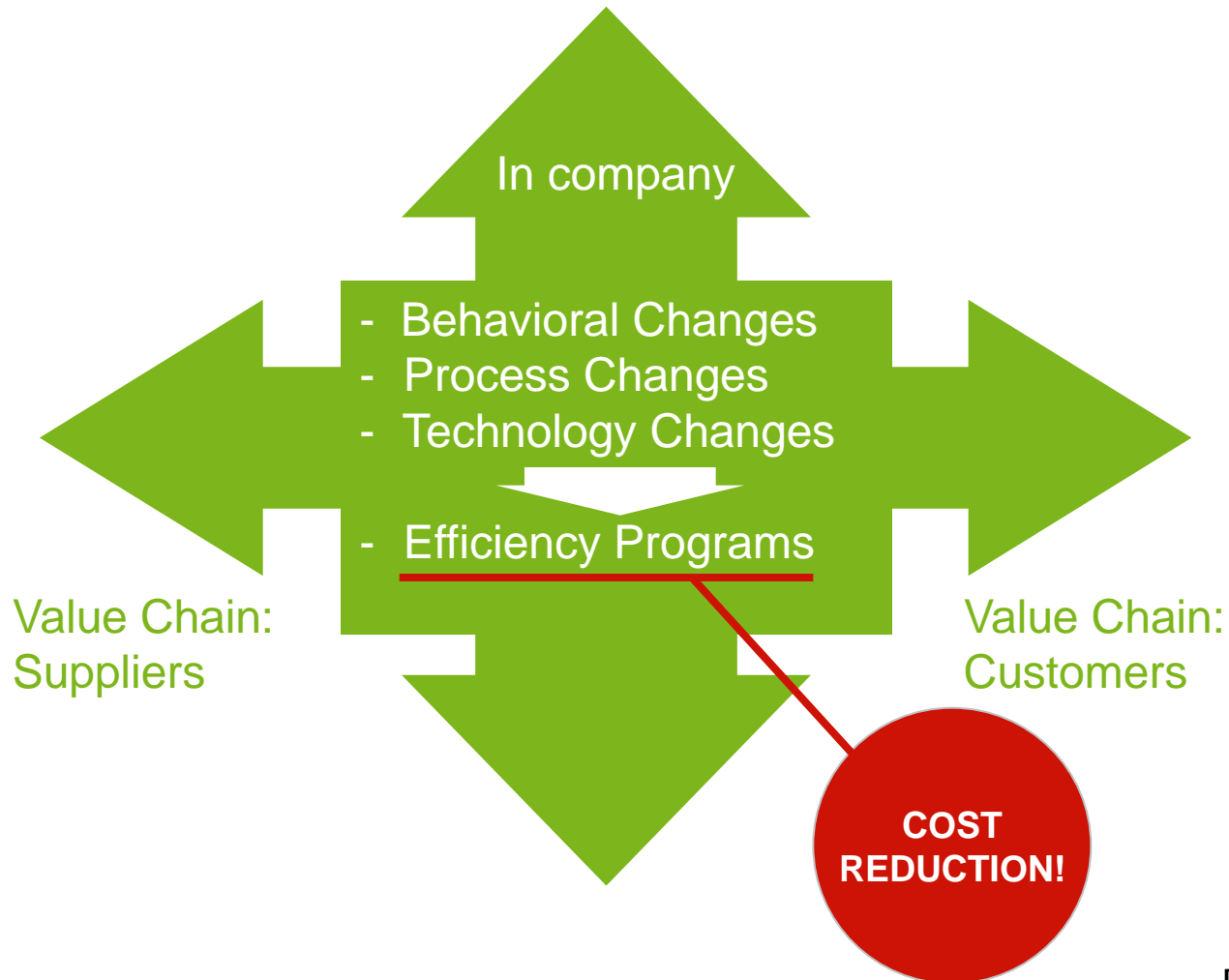
9. Decide on the target level  
What is business-as-usual? How far to go beyond that?  
How do all the above steps influence the decision?

10. Track and report progress  
Make regular performance checks  
Report information in relation to the target



# Reduction Programme

Reduce



# Standards for Carbon Inventory

## Internal



## Suppliers



- Utility suppliers with greener energy mix.
- 100% renewable energy:

+ 0% to + 20% in cost

# Offsetting - How to offset?

Carbon Credits available in the:  
**Regulated Market:**  
 13€/Ton

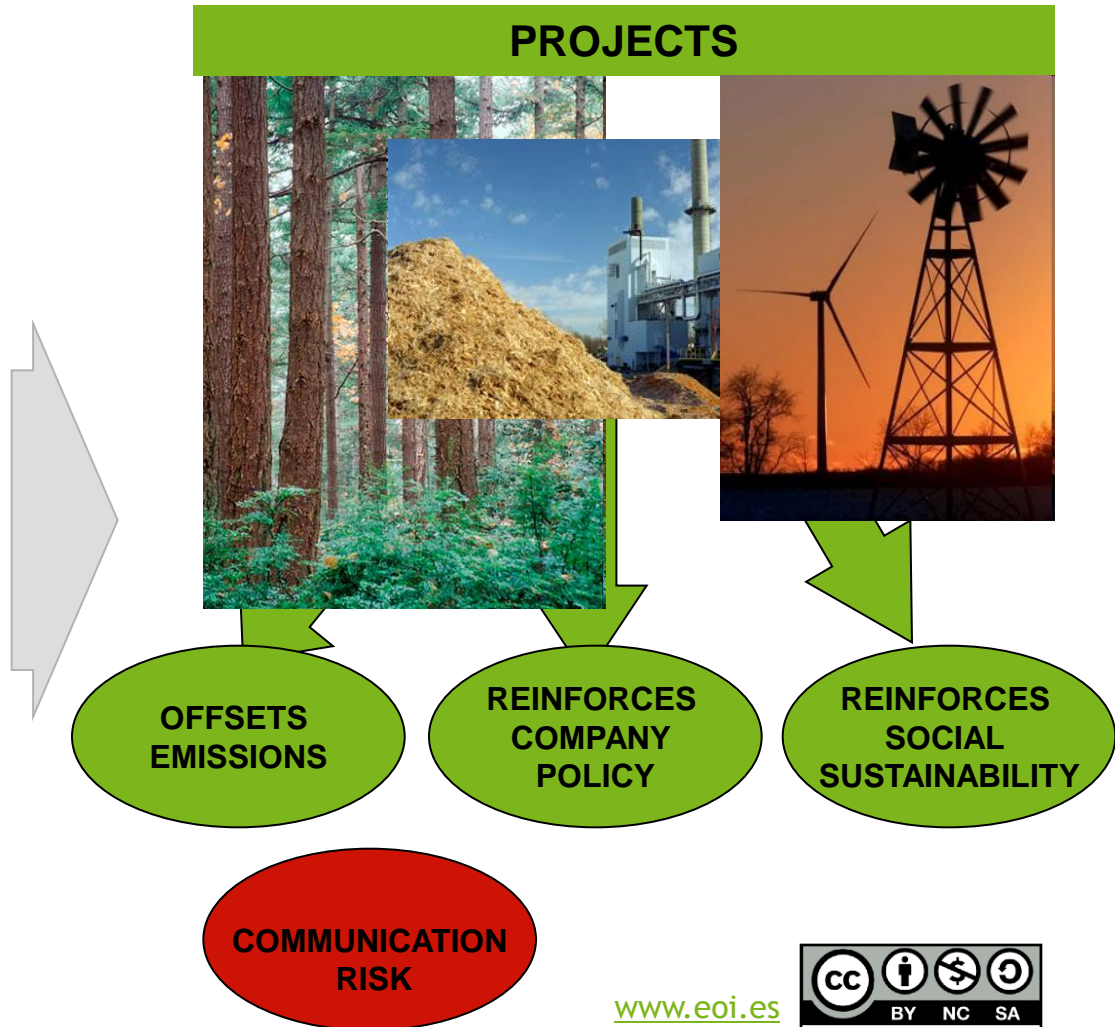
## Voluntary Market

Recognised **Certification** provides trust and avoids double counting

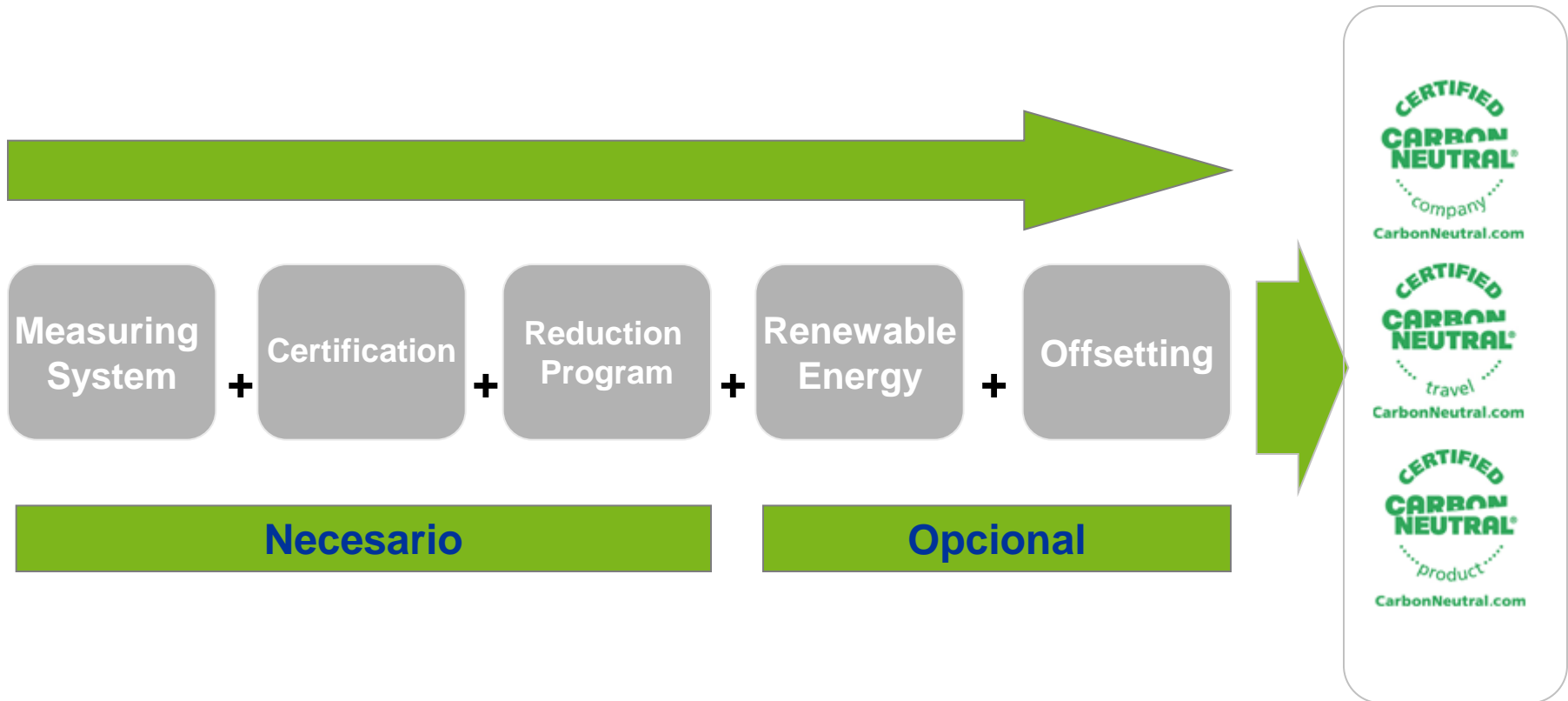
Specific **projects** can be **selected:**

- Renewable Energies
- Fuel Switch
- Reforestation
- ...

Price of CO2 Ton:  
 5€/Ton -- 20€/Ton



# Programa de Reducción de CO2

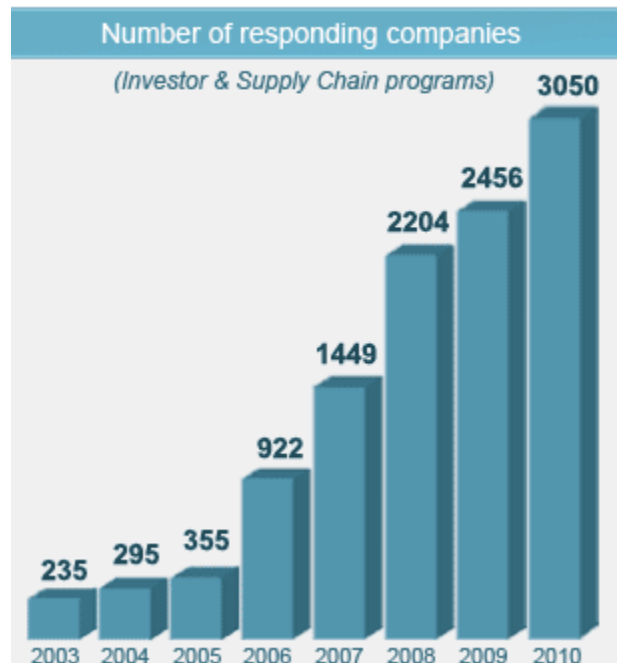


# ¿Dónde Comunicar?

Carbon Disclosure Project, CDP



Dow Jones Sustainability Indexes  
In Collaboration With SAM



# Beneficios



- **Éticos**
- **Medioambientales**
- **Reducción de costes**
- **Satisfacción de empleados**
- **Diferenciación**
- **Crecimiento**
- **Regulación**



This is the size of  
**ONE TONNE CO<sub>2</sub>**

Take up the challenge  
- reduce every way YOU can.  
Now!

