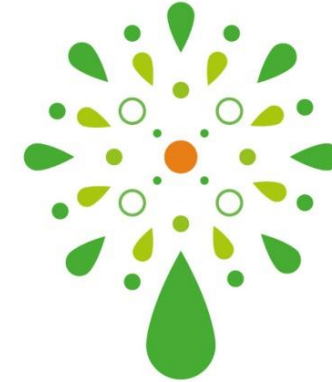


Global Agenda for Sustainable Livestock



Julián Chará, CIPAV
Pablo Peri, INTA

Rome, GG Meeting
06 March, 2018



Global Network
on Silvopastoral Systems

BUILDING TOGETHER SUSTAINABLE LIVESTOCK
for people, for the planet

GNSPS Objectives

Promote the strengthening and scaling up of SPS, wherever there are technical, economic, environmental, and cultural options for supporting livelihoods and business activities with sustainable livestock farming, specifically **through the generation, exchange and dissemination of knowledge, the documentation of public policies in countries and/or sub-regions, and the facilitation of dialogue** to address the challenges associated with Sustainable Development Goals.

GNSPS Objectives

- Identify the **relevant stakeholders and initiatives in silvopastoral systems at global level** and the areas where there are **demands for knowledge, advice or information** about silvopastoral processes.
- Serve as a neutral forum to **facilitate the exchange between strategic stakeholders** in the silvopastoral field including lead producers, private companies, public policy makers, scientists and communicators **to stimulate the local practice change** in silvopastoral systems.
- Serve as a **multi-stakeholder platform to find consensus in the methodologies of evaluation**, transfer of information and development of policies to promote the scaling up of silvopastoral systems.

NETWORK MEMBERS -2015



- 63 members
- 39 Institutions
- 15 Countries

Main Activities

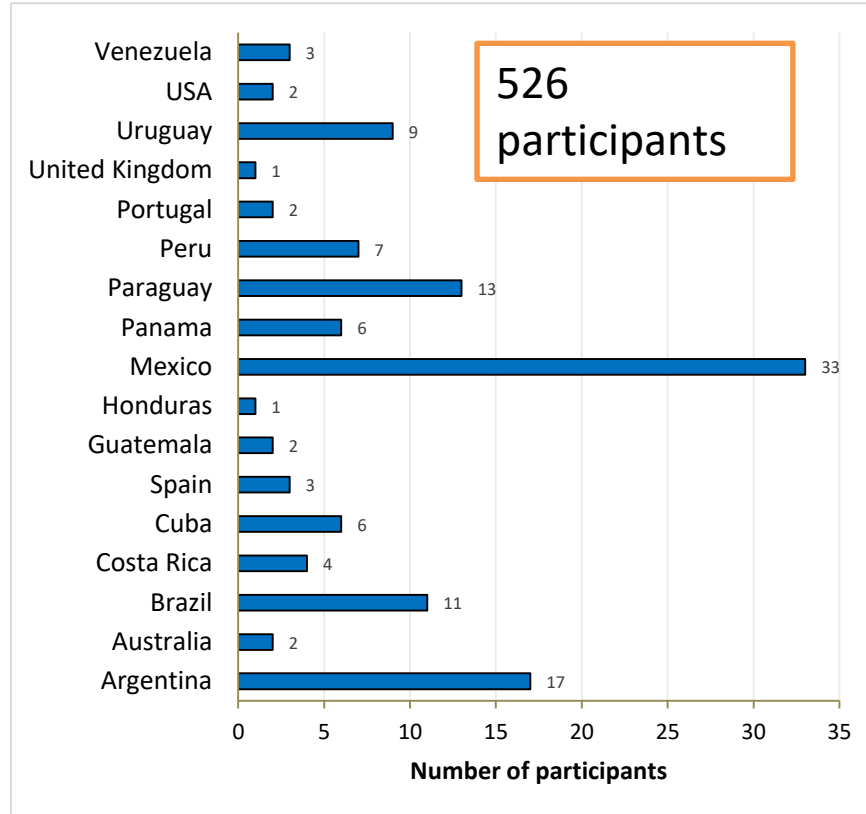
2. Facilitate the exchange of information



IX INTERNATIONAL CONGRESS ON SILVOPASTORAL SYSTEMS

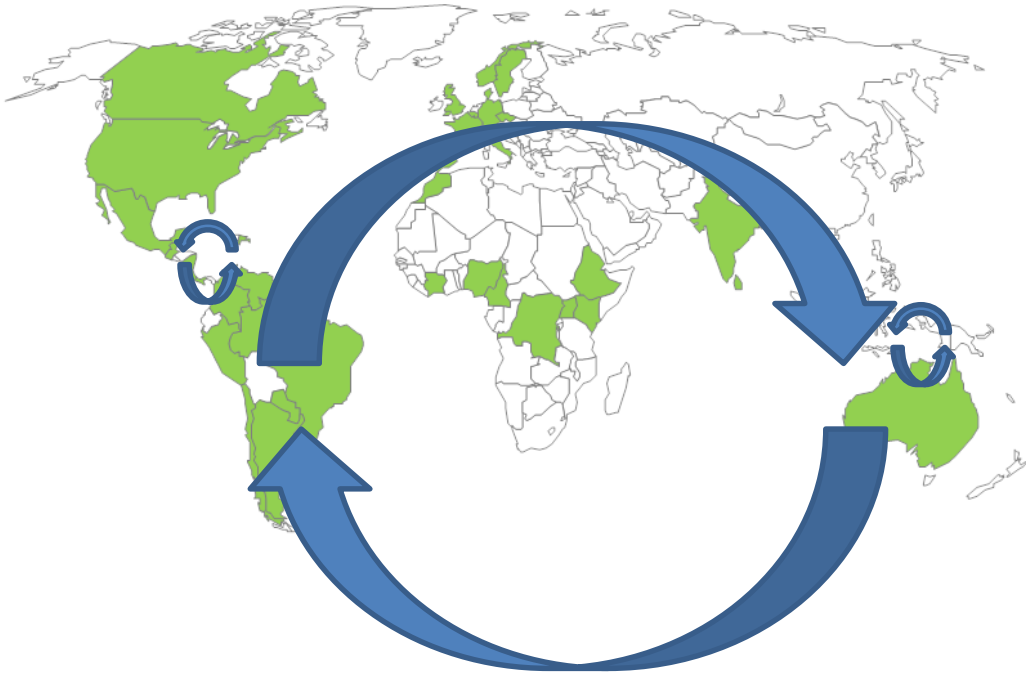
Contribution of livestock to Sustainable Development Goals

September 6 - 8, 2017 Manizales - Colombia



Main Activities

2. Facilitate the exchange of information



International Leucaena Conference



29 OCTOBER – 2 NOVEMBER 2018
Lombok Island - Indonesia



www.leucaenaconference2018.org/

Global Network on Silvopastoral Systems
Julián Chará



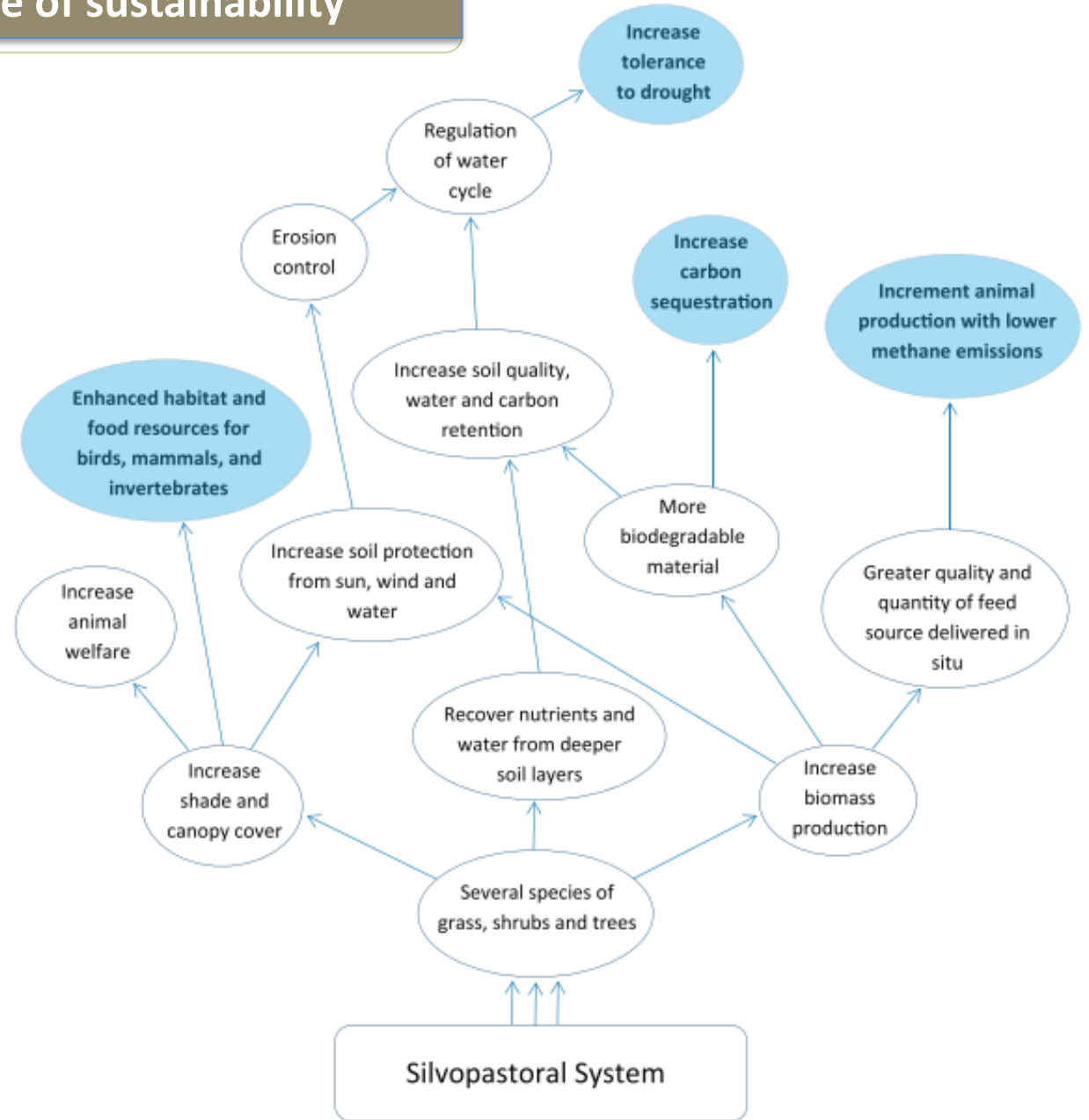
Main Activities

2. Facilitate the exchange of information

- Book on Silvopastoral Case Studies, 2018.
- X International Congress. 2019, Paraguay.
- II World Congress on Silvopastoral Systems, Argentina, 2020.

Main Activities

3. Provide evidence of sustainability



Main Activities

3. Provide evidence of sustainability

Case 1 – BEEF FINISHING

COLOMBIA

Region: Cesar



Climate condition: Dry tropical

Baseline vs. SPS

From degraded soils to intensive sustainable production

SPS strategy implemented

Intensive SPS
Leucaena + Panicum + Eucalyptus

Sustainability issue to illustrate

Restoring degraded natural resources

Emphasis on SDG

8 DECENT WORK AND ECONOMIC GROWTH

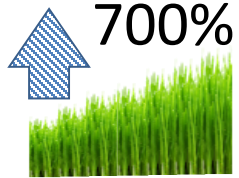
12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION



FORAGE PRODUCTION

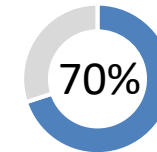
Ton. dry matter/ha



compared to baseline

Total area: 200 ha.

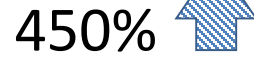
% Area under SPS



reached: 8th year

LAND PRODUCTIVITY

Kg. meat/ha



compared to baseline

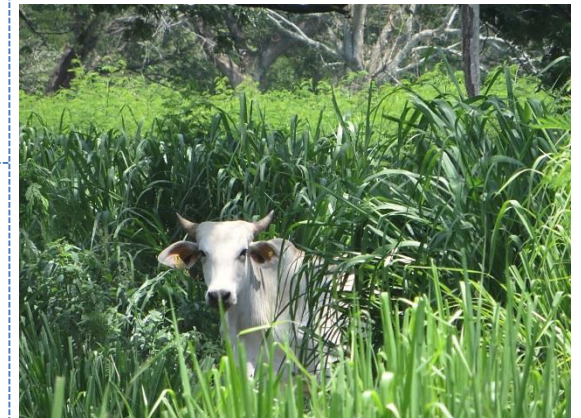
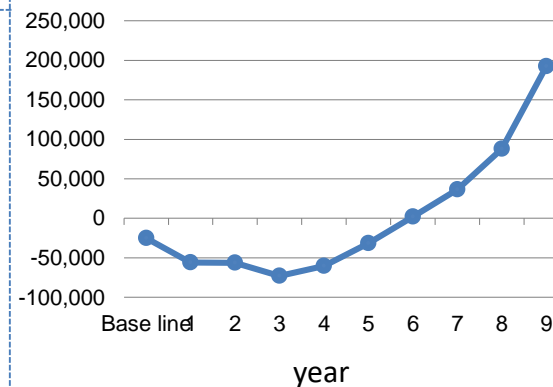
ECONOMIC RESULTS

Initial investment

USD/Ha.

1,850

Profit (USD/year)



ANIMAL WELFARE

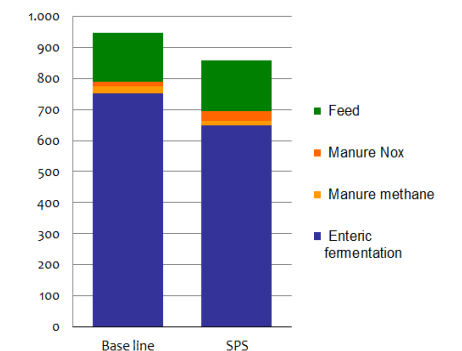


Feeding
Housing
Health
Behaviour

compared to baseline

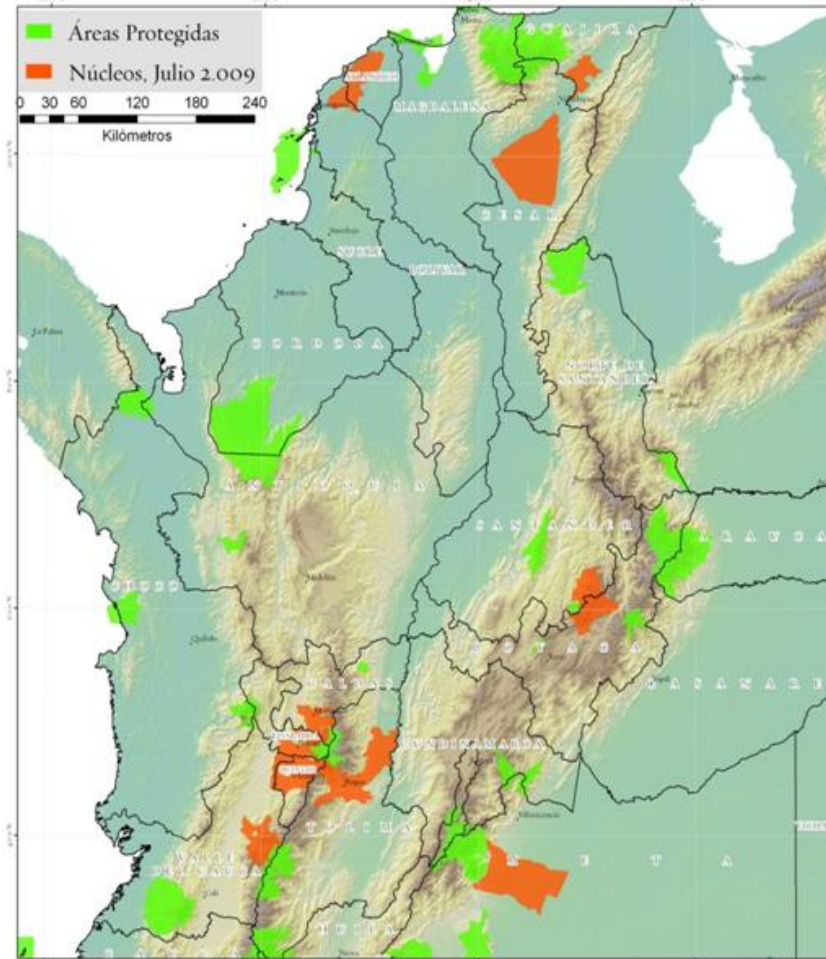
ENVIRONMENTAL IMPACT

Kg CO₂ / 100 kg LW added



Main Activities

3. Provide evidence of sustainability



3100 farmers
14,500 has of forests preserved
14,097 has of SPS
2,349 km of live fences

1.3 M t of CO2 equiv Fixed

Main Activities

3. Provide evidence of sustainability



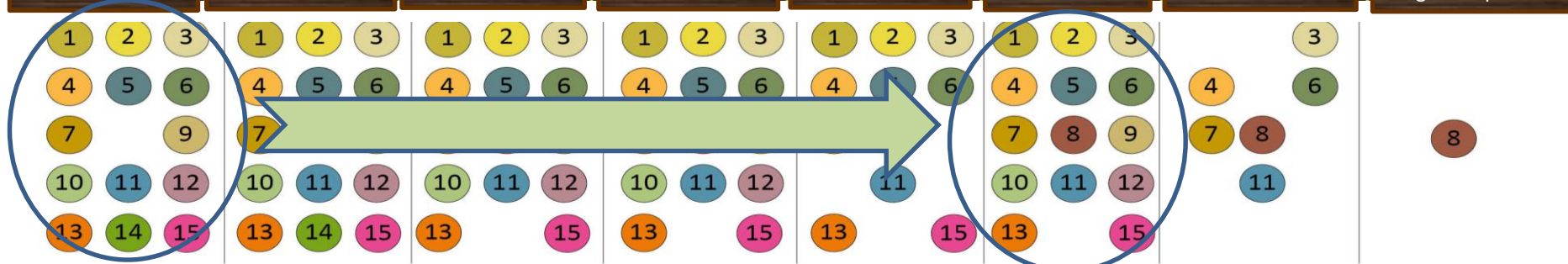
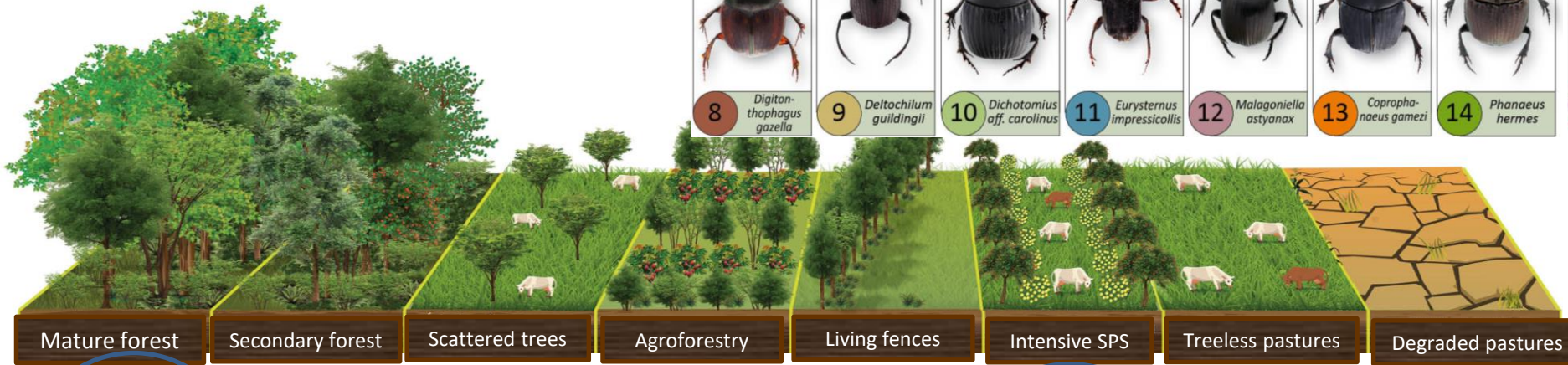
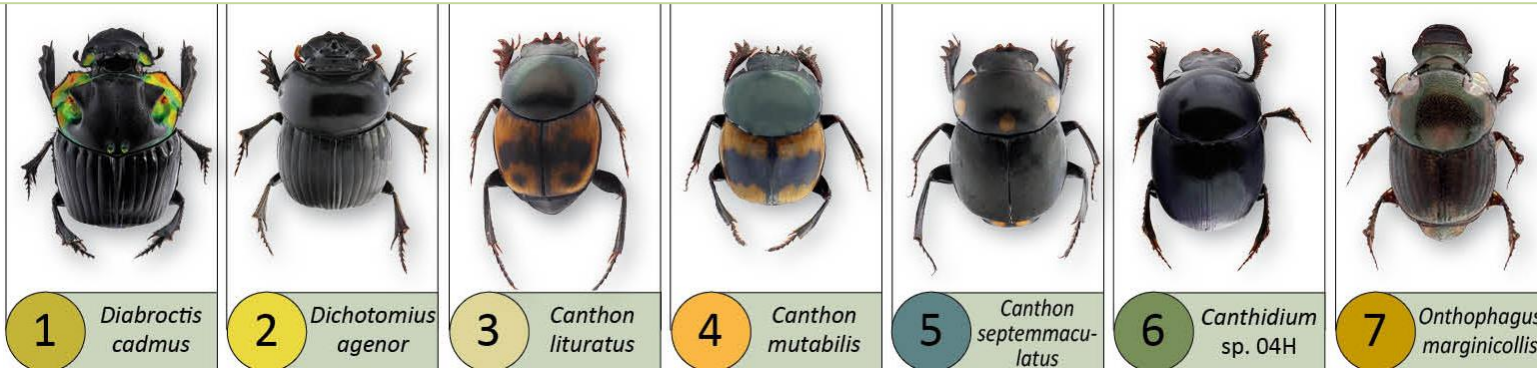
Plant Diversity in SPS
81 species



Main Activities

3. Provide evidence of sustainability

Dung Beetles
15 species



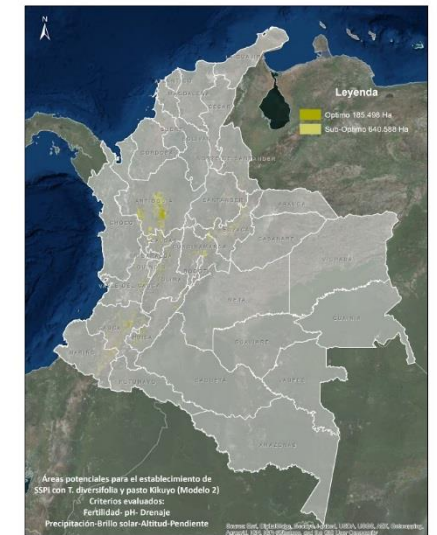
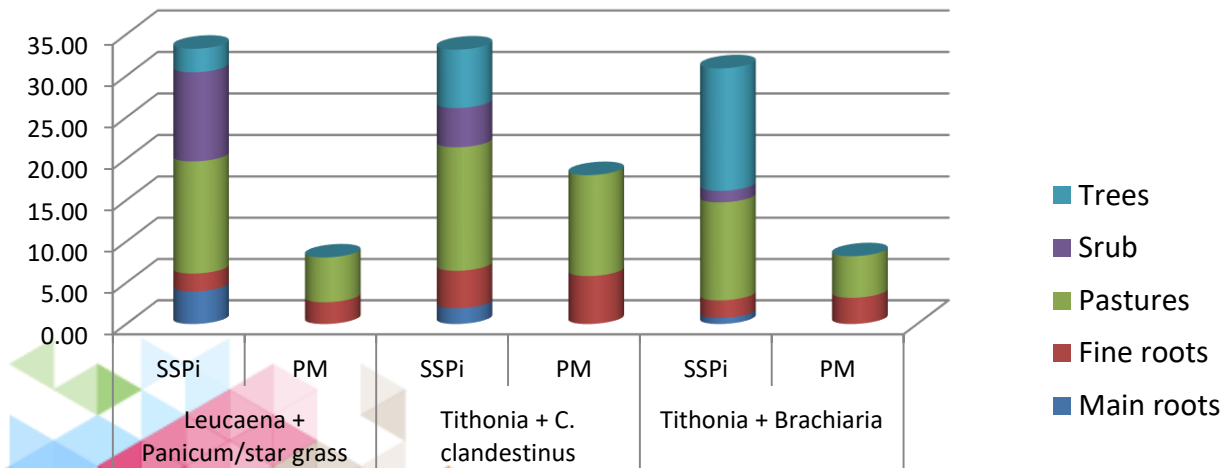
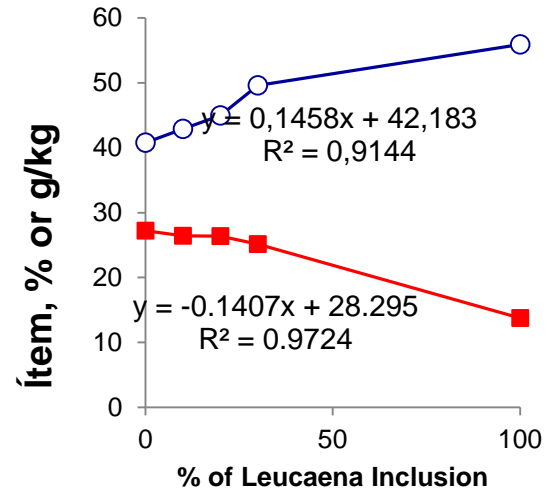
Main Activities

3. Provide evidence of sustainability

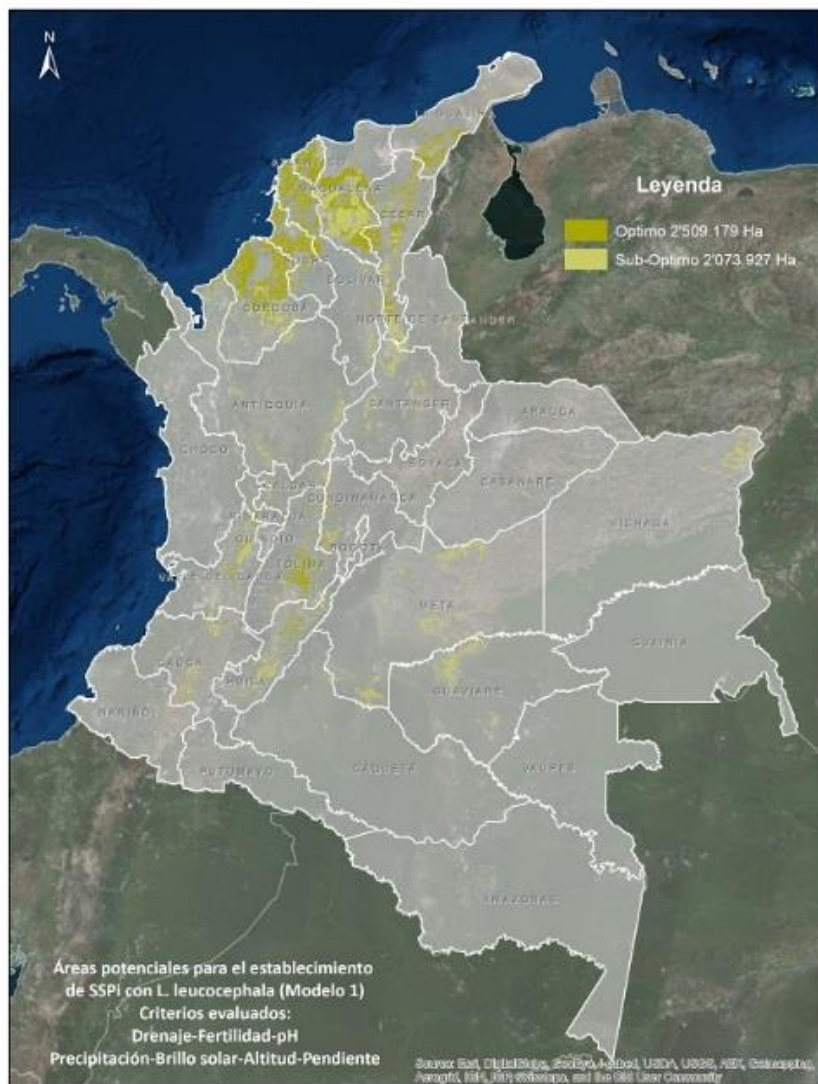
Bird diversity
106 species



Main Activities



Main Activities



NS-225 - Sustainable Bovine Livestock

Colombia

NAMA Seeking Support for Preparation

A Overview

A.1 Party

Colombia

A.2 Title of Mitigation Action

Sustainable Bovine Livestock

A.3 Description of mitigation action

Future Activities

- Book on Silvopastoral Case Studies, 2018.
- Enhancing the scope of SPS case studies
- Contribution to the NDCs and NAMAs
- Implement and effective platform for information exchange among stakeholders (farmers and technicians, scientist, policy makers).
- Presenting project proposals.

Contribution to COP23 and the GFFA

- Methods and approaches for assessing adaptation, adaptation co-benefits and resilience.
- Improved soil carbon, soil health and soil fertility under grassland.
- Improved livestock management systems.
- to reduce livestock's greenhouse-gas emissions by making livestock production systems more efficient, while also meeting animal health and animal welfare requirements.
- to promote and support international research collaboration on reducing the intensity of GHG emissions from livestock production systems, including by pasture restoration and soil carbon sequestration.