corsica ferries
sardinia ferries

MARCH 2022

# 2021 Annual Progress Report

LATIN AMERICA – PERU
Jubilacion Segura

PUR PROJET

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# Annual Progress Report 2021

1. **Corsica Ferries' KPIs**
2. Context of the project
3. The project supported
4. Testimonies

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# KEY FIGURES IN PERU

Focus on Corsica Ferries

## CORSICA FERRIES PLANTING KPIs IN PERU IN 2021

**2 805** trees

**10** farmers

**12** species

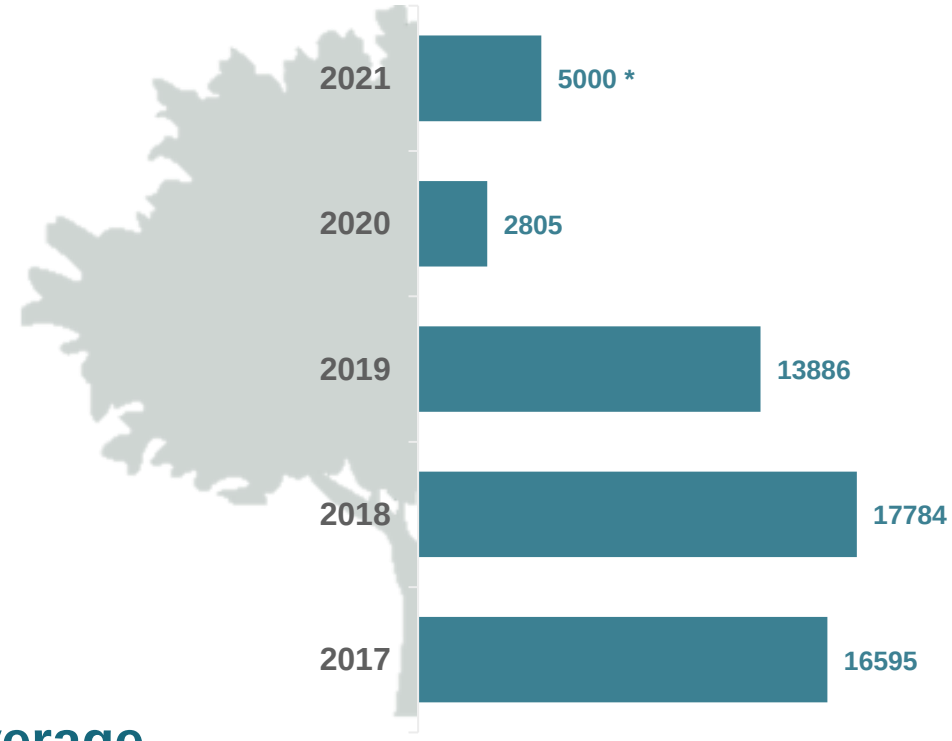
## CORSICA FERRIES PLANTING KPIs IN PERU SINCE 2017

**51 070** trees

**75** farmers

**20** species

## 56 070 TREES FINANCED BY CORSICA FERRIES IN PERU SINCE 2017




## Average Survival Rate

**96%**

Over the last 5 years

5000 * : estimation to be confirmed

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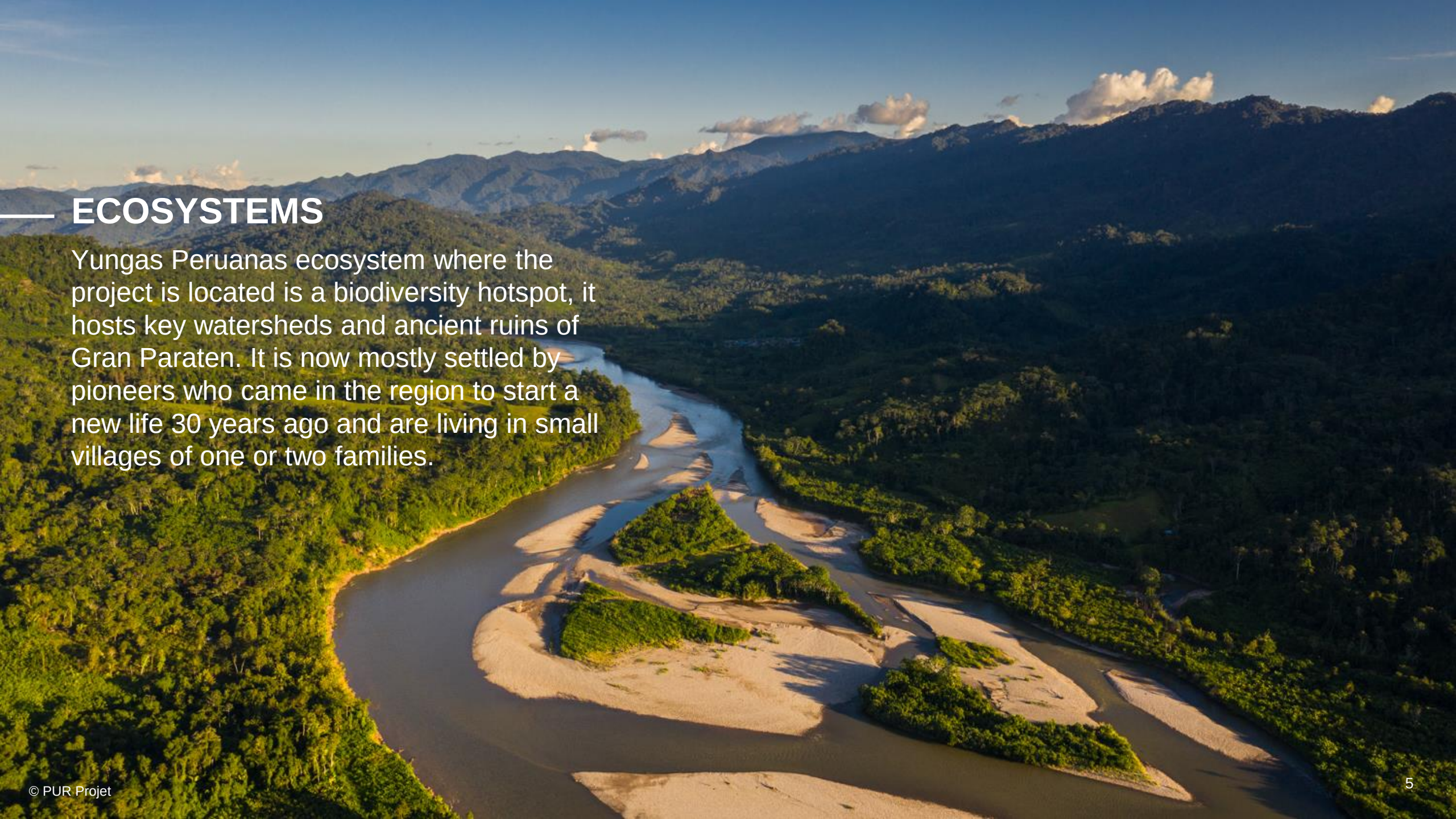

# ECOSYSTEMS

Yungas Peruanas ecosystem where the project is located is a biodiversity hotspot, it hosts key watersheds and ancient ruins of Gran Paraten. It is now mostly settled by pioneers who came in the region to start a new life 30 years ago and are living in small villages of one or two families.

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# PRESSURES ON YUNGAS PERUANAS ECOSYSTEMS

## AGRICULTURAL & FARM SYSTEMS

**Monocropping in full sun** and cattle grazing led to widespread land degradation. Soil health and fertility and overall ecosystem services are degraded

**Intensifying climate change is damaging crops** (droughts, pest and disease, land erosion) and decrease the resilience of farmers' production

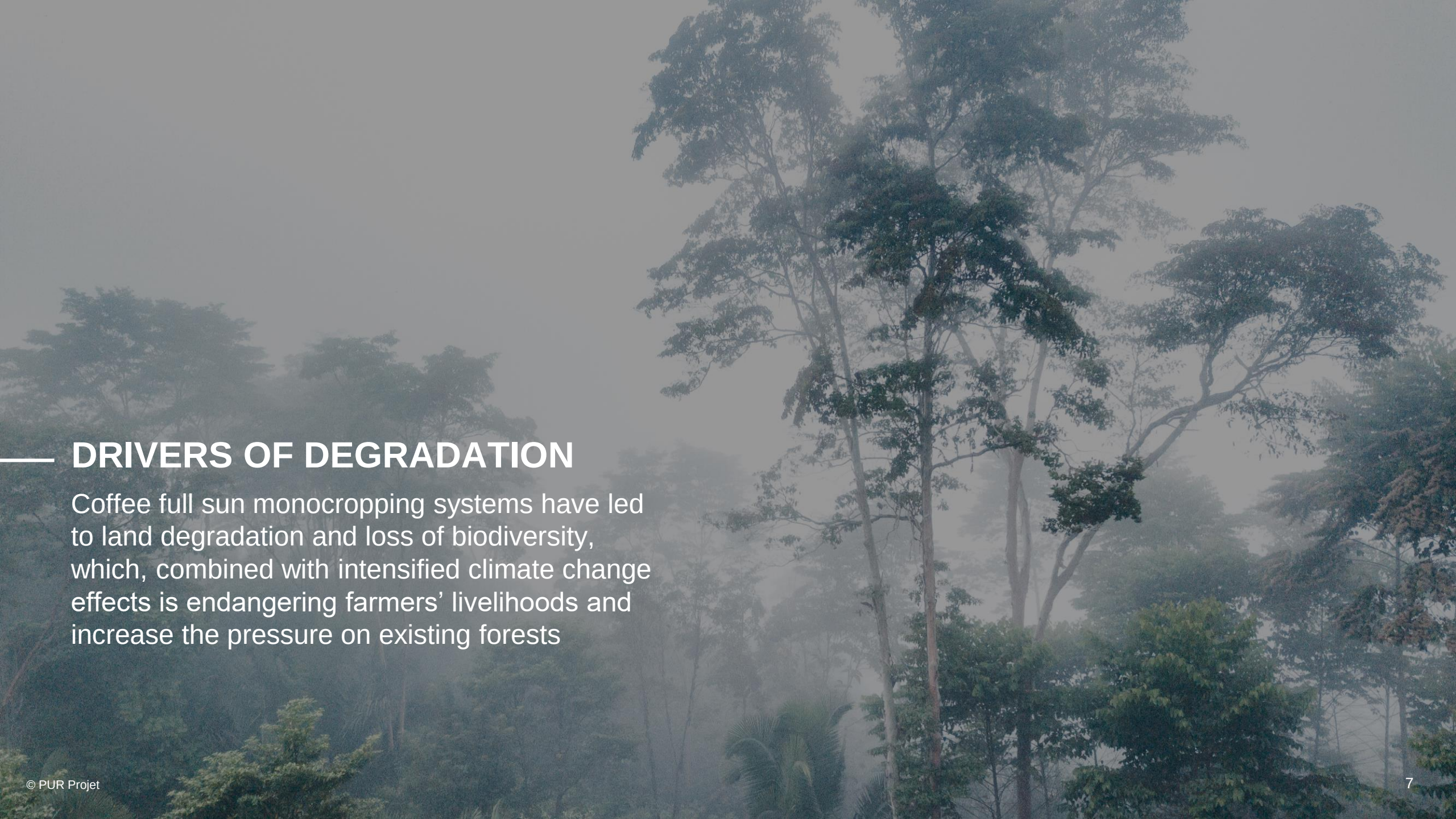
**Farmers' dependence on one crop** combined with price fluctuation and climate change has endangered farmers' food security and revenues

## BARRIERS FACED BY THE COMMUNITIES

Farmers don't have sufficient resources to regenerate their ecosystems alone:

- There is **no tradition to invest in forestry, agroforestry or silvopasture,** almost no reforestation activity existed in the region before the project start. The government's previous attempts have failed due to poor nursery infrastructure, design and monitoring.
- Farmers **do not have access to finance, technical knowledge, planting material and training,** they don't know how to implement agroforestry while securing yields.
- **Regulation and administration disincentive** farmers to plant trees. Being mostly pioneers they have limited land title deeds or no deeds.

## ECOSYSTEM DEGRADATION



# DRIVERS OF DEGRADATION

Coffee full sun monocropping systems have led to land degradation and loss of biodiversity, which, combined with intensified climate change effects is endangering farmers' livelihoods and increase the pressure on existing forests

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## COMMUNITIES

Smallholder farmers sees the effect of climate change. While being motivated to plant trees, they mostly lack financial and technical resources. Deforesting new forest is often not a choice, it's a short-term trade off to save family income.

© Christian Lamontagne

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PERU

# JUBILACION SEGURA

## LARGE SCALE ECOSYSTEM REGENERATION THANKS TO AGROFORESTRY WITH COCOA FARMERS

Verified Carbon Standard

The Jubilacion Segura Project in San Martin, Peru, was established in 2008 to support smallholder cocoa farming communities in implementing cocoa agroforestry systems and reforesting degraded landscapes. This land was initially deforested and degraded due to agricultural expansion and illicit crop (coco) production since the 1960s.

The project complements PUR Projet's neighbouring 300,000 ha REDD+ forest conservation project. It seeks to address the livelihoods needs of local communities while also promoting climate change mitigation and adaptation, regenerating degraded soils, addressing drought and flood potential and promoting habitat in this global biodiversity hotspot.

### KEY CHALLENGES TO ADDRESS

Deforestation

Impacts of Climate Change

Livelihoods

Soil erosion

Biodiversity loss

### KEY IMPLEMENTED ACTIVITIES

Agroforestry

Reforestation

Integrated Landscape Restoration

Carbon Certification

Environmental Awareness

### FOCUS COMMODITIES

- COFFEE
- COCOA
- TIMBER
- CARBON
- HONEY

### LOCAL PARTNERS & ASSOCIATIONS

ACOPAGRO COOPERATIVA AGRARIA CACAOTERA

FUNDACION Amazonia VIVA

APROCEYCE AMAZONAS

Oro Verde COOPERATIVA AGRARIA CAFETALERA

# JUBILACION SEGURA
## Key interventions

**SINCE 2010**

TREES PLANTED
**4 953 053**

FARMERS ENGAGED
**7 559**

SPECIES PLANTED
**20**

HECTARES
**4 954**

TOTAL ESTIMATED CERTIFIED CARBON BY 2040
**1 959 101** tCO2

Verified Carbon Standard VCS ID 1496

### Reforestation and agroforestry to restore ecosystem services in and around farms

This project consists of planting native timber species with small-holder farmers in and around their cocoa and coffee plantations. The duration of project activities (monitoring, maintenance, pruning, thinning, harvesting) is forecasted to be 40 years. The project reduces erosion in parcels exposed to landslides and protects uphill areas that generate natural springs and torrents, improving water quality and quantity.

### Regular training to reinforce technical knowledge and empower farmers

The project promotes more sustainable agricultural practices such as agroforestry while protecting the environment (soil, water, natural forest) through a voluntary and participatory approach.

The local technical teams implement regular training of farmers on the following:

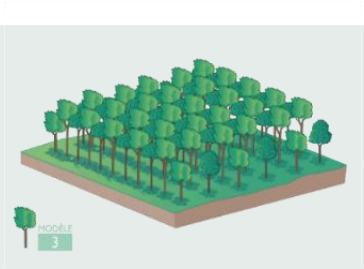
- Climate change, deforestation
- Carbon sequestration in tree biomass
- Agroforestry systems and ecosystem benefits
- Planting and maintenance techniques
- Timber management and market

### Access to land tenure and revenue diversification opportunities

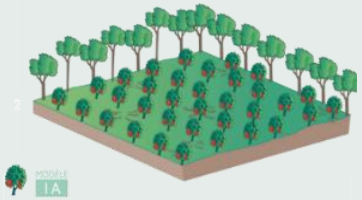
The project aims at supporting farmers in diversifying their sources of income (wood, other non-timber forest products). A Sustainable Forest Management strategy is under development to integrate high-value timber activities (Forest Management Plan). The project ensures carbon monitoring & certification (VCS) and support for land titling and planting registration with ARA (Autoridad Regional Ambiental). The project also supports farmers in growing and evaluating fruit trees to enhance food security.

THE GLOBAL GOALS For Sustainable Development

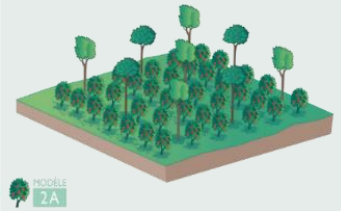
# JUBILACION SEGURA
## Planting designs



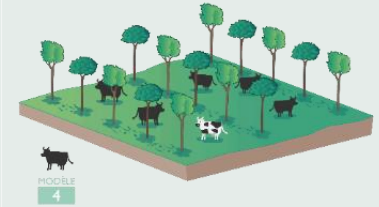
**FULL STAND**
DISTANCE 3X3
1111 TREES/HA
**61,2% OF PARCELS**



**HEDGEROWS**
DISTANCE 3X3
120 TREES/HA
**23,8% OF PARCELS**



**AGROFORESTRY INTERCROPPING**
DISTANCE 12X12 (cocoa), 8X8 (coffee)
69 TREES /HA
**14,7% OF PARCELS**



**SYLVOPASTORAL**
DISTANCE 24X24
17 TREES/HA
**0,2% OF PARCELS**

**RIPARIAN PLANTING**
New model in the planting design

**20 native species are planted on the project**
**Some of these species are threatened or in danger of extinction**

**CAPIRONA**

**PINOCHUNCHO**

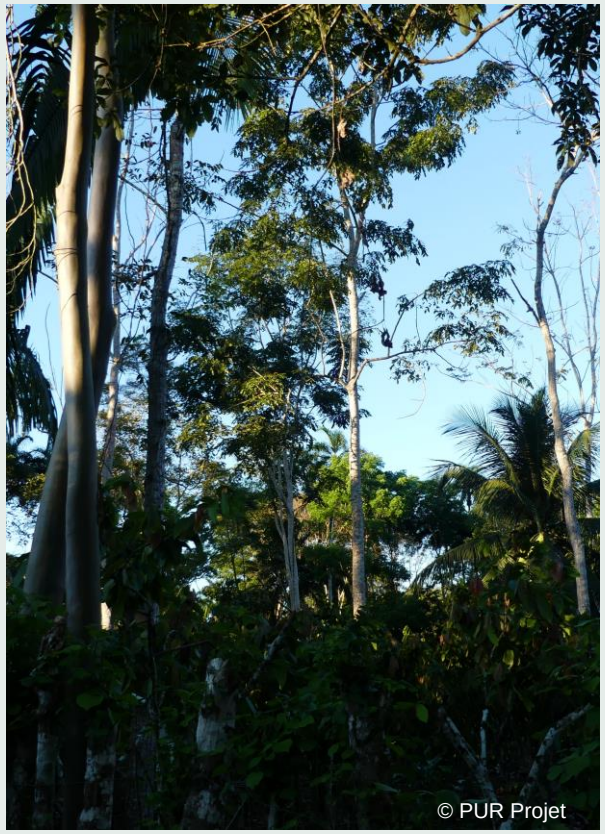
**BOLAINA**

**BOLAINA NEGRA**

- Bolaina / Guazuma crinita
- Cacapana - Marupa / Simarouba amara
- **Caoba / Swietenia macrophylla**
- **Capirona** / Calicophyllum spruceanum
- **Cedro nativo / Cedrela odorata**
- Copaiba / Copaifera officinalis
- Estoraque / Myroxylum balsamun
- **Huayruro / Ormosia coccinea**
- **Ishpingo / Ambura cearencis**
- Laurel / Cordia alliadora
- **Moena / Ocotea Costulata**
- Paliperro / Vitex pseudolea
- Pino chuncho / Schizolubium amazonicum
- **Quinilla / Manilkara bidentata**
- Sangre de Grado / Croton lecheri
- Shaina / Coulubrina gladulosa
- **Shihuahuaco / Dipteryx micrantha**
- **Tornillo / Cedrelinga catenaeformis**
- Bucshilla / Zigia basijuga
- Bambu guada / Guada bambu

# JUBILACION SEGURA

## Recent Highlights on the project




### RENEWED VISION FOR THE NEXT 10 YEARS

The project is launching its 2030 strategy. The objective of this new phase is to **increase the panel of possibilities we can bring to the farmers**: not only working on timber, but also non-forest timber products, fruits, and medicinal products. The project worked with technicians and producers to start **building new models** launched as pilots in the 2022 wave.

As part of this vision:

- The project implemented a **workshop in March 2021 on agroforestry system diversification,** led by Mr. Alexander Briones in partnership with Envol Vert Peru.
- **We are also improving the sourcing quality of tree seedlings:** we identified 79 seed trees in the Alto Huayabamba areas of 17 species. These trees were selected based on their outstanding characteristics. In the coming years, PUR Projet will collect the seeds and develop them in collaboration with the local communities' local capacities of seedling production.

In 2021 the project undertook its last FSC(r) certification. It was decided to put this process on hold by early 2022. The project will reconvey and assess its relevance in the coming years.

### NEW COOPERATIVE IN THE AMAZONAS REGION

The project welcomed APROCOYCE as a new partner in the Amazonas region. This cooperative focuses on coffee production and many of its farmers from this cooperative are eager to start planting with the project.

### LONG TERM ACTIVITIES ARE MAKING GOOD PROGRESS

The project also implemented other activities like **capacity building on forestry management** such as pruning, and on traditional beekeeping.

The technicians supported the **design and making of around 50 beehives that host native stingless bees “ramichis”**.

In parallel the technical teams planned **long term monitoring visits to parcels planted over 3+ years** ago to assess the survival on a long term of trees which will help provide technical feedback on forestry management to farmers.

# JUBILACION SEGURA
## Perspectives of the project

## CHALLENGES & ACTIONS IMPLEMENTED

- **Tree species diversification**: the project invest efforts to engage farmers in choosing a more diverse set of tree species beyond timber species. We are implementing additional incentives in our contracts with the cooperatives and the farmers to reach an optimal level of diversification.
- **Illegal commercialization of timber products**: the project works on access to land tenure, sustainable forestry plan as well as facilitating market access (launch of a brand for the projects timber products)

## OPPORTUNITIES FOR THE FUTURE

The field project team and our local partners are now very experimented; We are contemplating a scale-up of the project and new activities to reinforce the project's impact at the landscape level.

**Willingness from the technical team and farmers to grow the panting activities**

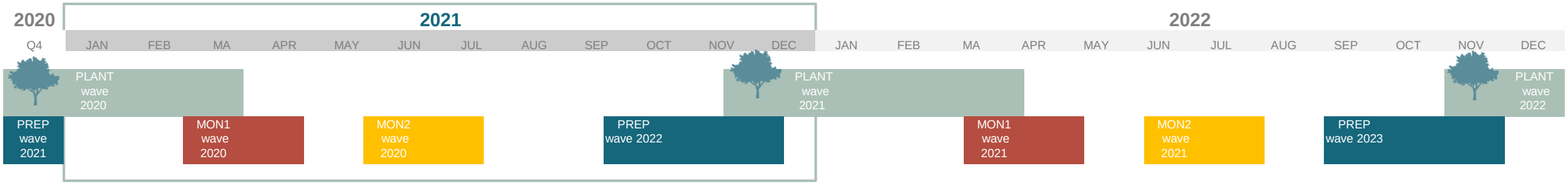
**Professionalism of the local cooperatives and partners**

**Large areas available for further reforestation activities**

**Increasing trust of regional authorities in PUR Projet's operations**

# JUBILACION SEGURA
## Project timeline

Jubilacion Segura is a large-scale project involving multiple cooperatives and stakeholders. Hence the first socialization activities occurs 1 year ahead from the distribution and planting activities.




### SOCIALIZATION & PREPARATION

**September – November 2020**
Interested farmers registered their interest on a voluntary basis, Data are collected, and farms are visited by the technical team.

**August-November 2021**
Finalization of the contracts with the tree nurseries.

### TRAININGS

**Throughout the year**
Implementation of continuous training on the project governance, agroforestry benefits, plantation models, Good agricultural practices (pruning, pest management…), Sustainable Forest Management, Capacity building of cooperatives' technical team (project management, administrative topics…)

### TREE DISTRIBUTION AND PLANTING

**November 2021 – March 2022** Collective distribution of the tree seedlings coordinated by the local cooperative

### MONITORING 1 AND 2

**Month Year** Monitoring by the cooperatives' technical teams (GPS tracks, tree growth, survival rates, species…) and consolidation of deliverables (registries)

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“ These lands didn’t produce anything when I bought them. I am salvaging these damaged lands by planting trees. “

- Leonor Perez Mondragon – Coffee and Honey Producer

“ Wood is a very noble and docile material. I am doing carpentry jobs and crafts that will improve our livelihoods. “

- Jorge Laimito Quispe – Cocoa and Wood Producer

“ Jubilacion Segura is the first project which envisions the heritage conservation over the long term. It shows as well that farms can be diversified with other crops and activities. ”

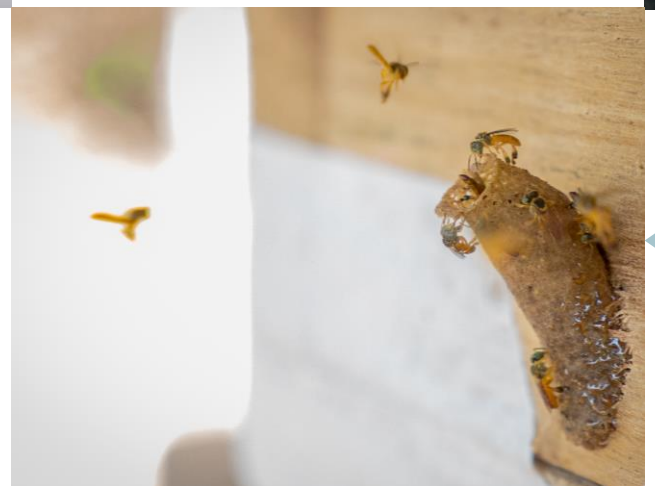
- Roldan Rojas Paredes - Fundavi

“ A significant achievement is that before when we started the project, the farmers did not want to plant the seedlings. Now producers themselves are coming to the project because they want to plant trees. “

- Anna Jimenez Salinas – Technician Acopagro

“ I am 26 years old and I am a farmer. The heritage comes from my father who has reforested for a long time. I like planting trees, not just for me I also have a family who will benefit from this also. “

- Boris Gonzales Flores – Cocoa Producer



” Since 2019, we implemented beehives for native bees (meliponas) with interested farmers to support revenue diversification. This activity has a positive economical benefits for the farmer but also support local biodiversity. ”

- Matteo Bermudez – Project Coordinator PUR Projet

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2021, Peru, Jubilacion Segura: Field Visit of a Parcel

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April 2021, Peru, Jubilacion Segura: Visit of tree nurseries. Tree nurseries are essential in the project since they will have to deliver the right tree species and qualitative seedlings to ensure good survival rate and planting design.

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2021, Peru, Jubilacion Segura: Example of pruning workshop in Amazonas with Flor del Café cooperative (left), Hercules Felipe Martino (PUR Projet Peru) showing how to prun trees (right)

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2021, Peru, Jubilacion Segura: monitoring by the field technical team;

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2021, Peru, Jubilacion Segura: PUR Projet with the team of Amazonas region.

© PUR Projet

2021, Peru, Jubilacion Segura: Example of Beehiveves for native ramichis.

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Peru, Jubilacion Segura: Victor’s parcel planted in 2010 (left) and 5 years after (right)

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