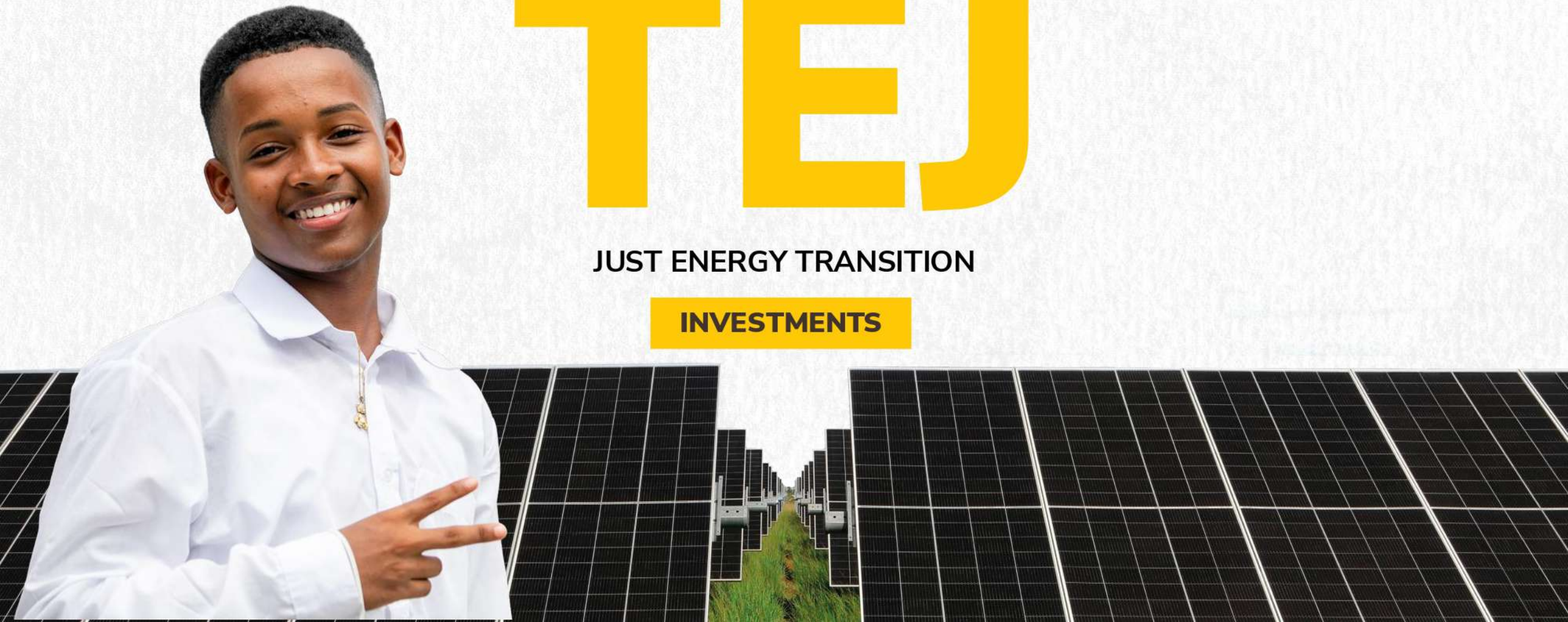
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STRATEGIC PROJECTS

TEJ

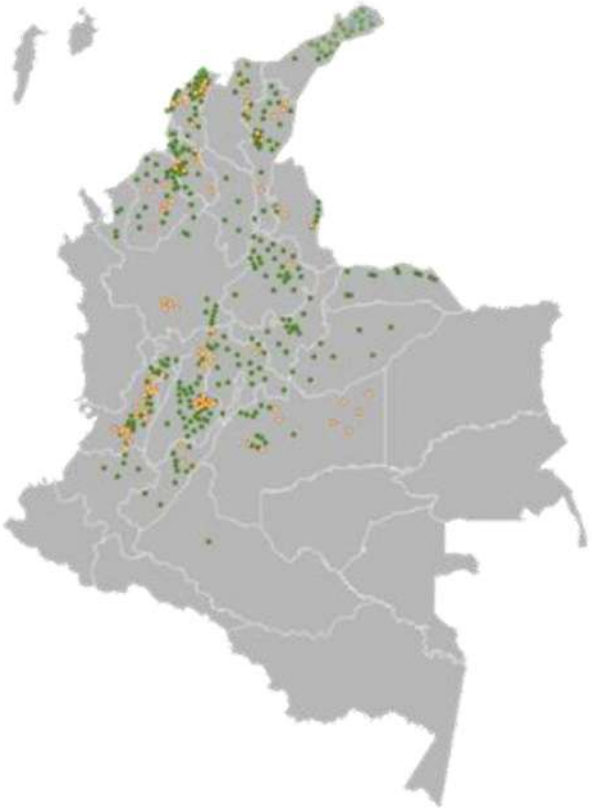
JUST ENERGY TRANSITION

INVESTMENTS



We have reached more than 3GW of Clean Energy

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In operation

1.924,20 MW

En operación

1917,38 MW

0,0 MW

SHP: 6,81 MW

Testing

1.173,63 MW

En Pruebas

1118,83 MW

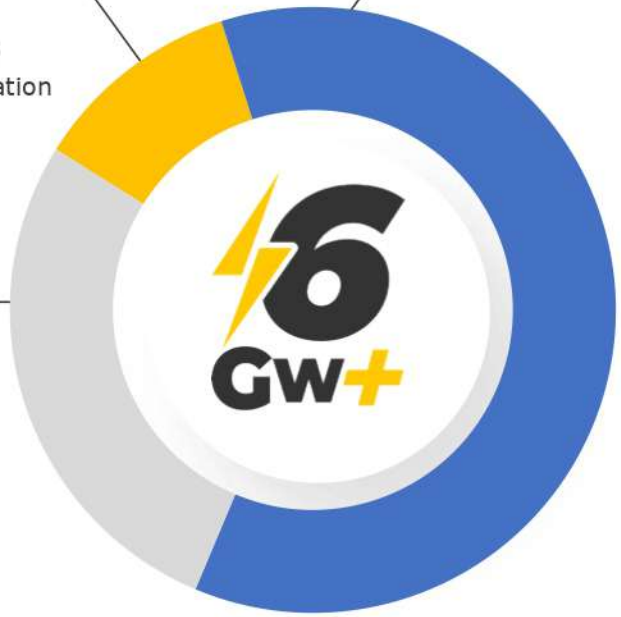
41,0 MW

SHP: 13,80 MW

11.26%
Clean energies
of the generation matrix.

60.33%
Hydroelectric

27.40%
Thermal





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16 GW Plus

Colombia Solar

Energy Communities

Energy Territories

Electromobility

solar

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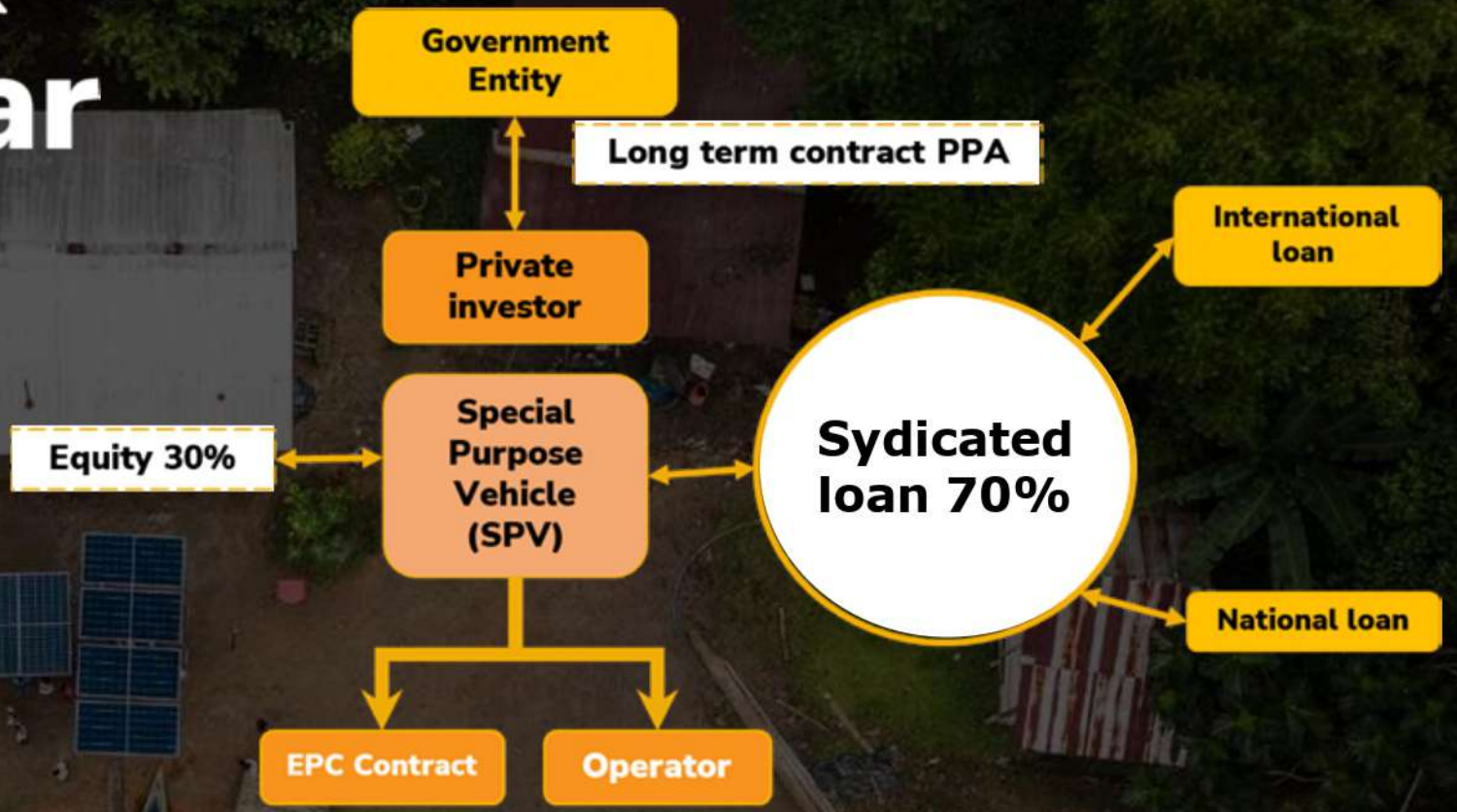
Colombia Solar

INVESTMENT

25.600

Potential solar

projects through public-private co-financing schemes



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KEY PROGRAM MANAGEMENT INDICATORS

Colombia Solar

STEP 1 General Budget of the Nation
1 Million users USD $1,5B

STEP 2 Public/Private/Credit
4 Million users USD $5,25B

Colombia Solar Program

20.817 projects

Colombia Solar Investment Project

4.800 projects

Energy Territories

GOALS

Implement

200 **energy territories by 2026.**

INVESTMENT

High potential to attract international financing through PPA contracts, which guarantee the long-term sale of energy and support the banking viability of projects.

Mini solar farms

(1 MW)

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INVESTMENT

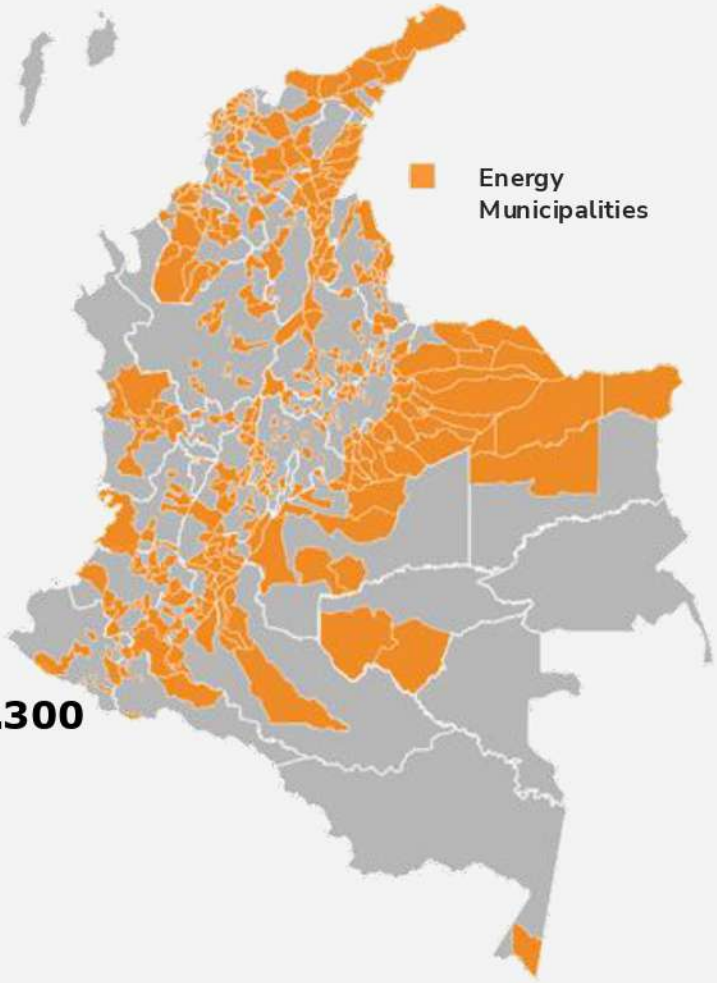
By project

1,3 USD/Wp
1MW Implementation

Total

260 MUSD

For 200 PV farms



1.Annual exchange value $361.300

2.IRR: 12%

3.VPN: 2,5 MUSD

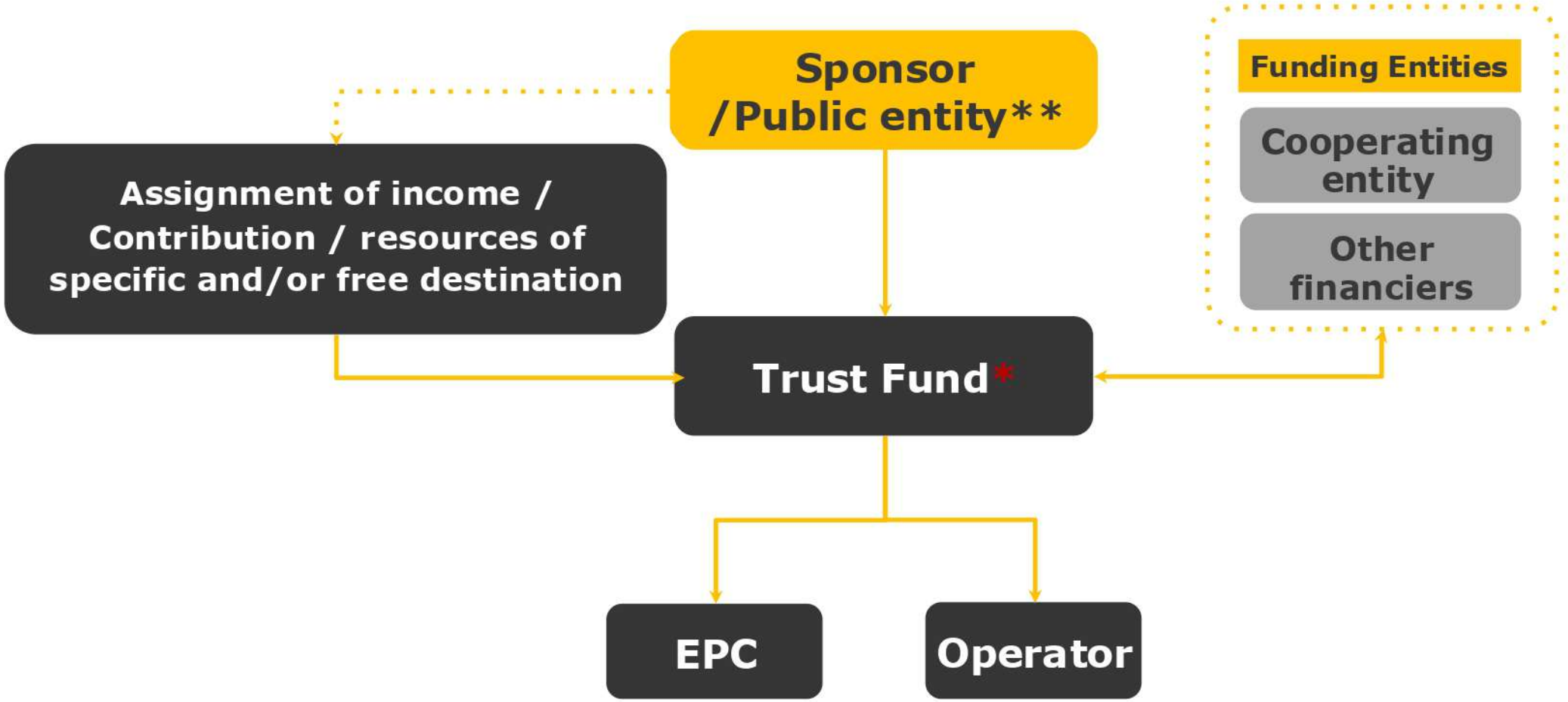
4.Service life: 25 years

5.ROI: 6 years

6.OPEX: 10% of power generation

Project
Business Model

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* Trust Fund Responsible for administration, collateral management, guarantee and payment source.
** The Public Entity must have the authority to execute the projects
***EPC (Engineering, Procurement, and Construction)

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STRATEGIC PROJECTS

TEJ

JUST ENERGY TRANSITION

COOPERATION



Energy Communities

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GOALS

5.000 Communities Implemented by 2026

450 MW installed power

METHODS OF PARTICIPATION IN IMPLEMENTATION

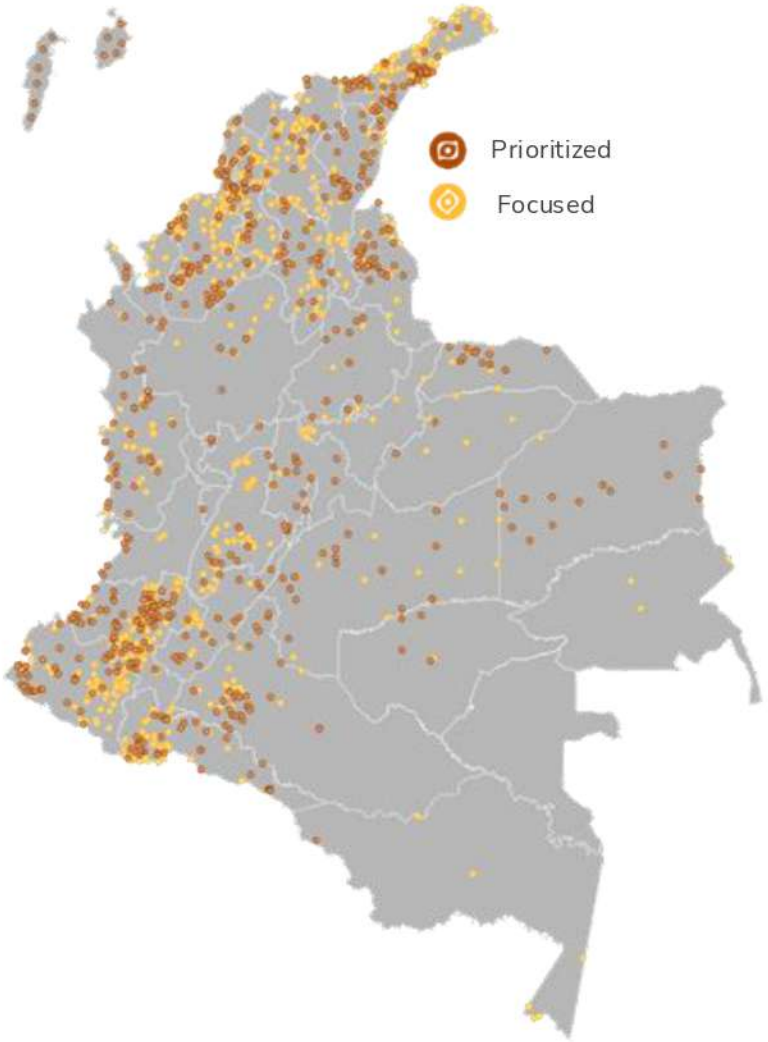
✓ Formation of consortia with national suppliers
✓ Participation in the bidding processes of affiliated entities such as FENOGE and IPSE

COSTS FOR 5.000 COMMUNITIES

59.5 MUSD Structuring

711.3 MUSD Implementation

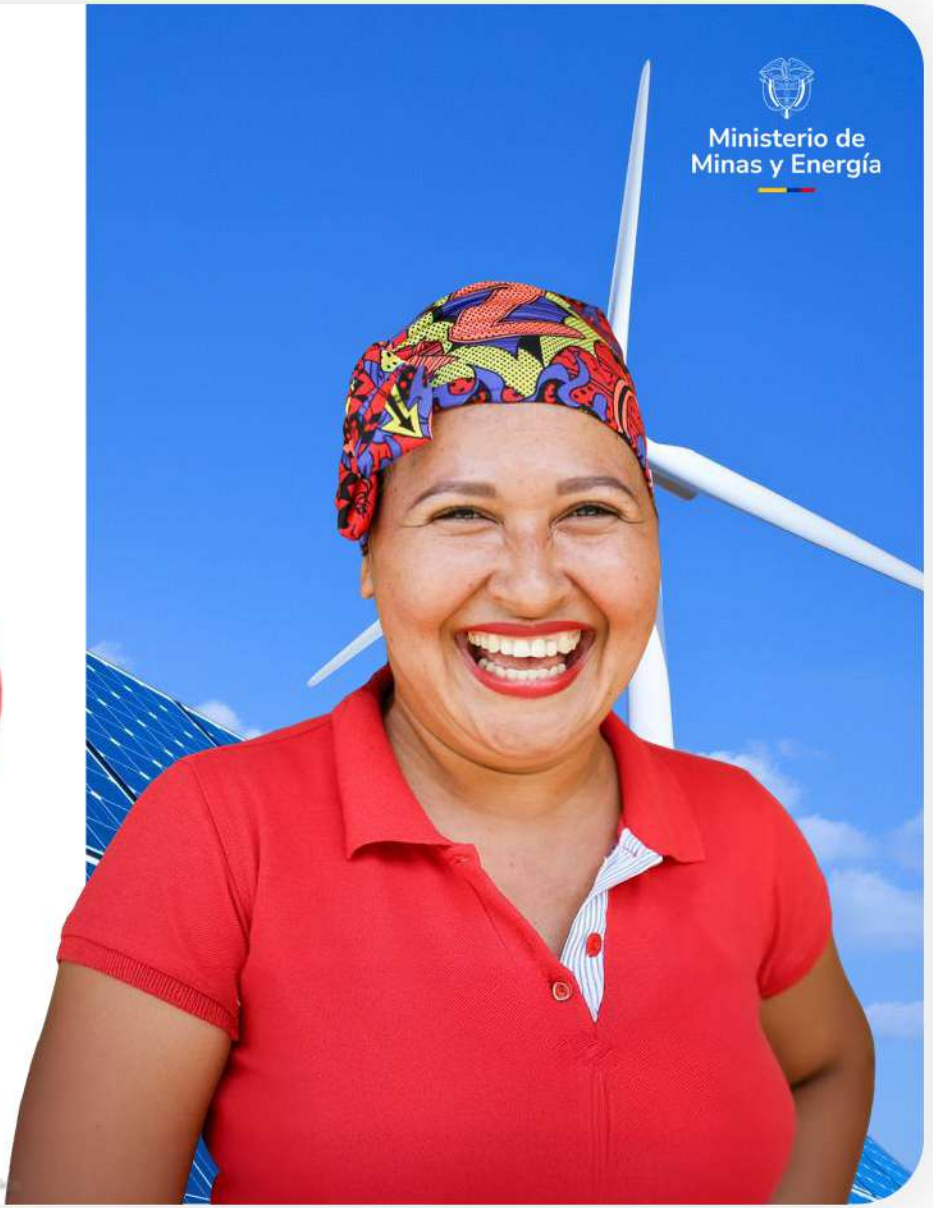
33 MUSD Monitoring



Energy Communities

Cooperation Opportunities Cycle





Pacific and Amazon Movement

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OBJECTIVE

This initiative combines river electromobility and energy communities, for the strengthening of popular economies, through self-generation of renewable energies; generating a clean community transport system and green tourism, addressing the social and territorial needs of the communities.



TOTAL COST

$ 10 MUSD for the solution for the Pacific

GOALS

200 km of rivers with coverage (navigability and electromobility)

100 Electric motors

+11 micro plants (water generation)

+50 Electric enginer for boats

Charging infrastructure on floating docks with self-generation of energy from hydro sources

Pacific and Amazon Movement

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COOPERATION NEEDS

- Non-reimbursable financial support for the acquisition of engines, or other elements and equipment for their implementation.
- Development and construction of pilot projects.
- Technology transfer in charge management, lithium batteries and digital monitoring platforms.
- **Strengthening local capacities:** training in operation and maintenance, circular economy and rational use of energy.



TOTAL COST

$ 10 MUSD for the solution for the Pacific

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Hydrocarbons and New Energetics

Green Hydrogen and Derivatives

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OBJECTIVE

Promote the development of the green hydrogen economy and its uses, with special emphasis on local demand, and foster the development of projects that impact the green hydrogen and derivatives value chain.

GOALS

Start-up of the first large-scale derivative production projects (P2X), with an approximate production of:

34 kt/year **of green methanol by 2026**

100 kt/year **of methanol and 440 kt/year of green ammonia by 2040**

CAPACITY

Phase 1:
1 to 3 GW by 2030

Phase 2:
21 GW by 2040

Green Hydrogen and Derivatives

TOTAL INVESTMENT

OBJECTIVE

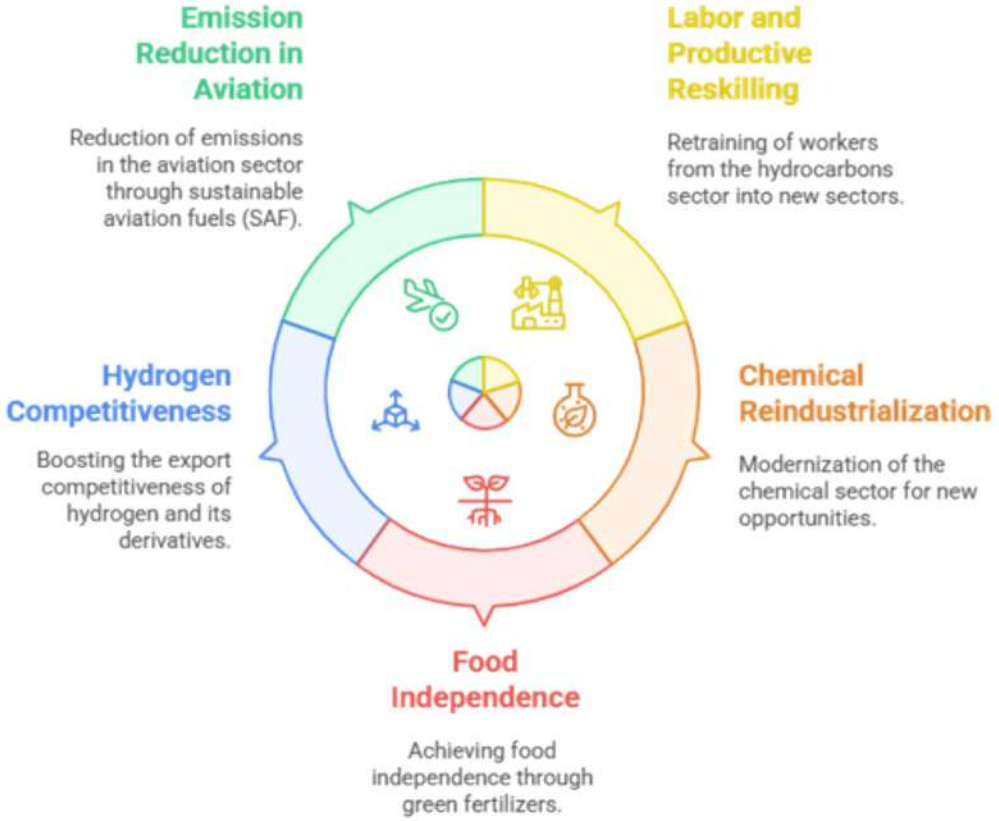
5.5 billionUSD by 2030

National contribution: **20%**

Private contribution: **80%**

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INVESTMENT AND COOPERATION OPPORTUNITIES



Green Ports

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OBJETIVE

Transform ports with potential into sustainable energy hubs in Colombia, with emphasis on the implementation of infrastructure and technologies for the production, storage, and distribution of green hydrogen and its derivatives.

GOALS

Implementation of strategic ports in the Pacific and Caribbean:

- **Puerto Bolívar**
- **Buenaventura**
- **Cartagena**
- **Barranquilla**
- **Puerto Brisa**

Source: World bank Prefactibility Studies

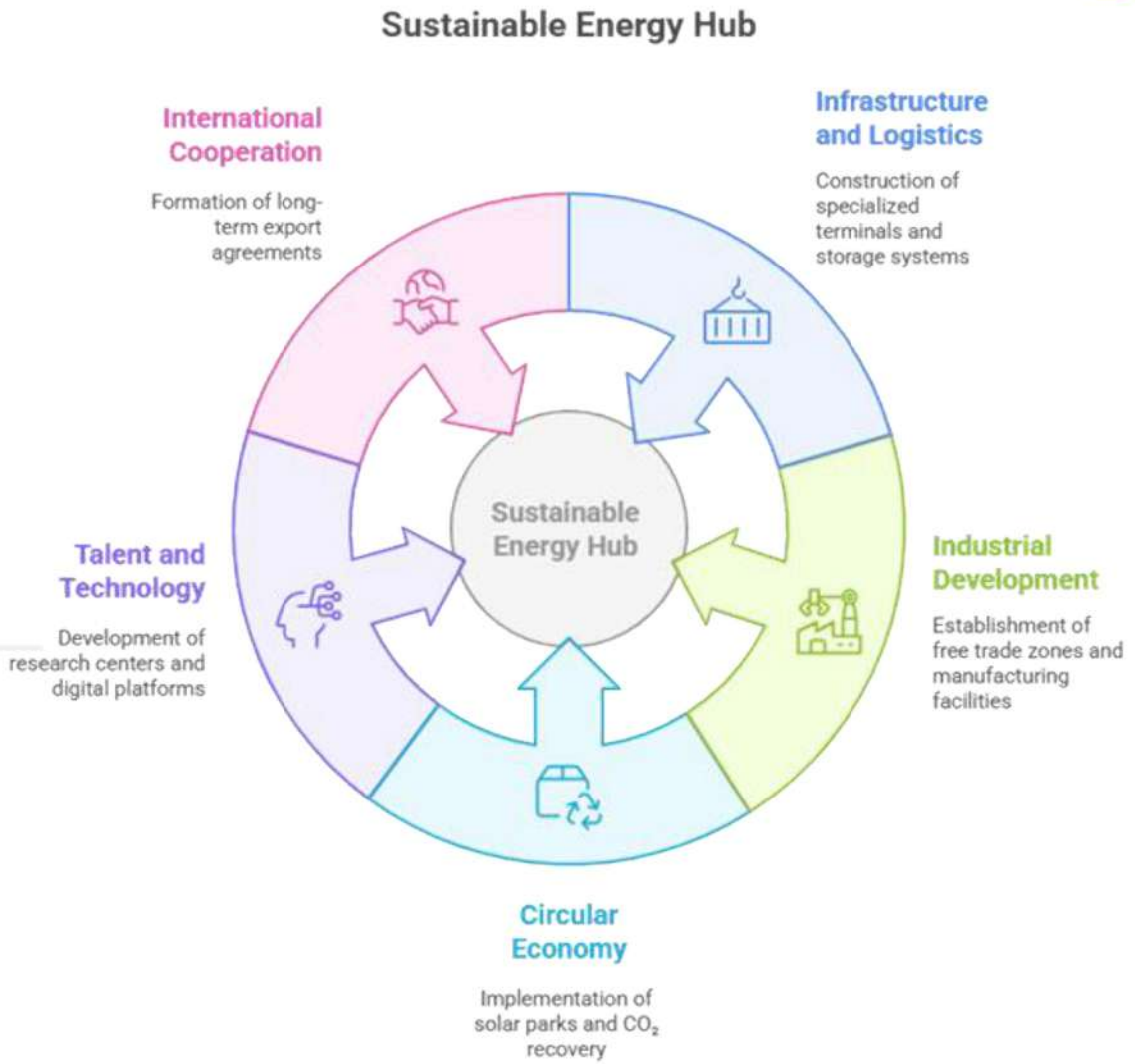
Green Ports

TOTAL INVESTMENT

USD 510 million each

Between **10%** and **20%** allocated to port infrastructure

Between **80%** and **90%** allocated to the production of hydrogen and its derivatives



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Mining PIVOT

1. **Productive industries**

2. **Mining that supports life**

3. Formalization of mining activities



Silica sand production linkages

PROJECT OVERVIEW

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Project: Feasibility Study on Metallic Silicon Production in Colombia

Conduct a technical, economic, environmental, social, and logistical feasibility study to produce metallic silicon (metallurgical-grade silicon, MG-Si) in Colombia.

LOCATION:
Boyacá, Cundinamarca and Cesar.

PROJECT STATUS:
There's already a prefeasibility study.

POTENTIAL:
This abundant raw material in the country can be used in the production of solar panel glass, ferroalloys, microchips, and end-use silicones.

IMPACT:
It strengthens the mineral value chain, promotes new industries, and generates economic benefits.

ESTIMATED FUNDING:
USD 500.000
for the feasibility study.

Commitment and Progress in Chocó

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Connecting Regions, Driving Development

The Ministry promotes electrical interconnection projects within the National Interconnected System (SIN), to expand coverage and ensure connection in historically isolated communities.

Overall Impact:

More than 35,000 beneficiaries across

Chocó, Cauca, Nariño, La Guajira, and Cesar.

Strengthening energy infrastructure for inclusion and regional growth.

Progress in Chocó:

Five key projects are transforming the Colombian Pacific region, connecting thousands of families and improving service quality:

Project	Beneficiaries	Progress	Investment (COP)	Status
Unguía – Acandí	9,350	7%	$500,000 M	Structuring (ISA–EPM)
Vigía del Fuerte – Bojayá	1,863	45%	$11,998 M	In execution
Caucheras – Vigía del Fuerte	4,067 + 1,863	35%	$2,980 M	In execution
Quibdó – Beté	569	30%	$22,106 M	In execution
Istmina – Pizarro	3,142	10%	$131,896 M	Under feasibility review

Summary:

- Around 19,000 direct beneficiaries in rural Chocó.
- Works in progress with strong local and institutional coordination.