

● LIST OF BILATERAL PROJECTS F BILATERAL PROJECTS

#	Project title	Sector	Total €	LAIF €
1	Road F-21 Tranche Uyuni-Tupiza	Transport	119,002,822	8,145,000
2	Bolivia Oruro solar plant	Sustainable energy	89,350,000	11,850,000
3	Support to Water and Sewerage Programme in Urban and Peri-Urban Areas in Bolivia	Water supply & sanitation	125,555,556	15,500,000
Total			333,908,378	35,495,000

● LIST OF MULTI-LATERAL PROJECTS

#	Project title	Specific activities	Sector	Total €	LAIF €
1	Climate Change Programme in Latin America	Technical Assistance, studies (feasibility studies and assessment) and promotional activities Electrical interconnection between Bolivia and Paraguay Bolivia Electrical International Interconnection with Neighboring Countries Study	General environmental protection	303,000,000	3,000,000
2	Geothermal Development Facility Latin America Program	a) Risk Mitigation Fund, b) Investment Financing Windows, c) Technical Assistance Forum Grant for surface studies: Geothermic project Empexa (15MW)	Sustainable energy	1,094,000,000	20,500,000
3	Promoting climate change adaptation and integrated water resources management investment in the water sector in LA in the framework of the Spanish cooperation fund for water and sanitation (FCAS)	Reinforcement of capacities associated with the programs, studies developed in the pre-investment phase to identify new investments in new actions, review of regulations and the development of methodologies, tools and manuals. National inventory of wastewater treatment, characterization and database Support for the implementation of the Master Plan for the Katari Basin of Lake Titicaca	Water supply & sanitation	615,300,000	15,300,000
4	Sustainable Transport Networks in Latin America	Prefeasibility of the Sucre Integrated Transport System Pre-feasibility of Integrated Transport System in Tarija	Transport	403,000,000	3,000,000

#	Project title	Specific activities	Sector	Total €	LAIF €
5	Sustainable Cities and Climate Change	La Paz, Tarija carbon footprint study	Urban development	104,868,000	4,368,000
		Sustainable mobility in the city of Santa Cruz de la Sierra			
6	Technical Assistance to Fonplata Regional Framework Loan	Bridge construction program for the department of Cochabamba	Rural development	102,390,000	2,390,000
		Water harvesting and photovoltaic energy			
Total				2,622,558,000	48,558,000

PROJECT:

Road F-21 Tranche Uyuni-Tupiza

LEAD INSTITUTION:

EIB

PARTNERS:

Bolivian Government

EU-LAIF

TOTAL COST:

€ 119 002 822

LAIF CONTRIBUTION:

€ 8 145 000

TYPES OF SUPPORT:

Investment Grants

DURATION PERIOD:

Dec 2014 – Mar 2019

CURRENT STATUS:

Ongoing

DESCRIPTION:

This project connects several communities of the Department of Potosí with the rest of the country through the construction of a 188.3 km section of a single carriageway road, improving the living conditions of local communities, unlocking large and remote areas and spurring economic development through trade (particularly of agricultural products), improving access to markets and the mobility of people as well as boosting tourism. Likewise, the project contributes to regional integration by improving access to neighbouring countries (Chile, Argentina, Paraguay), with the prospect of increasing Bolivian exports to these countries and further developing the local tourism sector.

EXPECTED RESULTS:

- Construction of a 188.3 km section of a single carriageway road, with one lane in each direction, between Uyuni and Tupiza in southern Bolivia, decreasing travel time between both localities from 8 hours to 3.5 hours.
- Connection with two routes in the main road network: one westward to Chile and one southward to Argentina and Paraguay.

PROJECT:

Bolivia Oruro Solar Plant



LEAD INSTITUTION:

AFD

PARTNERS:

EU-LAIF

TOTAL COST:

€ 89 350 000

LAIF CONTRIBUTION:

€ 11 850 000

TYPES OF SUPPORT:

Investment Grants
Technical Assistance

DURATION PERIOD:

Dec 2016 – Aug 2022

CURRENT STATUS:

Ongoing

DESCRIPTION:

This is Bolivia's first large-scale photovoltaic project. It entails the construction of a 50 MW photovoltaic (PV) power plant in the Altiplano region, in the highlands of western Bolivia, and its connection to the Bolivian national grid. The PV plant boosts electricity generation by approximately 100 GWh/year and contributes to the diversification of the Bolivian energy mix, reinforcing Bolivia's national strategy to develop renewable energies (wind and solar), which are expected to reach 70% of installed capacity in 2025.

EXPECTED RESULTS:

- Construction of a 50 MW photovoltaic power plant in the Altiplano region.
- Electricity generation of 100 GWh/year.
- Greenhouse gas emissions reductions at 50 000 t/CO2 equivalent per year.

PROJECT:

Support to Water and Sewerage Programme in Urban and Peri-Urban Areas in Bolivia

LEAD INSTITUTION:

AECID

PARTNERS:

IDB

EU-LAIF

TOTAL COST:

€ 125 555 556

LAIF CONTRIBUTION:

€ 15 500 000

TYPES OF SUPPORT:

Investment Grants
Technical Assistance

DURATION PERIOD:

Jan 2018 – Sep 2022

CURRENT STATUS:

Ongoing

DESCRIPTION:

This project aims at expanding and improving the access to water and sanitation services for more than 200 000 people while enhancing sector governance in Bolivia. Furthermore, national policy for integrated water resources management will be strengthened, reducing the impact of climate change on the poorest segments of Bolivian society.

LAIF funds in the present programme will mainly cover essential pre-investment issues such as planning (sustainable urban drainage plans), infrastructure design, water resources management and water supply and sanitation service management.

EXPECTED RESULTS:

- Drinking water and sanitation coverage improved/expanded.
- Sustainability in terms of operation, quality and continuity of the water and sanitation service will be guaranteed on the basis of established quality and regulatory criteria.
- Drinking water supply and sanitation services to be financially sustainable and affordable for the target groups.
- Sectoral institutions improved through the development of national regulation, inter-institutional and integral planning and management of the sector and water resources.



PROJECT:

Climate Change Programme in Latin America

COUNTRIES:

Argentina, Bolivia, Brazil,
Chile, Colombia, Ecuador,
Mexico, Paraguay, Peru

LEAD INSTITUTION:

KfW

PARTNERS:

CAF

EU-LAIF

TOTAL COST:

€ 303 000 000

LAIF CONTRIBUTION:

€ 3 000 000

TYPES OF SUPPORT:

Technical Assistance

DURATION PERIOD:

Mar 2011 – Mar 2020

CURRENT STATUS:

Ongoing

SPECIFIC ACTIVITIES IN THE COUNTRY:

- Technical Assistance, studies (feasibility studies and assessment) and promotional activities.
- Electrical interconnection between Bolivia and Paraguay: Carry out the Prefeasibility study of the interconnection line between the electric systems of Bolivia and Paraguay.
- Bolivia Electrical International Interconnection with Neighbouring Countries Study: Identify and evaluate the pre-feasibility of the electrical interconnection alternatives between Bolivia and its neighbouring countries.

DESCRIPTION OF THE MULTICOUNTRY PROJECT:

This program is aimed at financing investments in renewable energy and environmental protection projects in Latin America. To complement the investment funding, the EU granted technical assistance funds through LAIF to carry out studies that foster innovative technologies and projects in the sector with the aim of converting them into potential investment projects for CAF. They included feasibility studies and renewable energy potential assessments for Latin American countries, among other climate change projects and initiatives.

EXPECTED RESULTS OF THE MULTICOUNTRY PROJECT:

- The program contributes to mitigation and adaptation to climate change as well as protection of the environment in Latin America through 10 studies in the fields of electrical integration, “green” energies and climate-related issues, promoting environmentally focused infrastructure investments.



PROJECT:

Geothermal Development Facility Latin America Program

COUNTRIES:

Bolivia, Chile, Colombia,
Costa Rica, Ecuador,
El Salvador, Guatemala,
Honduras, Nicaragua, Peru

LEAD INSTITUTION:

KfW

PARTNERS:

AFD

BCIE

CAF

EIB

EU-LAIF

IDB

JICA

WBG

TOTAL COST:

€ 1 094 000 000

LAIF CONTRIBUTION:

€ 20 500 000

TYPES OF SUPPORT:

Investment grants
Technical assistance

DURATION PERIOD:

Dec 2014 – Dec 2026

CURRENT STATUS:

Ongoing

SPECIFIC ACTIVITIES IN THE COUNTRY:

- Risk Mitigation Fund.
- Investment Financing Windows.
- Technical Assistance Forum (TAF).
- Grant for surface studies: Geothermic project Empexa (15MW):
 - GDF-Risk Mitigation Fund: after the launch of the Call for Proposals in 2017 and 2018, the GDF has signed 9 projects (7 surface studies and 2 contingency drilling grants) with a total expected generation capacity of 475 MW and a funding volume of EUR 14.1 million.
 - GDF TAF held in July 2018 and 2019, with WB and IDB, as a platform for other stakeholders, technical assistance providers and project developers, to discuss topics related to competitiveness of geothermal energy and renewable energies.
 - GDF Investment Financing Windows: in discussion about the follow-up financing related with the signature of loan agreements with CAF and CABEL.

DESCRIPTION OF THE MULTICOUNTRY PROJECT:

The Geothermal Development Facility for Latin America aims at overcoming existing barriers to the development of geothermal energy by providing:

1. A tailored Geothermal Risk Mitigation Fund in order to diminish geothermal resource risk during the exploratory drilling stage of the project.
2. Geothermal investment financing windows to deliver anchor financing for subsequent investments during the production drilling and construction stages.
3. A Technical Assistance Forum to offer a suitable venue for policy dialogue between donors and partner governments.

EXPECTED RESULTS OF THE MULTICOUNTRY PROJECT:

- 350 MW additional capacity from geothermal energy by 2024.
- 1.88 Million tCO₂ e/yr fewer relative (net) greenhouse gas emissions.
- 2.25M beneficiaries.



PROJECT: Promoting Climate Change Adaptation and Integrated Water Resources Management Investment in the water sector in LA in the framework of the Spanish Cooperation Fund for Water and Sanitation (FCAS)



COUNTRIES:

Argentina, Bolivia, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Honduras, Nicaragua, Paraguay, Peru

LEAD INSTITUTION:

AECID

PARTNERS:

IDB

EU-LAIF

TOTAL COST:

€ 615 300 000

LAIF CONTRIBUTION:

€ 15 300 000

TYPES OF SUPPORT:

Investment grants
Technical assistance

DURATION PERIOD:

Dec 2013 – Dec 2019

CURRENT STATUS:

Ongoing

SPECIFIC ACTIVITIES IN THE COUNTRY:

- Reinforcement of capacities associated with the programs and studies developed in the pre-investment phase to identify new investments in new actions, review of regulations and the development of methodologies, tools and manuals.
- National inventory of wastewater treatment, characterization and database: Final delivery relates to 1) Recommendations for the formulation of the national wastewater treatment strategy. 2) Support to the monitoring of the national inventory of wastewater treatment plants and support to the definition of the national strategy for wastewater treatment in Bolivia.
- Support for the implementation of the Master Plan for the Katari Basin of Lake Titicaca: Final deliveries were presented:
 - ✓ Pre-investment technical design study for integral management of the Lake Micro-watershed Minor Cohana - Municipality Puerto Perez with the municipality of Puerto Perez and communities.
 - ✓ Consultancy in the elaboration of a proposal of terms of reference for the model and monitoring network of the expanded Katari Basin.
 - ✓ Systematization of the results of the national inventory of the wastewater treatment plant (WWTP) and support for the definition of the national wastewater treatment strategy. wastewater in Bolivia (first consultancy).
 - ✓ Support for the design, improvement and expansion of the wastewater treatment plant in Bolivia. Wastewater Puchukollo, El Alto - Bolivia.
 - ✓ Pre-investment technical design study for the integral management of the Ghalla Micro-watershed. Jahuira - Municipality of Pucarani.
 - ✓ Communication and Awareness Plan Katari Basin.



DESCRIPTION OF THE MULTICOUNTRY PROJECT:

The LAIF contribution aims to improve water and sewerage infrastructures and contribute to reduce the risks of diseases caused by water management in the Latin American region through the development of various projects. These are grouped into two components: Component I, projects for Adaptation to Climate Change (ACC) and Component II, projects for the Integrated Management of Water Resources (GIRH).

The projects consist of the reinforcement of capacities associated with the programs, studies developed in the pre-investment phase to identify new investments in new actions, review of regulations and the development of methodologies, tools and manuals, which in turn will have an impact on future investments.

EXPECTED RESULTS OF THE MULTICOUNTRY PROJECT:

Support the inclusion of adaptation to climate change measures (especially in relation to extreme events such as droughts and floods), both in policies and investments related to the water and sanitation sector; and to influence the development of policies and investments of the sector through the promotion of solutions adapted to the needs and capacities of the population.



PROJECT:

Sustainable Transport Networks in Latin America

COUNTRIES:

Argentina, Bolivia, Brazil,
Chile, Colombia, Costa Rica,
Honduras, Mexico,
Paraguay, Peru

LEAD INSTITUTION:

AFD

PARTNERS:

CAF

EU-LAIF

TOTAL COST:

€ 403 000 000

LAIF CONTRIBUTION:

€ 3 000 000

TYPES OF SUPPORT:

Technical assistance

DURATION PERIOD:

Oct 2011 – Sep 2017

CURRENT STATUS:

Completed

SPECIFIC ACTIVITIES IN THE COUNTRY:

- **Prefeasibility of the Sucre Integrated Transport System:** Amount: 216.972,00 USD
 - ✓ Updating the supply and demand for transport services and building the transport model.
 - ✓ Operational design of transport systems.
 - ✓ Technical pre-design of the integrated transport system
 - ✓ Design of the legal, institutional and financial structure of the public transport system
 - ✓ Participation and socialisation plan for the integrated public transport system.
- **Pre-feasibility of Integrated Transport System in Tarija:** Amount: 214.512,00 USD
 - ✓ Updating information on public transport demand. - Construction of a public transport model.
 - ✓ Establishment of a new transport concept.
 - ✓ Optimisation of the quality and efficiency of public transport service. Reduced travel time.
 - ✓ Reduction of environmental pollution.
 - ✓ Social equality in the current transport system.
 - ✓ Public transport coverage.
 - ✓ Accessibility to public transport for passengers with reduced mobility.
 - ✓ Strengthening the technical capacities of the Tarija Municipal Autonomous Government for the management of the model of transport.
 - ✓ Pre-design of the collection and payment system and control system for the SITM at the metropolitan.
 - ✓ Pre-design of the economic, financial and organizational structure of the SITM operation, including the definition of the business units.
 - ✓ Technical pre-design of the project.

DESCRIPTION OF THE MULTICOUNTRY PROJECT:

The goal of this program was to increase knowledge of urban development and transport in the region, by identifying new sources of financing for public transport projects (public-private partnerships, land valuation, etc.); identifying the regulatory obstacles to innovative transport projects and the way to surmount them; highlighting the potential of local communities to carry out this type of projects; and making it possible to define the technical and financial contours of specific projects in targeted cities (master plans and prefeasibility studies), thus promoting the emergence and implementation of public transport projects in the region.



ACHIEVED RESULTS OF THE MULTICOUNTRY PROJECT:

16 transport studies were finalized with LAIF funding: 10 studies are integrated mobility strategies and plans or prefeasibility studies for certain cities in Bolivia, Brazil, Colombia and Peru; the other 6 are related to general issues regarding innovative urban transport with a regional scope.



PROJECT:

Sustainable Cities and Climate Change

COUNTRIES:

Bolivia, Brazil, Colombia
Ecuador, Panama, Peru

LEAD INSTITUTION:

AFD

PARTNERS:

CAF

EU-LAIF

TOTAL COST:

€ 104 868 000

LAIF CONTRIBUTION:

€ 4 368 000

TYPES OF SUPPORT:

Technical assistance

DURATION PERIOD:

Dec 2015 – Dec 2021

CURRENT STATUS:

Ongoing

SPECIFIC ACTIVITIES IN THE COUNTRY:

- **La Paz, Tarija carbon footprint study:** Component 2: Territorial climate phenomena. Indices of vulnerability to Climate Change In December 2018, a bidding process was opened to carry out a study on vulnerability to Climate Change in the cities of La Paz and Tarija (Bolivia).
- **Sustainable mobility in the city of Santa Cruz de la Sierra:** Pre-investment studies in climate projects to define the business model and the technical, legal, financial, social and environmental structuring for the operation of the first phase of the new integrated transport system of Santa Cruz de la Sierra.

DESCRIPTION OF THE MULTICOUNTRY PROJECT:

LAIF's action is embedded in the "Cities with a Future" program, launched by CAF to accompany policies for sustainable urban development in Latin America and to promote an integrated, multi-sectoral approach to urban development in order to better answer the challenges faced by local governments. The program helps structure a dialogue with the cities on four main issues: inclusive urban development, productive transformation, environmental sustainability and institutional strengthening and security. In the framework of the program, the first step towards implementation includes technical assistance (diagnosis and priorities) financed through a grant, leading to investments as a second step. The action has two components: a credit facility and technical assistance.

EXPECTED RESULTS OF THE MULTICOUNTRY PROJECT:

- The credit facility will finance two to urban investment projects classified as climate related (mitigation or adaptation) in Latin America.
- The Technical Assistance Program will accompany local governments in the definition of low-carbon and climate-resilient urban strategies, to reduce their greenhouse effect gases emissions, and of tools (vulnerability diagnoses) and measures to reduce their vulnerability to the impacts of climate change.



PROJECT:

Technical Assistance to Fonplata Regional Framework Loan

COUNTRIES:

Argentina, Bolivia, Brazil,
Paraguay, Uruguay

LEAD INSTITUTION:

EIB

PARTNERS:

EU-LAIF

TOTAL COST:

€ 102 390 000

LAIF CONTRIBUTION:

€ 2 390 000

TYPES OF SUPPORT:

Technical assistance

DURATION PERIOD:

Dec 2018 – Dec 2023

CURRENT STATUS:

Ongoing

SPECIFIC ACTIVITIES IN THE COUNTRY:

- Bridge construction program for the department of Cochabamba.
- Water harvesting and photovoltaic energy.

DESCRIPTION OF THE MULTICOUNTRY PROJECT:

The project has the objective of supporting multi-sector initiatives centred on climate mitigation and adaptation, in sectors such as the provision of basic services in rural and urban areas, urban renewal, and improvement of climate change resilience in the Basin. Small-sized projects with a focus on social deprivation and climate resilience will be targeted.

LAIF contributes with technical assistance to support FONPLATA in improving its policies and procedures in areas that were identified as priorities. The focus of this support is to upgrade environmental and social safeguards in line with EU standards.

EXPECTED RESULTS OF THE MULTICOUNTRY PROJECT:

- Build in-house knowledge and technical capacity to establish appropriate policies and processes for mainstreaming climate change actions at FONPLATA.
- Build FONPLATA's capacity for effective planning, design and implementation of climate change resilience programmes and projects.
- Facilitate flow of funding from FONPLATA to eligible climate action projects and beneficiaries.
- Identify a new pipeline of projects addressing poverty reduction and climate change resilience.
- Improved access to basic services.