



ITAIPU BINACIONAL AND THE SUSTAINABLE DEVELOPMENT GOALS OF THE 2030 AGENDA



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Editing, design, and layout: Divisão de Imagem Institucional - Assessoria de Comunicação Social

Photos: Alexandre Marchetti, Daniel De Granville, Rafael Kondlatsch, and Rubens Fraulini

ITAIPU BINACIONAL

Av. Tancredo Neves, 6.731 - Foz do Iguaçu, Paraná, Brasil

Tel: (+55) 45 3520-5252

Get to know more about us: itaipu.energy



ITAIPU AND THE SDGs



Support to 3 indigenous communities.



Two new bridges connecting Brazil and Paraguay.



3,500 assisted families, including indigenous.

Work Initiation and Incentive Program: 6,600 adolescents benefitted.



Several initiatives helping to reduce health risks in both countries.

Protected Areas as nucleus zone of UNESCO's Biosphere Reserve.



Ongoing initiatives for environmental education.

Sustainable Procurement.



Promotion of Gender Equity.

Annual fixation of 6.4 million tons of CO2 by forest biomass.



Almost 800 Microwatersheds recovered.

Government, NGOs, Private Sector, International Organizations, Academy.

From source to sea: micropollutant monitoring program.



Electricity supply: 86.4% Paraguay, 8.7% Brazil.

100 thousand ha of the Atlantic Forest protected.



Tourism: more than 25 million visitors since 1977.



Protection of Children and Adolescents Program.





INTRODUCTION

Itaipu Binacional is a Brazilian and Paraguayan hydroelectric plant, a global leader in the generation of clean and renewable energy, having produced nearly 3 billion megawatt-hours (MWh) since 1984 – enough to power the planet’s consumption for 46 days.

Located on the border between the two partner countries, Itaipu has 20 generating units with a combined installed capacity of 14,000 MW. In 2022, the hydroelectric plant was responsible for supplying 8.7% of all the electricity consumed in Brazil and 86.4% in Paraguay.

Established in 1974, the company has become a strong symbol of integration between Brazilians and Paraguayans and has overcome numerous challenges, in terms of engineering and in legal, financial, and diplomatic aspects.

Over time, Itaipu has broken successive records in energy generation. In 2016, it reached an annual mark of 103,098,366 megawatt-hours (MWh), its best production and the largest in the world at that time. In recent years, the plant has exceeded its own productivity index, which is based on achieving the maximum utilization of water for energy production.

Today, the plant is relevant not only for its production. With the growth of new renewable sources, particularly intermittent generation sources like solar and wind, hydroelectric plants such as Itaipu also serve as a kind of “battery” for the electrical grid.

For Brazil, its installed capacity and quick response provide security to the National System Operator (ONS). When needed, the plant can rapidly respond to peak demand, even when solar and wind farms decrease their production (due to a lack of sunlight or wind, for example). Thus, Itaipu remains a guarantee for consumers, both in the present and the future.

In 2024, Itaipu hosts the 15th Ministerial Meeting on Clean Energy, the 9th Ministerial Meeting of “Mission Innovation”, and the G20 ministerial meeting. These events take place in the year when Brazil holds the presidency of the group, which brings together the world’s major economies.

The choice is due to the extensive activities of the company, which go far beyond energy generation and are reflected in initiatives related to each of the 17 Sustainable Development Goals (SDGs) that make up the



2030 Agenda. In recent decades, the binational entity has become one of the main drivers of economic and social development in the border region between the partner countries and has established itself as a reference in environmental conservation, becoming a global icon of sustainable hydropower.

Environmental concern has been part of Itaipu's history. With the formation of the reservoir, the company invested in creating a green belt of over 100,000 hectares of preserved Atlantic Forest. There are eight biological reserves and refuges in both countries, totaling 45,000 hectares, including the reservoir protection zone. These areas are recognized by UNESCO as a Biosphere Reserve, making Itaipu the only hydropower plant in the world with this title. On the Brazilian side alone, Itaipu has planted 24 million trees. On both shores, the estimate is 44 million.

In addition to reforestation and reservoir protection, another measure to reduce and offset the impacts caused by the project's implementation was the royalty system, paid to the national treasuries of both countries in accordance with their respective legislation. Royalty payments

began in March 1985. Since then, the governments of Brazil and Paraguay have jointly received over US\$13 billion. Itaipu's mission incorporates social and environmental responsibility, which is translated into various programs focused on the environment, the development of new technologies, local communities around the plant and the reservoir, tourism, and regional infrastructure improvements, contributing to job creation and income generation.

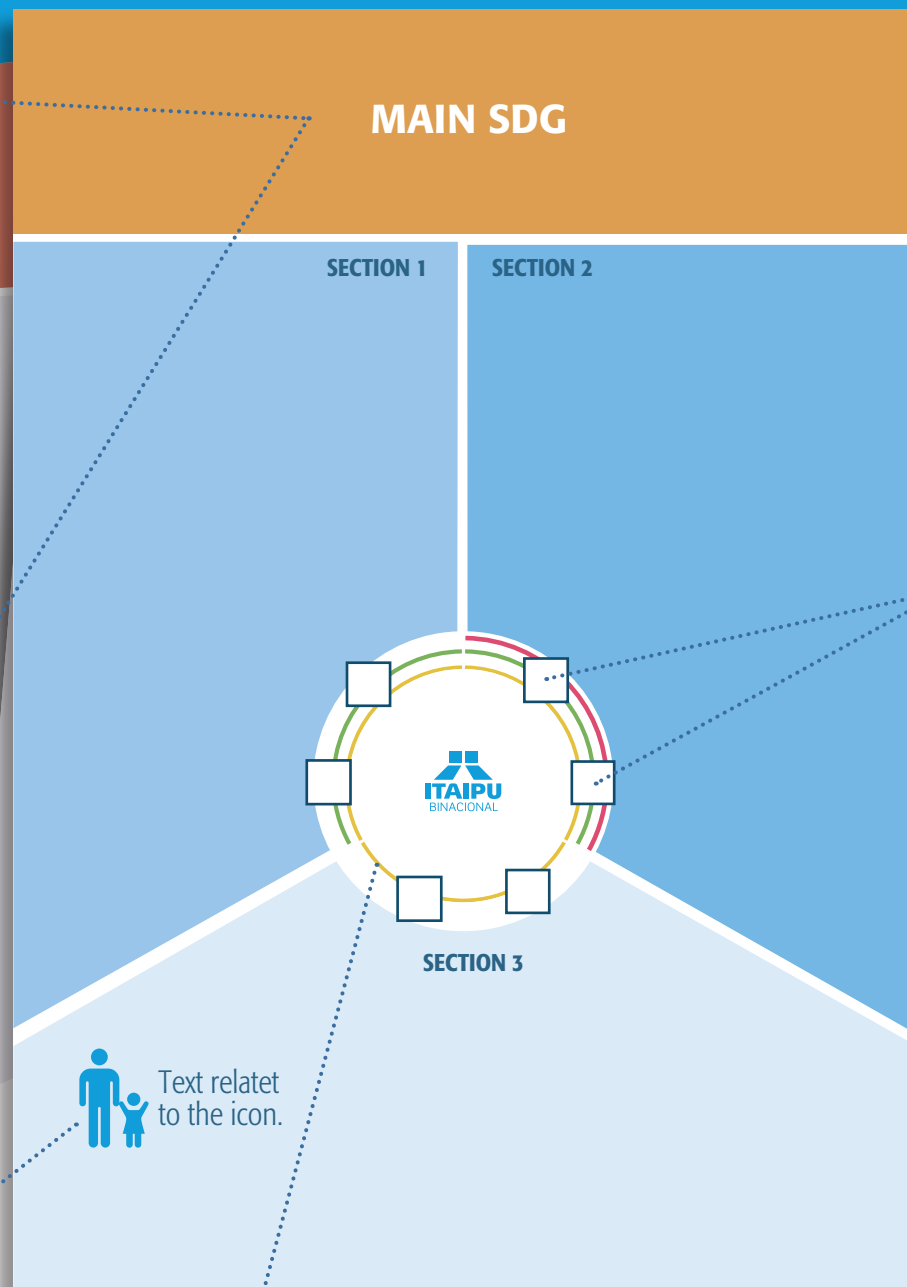
In 2023, the Brazilian side of the plant expanded the scope of its socio-environmental actions to cover 434 municipalities, encompassing the entire state of Paraná and the southern part of Mato Grosso do Sul, with the "Itaipu Mais que Energia" (Itaipu: More than Energy) program.

In this publication, through infographics, Itaipu provides an update on its key contributions to advancing the 17 SDGs within the Brazilian area of the plant's operations. For a better understanding of each infographic, please refer to the illustration that follows.

<p>1 NO POVERTY</p>	<p>2 ZERO HUNGER</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>	<p>4 QUALITY EDUCATION</p>
<p>5 GENDER EQUALITY</p>	<p>6 CLEAN WATER AND SANITATION</p>	<p>7 AFFORDABLE AND CLEAN ENERGY</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>
<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p>10 REDUCED INEQUALITIES</p>	<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>
<p>13 CLIMATE ACTION</p>	<p>14 LIFE BELOW WATER</p>	<p>15 LIFE ON LAND</p>	<p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>
<p>17 PARTNERSHIPS FOR THE GOALS</p>	<p>SUSTAINABLE DEVELOPMENT GOALS</p>		

HOW TO READ THE INFOGRAPHICS

The main SDG is the most related to the projects exhibited in all infographic's sections.



SECONDARY SDGs
The SDGs highlighted on the circle are also directly related to the projects in each section (Section 2, in this case).

MAIN RESULTS
A short text and an icon present each project.

OTHER SDGs (colored lines in the middle)
When the color from an SDG runs through another section, it indicates that the other projects are also related to this SDG, but to a lesser degree.

In this example:
The red line (SDG 4) occurs only in section 2.
The green line points that projects in sections 1 and 2 are SDG 15 related.
The yellow line indicates that all sections are SDG 7 related.

SDG 1: NO POVERTY


Health: preventive actions to improve the quality of life and eliminate nutritional risk 

Sustainable agriculture: support for sustainable agriculture and traditional farming practices 

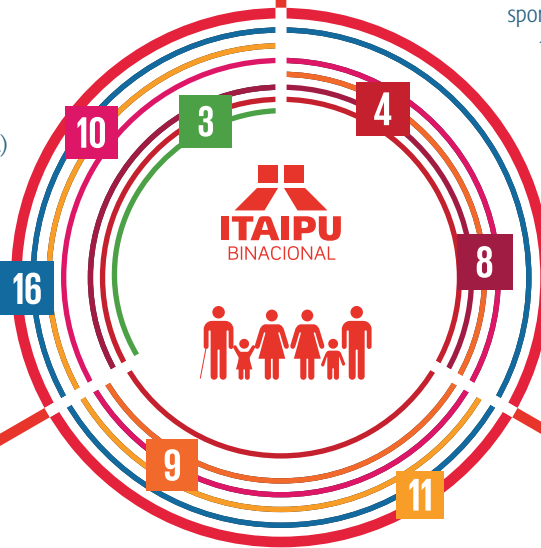
Education: support for formal education and professional qualification 

Security: support for public security agencies to carry out protective actions 

INDIGENOUS COMMUNITIES
(3 ASSISTED VILLAGES: OCOY, ANETETE AND ITAMARÃ)

Income generation: support for activities promoting income generation, such as craftsmanship, through cooperatives and associations 

Infrastructure: suitable and effective solutions for the well-being of indigenous communities 



WASTE MANAGEMENT PROGRAM

 increase in the income of recyclable collectors by **30%**, on average, and in some cases, up to 50%

 average income of **R\$1,799 per collector**

68 Recyclable Valorization Units (RVUs) in operation in Western Paraná, with **1,092 jobs** 

 **waste management** training center established in Santa Terezinha de Itaipu

YOUTH INITIATION AND WORK INCENTIVE PROGRAM (PIIT)

 **6,600 teenagers** served since 1988

SOCIAL INCLUSION THROUGH SPORT

sports activities in the after-school period for **public school** students

 **Kimono Amigo (Friendly Kimono):** over 500 participants (expected to expand to 800 by 2028)

Maestro da Bola (Ball Master): approximately 1,000 children served 

 **Meninos do Lago (Boys of the Lake - canoeing):** about 1,000 children, teenagers, and people with disabilities served

Xadrez para Todos (Chess for Everyone): 42 students qualified for the state championship 

 **Joven Atletas Campeões do Futuro (Young Future Champion Athletes - athletics):** about 1,000 young people served

CONSTRUCTION OF AFFORDABLE HOUSES

 **260 families** in Foz do Iguaçu benefited

 **R\$ 125 million** raised from the sale of Itaipu properties for investment in the Housing Project

SDG 2: ZERO HUNGER

EDUCATION AND HEALTH

SUSTAINABLE RURAL DEVELOPMENT FROM 2020 TO 2023

 approximately **3,500 families** benefited, including indigenous communities

 **75 family farmer organizations** served in 35 municipalities

 **25,000** technical consulting services for farmers

 438 group training activities, with the participation of **3,993 farmers**

FISH FARMING

150 tons of fish produced (forecast for 2023) 

700 fishermen and families with improved employment and well-being 

EDUCATION FOR SUSTAINABILITY IN AGRICULTURE AND FOOD SECURITY

training for **480** nutritionists and chefs 

over a **thousand cooks** participate in competitions 


69 recipes published, healthy guidance books 

CONSERVATION ACTIVITIES

 soil conservation area **74,036 ha**

 rural road reconditioning **2,244 km**

 fences for riparian forest protection **1,346 km**

 restored water springs **789**

SDG 3: GOOD HEALTH AND WELL-BEING

PARTNERSHIPS

ITAIPU-HEALTH WORKING GROUP

 support of **health and well-being** initiatives addressing communities in the Triple Frontier region

 strengthening **public health policies** in the region

 coordination of actions to **integrate health services**

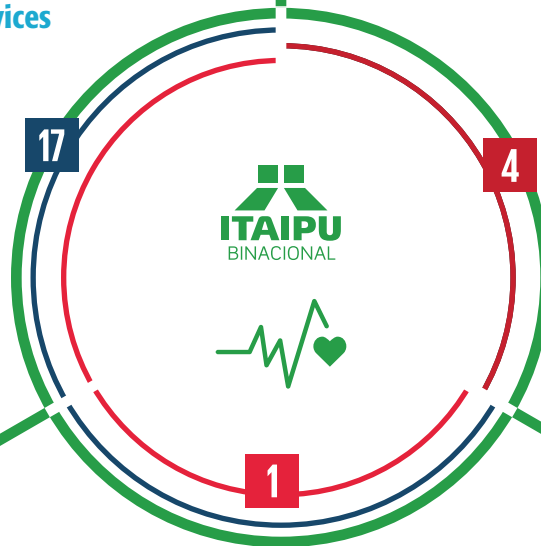
 expansion of treatment and **social reintegration** for substance dependents

EDUCATION

HEALTH EDUCATION


partnership with a regional university for **hospital care qualification** 

training in "Education, Health, and Sustainability – Integrative Health" and "Education and Sustainability – Positive Psychology," for nearly 3,000 professionals in 2022 




POVERTY REDUCTION

HOSPITAL CARE

 Itaipu maintains a reference **hospital** in Foz do Iguaçu, providing services to users of the Unified Health System

ARBOVIRUSES

support for campaigns in the three borders region to **reduce cases of** dengue, zika and chikungunya 

SDG 4: QUALITY EDUCATION

RESEARCH, DEVELOPMENT, AND INNOVATION

ITAIPU PARQUETEC



84 courses, including 30 undergraduate, 27 postgraduate, 11 specialization, 14 master's, and two doctoral programs



1,670 individuals trained in Dam Safety, Sustainability, and Applied Technologies by PTI



2,473 Scholarships already granted by the Itaipu Technology Park (PTI)

LABORATORIES



support for the **Federal Institute of Paraná (IFPR)** in the creation of a new laboratory block

FEDERAL UNIVERSITY OF LATIN AMERICA INTEGRATION (UNILA)



support for the **resumption** of construction work on the Foz do Iguaçu campus

UNIVERSITY OF MATO GROSSO DO SUL



agreement to build and equip a soil analysis and herbarium laboratory

SOCIAL DIMENSION



over **6,600 teenagers** participated in the Youth Initiation and Work Incentive Program (PIIT)

55 municipalities impacted by improvements in school meals 



3 indigenous villages supported in the development of organic agriculture and traditional crafts



AWARENESS, MONITORING, AND CAPACITY BUILDING



3,386 individuals trained in solid waste management since 2021



25,000 people impacted annually by the Knowledge Expedition (a mobile truck unit providing educational activities in sustainability)



course and competition for kitchen workers with emphasis on organics and family farming

workshops for water spring recovery, community gardens, and cisterns 

EDUCATIONAL SPACES

more than **35,000 children and teenagers** visit the Ecomuseum and the Bela Vista Biological Refuge annually 

SDG 5: GENDER EQUALITY

PROMOTION OF GENDER EQUITY



organizing the **1st Latin American Women Integration Meeting**, with 1,400 women



establishment of the **Gender, Race, and Inclusion Committee** to expand institutional actions



support in developing policies for Gender and Racial Equity and Combatting Harassment and Discrimination within the Ministry of Mines and Energy



modification of requirements for filling positions by women, black and brown individuals, and Persons with Disabilities (PwDs) in Itaipu's **selection processes**

EDUCATION AND PEACE

Hangar Women Program, for training, support, and investment in promoting women's entrepreneurship



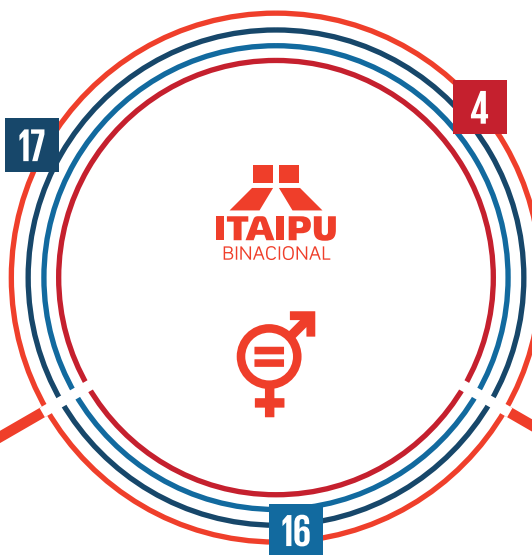
internal communication

campaign to appreciate female employees at Itaipu



GENDER AND DIVERSITY OBSERVATORY IN LATIN AMERICA AND THE CARIBBEAN

in 2023, it began to include a representative from Itaipu; associated with UNILA, it serves as a space for **collaboration** in research, teaching, and extension on the topics of Gender, Public Policies, and Diversity in Latin America and the Caribbean



PROTECTION OF WOMEN AGAINST VIOLENCE



investment of **US\$ 636 thousand** in the new Women's Police Station and Identification Institute in Foz do Iguacu



investment of **US\$ 1.81 million** in the Casa da Mulher Brasileira (Brazilian Women Home), for victims of domestic and family violence in the Triple Frontier region



SDG 6: CLEAN WATER AND SANITATION

ECOSYSTEM SERVICES



101,000 hectares of protected areas on both sides of the reservoir (34,000 hectares on the Brazilian side)



annual fixation of **6.4 million tons** of CO2 by forest biomass



175 water spring recovery workshops involving 2,625 people since 2020

SANTA MARIA ECOLOGICAL CORRIDOR + PARANÁ RIVER BIODIVERSITY CORRIDOR



promotion of **connectivity, restoration, and conservation** of ecosystems, coordinating with partner institutions

WATER SECURITY

74,036 hectares of soil conservation



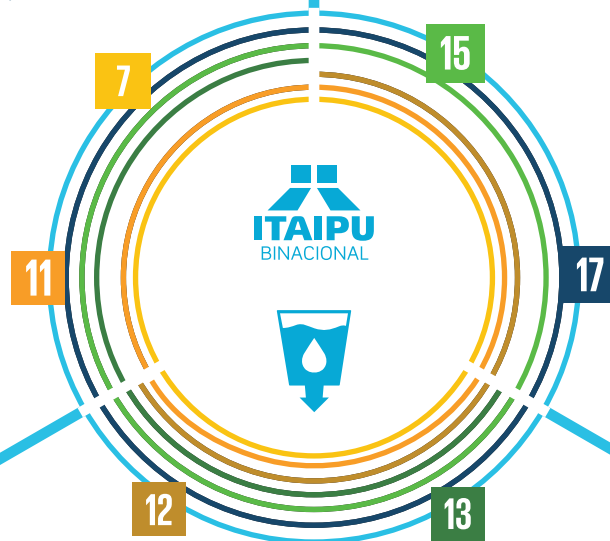
2,244 km of rural road reconditioning



789 restored and protected water springs



65 water and sediment monitoring stations



SUSTAINABLE REGIONAL DEVELOPMENT



3 municipalities use water from the reservoir for supply



assistance to **150 municipalities** supporting the implementation of water supply systems for 57 traditional communities in the states of Paraná and Mato Grosso do Sul

SDG 7: AFFORDABLE AND CLEAN ENERGY

20 generating units - production of clean and renewable energy

14,000 mw of installed capacity

103,098 GWh, a world record for annual generation in 2016, equivalent to 550,000 barrels of oil daily and 50 million cubic meters of natural gas

prevents the emission of 87 million tCO₂e (coal) and 39 million tCO₂e (natural gas)

SUSTAINABLE MOBILITY

energy storage system with sodium battery, on experimental production

ITAIPU FLEET

50 electric vehicles

15 vehicles powered by biomethane

BIOGAS

International Center for Renewable Energies (CIBiogas) established as a reference institution with 49 partner companies

TOLEDO BIOENERGY PLANT

production of **150,000 m³/month** of biogas

324 MWh/month of electricity generation

30,000 tons tons of carbon equivalent/year not emitted into the atmosphere

ITAIPU BIOGAS AND BIOMETHANE DEMONSTRATION UNIT

129 tons of treated waste from Itaipu's restaurants

240 tons of treated waste from seizures by the Receita Federal (IRS) and the Ministry of Agriculture

40,700 m³ of biomethane supplied to Itaipu's vehicles, equivalent to 480,000 km driven

OTHER RENEWABLE SOURCES

HYDROGEN

implementation of **experimental production**, including research and workforce training

ITAIPU MORE THAN ENERGY PROGRAM

funding for public structures: schools, municipalities, and hospitals in the installation of solar panels in the states of Paraná and Mato Grosso do Sul

KNOWLEDGE TRANSFER IN BIOGAS AND BIOMETHANE

4,184 course completion certificates issued for 28 countries across all continents and 26 Brazilian states

SOLAR

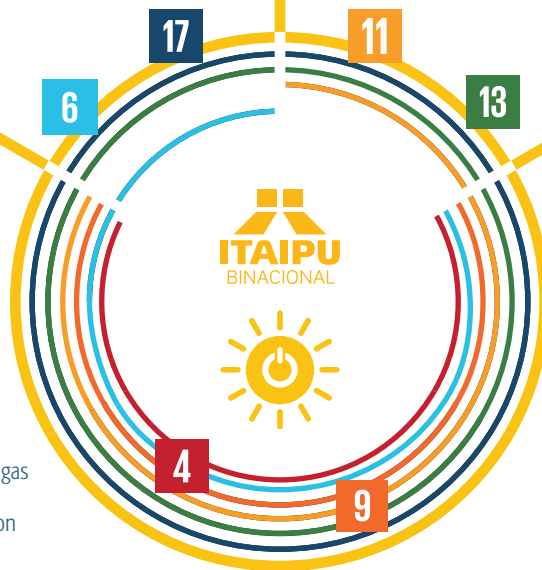
funding for the installation of photovoltaic panels through the Itaipu More than Energy Program

SOLAR-POWERED BATTERY SYSTEMS

development of Modular Energy Security Systems (SSEM) for isolated regions

research on second-life battery management systems, which are batteries that have already been used (e.g., in vehicles) and can be reused for other applications

pioneer **research** in sustainable aviation fuel (biosyncrude)



SDG 8: DECENT WORK AND ECONOMIC GROWTH

ENERGY, WATER AND SUSTAINABLE AGRICULTURE



3,525 families of family farmers benefited since 2020



US\$ 670 million already contracted for the technological modernization of the hydroelectric plant

700 fishermen and families with improved employment and well-being 

EMPLOYMENT AT ITAIPU



Approximately **1,300** people work on the Brazilian side of Itaipu

ITAIPU BINACIONAL TECHNOLOGY PARK



over **9,000** active individuals, including researchers, professors, collaborators, and students

EDUCATION, PEACE AND POVERTY ERADICATION

LABOR PRACTICES AND HUMAN RIGHTS

Itaipu committed to the **10 universal principles** of the United Nations Global Compact 



3,386 individuals trained in solid waste management since 2021

YOUTH INICIATION AND WORK INCENTIVE PROGRAM (PIIT)


6,600 teenagers served since 1988 

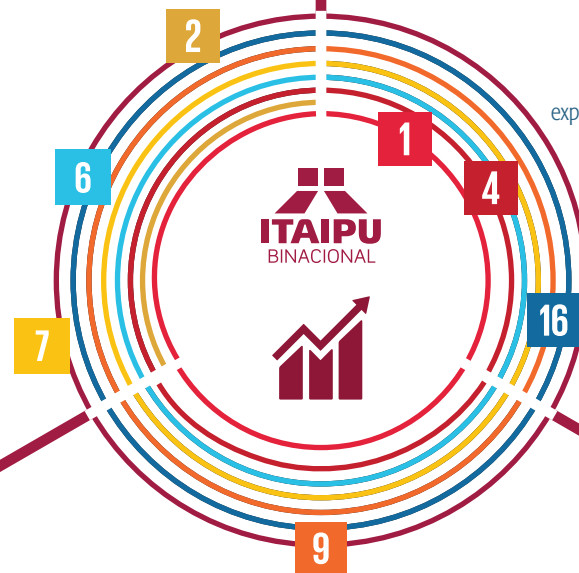
 a **40%** increase in per capita family income

expanded **access to education and health** for teenagers with impacts on the family 



about **30** former PIIT participants are now permanent employees of Itaipu

90% of apprentice teenagers completed high school; 5% entered higher education; higher likelihood of entering the job market compared to those who are not apprentices. 



SUSTAINABLE INDUSTRIES



6.3 million tourists visited the Brazilian side of Itaipu between 2008 and 2022, resulting in revenues of R\$ 165 million, used for job generation and maintenance of tourist infrastructure



since 1977, over **25.5 million** tourists on both sides (Brazil and Paraguay)

SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

EDUCATION, EMPLOYMENT, AND PARTNERSHIPS

INTEGRATION BRIDGE



new connection between Brazil and Paragua

FOZ DO IGUAÇU (PR)



revitalization of the Iguassu Falls International Airport



widening of the Cataratas Highway (BR-469)

CASCAVEL/TOLEDO (PR)



development of the Executive Project for the Regional Airport

GUAÍRA (PR)



improvement works at the International Port

UMUARAMA (PR)

paving of the Boiadeira Road, connecting northwest Paraná to Porto Murtinho (MS), a connection point with the bioceanic corridor linking Brazilian and Chilean ports



TERRITORIAL INTELLIGENCE CENTER (NIT)

technology for territorial management, enhancing efficiency in resource utilization



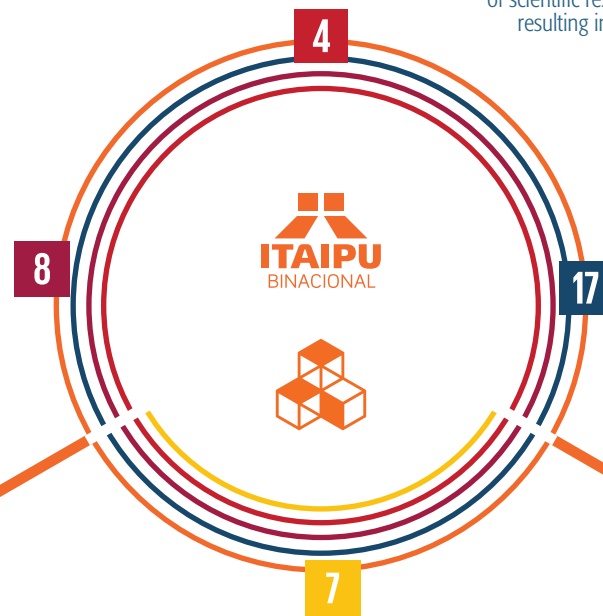
investment in and strengthening

of scientific research, in collaboration with 19 universities, resulting in 109 female scholars and 68 male scholars



DAM SAFETY

over **950 students** participated in 180 research projects



ENERGETIC EFFICIENCY



US\$ 670 million already contracted for the technological upgrade of the dam

LABORATORY OF ELECTRICAL SYSTEMS AUTOMATION (LASSE)



26 solutions installed at Itaipu;
74 technological services performed in the simulation area;
 over **100** researchers;
85 published articles

SDG 10: REDUCED INEQUALITIES

OPPORTUNITIES FOR EDUCATION AND LEARNING

CHILD AND ADOLESCENT PROTECTION PROGRAM (PPCA)



Kimono Amigo (Friendly Kimono): over 500 participants (expected to expand to 800 by 2028)



Maestro da Bola (Ball Master): approximately 1,000 children served



Meninos do Lago (Boys of the Lake - canoeing): about 1,000 children, teenagers, and people with disabilities served



Xadrez para Todos (Chess for Everyone): 42 students qualified for the state championship



Joven Atletas Campeões do Futuro (Young Future Champion Athletes - athletics): about 1,000 young people served



2,473 scholarships already granted by Itaipu Technology Park (PTI)

ECONOMIC GROWTH

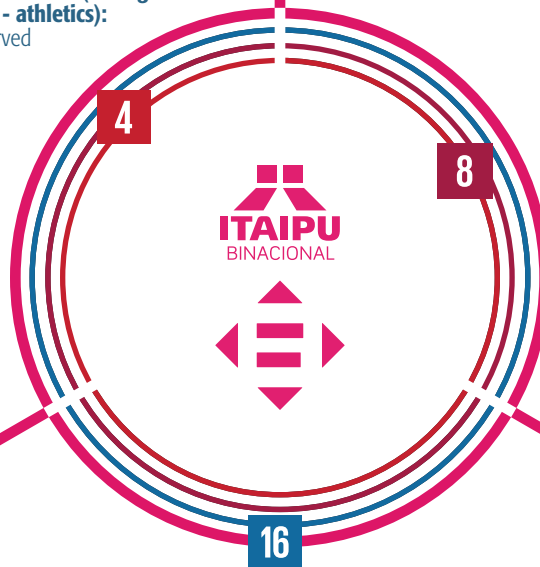
3,386 people trained in solid waste management since 2021



3 indigenous villages with increased income through organic farming and traditional crafts



150 tons of fish produced per year by artisanal fishermen with technical assistance from Itaipu: courses for up to 100 fishermen in 2023



INCLUSION



6,600 adolescents served since 1988; **40%** increase in per capita family income; expanded **access** to education and adolescent health with impacts on the family



around **30 former members** of PIIT are now permanent employees of Itaipu



90% of apprentice adolescents completed high school; 15% entered higher education; higher likelihood of entering the job market compared to those who are not apprentices

SDG 11: SUSTAINABLE CITIES AND COMMUNITIES

EDUCATION AND PARTNERSHIPS

DAM SAFETY



over **950 students** participated in 180 research projects



development of technical and scientific knowledge on dam safety

TERRITORIAL INTELLIGENCE CENTER (NIT)

technology for territorial management, increasing efficiency in resource utilization



investment in and strengthening of scientific research, in partnership with 19 universities, resulting in 109 female scholars and 68 male scholars



SUSTAINABLE TERRITORIAL MANAGEMENT



1,150 people trained

MUSEUM MANAGEMENT AND CULTURAL HERITAGE PRESERVATION

44 traveling exhibitions with the participation of 63,000 people between 2020 and 2023



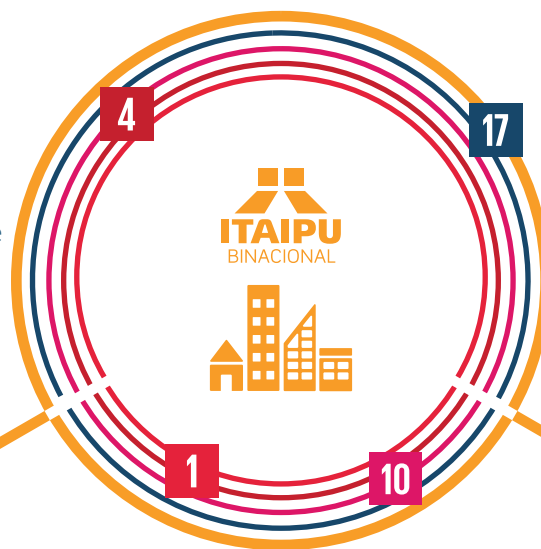
over **15,000 items** preserved by the Itaipu Ecomuseum in Brazil



ATLANTIC FOREST BIOSPHERE RESERVE (RBMA)



innovation in the RBMA governance structure with the creation of the first Decentralized Management Unit



HOUSING FOR VULNERABLE FAMILIES



260 families in Foz do Iguaçu benefited



US\$ 22.7 million raised from the sale of Itaipu properties for investment in the Housing project



SDG 12: RESPONSIBLE CONSUMPTION AND PRODUCTION

SUSTAINABLE AGRICULTURE

SUSTAINABLE RURAL DEVELOPMENT PROGRAM (FROM 2020 TO 2023)

-  **3,500** families benefited, including indigenous communities
-  **75** family farmer organizations served in 35 municipalities
-  **25,000** technical consulting services for producers
-  **438** group training activities, involving 3,993 farmers

SUSTAINABLE PURCHASING PROGRAM

 adoption of **sustainability** requirements for Itaipu's purchases

ENVIRONMENTAL EDUCATION

4,410 participants in 183 training courses between 2020 and 2023



EDUCATION AND SUSTAINABLE CITIES

SOLID WASTE MANAGEMENT

 **3,386** people trained since 2021

SDG 13: CLIMATE ACTION

RENEWABLE ENERGY SOURCES

ITAIPU

20 generating units with 14,000 MW of installed capacity

103,098 GWh, a world record for annual generation in 2016, equivalent to 550,000 barrels of oil daily and 50 million m³ of natural gas

avoids the emission of 87 million tCO₂e (coal) and 9 million tCO₂e (natural gas)

TOLEDO BIOENERGY PLANT

production of **150,000 m³/month** of biogas

324 MWh/month of electricity generation

30,000 tons of equivalent carbon/year not emitted into the atmosphere

BIOGAS AND BIOMETHANE AT ITAIPU

129 tons of treated waste from restaurants

240 tons of treated waste from seizures by the Receita Federal (IRS) and Ministry of Agriculture

40.7 million m³ of biomethane supplied to Itaipu's vehicles, equivalent to 480,000 km traveled

HYDROGEN

implementation of **experimental** production, including research and workforce training

ITAIPU MORE THAN ENERGY PROGRAM

funding for public structures: schools, municipalities, and hospitals installing photovoltaic panels in the states of Paraná and Mato Grosso do Sul

pioneer **research** in sustainable aviation fuel (biosyncrude)

KNOWLEDGE TRANSFER IN BIOGAS AND BIOMETHANE

4,184 course completion certificates issued to 28 countries on all continents and 26 Brazilian states

implementation of **biodigesters** as educational demonstration units in all 399 municipalities in the states of Paraná and 35 in Mato Grosso do Sul

CLIMATE MONITORING PLATFORM

173 integrated stations

RESTORATION OF LAND ECOSYSTEMS

annual sequestration of **6.4 million tons** of CO₂ equivalents by forest biomass

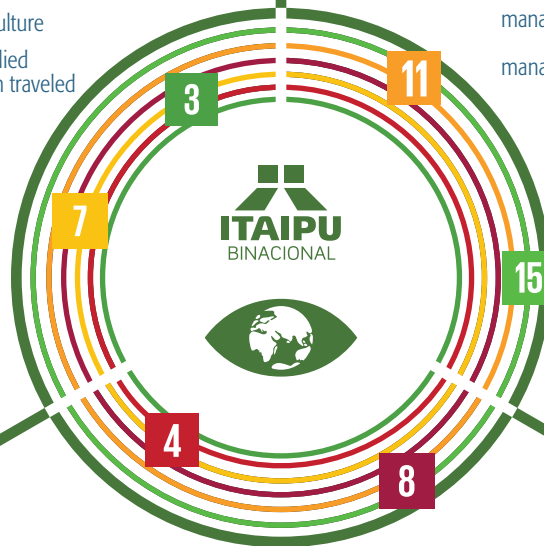
over **34 thousand hectares** of Atlantic Forest preserved on the Brazilian side

over **24 million trees** planted since the 1980s

1,346 km of fences installed for the protection of riparian forests

management of two **conservation** units in Paraná and one binational management unit in Mato Grosso do Sul

conservation actions in the Santa Maria Ecological Corridor and the Paraná River Biodiversity Corridor



SOLAR-POWERED BATTERY SYSTEMS

development of Modular Energy Security Systems (SSEM) for isolated regions

research on second-life battery management systems, which are batteries that have already been used (e.g., in vehicles) and can be repurposed for other applications

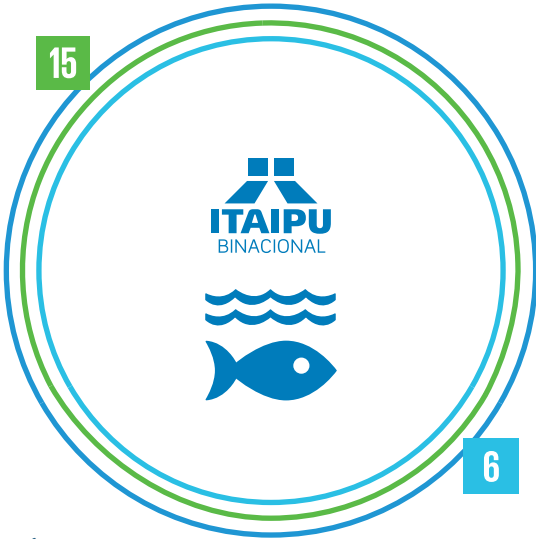
SDG 14: LIFE BELOW WATER

WATER AND TERRESTRIAL ECOSYSTEMS

AQUACULTURE MANAGEMENT PRACTICES



allocation of fingerlings to support aquaculture and a fish marking program produced in **sustainable systems without effluent generation**



FISH PRODUCTION WITH BIOFLOCS



experimental production for the dissemination of **good practices and technologies**

MICROPOLLUTANT MONITORING PROJECT

24 micro-watersheds monitored (12 Brazilian and 12 Paraguayan); 43 pesticides identified, with 36 in Brazilian micro-watersheds, 28 in Paraguayan micro-watersheds, and 21 in both countries



SDG 15: LIFE ON LAND

 **3,500** farming families benefited (including indigenous) with technical assistance for sustainable and organic production


SOIL CONSERVATION

 **74 thousand hectares** with soil conservation actions

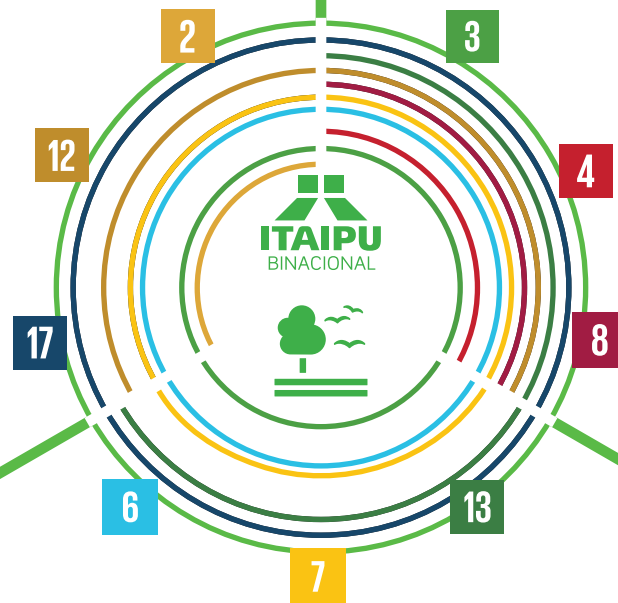
 **thousands** of rural producers received technical assistance

BIODIVERSITY

over **24 million trees** planted in Brazil since the 1980s 

56 species of local fauna benefit from Itaipu's conservation efforts (14 prioritized for establishing safety populations in zoos, and 42 brought by environmental agencies for treatment and rehabilitation) 

management of two **conservation** units in Paraná and one binational management unit in Mato Grosso do Sul 



ECOSYSTEM SERVICES

BIOSPHERE RESERVE

 Itaipu's protected areas are recognized by **UNESCO's "Man and the Biosphere"** program

conservation actions in the Santa Maria Ecological Corridor and the Paraná River Biodiversity Corridor 

over **34 thousand hectares** of Atlantic Forest preserved on the Brazilian side 

SDG 16: PEACE, JUSTICE AND STRONG INSTITUTIONS

EDUCATION

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Meninos do Lago (Boys of the Lake - canoeing): about 1,000 children, teenagers, and people with disabilities served



Xadrez para Todos (Chess for Everyone): 42 students qualified for the state championship



Joven Atletas Campeões do Futuro (Young Future Champion Athletes - athletics): about 1,000 young people served

INEQUALITIES REDUCTION

CHILD AND ADOLESCENT PROTECTION PROGRAM (PPCA)

6,600 adolescents served since 1988;
40% increase in per capita family income;
expanded access to education and adolescent health with impacts on the family



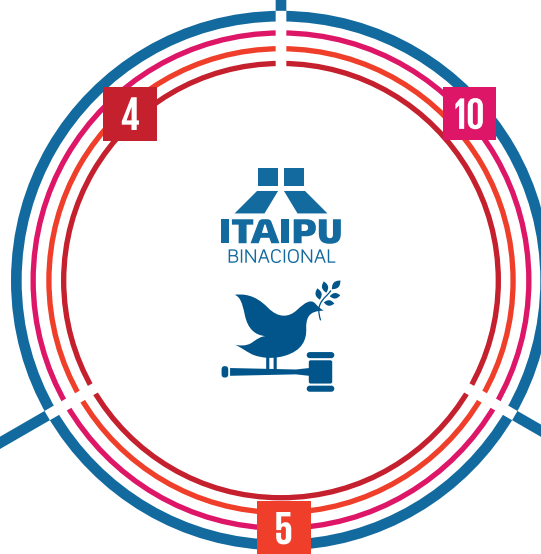
each year, direct impacts on the lives of an average of **200 adolescents** from Foz do Iguaçu, and indirect impacts on the lives of another 1,000 adolescents



EFFECTIVE AND TRANSPARENT INSTITUTIONS



adoption of the Integrity and Compliance System to prevent, identify, deter, and respond to illicit acts against Itaipu and foster a culture of integrity in the company; various training sessions conducted for the internal audience since 2019



PROTECTION OF WOMEN AGAINST VIOLENCE



investment of **US\$ 636 thousand** in the new Women's Police Station and Identification Institute in Foz do Iguaçu



investment of **US\$ 1.81 million** in the Casa da Mulher Brasileira (Brazilian Women Home), for victims of domestic and family violence in the Triple Frontier region



 **ITAIPU**
BINACIONAL

