

2023 Activities Report



FUNDAÇÃO
VALE



Vale Foundation
2023 Activities
Report

A Message from
the Board
of Trustees

A Message from
the President

The Vale Foundation

Education and
Healthcare Program

Knowledge
Stations

Combating
extreme poverty

Other initiatives

Tax-deducted
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Glossary of
projects

Project Staff



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A Message from the Board of Trustees

A collective future

At Vale, 2023 was a time to reflect on the projects we have now put into practice and to look at the issues that will be fundamental for the success of the company in the coming decades. This focus on considering the long-term future demonstrates the role that sustainability plays as one of the drivers for value creation and the longevity of the Company. We aim to celebrate our 100th anniversary, in 2042, knowing that we are pursuing our goal – to exist to improve life and transform the future, together.

As one of the world's leading companies operating in important production chains, we also understand that we can use our connective abilities to contribute to the environment and nature, transform lives, and support social and economic development in the regions where we operate. Reducing emissions, drawing 100% of our energy from renewable sources, reducing our water use, and recovering and protecting 500,000 hectares of forest areas beyond the

company's borders are amongst our targets and commitments for 2030.

The role of sustainability also encompasses our social ambition, which is to be a partner company in the development of independent communities, engaged in issues that are important to humanity, and committed to responsible mining: we want to be partners with the indigenous communities neighboring our operations, contribute to the healthcare, education and generation of income in the regions where we operate, whilst supporting the efforts to help 500,000 people get out of extreme poverty. We understand that the positive impacts we wish to generate are transdisciplinary and will only be effective with the contribution of more agents of change: companies, well-respected institutions, governments and civil society.





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We aim to celebrate our 100th anniversary pursuing our goal – **to exist to improve life and transform the future, together**

As a third sector business foundation, the Vale Foundation is an important ally on this journey, especially in the mainstays that structure social development: healthcare, education and generation of income. In 2023, the Vale Foundation expanded its reach and increased its partnerships, working together with the public authorities in 50 municipalities, as well as state governments, institutions such as the BNDES, Wheaton Precious Metals, and other companies operating in the mining chain, including CXHI, DHHI, GHT, Komatsu, Keda, Posco, Sotreq and U&M. In 2023, this ability to form networks also allowed the Vale Foundation to conduct four concept tests relating to Vale’s goals in the combating of extreme poverty.

The start of 2024 saw the Vale Foundation continuing with its structuring programs and projects and further developing its processes designed to gauge their impact, with a view to increasing its ability to analyze and adjust the routes being taken, whenever necessary, in the ongoing search for answers to the legitimate needs of the regions.

We have reinforced our belief that the path to a more sustainable future can only be pursued efficiently and safely if everyone is involved. The Vale Foundation, which maintains dialog and the strengthening of public policies at the heart of its brand, is one of the channels that Vale provides to interact with society and, above all, to continue constructing networks that support us in our objectives as a company.

Maria Luiza Paiva

Chairwoman of the Board of Trustees of the Vale Foundation and VP of Sustainability at Vale



A Message from the President

Shared results

Greater integration with the regions, consolidation of the partner network, perseverance in the strategy of strengthening public policies, and advances in the gauging of results. These were the principal achievements of the Vale Foundation's work in 2023. The advances made in implementing the Education and Healthcare Program, added to the strategy of promoting inter-sectoral partnerships, have been fundamental in our understanding of our role as partner to the public administration and mobilizer of social organizations possessing technical expertise.

The challenge of operating at scale without losing grasp of our ingrained understanding of the regions took on new dimensions, with the expansion of our reach and the arrival of new partners and counterparts.

The expansion of the Social Protection Health Cycle (CSPS) to operate in 24 municipalities in Maranhão is a clear example of this expansion,

which is not only geographical, but also involves the strengthening of the partnerships with the BNDES and Wheaton Precious Metals. We have also expanded the Literacy Trails project, which now includes the 4th and 5th grades of Elementary School in Maranhão. In Pará, the Education and Healthcare Program was further developed in eight municipalities, and in the South and Southeast, we have continued our work in municipalities in the states of Rio de Janeiro, Espírito Santo and Minas Gerais. The results of this work have been impressive, with 197,000 students benefiting from education projects and around 4,700 healthcare professionals receiving training.

But going beyond the numbers of those benefited, 2023 also saw an increase in our understanding of the impact of our network activities.





2023 also saw an increase in our understanding of the impact of our network activities

The monitoring of impact indicators, such as the Previne Brasil Final Summary Indicator (ISF), the Basic Education Index (Ideb), and the proficiency evaluations, especially the Reading Fluency Evaluation developed by the Collaborative Partnership for Literacy (Parc), in Maranhão, have all provided data inputs allowing us to reevaluate and prioritize our actions. But they have also given us reason to celebrate collective advances, especially those that involve the professionals who work on a day-to-day basis in the municipal departments, the healthcare centers, the homes of those in vulnerable situations, and in the schools that have begun working with our programs with such dedication and care. We also wish to promote the culture of evaluation both within Vale and elsewhere.

We ended 2023 with all 13 municipalities having fully implemented the Social Protection Health Cycle, achieving a higher average on the Previne Brasil ISF than that achieved in 2022. Roughly 104,740 people in situations of social vulnerability in these municipalities began accessing basic healthcare in 2023.

In Education, the Reading Fluency Evaluation showed us that, in 2021, 40% of the children in Maranhão did not read or could not recognize letters. In 2023, this had dropped to 22%. Just 22% of the children in Maranhão were considered to be readers (beginner or fluent readers), but this figure now stands at 53%.

In a broader analysis, we also want to drive changes in the more universal indicators of social development, such as the Municipal Human Development Index (MHDI) and the Social Progress Index (SPI).

2024, therefore, is presenting a series of important challenges, such as the commitment to incorporating structuring initiatives and impact indicators for the income generation axis into the Vale Foundation strategy. There is also the challenge of continuing to contribute to Vale's social targets, especially in the fight against extreme poverty.

Flavia Constant
President of the Vale Foundation



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The Vale Foundation



Introduction

The Vale Foundation is a third sector business foundation, that was founded in 1968. Its aim is to strengthen public policies and promote social development in the regions of Brazil where Vale operates.

Based upon the proposal to “improve life and transform the future, together”, Vale aims to construct a legacy that goes beyond the mitigation of the impacts caused by its operations, seeking regional development – including economic, social and environmental aspects – together with the neighboring communities. In recent years, Vale has been looking to develop its systematic operations, which consider the social and environmental fields as being structurally inseparable. The health of the community, quality education, productive inclusion, and preservation of nature, for example, can no longer be treated as isolated issues.

The consolidation of the company’s social ambitions requires further development of its strategies to confront extreme poverty and social vulnerability in the different regions. Within this context, the Vale Foundation provides a horizontal perspective on guaranteeing basic rights, favoring the development of independent communities, principally in the pillars of education, healthcare and the generation of income.

In partnership with civil society organizations, companies and governments, the Vale Foundation develops projects aimed at improving basic education and primary healthcare, contributing to having an impact on social indicators and the reduction of poverty. In 2023, it developed actions in 50 municipalities in the states of Pará, Maranhão, Minas Gerais, Espírito Santo and Rio de Janeiro.



The Vale Foundation provides a horizontal perspective on guaranteeing basic rights



Education

Programs designed to promote basic education, focused on literacy, and combating the inability to attend school



Healthcare

Healthcare programs designed to improve and expand basic healthcare services, social protection and public administration



Productive inclusion

Initiatives designed to promote the economic growth and autonomy of excluded publics



Knowledge Stations

Five Knowledge Stations



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The improvement of the strategy aimed at implementing structuring programs in focused municipalities has, amongst other things, brought about the possibility of monitoring external impact indicators, such as that of Previne Brasil, evaluations and proficiency, and the Basic Education Development Index (Ideb). These are indicators that provide the Vale Foundation with a better understanding of its activities in the regions, and enhance its ability to learn, adapt and create actions that promote social development in the municipalities and transform the lives of so many people.

The multi-annual planning of the operations and the network of partners were also fundamental factors in the consolidation of a performance model that takes as its premise inter-sectoral coordination – education, healthcare and social welfare working together to guarantee people’s basic human rights. The Foundation increased its presence in the states of Pará, where it continued with the Education and Healthcare Program in eight municipalities, and Maranhão, with the implementation of the Social Protection Health Cycle in 24 municipalities. In the Southeast, it continued with its education

and healthcare initiatives in municipalities in Minas Gerais, Espírito Santo and Rio de Janeiro. Furthermore, new projects began, such as the Literary Routes and Networks project, in Ouro Preto, and the Future Makers project, in Governador Valadares, both municipalities in Minas Gerais.

In the field of productive inclusion, initiatives such as the Women of Maranhão Network, the AGIR Program, Inova Up, and the Food Security Program provided guidance for the Vale Foundation to work more intently in this area.

Furthermore, the Vale Foundation is one of Vale’s strategic partners in its commitment to helping 500,000 people move out of situations of extreme poverty by 2030. Beginning with the understanding that poverty is a multi-dimensional phenomenon, it has adopted an approach focused on Multi-dimensional Family Monitoring (AFM), involving five dimensions: education, income, healthcare, nutrition and infrastructure. The so-called “concept testing” was incorporated into the actions already under way in Maranhão and Pará, focusing on families in vulnerable situations, on the guidance of public policies and the social programs that already exist in each location.



24 municipalities in
Maranhão implemented
the Social Protection
Health Cycle in 2023



The year's results

Highlights



1.81 million
people reached

89.8 million
invested

50 municipalities
in five states

BRL 252.3 million
in tax-deducted funds - Childhood
and Adolescence Fund, National Fund
for the Elderly, the Federal Sports
Incentive Law, Pronon and Pronas/
Disabled Persons

Education



197,600
students benefited

6,200
students returned to school

4,300
professionals trained

2,300
schools reached

93,000
items donated

Healthcare



1.71 million
SUS (NHS) users benefited

4,400
professionals trained

6,400 items
and pieces of equipment donated

313
health centers supported

60
Social Assistance Reference
Centers (CRAS) supported



Knowledge Stations



5 Knowledge
Stations

Marabá and Tucumã (PA), Arari (MA),
Serra (ES) and Brumadinho (MG)

8,300
people registered for activities

10,000
doctors' or dentists'
appointments provided

652,000
meals served

Productive inclusion



1,373
people served

30
social entities supported





Impact – monitoring the changes in the regions

Through our work at the poles, we aim to contribute to Vale’s social ambitions and monitor the contributions made by our projects in the areas of Education and Healthcare. By monitoring the indicators, we are able to track the evolution of each municipality, direct the work we do together with the municipal departments, and understand how we are collectively collaborating on behalf of the social development of the regions.



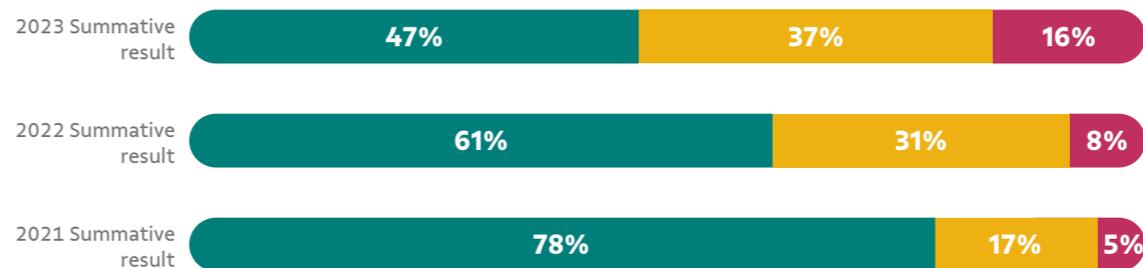
Maranhão – Reading Fluency Index (RFI)

Literacy results in Maranhão: evaluation of reading fluency

In Maranhão, the Vale Foundation forms part of the Collaborative Partnership for Literacy (Parc), an alliance that brings together other institutions in the third sector – the Bem Comum Association, the Lemann Foundation and the Natura Institute. In addition to this, it has implemented the Literacy Trails project in 24 municipalities situated along the Carajás Railroad.

Through Parc, we are able to monitor the Reading Fluency Index in the municipalities, an evaluation that counts how many words the children can recognize, read and understand.

Reading fluency in percentages – a comparison of cycles



● Pre-reader ● Beginner reader ● Fluent reader



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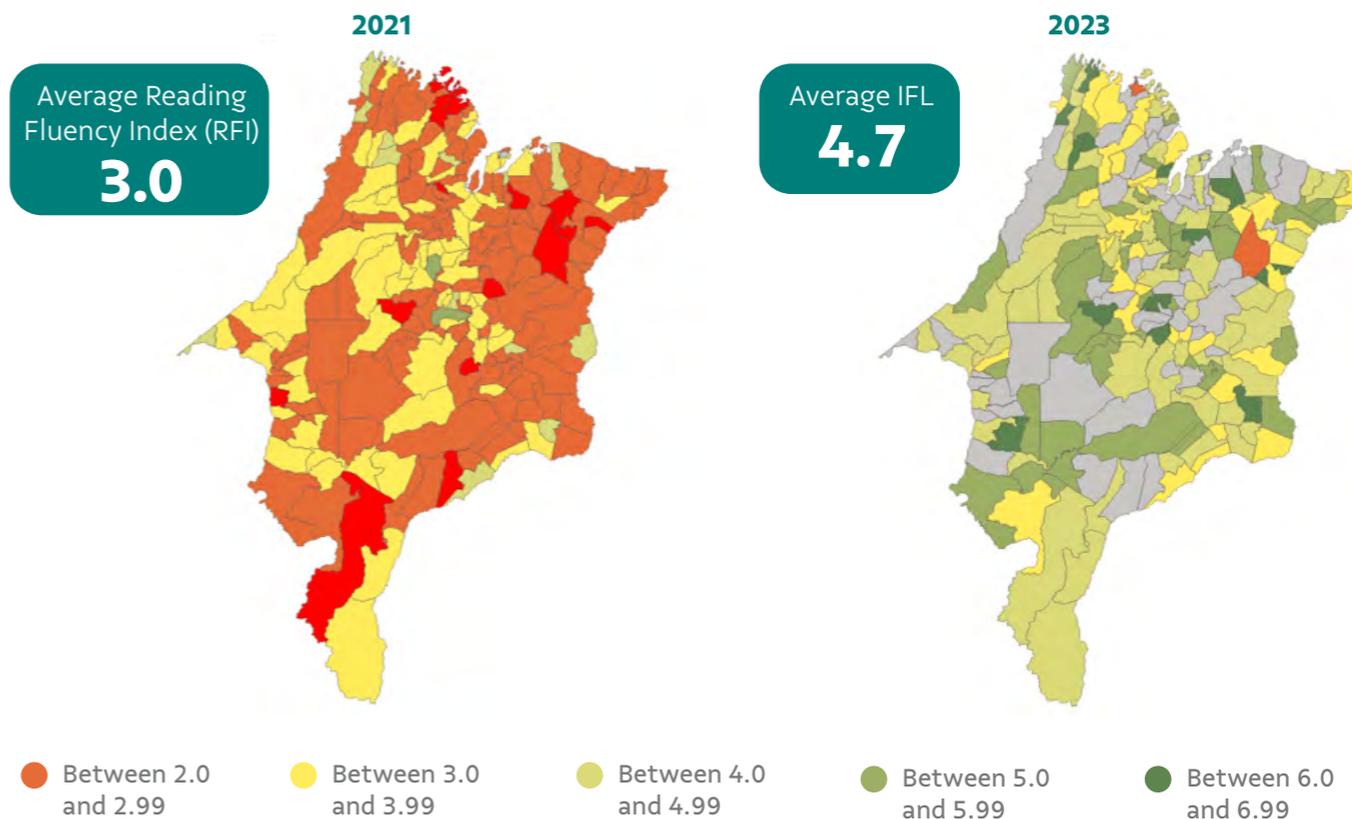
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Evaluation of reading fluency: impact evaluation 2021 and 2023



The increase in reading fluency results throughout the state of Maranhão is impressive

In 2021, 40% of children in Maranhão could not read or recognize letters (pre-readers 1 and 2). In 2023, this percentage had dropped to 22% of students (a reduction of 18 p.p.).

In 2021, 22% of children in Maranhão were considered to be readers (fluent or beginner readers). Today, this figure stands at 53% (an increase of 31 p.p.).



Healthcare

Previne Brasil is the Ministry of Health's funding program for the distribution of Primary Health Care (PHC) funds to the 5,568 municipalities of Brazil. The program is made up of three components:

- Performance of seven indicators making up the Final Summary Indicator (ISF);
- Increase in public registration at UBS;
- Adhesion of strategic programs.

The advances made with the implementation of the Social Protection Health Cycle in 13 municipalities have allowed us to quantitatively monitor the improvement in performance (evolution) of the basic care provided in the municipalities supported by the CSPS.

In the table below, we can track the advances of the Final Summary Indicator average in the 13 monitored municipalities:

Municipality	ISF average 2022	ISF average 2023
Bom Jesus do Tocantins (PA)	7.0	8.5
Canaã dos Carajás (PA)	8.1	9.2
Curionópolis (PA)	4.3	8.2
Eldorado do Carajás (PA)	5.2	8.2
Marabá (PA)	6.8	7.8
Ourilândia do Norte (PA)	6.9	9.0
Parauapebas (PA)	6.5	7.3
Tucumã (PA)	6.9	8.7
Cariacica (ES)	5.6	6.0
Itabira (MG)	5.3	7.2
Itaguaí (RJ)	5.1	6.1
Mangaratiba (RJ)	3.6	5.2
Serra (ES)	7.2	7.7

100%
of the municipalities supported by the CSPS had evolved in the Final Summary Indicator at the end of 2023, in relation to 2022

155,820
people in vulnerable situations in the municipalities supported by the CSPS began accessing Basic Care in 2023

100% of the municipalities supported by the CSPS demonstrated an increase in the number of Collective Activities performed when compared to the period prior to the implementation of the CSPS (2021/2023)



Awards

- **ABRH-PA's 'Being Human' Award**
Inova Up
- **ABRH-MA's 'Being Human' Award**
'Indigenous Healthcare Cycle' and 'Literary Routes
and Networks'
- **United Earth Amazonia Awards**
Women of Maranhão Network



Participation in events

- **GIFE Congress**
- **ESG Racial Business
Conference**
- **BNDES - Health and
Sovereignty Seminar**
- **Vale Amazonia Festival**
- **Alacero Summit 2023**
- **Unicef - Pact for the
productive inclusion of
youth**



Pâmella De-Cnop
Executive Director of the
Vale Foundation at the
Alacero Summit 2023



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Governance

The Vale Foundation is a private-law, non-profit institution. Its principal funding associate is Vale, which approves the strategy and decisions in accordance with the Foundation's bylaws. Funds are also provided by other institutions and companies in the form of donations that allow it to expand its operations.

The institution is regulated by bylaws, a Code of Ethics, and regulations issued by the organs responsible for the administration, in line with currently applicable legislation. The Board of Trustees and the Supervisory Board are responsible for the management and supervision of the activities. The institution submits annual reports to the Rio de Janeiro Public Prosecutor's Office, in compliance with Resolution nº 68, dated 1979.

Vale is the Vale Foundation's principal funding associate, but it also receives donations from other companies and institutions

Board of Trustees

This is the decision-making board. It determines the objectives, guidelines and operational policies.

Chairwoman:
Maria Luiza Paiva

Effective Board Members:
Marcelo Klein
Antônio Padovezi
Carlos Mello Junior
Samanta Pillar

Alternates:
Camila Lott
Bruno Ferraz
Marcelo Barros
Luiz Santiago
Octavio Bulcão

Supervisory Board

This board is responsible for the economic-financial management of the organization.

Chairman:
Benjamin Moro

Effective Board Members:
Bruno Manso
Gabriela Kappel

Alternates:
Ricardo Pedrosa
Lino Marques Barbosa
Vera Lucia Schneider

Executive Board

This board is responsible for the management and execution of the Foundation's day-to-day business:

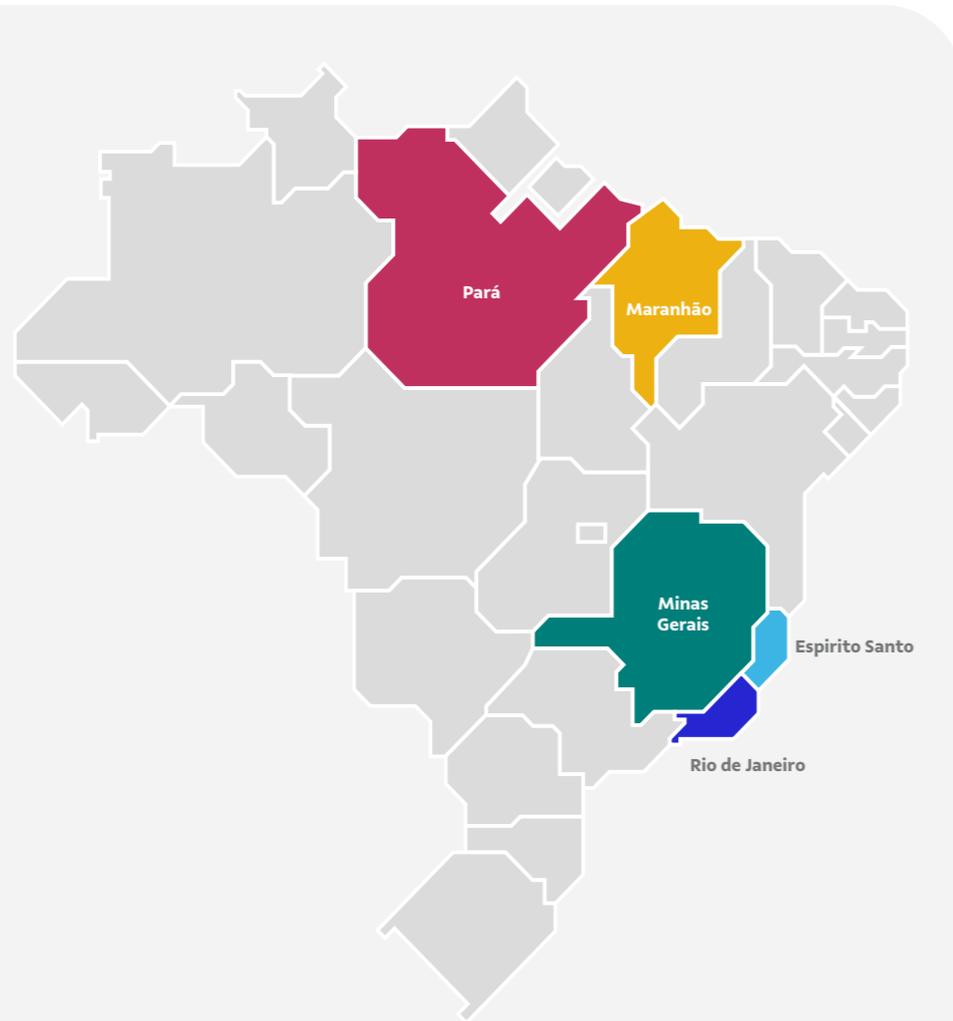
Chairwoman:
Flavia Constant

Executive Director:
Pâmella De-Cnop



Initiatives

Total municipalities: 50



Pará

8 municipalities

Social Protection Health Cycle

Bom Jesus do Tocantins, Canaã dos Carajás, Curionópolis, Eldorado dos Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã

Networked Territories

Bom Jesus do Tocantins, Canaã dos Carajás, Eldorado dos Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã

Marabá Knowledge Station
Tucumã Knowledge Station

Literacy Trails.

Bom Jesus do Tocantins, Canaã dos Carajás, Curionópolis, Eldorado do Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã

Combating extreme poverty

Marabá citizenship networks
Canaã Family Circles

Other initiatives

Inova Up (Canaã dos Carajás, Marabá and Parauapebas)

Maranhão

24 municipalities

Literacy Trails

Açailândia, Alto Alegre do Pindaré, Anajatuba, Arari, Bacabeira, Bom Jardim, Bom Jesus das Selvas, Buriticupu, Cidelândia, Igarapé do Meio, Itapecuru Mirim, Itinga do Maranhão, Miranda do Norte, Monção, Pindaré-Mirim, Santa Inês, Santa Luzia, Santa Rita, São Francisco do Brejão, São Luís, São Pedro da Água Branca, Tufilândia, Vila Nova dos Martírios and Vitória do Mearim

Arari Knowledge Station

Combating extreme poverty

Babassu coconut crushers, Arari Knowledge Station (KS)

Rural Development Center

Agir Program (Açailândia)

Food Security Program (Arari, Bacabeira, Itapecuru Mirim, Santa Rita and Vitória do Mearim)

Water Access Program (Vitória do Mearim)

Women of Maranhão Network

Literary Routes and Networks (Açailândia and São Luiz)

Minas Gerais

13 municipalities

Social Protection Health Cycle

Itabira

Networked Territories

Aimorés, Conselheiro Pena, Governador Valadares, Resplendor and Tumiritinga

Brumadinho Knowledge Station

Other initiatives

Health Cycle (Governador Valadares)

Doing Science (Itabira)

Food and Nutritional Safety (Catas Altas, Rio Piracicaba, Santa Bárbara and São Gonçalo do Rio Abaixo)

Future Makers (Governador Valadares)

Literary Routes and Networks (Ouro Preto)

Rio de Janeiro

2 municipalities

Social Protection Health Cycle

Itaguaí and Mangaratiba

Networked Territories

Itaguaí and Mangaratiba

Literacy Trails

Itaguaí and Mangaratiba

Espírito Santo

3 municipalities

Social Protection Health Cycle

Cariacica and Serra

Networked Territories

Cariacica and Serra

Literacy Trails

Cariacica and Serra

Other initiatives

Health Cycle (Colatina)

Serra Knowledge Station



Partnership network

2023 was notable for an intensification of the search for partnerships to maintain, renew and expand the Vale Foundation’s activities, considering the extent of Vale’s operations in Brazil.

Implementing large-scale projects, but without losing the personal touch or the connection with the specific needs of each region is a challenge, and all the partners play a fundamental role. The network of institutional partners and project developers allow the Foundation’s actions to gain in scale and capillarity in the municipalities, providing more contact with the direct beneficiaries, greater powers to listen to the public, and a better ability to respond to the demands of each project in each region.

The Vale Foundation’s Education and Healthcare Program involves partnerships with governments, municipal councils and departments of education, health and social welfare, as well as project developer partners in the form of the ‘Cidade-Escola Aprendiz’ Association, the ‘Roda Educativa’ Educational Community (Cedac), the Healthcare Promotion Center (Cedaps), and the Getulio Vargas Foundation (FGV).

The network of partnerships focused on other areas, especially the generation of income, includes the Amazon Center for Entrepreneurship, Embrapa, the Impact Hub, the ‘Meio’ Institute, the ‘Sisar’ Institute, and the Mandu Inovação Social organization.

The investor partners are valuable allies in the development of the regions. Together, it is possible to optimize the social investment and share expert knowledge, creating an environment that is supportive of discussion and enriching the positive impact chain. 2023 was also the year in which the Foundation strengthened its ties with the Vale value chain as well as with other benchmark institutions in the country, such as the BNDES.

Partners in the value chain

Amongst the companies in the mining chain, Wheaton Precious Metals is one of the Vale Foundation’s longest-standing partners. We can add to this company others which help make possible all the projects that have such a positive impact on people’s lives, including CXHI, DHHI, GHT, Komatsu, Keda, Posco, Sotreq and U&M.





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The Vale Foundation’s Education and Healthcare Program is made up of three projects – Social Protection Health Cycle, Literacy Trails, and Networked Territories – and is executed in partnership with municipal governments and the relevant municipal departments. The program aims to promote the connections between the healthcare, education and social welfare sectors as a strategy for improving the public services offered to the communities and ensuring basic human rights such as access to education, healthcare and available social programs.

Education

The education projects are principally guided by the United Nations’ SDG 4: ensure an inclusive, equal and quality education, and promote lifelong learning opportunities for all. The work in this field focuses on improving children’s literacy levels and combating the inability to attend school.

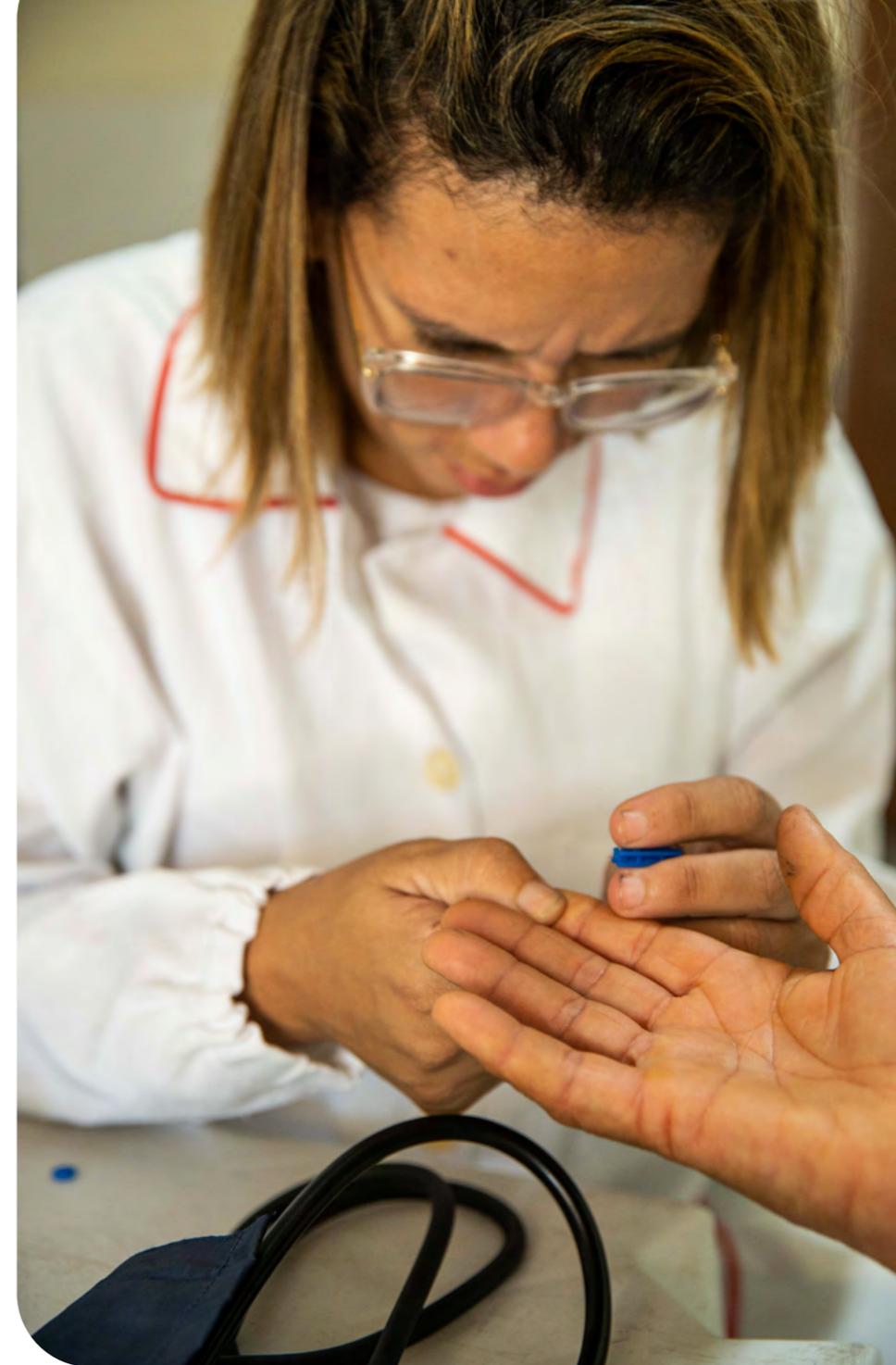
As the funding associate of the Knowledge Stations, the Vale Foundation undertakes integral educational actions that expand extra-curricular cultural, sporting and educational activities. In the area of advocacy in public policies, the Foundation works by means of partnerships with organizations which are widely recognized as specialists in the issues involved, such as *Todos pela Educação*, FGV, Unicef, and others.

Healthcare

The work involving healthcare is guided by the United Nations’ SDG 3: ensure a healthy life and promote wellbeing for everyone at all ages. The main objective is to strengthen basic or primary care in health and social welfare, which is referred to as the “entry way” for users into the SUS (National Health Service) and SUAS (Social Welfare System).

The Social Protection Health Cycle conducts healthcare promotion actions in partnership with the health and social welfare departments via technical cooperation and the equipping of the health centers used by the public.

The Education and Healthcare Program is undertaken in partnership with the municipal governments





Education and healthcare gain scale in the North of the country

With investments from Wheaton Precious Metals and the BNDES, via the Socio-environmental Fund, it was possible to implement the Literacy Trails project in eight municipalities in the southeast of Pará. The same partners enabled the implementation of the Social Protection Health Cycle in 24 municipalities in Maranhão, whilst also consolidating its presence in eight municipalities in Pará, through the '*Juntos pela Saúde*' Fund, a BNDES initiative managed by the Institute for the Development of Social Investment (IDIS), in partnership with Wheaton Precious Metals.





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Social Protection Health Cycle

The project aims to contribute to the strengthening of the SUS public health service, together with the SUAS social welfare services, and, in turn, promote individual and collective healthcare and access to services for more vulnerable families.

Organization of the actions is based upon the accumulated experience of the Health Cycle, which has been developed in more than 40 Brazilian municipalities since 2014, with an emphasis on active and participative methodologies. The main objectives of the initiative are to develop skills and permanent education for administrators and professionals; promote a culture of inter-sectoral cooperation; expand the operations of basic healthcare and social welfare; and improve social and healthcare indicators (Previne Brasil).

The Program promotes individual and collective healthcare







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The project follows the principles and guidelines of the SUS and SUAS and considers the characteristics and specific features of the different regions in the planning and development of actions. Another important principle involves equity, or in other words, the fair and equal distribution of opportunities, considering the specific characteristics of the individuals and the groups – with special attention paid to the most vulnerable, thus contributing to the reduction of social inequalities.

Each project implemented in a municipality lasts an average of 39 months, during which time the actions aim to create the sustainability to develop the skills and autonomy of the local public authorities for improvement of the healthcare policy.

In 2023, the Social Protection Health Cycle was operating in 13 municipalities and, at the end of the year, also came to include 24 municipalities in Maranhão located along the Carajás Railroad, all of which are members of the Multi-modal Inter-municipal Consortium (CIM) – an institutional partner on the project. With the inclusion of this project, in 2024, the initiative now operates in 37 municipalities in the states of Maranhão, Pará, Rio de Janeiro, Espírito Santo and Minas Gerais.

The Health Cycle supported a total of 336 UBS, trained 4,700 professionals and established relations with 60 CRAS over the course of the year. It is expected that around 1.8 million SUS and SUAS patients will benefit from the initiative.



Pará

Bom Jesus do Tocantins,
Canaã dos Carajás,
Curionópolis, Eldorado
dos Carajás, Marabá,
Ourilândia do Norte,
Parauapebas and Tucumã

- 111 UBS supported
- 21 CRAS supported
- 1,773 professionals trained
- 1,445 items donated
- 593 million SUS and SUAS patients benefited

Espírito Santo

Cariacica and Serra

- 69 UBS supported
- 19 CRAS supported
- 902 professionals trained
- 2,096 items donated
- 607 million SUS and SUAS patients benefited

Rio de Janeiro

Itaguaí and Mangaratiba

- 39 UBS supported
- 15 CRAS supported
- 573 professionals trained
- 1,352 items donated
- 97 million SUS and SUAS patients benefited

Minas Gerais

Itabira

- 24 UBS supported
- 5 CRAS supported
- 605 professionals trained
- 659 items donated
- 111 million SUS and SUAS patients benefited



Event celebrates partnerships enabling project in Maranhão

On September 19, in Alto Alegre do Pindaré, in Maranhão, a ceremony was held to celebrate the partnership with the Multi-modal Inter-municipal Consortium, for implementation of the Social Protection Health Cycle project in 24 municipalities located alongside the Carajás Railroad. The event welcomed representatives

from Vale, the Vale Foundation, CIM and the local government. The expansion into Maranhão, as well as the implementation of the project in eight municipalities in Pará, was made possible by the partnership with Wheaton Precious Metals and BNDES, through the '*Juntos pela Saúde*' fund.



Integration with the Vale Volunteer Network

The Social Protection Health Cycle hosted the "Training in Healthcare Trail" meeting in partnership with the Vale Volunteer Network. The objective was to develop a broader understanding of the public healthcare and social welfare networks, and reflect upon the opportunities for volunteering in local actions aimed at preventing problems and promoting health. On October 26, the team from the Healthcare Promotion Center (Cedaps) and the Vale Foundation provided support materials for volunteers wishing to plan social mobilization actions aimed at promoting community health using the National Healthcare Calendar as a starting point. The materials that were made available address issues such as mental health, high blood pressure, child obesity, breast cancer and prostate cancer, amongst others. They can be accessed [here](#).





Literacy Trails

Literacy is a basic right, a crucial stage in human development and an extremely important means for social inclusion. It is from a reading of the world that new ideas appear, different perspectives develop and entire communities can be transformed. If a child is not literate at the beginning of their schooling, all their learning over the following years, in different areas of knowledge, is undermined. This can also result in children falling behind the ideal grade for their age, a loss of interest and dropping out of school, thereby reinforcing inequalities and having an effect on the economy and social development of the municipalities.

The Literacy Trails Program seeks to contribute to the full literacy of children at public schools in the municipalities where Vale operates. The concept of literacy adopted by the project is based upon the perspective of word and number skills. As such, it believes that literacy involves learning the Alphabetic Writing System (AWS), as well as the development of reading, writing and oral skills, along with the use of other skills acquired in different social and cultural situations.



**Literacy is a crucial step
in human development**




**Elementary
Education**





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In Maranhão, the Vale Foundation's initiative is implemented in partnership with 24 municipalities neighboring the Carajás Railroad, the CIM, the Maranhão State Government and the Getulio Vargas Foundation (FGV). Three years after the project began, it was renewed and expanded to also include the 4th and 5th grades of elementary school.

In Pará, eight municipalities in which Vale has operations are partners in the Literacy Trails. Bom Jesus do Tocantins, Canaã dos Carajás, Curionópolis, Eldorado do Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã. The project in the state also involves investments from Wheaton Precious Metals and the BNDES, through the Socio-environmental Fund. In Rio de Janeiro, it is conducted in partnership with the municipal governments of Itaguaí and Mangaratiba and was implemented by the 'Roda Educativa' organization.

The program includes actions that involve the families and encourage a culture of monitoring and evaluation of the children's learning. Social activities are also encouraged, which involve the collective production of knowledge amongst the students, thus creating opportunities for individual talents to be recognized and the production of specific educational materials for the different regions, aimed at awakening the children's interest by getting closer to their view of the world.



Additional materials

The project's handbooks and games, in all the regions, were one of the highlights in 2023. On May 30, the mayors and representatives of the education departments of the 24 municipalities were presented with games that include aspects of the culture and animals of the Amazon at the Federal University of Maranhão (UFMA). A bingo game aimed at identifying syllables and sounds, and a deck of cards that teaches multiplication are two of the ten educational games that were introduced into the classrooms to make the literacy process more fun.

On September 15, handbooks containing themes focusing on the culture and nature of Pará were launched in the state. In Itaguaí and Mangaratiba, games involving cards, numbers and sea animals found off the Rio coast were also included in the projects implemented in the state's municipal schools, as well as activity notebooks for the students and teachers.





Celebration with the school communities in Maranhão

In December, around 3,000 teachers, school administrators and municipal leaders took part in events to celebrate the Literacy Trails in Itapecuru-Mirim, Santa Inês and Açailândia. These were social gatherings in celebration of all that has been experienced since 2020, as well as an opportunity to recognize the importance of the engagement of all the teachers and school communities involved. The events also highlighted the continuity and expansion of the project, which will continue for another two grades, also including the 4th and 5th grades, meaning it now covers all the Elementary School I grades.





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Pará

Bom Jesus do Tocantins,
Canaã dos Carajás,
Curionópolis, Eldorado
dos Carajás, Marabá,
Ourilândia do Norte,
Parauapebas and Tucumã

- **270** schools supported
- **1,043** professionals trained
- **60,000** additional materials donated
- **36,800** students benefited

Maranhão

Açailândia, Alto Alegre do
Pindaré, Anajatuba, Arari,
Bacabeira, Bom Jardim,
Bom Jesus das Selvas,
Buriticupu, Cidelândia,
Igarapé do Meio, Itapecuru
Mirim, Itinga do Maranhão,
Miranda do Norte, Monção,
Pindaré-Mirim, Santa Inês,
Santa Luzia, Santa Rita,
São Francisco do Brejão,
São Luís, São Pedro da
Água Branca, Tufilândia,
Vila Nova dos Martírios and
Vitória do Mearim

- **1,168** schools supported
- **2,066** professionals trained
- **26,400** additional materials donated
- **67,200** students benefited

Rio de Janeiro

Itaguaí and Mangaratiba

- **62** schools supported
- **382** professionals trained
- **2,281** additional materials donated
- **11,700** students benefited

Espírito Santo

Cariacica and Serra

- **145** schools supported
- **412** professionals trained
- **53,200** students benefited



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Networked Territories

The Networked Territories project was created in 2020 to actively seek out children and young people and to operate in the regions in guaranteeing the right to education. In 2023, in partnership with the Cidade Escola Aprendiz organization and the departments of education, the program benefited 6,264 students in the 16 municipalities where it is being implemented. By connecting the governmental and non-governmental sectors, the initiative encourages the development of public policies and actions in municipalities in the state of Rio de Janeiro, Minas Gerais, Espírito Santo and Pará.

The project involves actions that actively look for children not attending school and aim to bring different sectors together in the municipalities where the Education and Healthcare Program is operating. It is also a partner in the formation and activation of inter-sectoral committees, which bring together the social fields in the search for solutions to help those families that most need them.

The work spent on actively bringing children aged between 4 and 17 into school begins with teams in the field that are prepared, for

example, to make home visits and observe the living conditions of families in socially vulnerable situations. By identifying their needs in the areas of healthcare, education and social welfare, it becomes possible to present solutions that can minimize the factors that lead to children not attending school and subsequently allow them to return and complete their education.

The first towns to implement the Networked Territories project were Marabá, in Pará, and Serra, in Espírito Santo. In addition to these, another 14 towns are involved in the project: Bom Jesus do Tocantins, Canaã dos Carajás, Eldorado do Carajás, Ourilândia do Norte, Parauapebas and Tucumã (PA), Tumiritinga, Governador Valadares, Conselheiro Pena, Resplendor and Aimorés (MG), Mangaratiba and Itaguaí (RJ) and Cariacica (ES).



6,264

students benefited from
the Networked Territories
project in 2023





Active search

Inter-sectoral connections

Representatives from the departments of education, health and social welfare

- Promotion of inter-sectoral committees and action plans designed to guarantee rights.

Partnerships with Municipal Education Departments



Active search

Contracted articulators and public officials

- Mobilization and communication;
- Registry of cases of children not attending school;
- Contact with families;
- Enrollment of children.



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Pioneering municipalities successfully conclude the project

Just when the Networked Territories pilot project reached the municipalities of Marabá (PA) and Serra (ES), the world was forced into a challenging socioeconomic situation: the Covid-19 pandemic. Even so, over the course of the three years since, around 5,600 children and young people aged between 4 and 17 who did not attend school or were at risk of dropping out returned to the classroom with the help of the project. In December, the “Paths to the Right to Education” seminars marked the conclusion of the experience in the municipalities, and celebrated important achievements, such as decree nº 410, dated November 22, 2023, which instituted the public policy designed to tackle non-attendance in the municipality of Marabá, and the process to officially establish the Inter-sectoral Management Committee in Serra.





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Stories of lives affected by the collective work

The work performed collectively by the Vale Foundation, the Cidade Escola Aprendiz organization and the public authorities in the different municipalities in which the project operates has been made into a series of videos that can be watched on the project's YouTube channel. The [channel](#) also shows videos used to mobilize the public and raise awareness about the problems faced by the communities.



Community mobilization

Developing actions designed to communicate with the communities is an important element of social mobilization, focused on expanding the visibility of the project and encouraging the different players to work on behalf of tackling this situation of children not being able to attend school. The communication also supports the active search actions aimed at increasing the identification of

children and young people who are not attending school. It also contributes to informing the families and partners of the system that guarantees social rights and full protection for children and adolescents. The action uses community radio stations, pamphlets, loudspeakers on cars, and WhatsApp groups to engage the communities concerning the importance of the right to education.



Espírito Santo

Cariacica and Serra

- **1,428** students not attending school or at risk of dropping out were mapped
- **1,117** students reintroduced into the education system

Rio de Janeiro

Itaguaí and Mangaratiba

- **1,073** students not attending school or at risk of dropping out were mapped
- **998** students reintroduced into the education system

Pará

Bom Jesus do Tocantins, Canaã dos Carajás, Eldorado dos Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã

- **2,798** students not attending school or at risk of dropping out were mapped
- **2,862** students reintroduced into the education system

Minas Gerais

Aimorés, Conselheiro Pena, Governador Valadares, Resplendor and Tumiritinga

- **1,112** students not attending school or at risk of dropping out were mapped
- **1,287** students reintroduced into the education system



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Knowledge Stations



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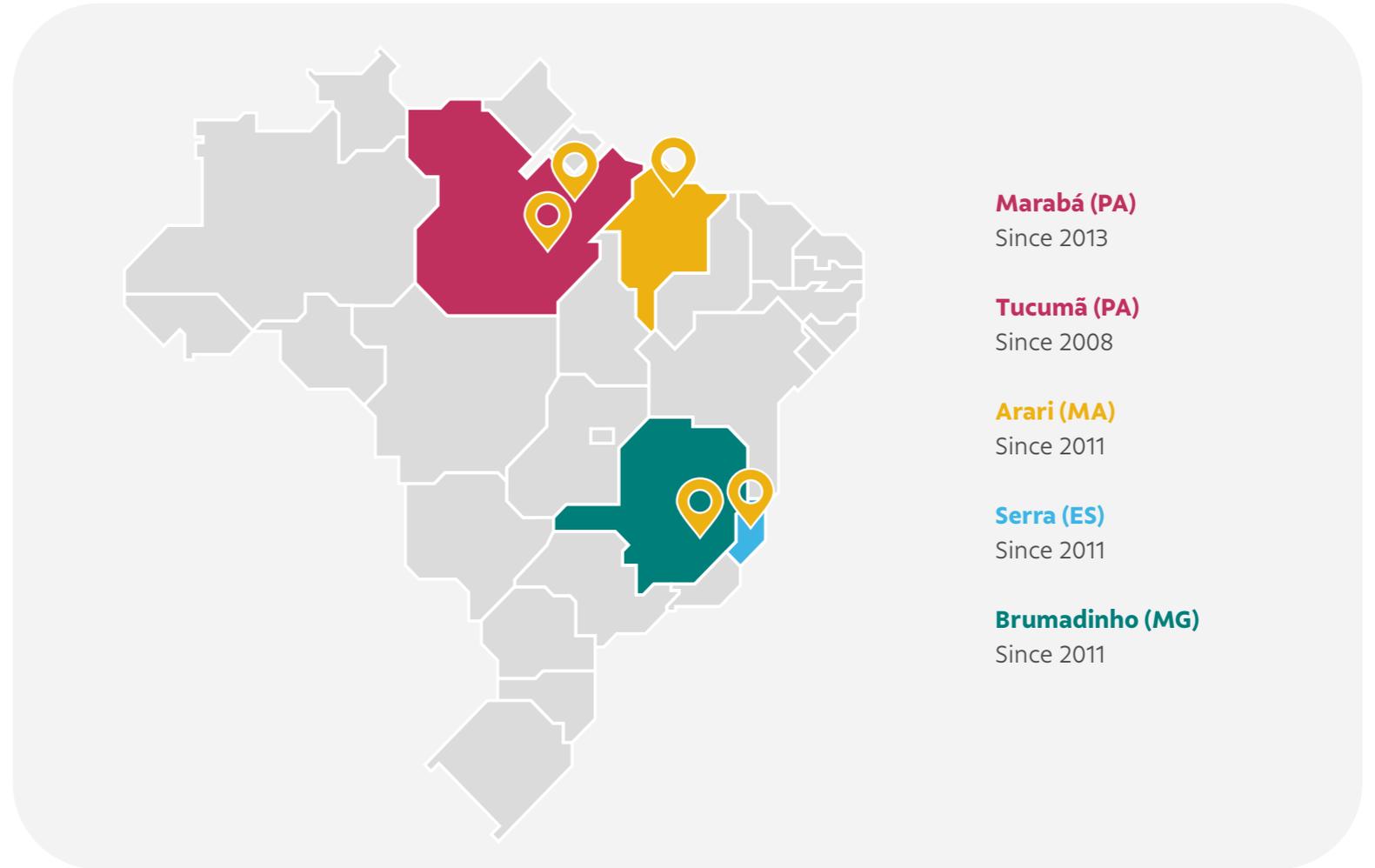
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The Knowledge Stations are spaces that are focused on offering extra-curricular educational, cultural and sporting activities to children and adolescents aged 6 to 17. Their political-pedagogical projects and programs are designed to contribute to the comprehensive development of the participants, encouraging creativity and innovation, strengthening the partnerships between public entities and civil society, and appreciating the characteristics of each region. The Stations also offer services and activities to the surrounding communities, including initiatives for young people, adults and the elderly.

Amongst the activities offered are classes on things such as languages, digital media, music, dance and the Brazilian martial art '*capoeira*', as well as football, athletics and swimming. Reading and audiovisual rooms and collections are also made available at all the stations, and those located in Pará and Maranhão are also able to offer medical and dental treatment thanks to the partnership with Wheaton Precious Metals.

The KCs are independent institutions, maintained mostly by funds directly provided by the Vale Foundation, tax-deducted funds from Vale, and funds provided by partner companies. The tax-deducted funds come from the Childhood and Adolescence Fund (Municipal Council for Defense of Children and Adolescents) and the Sports Incentive Law (Special Sports Department). The Vale Foundation currently operates five



Marabá (PA)
Since 2013

Tucumã (PA)
Since 2008

Arari (MA)
Since 2011

Serra (ES)
Since 2011

Brumadinho (MG)
Since 2011

Knowledge Stations, located in the municipalities of Arari (MA), Brumadinho (MG), Serra (ES), Marabá and Tucumã (PA).

In 2023, the KCs provided more than 10,000 medical and dentists appointments and 8,483 people enjoyed the more than 150 activities

offered. The community vocational and college entrance courses were a highlight of the education area and, in the social area, special mention should be made of the Arari KS, which began implementing concept testing as part of the fight against extreme poverty.



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Literature and music

The Serra Knowledge Station, which involves the Serra municipal social welfare network, in Espírito Santo, currently provides direct services to 1,406 people. In 2023, the center celebrated its 12th year of activities and, as part of the anniversary celebrations, held the first edition of its Literary Festival.

Offering free entry, the event took place in September, taking as its theme: “Knowledge Trails: The journey of reading and writing: from caves to the digital world”. The Fair included workshops, theme-based round tables, book launches, storytelling, and musical, poetry and urban dance presentations which took place in four spaces within the Station.

2023 was also notable for a number of cultural activities: The Vale Music Project (which continued to be held at the Brumadinho KS and welcomed 96 participants in 2023), provided opportunities to access all aspects of music,

information on how to work in the field, and social inclusion through music teaching. At the Serra KS, it welcomed 380 children and young people aged between 10 and 22.

As well as classes, the participants had the opportunity to watch educational concerts; compete for places in the Vale Youth Music Choir and other groups linked to the project; and participate in residence projects, such as that offered by musicians from the Brazilian Symphony Orchestra (OSB) to improve musicianship, concert performance skills and interpretation of musical styles.

Another highlight at the Serra KS was the closing event of the II Culture and Region Cycle, part of the Scientific and Technological Education area. At the event, pupils from the Youth Journalism group launched the short film entitled “Misadventures in Serra” and the second edition of the “*Tá Mec*” magazine.



The Vale Music project
welcomed 380 children and
young people to the Serra KS.



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Investment in vocational training

The Arari and Marabá Knowledge Stations expanded their actions in the area of education by providing college entrance and vocational courses to the community. Aimed at helping students from low-income families in the municipality to get into higher education, the college entrance courses offered free classes designed to reinforce the students' school classes, and support in the structuring of the participants' life projects, guiding them in areas such as leadership, inclusion and regional development.

Marabá Knowledge Station

In Marabá, the initiative entitled Educa KS entered its second year in partnership with the Vale Foundation, Vale and the Posco company. As well as the class conducted at the Station itself, intensive classes were provided at another three centers in the municipality, with the result that 66 students managed to pass the Enem national high school exam.

The KS also offered the 'S System', providing education in the form of 12 courses for 427

people (213 adolescents accompanied by the KS and 134 places offered to the community). Of this total, 36 participants found jobs and 19 managed to improve their vehicle driver skills with more categories being included on their licenses.

Another important initiative within the sphere of vocational training in Marabá came in the form of the young learner program offered at the CIEE (Company-School Integration Center). In search of new opportunities for socioeconomic development in São Félix, the KS got together with the crew working on the expansion of the bridge over the Tocantins River to provide job opportunities for 16 young people aged between 14 and 22 who are currently in high school or who have graduated. The initiative forms part of Vale's social strategy ambitions in the combating of extreme poverty.

In December 2023, the Marabá Station hosted the IV Teachers' Fair, an event that involved the participation of universities, providing students with an enriching experience and guidance on their future career choices.

The Arari and Marabá KSs expanded their offer of college entrance and vocational courses in 2023





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Arari Knowledge Station

The results of the *'Vestibulando'*, the community college entrance exam course offered by the Arari KS, were exceptional, with 42 of the participating students obtaining scores of above 700 in the Enem national high school exam's free writing module. As part of the *'Life Project'* pillar, the Station offered what was called a *'Rolezinho'*, which took young people aged 17 or around to different institutions and companies to gain practical work experience, thus allowing them to improve their curricula and ability to make informed decisions on their career choices.

Continuing with the target of providing families and young people with opportunities to develop their potential through professional qualification, the KS formed a partnership with the S System to provide three courses with places for 68 participants.

Tucumã Knowledge Station

The Tucumã Knowledge Station, in Pará, meanwhile, which attends to more than 750 children and adolescents, hosted its 1st Job Fair in October. With the participation of 12 higher education, technical and vocational institutions from the region, the event was open to the public, offering information to students about courses, the job market, salaries and skills in different areas.



Serra Knowledge Station

At the Serra KS, the vocational initiatives received support from the Muda Cultural consultancy, with endorsement from the Boticário Group, which enabled the staging of the *'Maquie&Crie'* course. Over the course of two months, young people received training on entrepreneurship related to working with artistic makeup and costume design. Another activity offered was the *'Future Entrepreneurs'* course, focused on personal development and the qualification of adolescents and young people aged 14 to 17, with

the possibility of developing actions that could have an impact on their regions.

In March 2024, as part of the *'Tá Ligado!'* project, the KS began an Enem high school examination preparatory course. With 80 places available for young people aged 14 to 17, the classes represent yet another initiative that established the institution as an educational center founded on good practices, capable of bringing about transformation based upon the raising of awareness and changes in attitude.



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Sport and inclusion

The sports activities of the Knowledge Stations are inclusive and seek to recognize and value organization, cooperation, respect and social integration. Always forming part of other actions developed by the KS, sport allows children and young people to experience sports competitions. In the case of disabled participants, the benefits include the improvement of cardiovascular capacity, stronger muscles and better mental health, as well as stronger relations in the area of social interaction, breaking down barriers and promoting integration and acceptance amongst different communities.

Serra Knowledge Station: competitions around the country

The sports activities of KS Serra involve 661 children and adolescents who practice athletics (110), football (160), judo (150), swimming (141) and sports initiation. In 2023, the students participated in, and took home medals from, numerous events around Brazil, including the Brazilian Schools Games, in Brasília (DF); the Schools Regional Paralympic Games, in São Paulo (SP); and the Youth Games, in Pirassununga (SP).

The participation in competitions is in line with the KSs' aim to provide education in citizenship, social development and boosts for life projects. By achieving good results in these and other tournaments, the young people also make a name for themselves in overcoming challenges at home, at school and in the community.



The pupils from the Serra KS participated in **various sports competitions in 2023**



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Rural Development Center (NDR)

The Arari Knowledge Station has a Rural Development Center (NDR), which is a center of excellence in social technologies focused on family farming and agro-ecology in the neighboring communities. The NDR can count upon technical cooperation from Embrapa, as well as partnerships with local organizations and the UFMA and Uema universities.

Supported by the Vale Foundation, the NDR provides technical expertise and rural extension education for farmers and their families. By improving management and practical techniques in the farming process, it is possible to provide firmer foundations for food security and generate income for the families involved.

In 2023, the NDR's Organic Compliance Certificate was renewed by 'Agricontrol – OIA Brasil Certificações', an organization recognized for its expertise in the organic sector. It also

received the Green Seal, issued by the Municipal Environmental Department, in recognition of its commitment to environmental preservation and the implementation of sustainable practices.

The space monitors and promotes actions ranging from support for production to the generation of income through the sale of products, as well as distribution and consumption of healthy products such as honey, fresh fruit and vegetables, and fish.

The NDR is a center of excellence in technologies focused on **family farming**.





Highlights of the Rural Development Center in 2023

- Hosting of the Natural Products Fair, involving farmers, nutrition workshops, and cultural and regional music presentations.
- The result of a partnership between the NDR and researchers from Uema, the “Beekeeping: environmental education education and generation of a sustainable income” project supported the redevelopment of the business in the region, highlighting the economic and ecological potential of native bees.
- The NDS welcomed 46 students onto the Technical Professional Education in Agriculture course at the IFMA Campus in Viana. The field day provided the opportunity for an exchange of information between the students and specialists from the Center;
- The visit by 32 students from the ‘Educa Mais Cidade Center’ in Arari, accompanied by their teachers from the “Hands-on, Recycle and Create” multi-subject course, involved a practical class focused on the rural technologies in place at the NDR;
- Teachers and 40 students from the Agronomics course at the São Luis campus of the State University of Maranhão, visited the NDR to see and discuss more than 50 forms of rural technology and permaculture practices;
- The Center hosted the culmination of the Biodiversity and Preservation of Areas of Permanent Conservation project, with students from the Education for Young People and Adults project run by the Municipal Education Department of Vitória do Mearim.





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Combating extreme poverty



The Vale Foundation, with its extensive experience in strengthening public policies, established a partnership with Vale in the company's commitment to support the movement of 500,000 people out of situations of extreme poverty by 2030.

In 2023, the practical implementation of the methodology for multidimensional family monitoring began, involving 30,000 people, mostly in Pará and Maranhão. With important activities in the areas of healthcare and education, the Vale Foundation leads the implementation of a number of initiatives that use the methodology, taking advantage of previous experiences in projects that already had a connection with the most vulnerable communities and families.

Here we present some information about the concept testing implemented by the Vale Foundation:

Coconut Crushers Project

State: Maranhão

Implementation of the Multidimensional Family Monitoring methodology with the babassu coconut crusher families, based upon the Vale Foundation's eight years of experience with the Women of Maranhão Network.

- **Number of people:** 1,620
- **Investor partners:** Vale Foundation, Wheaton, Banco do Brasil Foundation and BNDES
- **Implementation partners:** Vale Foundation and 'Mandu Inovação Social'

Citizenship Networks

State: Pará

Implementation of the methodology focused on the rights of children and adolescents in vulnerable situations. Born of experiences such as the Networked Territories and Education Territories projects in the municipality of Marabá.

- **Number of people:** 3,900
- **Investor partners:** Wheaton Precious Metals, Childhood and Adolescence Fund
- **Implementation partners:** Marabá Knowledge Station and Cidade Escola Aprendiz

Family Circle

State: Pará

Partnership with the Canaã dos Carajás municipal government for implementation of methodology at the CRAS Center (model Social Assistance Reference unit). Its development was based upon the Social Protection Health Cycle project.

- **Number of people:** 3,000
- **Investor partners:** Banco do Brasil Foundation
- **Implementation partners:** Cedaps and the Municipal Social Welfare Departments



Knowledge Stations

The Knowledge Stations, equipped with vast experience in providing services to families, also perform concept testing using the Multidimensional Family Monitoring methodology.

Arari

220
families

900
people

Status:
In progress



Marabá

250
families

900
people

Status:
In progress



Tucumã

230
families

828
people

Status:
Contracted



Serra

250
families

900
people

Status:
Contracted



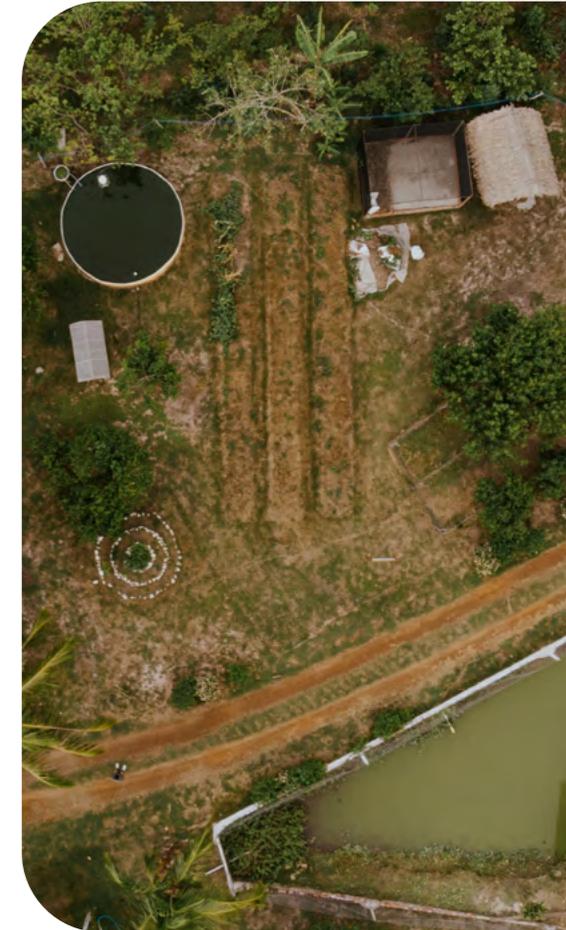
Total Ks:

950
families

3,528
people

Opportunities

- Knowledge of the region
- Network activities
- Frequent contact with the families involved
- Synergy and sharing of good practices





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Agir Program

Açailândia (MA)

The Support for Generation and Increase of Income Program (Agir) began in the town of Açailândia in 2020 and, since then, has been working on the incubation and acceleration of social business by means of trading, technical support, mentoring in financial management, governance, formalization, production and commercialization of local business. The entrepreneurs are involved in all these stages so that, at the end of the program, they and the business models can be independent, thus achieving the project's aims.

Developed in partnership with the São Paulo Impact Hub, the action benefited 136 people involved in five social businesses:

- **Polpastizal** – A factory working with the pulp of fruit typical to the region, made up of members of AFCHA, a small farmers association in Açailândia;
- **Ateliê Costurando Sonhos (Small Seamstresses Studio)** – a sewing studio made up of a group of women from Vila Ildemar who form part of AME, an association focused on providing social support for women and children in the region;

- **Pequiá Street Market** – a market organized by AFPPE – Pequiá Producer Vendors Association. This involves a group of street vendors who sell fruit, vegetables, greens, herbs and spices, handicrafts, snacks, clothing and ornamental plants, all of which is produced locally;
- **Calismel** – A project that brings together beekeepers from three regions of Açailândia Assentamento Califórnia, Francisco Romão and Pequiá;
- **Bons Samaritanos Metalworkers** – A metalworking business specializing in the production of furniture and equipment for commercial and domestic use that also works to train young metalworkers.

Health Cycle

Colatina (ES) and Governador Valadares (MG)

The Health Cycle project, from which the Social Protection Health Cycle originated, was concluded in the first semester of 2023 in Colatina (ES), with 25 'UBS' health centers being supported and 171 professionals trained. The original methodology can also be found in Governador Valadares (MG) which, in 2023, supported 45 UBS, trained 426 healthcare professionals, and donated 767 items to improve the services for an estimated 229,000 people.

Doing Science

Itabira (MG)

The proposal to offer alternative tools to provide a more creative and motivational approach to teaching science and mathematics, is the secret of the 'Doing Science' project. Implemented in municipal schools in Itabira, Minas Gerais, the project stimulates the students' interest through its content, since it uses a methodology that transforms them into protagonists of their own learning. This project developed by the Vale Foundation also involved partnerships with Roda Educativa, the municipal government of Itabira, and complementary investments from the company DHHI.

In 2023, Doing Sciences was concluded having trained 208 teachers, school managers and pedagogical coordinators in 22 schools. Almost 7,000 students from the 1st to 9th grades of the public school system benefited through access to pedagogical materials and educational content. Amongst the total of 825 materials distributed were games, exercises and other resources designed to awaken the students' interest through new knowledge.



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Water Access Program

Vitória do Mearim (MA)

The Water Access Program was an initiative of the Vale Foundation in partnership with the Sisar Institute. The project is based upon a social technology that improves access to quality water in sufficient amounts for communities without a distribution system.

It has been implemented in the community of Arraial, in Vitória do Mearim, aimed at improving the quality of the water and access to it for around 60 families. The project involved the construction of water withdrawal and treatment structures, as well as a distribution system, and involved the participation and management of members of the community.

The methodology is being used in different communities in the state of Ceará, with the aim of ensuring the operation and maintenance of the water supply and treatment system by the local community association, as well as its general management, through training and the promotion of associative and cooperative approaches.

Food Security Program

This project aims to support the structuring of sustainable, rural productive operations amongst family farmers in Minas Gerais and Maranhão. Developed in partnership with the Meio Institute and receiving complementary investments from the BNDES through the Socio-environmental Fund, it involves 406 family farmers in Minas Gerais and Maranhão. The project aims to improve access to regular, good quality food, promoting health and respect for the cultural diversity of the regions, with support for development of the so-called Local Productive Operations (APL in the Portuguese acronym).

The project operates in the municipalities of Arari, Bacabeira, Itapecuru Mirim, Santa Rita e Vitória do Mearim, in Maranhão, and Barão de Cocais, Catas Altas, Rio Piracicaba, Santa Bárbara and São Gonçalo do Rio Abaixo, in Minas Gerais.

Future Makers

Begun at the end of 2023 in Governador Valadares, the Future Makers project assists young people in socially vulnerable situations to develop socio-emotional abilities and professional skills in the area of technology. The fruit of a partnership between the Vale Foundation and Sesi/Senai, the program offers psychosocial monitoring on a daily basis, allowing for the personal development and professional training of 72 young people from different districts in the region.





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Inova Up

Inova Up, implemented in Canaã dos Carajás, Marabá and Parauapebas, in Pará, received an important recognition in 2023: the 'Being Human Award', from the Brazilian Association of Human Resources of Pará, in the ESG category. Created to promote innovation and increase work and income possibilities (essential initiatives for the social and environmental development of the municipalities), the program was concluded having provided support for 18 entrepreneurs and ten social businesses.

Some of the entrepreneurs supported presented their experiences at the Vale Amazon Festival, which took place in Belém, in September. At the event hosted by Vale, project creators representing Dinam, in Parauapebas, and Cacau Carajás and Eco Canaã, in Canaã dos Carajás, took part in a conversation circle on entrepreneurship in the Amazon region. They highlighted the importance of the support they had received from the project to be able to develop their areas of Marketing, Sales, Production, Management, Legal and Accounting. They also displayed their products at the Sustainable Fair, which was held every day of the festival.

Businesses founded and driven by Inova Up in 2023:

Parauapebas

- Kupu: production and commercialization of vegan and lactose-free ice cream;
- Dinam – Diamante Negro da Amazônia: a pioneering company in the sustainable production and processing of pepper in the region;
- Alosix: a platform for agronomic calculation and soil analysis at accessible prices that is available at national level.

Marabá

- Rede Viva biofertilizantes: an organic solid waste (food) collection, disposal and treatment service for commercial establishments involving the production of organic compost for local gardening and agriculture;
- Treinamentus: a 'marketplace' form of teaching platform with production of content for higher education. On the platform, under-graduate and graduate students, and professors can exchange knowledge through professional networking;
- Na Flora – Flores da Amazônia: production and commercialization of ornamental plants from the Amazon region, along with reused and recycled vases and accessories.

Canaã dos Carajás

- Eco Canaã Biojóias: production of bio-jewelery and handicrafts inspired by the culture and diversity of the region;
- Flor de Castanheira: extraction of Brazil nut and babassu coconut milk, as well as production of vegan cookies;
- Cacau Carajás: production and processing of cocoa connected to the development of quality cocoa crops for the production of chocolate.





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Women of Maranhão Network

The Women of Maranhão Network, supported by the Vale Foundation, in partnership with Mandu Inovação Social, was created in 2016, growing out of the EFC Agir Program, which encouraged women to take control of their lives through the development of their productive activities. In 2023, the cooperative involved 144 people, the majority of whom were women, who participated in 12 businesses and four groups of babassu coconut crushers.

The year began with an important recognition for the Network, in the form of the United Earth Amazonia Award, known as the Green Nobel Prize. Created to support and disseminate projects focused on ESG initiatives, the first edition of the Award was held at the Amazonas Theater in February. The award reinforced the contribution to social and economic inclusion by encouraging female entrepreneurship and the preservation of the forest with products made of babassu, which respect nature and preserve Maranhão traditions.

Today, with 16 businesses established and up and running in the communities along the Carajás Railroad, and in partnership with store owners in other towns and states, the women are beginning to look ahead to new challenges, such

as participating in incentive and training public call notices. In 2023, they were considered in the selection process for the Amazonia Fund's 29th public call notice for the Promotion of Ecosocial Productive Landscapes (PPP-ECOS), developed by the ISPN, for the project "Kernels from the Babassu: promoting the way of life, income and organization of the Sumaúma crushers".

Every year, the entrepreneurs meet to exchange experiences, think about new business opportunities and, above all, maintain the traditions and associative approach of the network. Taking as its theme "Ancestry, Autonomy and Expansion: A legacy for the regions of Maranhão", the 2023 meeting took place between August 9 and 11, and brought together members of the cooperative and representatives of Embrapa, UFMA, the State Science and Innovation Department, and Vale.

The Women of Maranhão Network has **16 businesses established** along the Carajás Railroad and in partnership with store owners in other regions.





Literary Routes and Networks

Açailândia (MA), São Luís (MA) and Ouro Preto (MG)

The Literary Routes and Networks program, which was concluded in the first half of 2023 in Açailândia and São Luiz, in Maranhão, arrived in the Minas Gerais town of Ouro Preto. In Maranhão, 40 schools benefited from the training sessions provided for 97 education professionals, focused on books and reading. In addition to this, 663 items were donated in São Luis to expand and improve the school libraries and reading corners. Over the course of two years, the project supported the structuring of 22 reading rooms and the donation of 7,492 books, as well as the ongoing training of professionals.

In Ouro Preto, a cooperation agreement was signed between the Vale Foundation and the local municipal government, by means of which the project has been able to benefit 21,500 students participating in the municipal elementary school system levels I and II. Developed in partnership with the Roda Educative organization (Cedac) and the Municipal Education Department, the project provided for the training of 98 teachers, pedagogical coordinators, experts from the Department of Education and Culture, and staff from public and community libraries. The project involved 200 hours of training on children's and youth literature and storytelling. The training also looked at the organization of libraries and reading rooms and how to make them attractive spaces that students want to visit.



The Minas Gerais town of Ouro Preto welcomed the Literary Routes and Networks program, which will benefit all the students of the public network.



Tax-deducted funds

The Vale Foundation supports Vale in the distribution of tax-deducted funds arising from five tax incentive laws: Childhood and Adolescence Fund; Elderly People's Fund; Pronon Fund; Pronas/Disabled Persons Fund; and the Federal Sports Incentive Law. A total of R\$ 252.3 million was distributed in 2023.

The management of funds at Vale aims to go beyond the technical investment of capital. These mechanisms make up one of the channels by means of which companies can establish ongoing dialogs with society and create opportunities for mutual learning, with the common aim of providing means of development that meet the needs and demands of the public.

The pass-through processes managed by the Vale Foundation seek to contribute to social development by expanding access to sport, healthcare and the basic rights of children, adolescents and the elderly. Special attention is paid to the democratization of the creation and execution of projects, strengthening public policies and extending the reach, regional coverage and diversity of the initiatives in which Vale is involved.



Democratization of access to the tax-deducted funds

In the field of sports, funds and projects were directed to locations which have historically received fewer benefits for use as tools for social inclusion. In 2023, 82 sports initiatives were supported in 32 municipalities in Pará and Maranhão. Through the Sports Training program, 639 people were trained in the Sports Law, 34% of them in Pará and Maranhão. The Vale Foundation also offers an online course allowing applicants from all over the country to access content that helps them create and manage sports projects. The course can be accessed [here](#). For advocacy groups, as well as the online course, training sessions were offered by means of the Program for Strengthening of Advocacy Groups for more than 100 municipalities in the regions where we operate. The year ended with a total of 117 funds suitable to receive funds – more than double the 45 considered suitable in 2020. The program also offered technical assistance focused on the processes involved in the regularization of documents, planning, and use of the funds' resources for advocacy groups in 15 municipalities.



Vale tax- deducted funds in 2023:

- **Sports incentive laws:** \$110,874,317.01 for 363 initiatives
- **Childhood and Adolescence Funds:** \$55,437,158.00 for 70 funds
- **Elderly People's Fund:** \$54,341,298.00 for 47 funds
- **Pronon:** \$15,345,412.36 for seven initiatives
- **Pronas/Disabled Persons:** \$16,349,064.51 for 11 initiatives



841

initiatives and campaigns
undertaken by rights
funds



131,000

people benefited by ongoing
sports projects or present at
participative events in 2023



634

people trained in the
Sports Law in Vale's
regions



30%

increase in the number of
sports initiatives



520,000

people benefited



1,900

direct jobs created in
Vale's regions



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AGIR Program

The Program to Support and Increase Income Generation promotes the development of businesses, offering training and technical support in every phase of the implementation. The intention is to involve associations, cooperatives and both formal and informal production groups in the promotion of inclusion, and create better living conditions for the community. In 2023, five businesses received support in Açailândia. (MA).

Social Protection Health Cycle

The Social Protection Health Cycle aims to strengthen actions working for the prevention of illnesses and promote health through the implementation of a cross-sectional SUAS policy, involving more qualified administrators and professionals from the areas of Healthcare and Social Welfare, who have better technical conditions and materials as they work to make a difference in the different regions.

In partnership with the Healthcare Promotion Center (Cedaps) and the municipal departments, the actions are based upon the experience

provided by the Health Cycle in the regions, with an emphasis on active and participative methodologies that are both widely-respected and successful. The initiative aims to develop skills and permanent education for administrators and professionals; promote a culture of inter-sectoral cooperation; expand the operations of basic healthcare and social welfare; and improve social and healthcare indicators (Previne Brasil).

Doing Science

This Vale Foundation initiative, developed in partnership with Roda Educativa (Cedac) and with additional investments from the company DHHI, aims to consider new ways of teaching and learning Sciences and Mathematics in the Itabira municipal network. The Doing Science project allows students to take control of their own learning. By discovering the pleasure of learning over the course of the process, they begin to truly value Science and Mathematics.

As such, the program envisages the systematic training of elementary school teachers and other professionals, such as those with the Municipal Department of Education, school administrators and pedagogical coordinators. It is equally

important that the students have access to situations and materials that encourage them to think and systematize new knowledge. Along these lines, the project also provides content and materials for the schools, thus contributing to the development of investigative activities involving actual problem situations with the students.

Food Security Program

This project aims to support the structuring of sustainable, rural productive operations amongst family farmers in Minas Gerais and Maranhão. It is conducted in partnership with the Meio Institute and involves additional investments from the BNDES within the sphere of the Socio-environmental Fund.

Inova Up

The Inova Up Program was inspired by the merger of the Amazon Entrepreneurship Center with the Agir Program (Program to Support and Increase Income Generation). The aim is to educate young entrepreneurs with a focus on sustainability, providing some of them with guidance through until they open their own companies, and monitoring their activities during the first quarter of the operation.



The program has been implemented by the Entrepreneurship Center of the Amazon Region and involves an investor partner in the form of Wheaton Precious Metals.

Rural Development Center

The Arari Knowledge Station is home to the Rural Development Center, which is a space of Excellence in Permaculture and Bioconstruction. The project promotes and generates social technologies and solutions for sustainable family farming in the neighboring communities.

Supported by the Vale Foundation in partnership with Mandú Inovação Social, the Center provides technical support and rural extension education in the productive process. The project thus strengthens food security and creates income for the families involved.

Knowledge Stations

The equipment owned by the Vale Foundation offers extra-curricular educational, cultural and sports activities for students aged 6 to 17. The programs contribute to the social development of the communities involved, with an increased appreciation of the features of each region. Their work involves actions that are designed to promote creativity, innovation, partnerships, participation and the sharing of actions between public entities, organized civil society and the communities. The Knowledge Stations are located

in the municipalities of Arari (MA), Brumadinho (MG), Serra (ES), Marabá and Tucumã (PA).

They are independent institutions, maintained mostly by funds directly provided by the Vale Foundation, tax-deducted funds from Vale, and funds provided by partner companies. The tax-deducted funds come from the Childhood and Adolescence Fund (Municipal Council for Defense of Children and Adolescents) and the Sports Incentive Law (Special Sports Department).

Women of Maranhão Network

This is a collective involving social businesses that have been incubated, accelerated and gauged by the Agir Program, and implemented in communities located along the Carajás Railroad (EFC). The social businesses that make up the Women of Maranhão Network mostly involve the women who previously sold products to passengers through the train windows. With the modernization of the transportation in 2015, the windows were sealed shut and these women lost their main source of income.

The Agir Program supported the groups in adapting themselves to the new scenario and encouraged the development of a network of association and cooperation. The Women of Maranhão Network has allowed the women to take back control and add dynamism to their productive activities, joining groups of babassu coconut crushers and accessing new markets.

Implementation of the program and support for the businesses are provided in partnership with Mandu Inovação Social and the project involves Wheaton Precious Metals as an investor partner.

Literary Routes and Networks

This Program helps public education systems to structure their policies designed to promote books and reading, and to include reading activities in their curricula. The promotion of access to books and reading is done by increasing the book collections at schools and training teachers in making reading attractive, as well as improving the reading rooms and reading corners at schools.

Educational Territories

The Education Territories project, arising from the Networked Territories project in Marabá (PA), came about due to the need to pay more attention to young people in socially vulnerable situations through more urgent actions. The project offers education opportunities, pedagogical support and psychosocial assistance at the Marabá Knowledge Station.



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Literacy Trails

Aiming to contribute to the full literacy of children attending public schools in the municipalities where Vale has operations, this program involves actions that include training for the technical teams at the State and Municipal Education Departments, and educators, as well as production and distribution of complementary educational materials, and mobilization of the school community on behalf of literacy.

In Maranhão, this Vale Foundation initiative works in partnership with 24 municipalities neighboring the Carajás Railroad, the Multi-modal Inter-municipal Consortium (CIM), the Maranhão State Government and the Getulio Vargas Foundation (FGV). In Pará, the project involves eight partner municipalities: Bom Jesus do Tocantins, Canaã dos Carajás, Curionópolis, Eldorado do Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã. The initiative in Pará also involves investments from Wheaton Precious Metals and the BNDES, through the Socio-environmental Fund. In Rio de Janeiro, partnerships have been established with the municipal governments of Itaguaí and Mangaratiba, whilst the 'Roda Educativa' organization (Cedac) is responsible for implementing the initiative.

Networked Territories

The Networked Territories program identifies the most pressing challenges relating to the development of municipalities, proposing a set of actions designed to tackle school non-attendance and closely analyze the challenges. The initiative works to bring governmental and non-governmental sectors closer together for the development of policies and actions in the different areas. The program is executed by the Cidade Escola Aprendiz organization and investor partners include Wheaton Precious Metals, the Hidrau Torque Group (GHT), Komatsu and Keda (KHDI).

The project is currently active in 16 municipalities in the states of Pará, Espírito Santo, Minas Gerais and Rio de Janeiro.

The Literacy Trails
project provides training
for staff, distributes
educational materials,
and mobilizes the school
community.



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