



VALE
FOUNDATION

2022 | Activities Report



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Message from the Board of Trustees

Acknowledge, consider and move forward

These are the words that spring to mind as I begin this letter. The year 2022 was notable for the expansion of the strategies that aim to realize Vale's social ambition of being a partner company in the development of independent communities, engaged in issues that are important for humanity and committed to sustainable mining. The work pursued in 2022 has helped us understand that we need to increasingly seek a systemic means of working, one which recognizes the social and environmental areas as structurally inseparable, and which also recognizes extreme poverty and the vulnerabilities of the regions in all their dimensions and complexities. Forest preservation, people's health, quality education and productive inclusion, for example, can no longer be addressed as isolated issues.

It is important that we **acknowledge** the 53 years of experience that the Vale Foundation has in the partnership-based creation and

execution of projects that have contributed to social development and the strengthening of public policies in the regions in which the company operates, principally in the areas of health care, education and social protection. Looking back has, in fact, been important for the institution to be able to plan for the future.

Based upon this, we can stop and **consider** that a journey is not limited to simply celebrating successful initiatives. On the contrary, it means accepting the challenge of learning from one's mistakes, planning new routes, optimizing resources and focusing one's activities on contributing to long-term transformations. All of this is considered together with a Brazil and a planet in which new variables and urgent matters appear on a daily basis.

And if we want to **move forward**, we need to be aware of our challenges and opportunities. The



2022 was notable as a period in which the frontiers of engagement with society were expanded, as were the partnerships with government authorities, private entities and civil society organizations.



Vale Foundation is therefore seeking to understand its contribution to the development of a healthier production system, whilst intensifying its operations. We now have a clearer vision of the impact we hope to make: improving basic education and primary health care, thereby contributing to social development and the reduction of poverty in the regions where the company is active. We are also aware of the potential our 'Knowledge Stations' play in Vale's social ambitions and the importance of Vale Foundation's expertise in putting strategies into practice to achieve the company's goal of helping 500,000 people out of situations of extreme poverty by 2030.

2022 was also notable as a period in which the frontiers of engagement with society were expanded and a closer look was taken at the Foundation's ability to form partnerships with government authorities, private entities and civil society organizations. Over the last year, the Vale Foundation has established strategic

partnerships with the municipal governments of eight municipalities located in the southeast of Pará, as well as Serra and Cariatoca, in Espírito Santo, and Mangaratiba and Itaguaí, in the state of Rio de Janeiro, to implement its Education and Healthcare Program. It is also worth highlighting the continuity of the work performed in improving the literacy rates in 24 municipalities along the Carajás Railroad in Maranhão state. Other partnerships involve civil society organizations such as that with the *Cidade Escola Aprendiz*, Cedac, Cedaps and FGV. These partnerships aim to establish an inter-sectoral agenda that will strengthen education, health care and social welfare in the municipalities.

Also worthy of mention is the fundamental role played by our co-investing partners, such as the BNDES, through the "Together for Health Fund" and the "Socio-environmental Fund", Wheaton Precious Metals, a long-time partner, as well as other companies such as Keda, GHT,

POSCO and DHHI, which make important social actions possible.

In Brazil, at least 32 million girls and boys (63% of the country's total) live in poverty, in all its many forms: income, education, child labor, housing, water, sanitation and information. These are the findings of the study entitled "The Multiple Dimensions of Poverty in Childhood and Adolescence in Brazil", developed by UNICEF with support from the Vale Foundation, and published at the beginning of 2023. We started the year aware of the challenges we already face and the many others that will appear, but confident that we are part of a larger movement, involving many people, companies and institutions that are united in building a better future for all.

Maria Luiza Paiva

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

Message from the President

Health, education and social protection: bases for human potential

"Poverty is not just a lack of money; it is not having the capability to realize one's full potential as a human being." This quotation, taken from the book "Development as Freedom", by the economist Amartya Sen, illustrates the work pursued by Vale and the Vale Foundation over the last year.

The Vale Foundation, with its long-established experience in strengthening public policies, provides Vale's social ambition with an horizontal perspective in guaranteeing fundamental rights, favoring the development of autonomous communities. With its priority focus on the issues of quality education and health care, the Vale Foundation operates without losing sight of the specific actions that are necessary to support those who have been systematically excluded or left behind in the processes of social development. It aims to do so through the promotion of an inter-sectoral agenda involving the social welfare of the municipalities where it is present, as well as the departments of education and health.

In 2022, we undertook a process of Change Theory which helped to direct our efforts, intensify our operations and assess the impacts and results we aim for in the long-term. We began implementing the Education and Healthcare Program in priority municipalities in Pará, Rio de Janeiro and Espírito Santo states and have continued our work in the Maranhão municipalities located along the Carajás Railroad.

At the Knowledge Stations, we have established partnerships that promote educational activities focused on digital inclusion, inaugurated 'maker' laboratories and expanded the number of children with disabilities who are served by 69%. This was a year in which the activities of the five Knowledge Stations started operating in-person once again, further strengthening their connections with the families, entities and communities in the locations where they are based (Arari, Brumadinho, Serra, Marabá and Tucumã).

Together, we contributed to helping 6,800 students return to the educational system, whilst training around 2,900 teachers and working in 2,140 schools in 2022. In the area of health care and social welfare, we worked together with 312 Basic Health Centers (UBS) and 60 Social Assistance Reference Centers (CRAS). In total, we estimate that our actions provide benefit for 1.48 million people, including students, educators, health care professionals and National Health Service (SUS) and Unified Social Welfare System (SUAS) users. In 2022, these actions benefited 31% of the populations of the 53 municipalities in which we operate. In the 12 municipalities in which we started implementing the Education and Healthcare Program, the estimate has increased to 52%.

This report is an outline of the Vale Foundation's operations in 2022. These are actions that always excite us enormously, but they also demonstrate the challenges that still need facing so that we can continue to contribute to ensuring that people are able to realize their entire potential as human beings.

The work is mostly performed in five states, and relies on a network of partners to optimize the projects

Flavia Constant

President – Vale Foundation





Vale Foundation

- Governance
- 2022 Highlights
- Tax-Deducted Funds
- Map of Initiatives



Vale Foundation

Founded 53 years ago, the Vale Foundation’s work is focused principally on the strengthening of public policies in education, health care and social welfare, collaborating for social development in the regions where we are present.

In 2022, the Vale Foundation underwent a Theory of Change process, with the aim of optimizing its operations and aligning them even more with the strategic priorities defined by Vale in the company’s social ambition statement published at the end of 2021.

Within this context, the institution concentrates its efforts on the pillar of development of independent communities, recognizing its potential to contribute, in partnership with the public authorities, to the improvement of performance in the areas of basic education and public health care. This is based upon the understanding that poverty is a multi-dimensional phenomenon and that these areas are fundamental for encouragement of the autonomy of individuals, communities and regions. This process has led to a number of action principles, especially including long-term goals that serve as a guiding light for the institution.

Vale’s Social Ambition

“To be a company that collaborates in the development of independent communities, engaged in material topics that are important for humanity and committed to sustainable mining”.





Targets for the Theory of Change for 2030

- Municipalities performing best **in primary health care**
- Children, adolescents and their families covered by **public health care and social welfare programs**
- Primary School students showing improvement in their **learning levels** and municipalities achieving the **targets established by the IDEB**
- Municipalities registering a **drop in school absenteeism**
- Students enrolled in **Basic Education** at the **correct age**
- Education, health care and social welfare professionals with greater **access to professional training opportunities**
- Advocacy groups operating in the definition of public policies and funds eligible to receive tax-deducted funds.

To achieve these targets, the Vale Foundation aims to enable inter-sectoral connections; support the public administration to develop education, basic health care and social welfare policies; mobilize social organizations by providing technical expertise for the implementation of the initiatives; operate primarily with groups of municipalities considering their realities and contexts; develop initiatives that can be scaled up for application; and strengthen advocacy groups in the regions where we operate.

The Vale Foundation currently operates mainly in five states – Pará, Maranhão, Espírito Santo, Minas Gerais and Rio de Janeiro – and works together with a network of institutional partners, executors and investors to enable the practical implementation of its work. Forming part of this network are the municipal departments of health, education and social welfare, and private and public companies, as well as organizations from the third sector with experience in public policies, such as the *Comunidade Educativa (Cedac)*, the *Centro de Promoção de Saúde (Cedaps)*, *Cidade Escola Aprendiz*, and the Getulio Vargas Foundation, amongst others.



Our commitment to the present and the future

Mission

To contribute to the social development of the regions in which Vale operates, through the strengthening of public policies and operations with partner institutions, joining forces to transform the reality of those served by our programs

Vision

A decent and independent life assured for the communities in the regions in which Vale operates.

Values

- Life first
- Caring for integrity
- Working together
- Acting transparently
- Respecting people and the regions
- Demonstrating commitment

The Vale Foundation's mission is to **contribute to social development in the regions where Vale is present**



2022 results



Highlights

- **1.48 million**
people benefited
- **81.9 million**
in investments
- **53 municipalities**
in 6 states
- **R\$ 211.6 million**
in Vale tax-deducted funds
Children's and Adolescents' Funds, Elderly People's
Funds and the Federal Sports Incentive Law. ¹

¹The Vale Foundation supports Vale in the company's management of tax-deducted funds as well as those pertaining to its subsidiaries within the sphere of the mentioned incentive laws.



Education

- **6,800 students**
reintroduced into the educational system
- **2,900 public system**
professionals trained
- **2,100 education units**
supported
- **83,800 items**
donated to education units
- **211,800 students**
benefited



Health Care and Social Protection

- **312 UBS** supported
- **60 CRAS** supported
- **935 items**
donated to UBS or CRAS
- **4,500 health care**
or social welfare professionals trained
- **1,4 million**
SUS or SUAS users benefited



Knowledge Stations

- **5 Knowledge Stations**
Arari (MA), Brumadinho (MG), Serra (ES),
Marabá and Tucumã (PA)
- **5,900 registrations**
for regular activities
- **5,300 medical-dental**
appointments provided
- **3,300**
food, hygiene or health care kits donated
- **441,600 meals**
served



Productive Inclusion

2,812
entrepreneurs supported

58 businesses
supported

The implemented projects benefited around 1.5 million people in the regions where the Vale Foundation operates

Governance

The Vale Foundation is a private-law, non-profit institution. Its principal funding organization is Vale, but it also receives funds from other institutions and companies in the form of donations that allow it to expand its operations. Bylaws, a Code of Ethics and regulations issued by the organs responsible for the administration, in line with currently applicable legislation, regulate the institution. Two administrative boards are responsible for the management and supervision of the institute's activities. Trustee and Supervisory.

The institution submits annual reports to the Rio de Janeiro Public Prosecutor's Office, in compliance with Resolution nº 68, dated 1979.



Board of Trustees

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

Chairperson:

- 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.

Chairperson:

- 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:

President

- Flavia Constant

Executive Director:

- Pâmella De-Cnop

The Vale Foundation is increasingly seeking the implementation of systemic operations, which **consider the social and environmental areas to be inseparable**



2022 Highlights

2022 was notable for a significant reduction in the operational difficulties of the projects implemented as a result of the Covid-19 pandemic during the previous two years, specifically the reopening of schools and the return to in-person activities. It was possible for activities in the field to increase whilst, at the same time, beginning an action strategy that was consolidated in the Theory of Change process. During this new stage, the Vale Foundation is reflecting upon the work performed, and thereby establishing an approach that is more focused on seeking long-lasting transformations. As a result, 2022 saw the appearance of the **Education and Healthcare Program**, involving three projects (the 'Literacy Trails', 'Networked Territories' and 'Social Protection Health Cycle'), implementation of which started in municipalities in the states of Pará, Espírito Santo and Rio de Janeiro.

The Literacy Trails project, which has been implemented in the 24 municipalities along the Carajás Railroad (EFC) in the state of Maranhão since 2020, was expanded to other areas: the southeast of

Pará, which covers eight municipalities, a region of Rio de Janeiro, that includes the municipalities of Itaguaí and Mangaratiba, and an area of Espírito Santo, made up of Serra and Cariacica. The project therefore currently involves 1,482 schools and more than 152,000 students, with 2,200 professionals receiving training in 2022. Implementation of the Networked Territories Project also started in the same regions of Pará, Espírito Santo and Rio de Janeiro states, along with five mining municipalities along the Vitória-Minas Railroad, helping more than 6,800 school students return to in-person classes over the last year. In the area of health care, the Social Protection Health Cycle developed actions based upon the experiences accumulated by the Health Cycle and the Strengthening Social Protection projects in the regions, encouraging even greater integration of health care and social welfare. The project aimed to develop abilities and promote the permanent education of administrators and professionals, whilst promoting a culture of inter-sectoral operations and improving Health Care indicators. In 2022, the project trained around 4,200 health care professionals and social workers.



What is the Education and Healthcare Program?

Three pillars support the Vale Foundation's Education and Healthcare Program:



1. Education:

Literacy and combating school exclusion:

In the area of education, the program aims to ensure that children and adolescents enter and remain in school, whilst also guaranteeing that they receive a good quality education through actions focused on a strengthening of the literacy and spelling processes (a crucial step in one's school life) and addressing the inability to attend school.

Always aiming to strengthen and expand the reach of public policies on education, the program implemented by the Vale Foundation is directed at students in public primary schools and is founded on the belief that access to a quality public education is an essential right for the development of independent communities.

2. Health Care and Social Protection:

allied in guaranteeing rights

In this area, the most important actions are focused on basic and primary health care, which are understood as being the "entrance way" for users into the public health care system. Basic health care provides guidance on the prevention of illnesses, provides cures for possible injuries, and forwards serious cases for more complex methods of care. It is oriented by the principles of universality, accessibility and humanization. As such, actions were also included that are designed to strengthen the municipalities' social welfare networks – a sector that is essential in guaranteeing access to fundamental rights.

3. An inter-sectoral and active approach

The complexity of the social issues that affect the health care and education services in the municipalities requires inter-sectoral actions on the part of the public officials. As such, the Education and Healthcare Program is structured in such a way as to promote dialog, the exchange of information and practices and, in some cases, joint actions between the municipalities' education, healthcare and social welfare agents. The establishment or strengthening of Inter-sectoral Committees is an important stage for the development of consistent and sustainable strategies that are capable of addressing the numerous vulnerabilities that the regions face.

It is also important to mention that the program will also be taking a specific look at the most vulnerable groups of people whose fundamental rights are most at risk. The actions designed to actively engage the program operate as a means of understanding the particular aspects of these families and offer, for example, solutions that guarantee children and adolescents access to school and ensure that they remain there, access to health care, and, for young people and adults, access to income transfer programs. By definition, the active search approach entails going into the field and understanding the needs, and getting answers from, the families and people in vulnerable situations.

Vale Foundation at the 2022 Rio Festival

The 'Network + Income' project, a partnership between the Vale Foundation, the *Rede Asta* and a group of investors, paved the way for the generation of income for 2,000 seamstresses at the peak of the pandemic. At the end of 2022, the story of eight of these women who came together to make masks and survive in the face of adversity was turned into a film, with support from Vale and Wheaton Precious Metals. The documentary, entitled '*Fio do Afeto*', was directed by Bianca Lenti and included guest appearances by Zezé Motta and Heloísa Buarque de Hollanda. The documentary was premiered at one of the country's leading film festivals, the Rio Festival, with the screening being followed by a conversation at the Clara Nunes Theater. Present at the event were the women who participated in the film, the essayist Heloísa Buarque de Hollanda, the writer Conceição Evaristo and representatives of the Vale Foundation, Rede Asta and the production company Giros. Over the course of 2023, the documentary will be screened in the communities where the women featured live.



Awards



The projects "Children's Education", in Resplendor and Tumiritinga, and "Inclusive Education", in Congonhas, were awarded the ABRH-MG Award, while the "Pequiá Street Market", supported by the Vale Foundation through AGIR Açailândia, was recognized by ABRH-MA. The ABRH Award encourages the acknowledgment and sharing of good practices that companies develop, whilst also assessing Personnel Management.



Tax-deducted funds

The Vale Foundation supported Vale in the process of distributing tax-deducted funds arising from the Statute of the Child and Adolescent, the Statute of the Elderly, and the Sports Incentive Law. In 2022, the law relating to the National Support Program for Oncology Care (PRONON), and the National Program to Support Health Care for People with Disabilities (PRONAS) were suspended. In the same year, R\$ 211.6 million in tax-deducted funds from the Vale System were invested in 88 funds and 86 projects as follows:

- **56 Funds for Children and Adolescents**
R\$ 70.2 million
- **32 Funds for the Elderly:**
R\$ 70.7 million
- **86 Sports Incentive Law projects:**
R\$ 70.7 million



Strengthening of Advocacy Groups and Institutions

The actions aimed at strengthening the Advocacy Groups and encouraging better use of tax-deducted funds continued in 2022, facilitating the creation and improvement of the management processes of the Children and Adolescents' Groups and Elderly Persons' Groups. The Program for Strengthening of Advocacy Groups offered specialist support to the Elderly Persons' and Children and Adolescents' Councils in ten municipalities: Anajatuba, Antônio Dias, Barão de Cocais, Curionópolis, Igarapé do Meio, Marabá, Miranda do Norte, Nova Lima, Santa Rita and Vitória. Of the ten participating Children and Adolescents' Councils, funds were paid into the respective funds of five of them at the end of the year, four of which had not received anything for more than three years. Of the ten participating Elderly Persons' Councils, three received tax-deducted funds from Vale for the first time.

The Vale Foundation also hosted the "Meeting of the Councils", in partnership with *Muller Responsabilidade Social Ambiental Empresarial*. In the on-line meetings, the Municipal Rights Councils received detailed information on regularization, development of diagnoses, action plans and the process of transfer of resources from Vale either to Elderly Persons' Funds or Children's and Adolescents' Funds.

With around 300 participants, the meetings presented important issues concerning federal legislation so that, with this as a base, the councils could analyze their processes and make any adjustments they felt necessary. There was also the chance to share good practices on the planning and use of tax-deducted funds and fund raising from different sources. By means of this initiative, the Vale Foundation aims to assist in increasing the number of regular funds, and consequently the number of projects and actions which these funds can invest in using the financial resources of either companies or individuals.

Sports Incentive Law Course

Launched by the Vale Foundation in 2022, the Sports Incentive Law Course, which is free and on-line, aims to contribute to the training of those who participate in the development, monitoring and management of sports projects funded via the Federal Sports Incentive Law (LIE) anywhere in the country. Using simple and direct content, the classes are designed for all those interested in understanding the law in detail, its correct application and all the possibilities it allows.

The initiative is important in ensuring that the potential and understanding of the Sports Incentive Law can be used democratically and responsibly by anyone who is interested in any one of the regions of Brazil. The course can be accessed on the Vale Foundation website: <https://www.fundacaovale.org/materiais/cursos/>

In total, 328 people completed the course and received certificates in 2022. Projects submitted by at least five participating institutions were approved by the Ministry of Sport, allowing them to raise funds for the first time.

An online course aims to contribute to the **training of those proposing sports projects throughout the country**



Você conhece projetos de esporte na sua comunidade?

Sabe aquele projeto que usa o esporte para ajudar na inclusão social de crianças e jovens? Eles podem receber patrocínio da Vale, por meio da Lei Federal de Incentivo ao Esporte.

Para participar, o primeiro passo é cadastrar o projeto na plataforma da Senife. Depois, basta fazer a inscrição no site da Vale:

patrocinio.valeglobalcomm.com
Prazo: até 30 de outubro

Curso sobre leis de incentivo

Se você tem dúvidas sobre as etapas que deve seguir ou não sabe como elaborar um projeto, aproveite para fazer o curso online e gratuito: cursoleideincentivo.com.br

 VALE



2022 Map of initiatives

Total municipalities: 53

Pará

8 Municipalities



Education and Healthcare Program

- Bom Jesus do Tocantins
- Canaã dos Carajás
- Curionópolis*
- Eldorado do Carajás
- Marabá
- Ourilândia do Norte
- Parauapebas
- Tucumã

Marabá Knowledge Station
Tucumã Knowledge Station

Other projects:

- Inova Up (Canaã dos Carajás, Marabá and Parauapebas)
- Educational Regions (Marabá)

**Curionópolis: this municipality did not participate in the Active Approach Campaign*

Minas Gerais

12 Municipalities



Networked Territories

- Aimorés
- Conselheiro Pena
- Governador Valadares
- Resplendor
- Tumiritinga

Brumadinho Knowledge Station

Other projects:

- Health Cycle (Governador Valadares)
- Social Protection Health Cycle (Itabira)
- Inclusion Education (Congonhas)
- Children's Education (Tumiritinga)
- Pursuing Sciences (Itabira)
- Literary Routes and Networks (Catas Altas)
- Food and Nutritional Safety (Catas Altas, Rio Piracicaba, Santa Bárbara and São Gonçalo do Rio Abaixo)

Espírito Santo

5 Municipalities



Education and Healthcare Program

- Cariacica
- Serra

Serra Knowledge Station

Other projects:

- AGIR (Cariacica)
- Health Cycle (Colatina and Ibraçu)
- Strengthening Social Protection (Ibraçu)
- Literary Routes and Networks (João Neiva)

Mato Grosso do Sul

2 Municipalities

Completed projects

- AGIR (Corumbá)
- Health Cycle (Corumbá and Ladário)
- Literary Routes and Networks (Corumbá and Ladário)

Education and Healthcare Program

- Active Approach Campaign
- Primary School Campaign
- Health Care and Social Welfare Campaign

National

Strengthening of Councils
Network + Income
Enterprise Network

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 Luíza
- Santa Rita
- São Francisco do Brejão
- São Luís
- São Pedro da Água Branca
- Tufilândia
- Vila Nova dos Martírios
- Vitória do Mearim

Health Care and Social Welfare Campaigns planned for 24 municipalities in 2023

Arari Knowledge Station

Other projects:

- AGIR (Açailândia)
- Health Cycle (Açailândia and São Luís)
- Indigenous Health Cycle
- Strengthening Social Protection (Açailândia and São Luís)
- Women of Maranhão Network (Alto Alegre do Pindaré, Arari, Bacabeira, Bom Jardim, Buriticupu, Itapecuru Mirim, Tufilândia and Vitória do Mearim)
- Literary Routes and Networks (Açailândia, Arari, Bacabeira, Santa Rita and São Luís)
- Food and Nutritional Safety (Arari, Bacabeira, Itapecuru Mirim, Santa Rita and Vitória do Mearim)

Rio de Janeiro

2 Municipalities



Education and Healthcare Program

- Itaguaí
- Mangaratiba

Other projects:

- Children's Education (Mangaratiba)
- Strengthening Social Protection (Mangaratiba)
- Literary Routes and Networks (Itaguaí)



Northern System

The support provided by investment partners allowed the Vale Foundation to expand its work in the Northern region of the country

Click below to find out more about our initiatives in each state



Pará



Maranhão





In the North System, the Vale Foundation operates in municipalities located along the **Carajás Railroad and in the Southeast of Pará**

North System

In 2022, we continued to witness the effects of the health, economic and humanitarian crisis brought about by Covid-19. The post-pandemic scenario involving an increase in hunger and inability to attend school, as well as being strategic definitions for Vale, were factors that guided a more focused series of operations by the Vale Foundation in the states of Pará and Maranhão. It is worth noting that the North System is located in the Legal Amazon, making the need to implement social and environmental agendas that much more evident.

In Pará, the most important sign of these activities was the implementation of the Education and Healthcare Program in eight municipalities in the southeast of the state: Bom Jesus do Tocantins, Canaã dos Carajás, Curionópolis, Eldorado do Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã. An agenda that is common to and shared by the three axes of health care, education and social welfare, started operating in partnership with the respective municipal departments and partners responsible for its implementation. In relation to our partnerships,

special mention should be made of the BNDES through the Socio-environmental Fund and the Together for Health Fund, as well as Wheaton Precious Metals, Komatsu and Keda. The Marabá and Tucumã Knowledge Stations should also be mentioned for taking an even greater part in the Vale Foundation's action strategy, especially due to their participation in the municipalities' Inter-sectoral Committees and their involvement in actions aimed at combating extreme poverty.

In Maranhão, a state that provides logistics support for the exportation of the iron ore produced by Vale, the initiatives of the Vale Foundation extend across the 24 municipalities linked by the Carajás Railroad (EFC). As well as continuing with the Literacy Trails project, the municipalities will be able to benefit from the Social Protection Health Cycle as of 2023, which is being enabled via the Together for Health Fund (BNDES) and a partnership with Wheaton Precious Metals. We can also note the continuity of the Maranhão Women's Network and the work of the Arari Knowledge Station.



Pará | Results of the projects

Education

- **20,800 students** benefited
- **2,900 children, adolescents and** reintroduced into the educational system
- **288 professionals** trained
- **398 education units** supported

Knowledge Stations (Marabá and Tucumã)

- **61 activities** offered
- **3,800 medical-dental appointments** provided
- **2,200 registrations** for regular activities (non- PCD)
- **62 registrations** for regular activities(PCD)
- **1,300** food, hygiene or health care kits donated
- **110,000 meals** served

Health Care and Social Protection

- **101 UBS** supported
- **1,700 health care and social welfare professionals** trained
- **487.3 million SUS or SUAS users** benefited
- **21 CRAS** supported

Productive inclusion

- **10 businesses** supported
- **36 people** supported



Literacy Trails

Based upon the experiences of the literacy project in the 24 Maranhão municipalities located along the Carajás Railroad, implementation of the Literacy Trails program began in eight more municipalities in the southeast of Pará at the end of 2022. The project aims to contribute to improving the levels of literacy and learning amongst children in the first years of Primary School in the public education system. Developed through a partnership between the Vale Foundation, the Getulio Vargas Foundation and the authorities of the municipalities in Pará where Vale has operations, the initiative works on training educators, managers and technicians, providing a base for the exchange of experiences and development of a school action plan.

Complementing the ongoing training activities, the project also monitors the students' learning and the activities of the educators in the 398 participant schools, thus making it possible to observe the participation, interaction and integration of the students and teachers to strengthen the classroom dynamic, encourage achievements, and arrive at collective solutions with a view to overcoming difficulties, amongst other pedagogical aspects. In 2022, a total of two pedagogical monitoring projects were undertaken, which covered around 50% of the classrooms of the municipalities participating in the project.

The project seeks to improve the level of literacy and learning amongst children in public schools

Sharing the learning

With the purpose of being a socializing activity, the Literacy Trails program aims to share experiences and promote the social integration of narratives through the memories, traditions, and ways of seeing and experiencing in all the municipalities where it is engaged. The project is offered online through the Digital Learning Management System that includes a space for research, cataloging and creation of the audiovisual library and memory of the regions.

The project also involves the creation and distribution of complementary teaching materials, such as almanacs and games, that take into consideration the rich diversity of the participating communities. The first of these, the Literacy Trails almanac, is intended for students and teachers and will make use of a forest trail as a means of guiding the learning. Along the "path", regional vocabulary and illustrations record the different cultures of Pará, including indigenous culture. The material for the Literacy Trails in Pará is currently being developed and distribution is expected to begin in 2023.





Networked Territories

This project began in the town of Marabá in July 2020. In 2022, it was extended into another six municipalities around the state of Pará: Bom Jesus do Tocantins, Canaã dos Carajás, Eldorado do Carajás, Ourilândia do Norte, Parauapebas and Tucumã. During this period, almost 3,000 children and adolescents who were not attending school or who ran the risk of being unable to attend school, were brought back into the education system.

Over the course of the year, active research was undertaken in the form of home visits to the families of children and adolescents who had stopped attending school. The team also offered support by providing information on the school calendar, bringing together the channels and documents necessary for enrollment, re-enrollment or transfer, depending upon the case in question. As well as the information, the coordinators remained ready to assist those responsible in the event of doubts or difficulties relating to the process. Materials that were easy to distribute were also developed to help those

responsible during the period of the project, including videos and informative cards communicated via WhatsApp, whilst loudspeakers were mounted on cars, joint efforts were organized to involve pedestrians in busy municipal areas, and ads and articles were published in local communication vehicles. At the end of the year, the project intensified its mobilization strategies with the municipal education departments with the aim of providing support in the enrollment process – a crucial stage in guaranteeing the right to education.

Around 3,000 children and adolescents who were not attending school or who ran the risk of being unable to attend school, **were brought back into the education system**

Social Protection Health Cycle

One of the highlights of the year was the implementation of this project in eight municipalities in the focus region of Pará state. A partnership between the Vale Foundation, the municipal health and social welfare departments and the Health Promotion Center (Cedaps), the Social Protection Health Cycle supported 101 Basic Health Care Centers (UBS) and 21 Social Assistance Reference Centers (CRAS). Forming part of this support was the training of professionals and the provision of instruments and equipment allowing for improvement of the diagnostic and medical practices. The improvement in the services provided and the establishment of the right to health care in the regions benefited more than 487,00 SUS or SUAS users.

The project also provided technical assistance for development of the first Marabá Municipal Plan for Early Childhood, through a collective operation that involved participants from the Municipal Departments of Social Welfare, Health and Education. The assistance involved workshops for the professionals involved, training them in the creation and development of the document with a view to understanding the importance of the material as a public policy for the municipality and for inter-sectoral relations.

Training health care professionals
and improving the units'
installations **has meant that better
services can be provided for the
patients**



A broader concept of health

The understanding of health care should be based upon a wide range of biological, social, economic and cultural factors – what are referred to as Social Health Determinants – which interconnect the different areas of our individual and collective lives, resulting in factors that can exacerbate or promote health. As such, preventing illnesses and promoting good health are fundamental pillars for public health care in Brazil, and, as such, the public policies should contribute to improving the public's quality of life.

This broad concept of health is to be found in the premises of the Health Cycle Program which, since its creation in 2014, has acted to strengthen Primary Health Care in partnership with the Health Promotion Center (Cedaps). Why Primary Health Care? Because it plays a fundamental role in this process and was consolidated using the reorganization of the health services as a base once the Brazilian National Health Service (SUS) had been founded. Interdisciplinary health care teams have started working closely together with the people and the regions, especially those communities neighboring the Basic Health Centers.

But there are a great many challenges in guaranteeing the right to health care. Considering the Brazilian context, with social inequality and higher levels of poverty and extreme poverty, the improvement of public health now also involves tackling social inequalities. In response to this, an inter-sectoral alliance between a private foundation, an NGO, Brazilian universities and municipalities has provided an essential mold for strengthening and accelerating the processes of permanent education in the SUS and SUAS (Unified Social Welfare System), whilst also cooperating for improvements in the management of public policies.

As such, in 2022, the Health Cycle Program was expanded with the creation of the Social Protection Health Cycle, whilst work also started with Social Welfare, with the aim of supporting public policies, including management based upon geo-processed data and indicators, which contributes further still towards the planning of local and municipal actions that attend to the population's health care needs and at the same time benefit the development of local responses to the leading grievances and forms of care.



The areas in which the Social Protection Health Cycle Program operates are based upon the strengthening of structural resources through the donation of equipment and support for the ongoing education of health care and social welfare professionals, facilitated by the production of informative content that is disseminated using social media. Countless practices have been developed by the professionals in their particular regions, increasing access to quality information and care for the public by the teams, utilizing up-to-the-minute knowledge and techniques, all of which are constructed collectively. The most important aims involve expansion of healthy practices and the improvement of indicators and contact with the people and more vulnerable communities.

Kátia Edmundo

Executive Director of the Health Care Promotion Center (Cedaps)

Marabá and Tucumã Knowledge Stations

After almost two years of online activities, the Marabá and Tucumã Knowledge Stations have once again started providing in-person services. The spaces include culture, science and sports workshops, whilst also providing medical and dental services with extra-curricular activities for children and adolescents. In order to increase access and contribute to the inclusion of children and adolescents with disabilities at the Marabá and Tucumã Knowledge Stations, multi-functional resource rooms have been opened, providing spaces focused on these students' motor, cognitive, sensory, social and emotional performance. The activities are conducted by specialized professionals, using adapted didactic equipment and materials for the benefit of 62 children. The stations are financed using resources provided directly by the Vale Foundation, tax-deducted funds from Vale, and support from Wheaton Precious Metals, a partner investor.

Developing scientific and technological skills

In Marabá, an initiative designed to encourage the inclusion of scientific and technological education in the classes of the enrolled children and adolescents was implemented in 2022. The activities take place in the 'maker' spaces, these being classrooms designed for the students to develop inter-disciplinary projects using wood-working tools, electronics and recycled objects. The project involves workshops that aim to encourage the students to develop different types of rockets and understand how flying machines work, whilst also developing their knowledge of the solar system, the stars and the constellations. All this is done using software and the construction of models.



2,200 people have benefited from dental treatment and cultural, scientific and sports activities



Inova Up

Ten sustainable businesses have been accelerated by this initiative that benefits 18 entrepreneurs in three towns: Canaã dos Carajás, Marabá and Parauapebas. Amongst the enterprises are vegan products, bio-jewelry, treatment of organic waste and the creation of online platforms, amongst others. After the ideas had been selected and the companies properly founded, the young entrepreneurs took part in an immersive experience in the areas of law, accounting, marketing, sales, production and management. The initiative is being developed in partnership with the Entrepreneurship Center of the Amazon Region and with investment from Wheaton Precious Metals.



The businesses provided with a boost range from *the development of on-line platforms*, and **the production of vegan products and bio-jewelry, to the treatment of organic waste**



Educational Territories

The 'Educational Territories' project was developed out of an advance diagnosis performed by the Networked Territories Project and is focused on families whose social demands highlight the need for short-term actions to prevent more serious social risks. Over the course of one more year in operation, the project supported 53 children and young people through social protection actions, educational activities, teaching support and psychosocial services for children and their families at the Marabá Knowledge Station.



Maranhão | Results of the projects

Education

- **91,300 students** benefited
- **1,700 professionals** trained
- **1,100 education units** supported
- **74,600 items** donated to education units

Health Care and Social Protection

- **437 professionals** trained
- **29 UBS** supported
- **8 CRAS** supported
- **95.7 million SUS users** benefited
- **278 items donated** to UBS or CRAS

Knowledge Stations

- **28 activities** offered
- **1,500 medical-dental appointment** provided
- **1,000 registrations** for regular activities (non-PCD)
- **29 registrations** for regular activities(PCD)
- **1,900** food, hygiene or health care donated
- **141,000 meals** served

Productive inclusion

- **24 businesses** supported
- **748 people** supported



Literacy Trails

Before the pandemic, Maranhão had already been facing enormous challenges in consolidating the right to quality public education. The most recent demographic census, from 2010, revealed that 34% of children under the age of 8 in the state did not know how to read. With the aim of reducing this serious educational situation, the Vale Foundation, in partnership with the Getulio Vargas Foundation, implemented the Literacy Trails project in the 24 Maranhão municipalities located along the Carajás Railroad. The project focuses on children in the first years of Primary School and, since 2020, the initiative has been implemented in the entire public education system of the municipalities in the region. In 2022, more than 68,000 students benefited from the project which also trained 1,000 educators and supported training activities for 396 school administrators.

The actions also included the promotion of local culture as can be seen in the “Web, Identity and Culture” event, held in the quilombola community of Recurso. This activity resulted in the

creation of a junior creole drumming group, an activity that is one of the leading expressions of Maranhão native culture, and recognized as one of Brazil’s intangible heritages.



“

Maria Justina Launé
Supervisor of the Heráclito Nina Municipal School.

“We are holding this event so that the children can experience their culture. To understand who their predecessors were, how they lived, what they ate. The children don’t know about this reality that is ‘Quilombo’ (...), and if we don’t try to rescue this reality, it will die”

As well as the production and distribution of almanacs to all the students attending the 1st to 3rd grades of Primary School, the project has produced the Literacy Trails Games, which are to be distributed to schools in 2023.



Meaningful and enjoyable learning

“When playing, the student learns, above all, to know and understand the social world around them,” Lev Vygotsky (1896–1934).

The Literacy Trails project envisages literacy from the perspective of ‘lettering’ and numeracy. 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. Furthermore, through speaking, reading and writing, children acquire understandings not only of language, but also of different areas of knowledge, which benefit their participation in different social spheres. It is in this way that numeracy can be seen to be inseparable from literacy.

The concept of literacy from the perspective of lettering in the Literacy Trails project involves meaningful and enjoyable learning. With one of its principles being Playfulness, something that is present in all levels of learning but is to be found

mostly children’s education and early learning, the pedagogical materials aimed at children – Almanacs and Games – present the content in a way that is fun and interactive. The project employs playing as a primary and essential activity in the literacy process.

The Literacy Trails Games are divided into five categories: games involving reflection upon the properties of the Alphabetic Writing System (AWS); phonological awareness games; games involving the consolidation of graphophonic correspondence; orthography games; and mathematics games. They are designed for children in the first three years of primary school.

A catalog accompanies the Literacy Trails Games, guiding the teachers who can thus make pedagogical decisions connected to the learning objectives being developed. They can choose the games that the children will take part in depending upon their aims; they can also define how the children are to be organized and how they should acting during the activity – more freely or with a greater degree of guidance.

The teacher can form groups including children with different levels of knowledge. In this case, the teacher can decide which game should be played by each group, depending upon the learning objectives they intend to pursue. The teacher does not need to monitor the game continuously, meaning they do not need to remain with any specific group.

The teacher can also form groups of children with similar levels of knowledge and choose games based upon the objectives the specific group needs to work on. By doing so, the teacher can gauge these groups more directly, resolving possible conflicts and settling doubts.

Furthermore, the children can play on their own, as part of the classroom routine, choosing their friends or the games they like best.

José Henrique Paim

Director of the Public Administration and Educational Policies Development Center at the FGV

Vilma Guimarães

Literacy Trails Project Consultant (FGV)

Health Cycle

In Maranhão, the Health Cycle program offered theme-based workshops designed to train the professionals working at the Basic Health Care Centers, as well as instruments and equipment to improve diagnoses and the services provided to the public. The workshops allowed for the creation of the Education and Health Care Promotion plans, involving the promotion of innovative practices designed to strengthen the teams working in the regions and the connections between the health care teams and the community, whilst also providing better planned and integrated support for the professionals in the performance of their functions.

In the first half of 2022 alone, 223 health care professionals participated in these training sessions in the municipalities of Açailândia, Santa Inês and São Luís.

In parallel, the Indigenous Health Cycle, which began in 2021, expanded its scope by equipping eight UBSIs designed to meet the health care needs of the communities in the regions of Alto Turiaçu and Pindaré, within the municipalities of Santa Inês, Bom Jardim and Zé Doca. A total of 278 deliveries were made, including equipment, computers, chairs designed for blood donations, and blood pressure measurement devices.

The project trained
**professionals from
Açailândia, Santa Inês
and São Luís**

Indigenous Health Cycle

An initiative developed by the Vale Foundation, the Indigenous Health Cycle is a technical cooperation program designed to strengthen Indigenous Primary Health Care that has been developed jointly with the Base Centers/Special Indigenous Sanitation Districts (PB/DSEI) located in areas where Vale has an influence. One of the aims of the Indigenous Health Cycle is to contribute to strengthening the ties between the multi-disciplinary indigenous health care teams (EMSI) and the indigenous communities through inter-cultural strategies that take into consideration social participation and the inter-sectoral scenario focused on intervention in the factors that determine health. By doing so, the program aims to assist in the development of the EMSIs' communicative abilities, thus hoping to collaborate to ensure that the indigenous communities receive comprehensive and specialized health care.



Arari Knowledge Station

Located in a rural region, the Arari Knowledge Station restarted its in-person activities there—by reinforcing its commitment to the inclusion of children and adolescents with disabilities in the project. At the beginning of the year, the Knowledge Station inaugurated an interactive, multi-functional resource room with the intention of encouraging the development and comprehensive participation of children and adolescents with disabilities or who are in need of special attention. Using occupational therapy performed at the Station itself (including ludic, transversal and educational activities), the project seeks to contribute to the development of those in need of support and allow for their participation in the occupation areas that occur at the Knowledge Station.

The Scientific and Technological Education project, meanwhile, strengthened the vision that the Knowledge Stations should encourage the enjoyment of scientific discovery and the use of information technology.

Rural Development Center (NDR)

The aim of the Rural Development Center, located at the Arari Knowledge Station, is to become a center of excellence in social technologies focused on the rural environment and solutions for sustainable production and family farming in the neighboring communities. Supported by the Vale Foundation and managed by the Arari Knowledge Station itself, the NDR provides technical assistance and rural extension in the production process, improving food safety and creating income for the families involved.

In 2022, the Rural Development Center became a showcase and great incentive for social technologies amongst rural producers and researchers. Part of this work was developed in partnership with Embrapa, which implemented the social technology referred to as '*Sisteminha*', created by the researcher Luiz Carlos Guilherme, who has led periodic training sessions for the families served by the NDR.





AGIR – Açailândia

Five businesses involving more than 120 people from Açailândia (the most populous town in the state) are being impacted by the Program to Support and Increase Income Generation, a partnership developed between the Vale Foundation and Impact Hub. Last year, of special note amongst the actions that promoted local leadership were the ‘Pequiá Street Market’, which allowed 26 traders to be able to display fruit, vegetables, herbs, handicrafts, snacks and ornamental plants for sale directly to local people, and the inauguration of the Polpastizal Natural Fruits and Pulp Factory.

120 people, from five businesses, participated in the Program to Support and Increase Income Generation

Community Management of Water

With the intention of improving the quality and access to water for around 60 families from the Arraial Community in Vitória do Mearim, this pilot project, developed in partnership with the Sisar Institute, took great steps forward in 2022 with the construction of water collection and treatment structures, as well as logistics facilities for distribution to the houses, involving the effective participation of the members of the community.

Over the course of the year, system construction and usage workshops were held, encouraging association and cooperation. The project also involved training in the correct use of water and environmental education, whilst it also provided support for the legal regulation and management of the association by the members of the community themselves. The activities aim to ensure proper management of the water by the community itself as well as access to the resource by all at a low cost which will be shared between the families.

Literary Routes and Networks

Reading is a fundamental stage in the process of literacy as well as in the formation of citizenship. Only those who can understand what they read can develop the critical ability to question the world. But constant engagement is necessary, as is access to a wide range of texts and the encouragement of a trained professional so that a child starts to enjoy whilst still young. With this in mind, the Literary Routes and Networks trained at least 270 educators in 2022, inaugurated nine reading rooms (three in Açailândia, two in Bacabeira, one in Arari and three in Santa Rita) and donated 6,437 books benefiting more than 25,000 students in 72 schools.



The project encouraged the habit of reading in **72 schools in Maranhão**

Women of Maranhão Network

Cooperation, networked association, women's entrepreneurship and an inspiration for other women. The Women of Maranhão Network cooperative currently supports 19 social businesses involving 221 members, around 120 of whom are babassu coconut crushers. In 2022, with the help of the Vale Foundation, Mandú Inovação Social and Wheaton Precious Metals, the Network became a cooperative and had the opportunity to participate in the 10th Sebrae Entrepreneur Trade Fair, held in São Luís. These women can now prospect for trade partners amongst store owners interested in acquiring products created out of the mesocarp of the babassu, the most important fruit used in the cooperative's manufacture of flour, cookies and oils.

Also in 2022, the Women of Maranhão Network was included in the 29th public selection process held by the Amazônia Fund for the Promotion of Productive Ecosocial Landscapes (PPP-ECOS).



Resistance, culture and international recognition

In celebration of the State Babassu Coconut Crushers Day, held every September 24 in the states of Maranhão, Piauí and Pará, the Women of Maranhão Network held a gathering involving a wide range of activities at the Maranhão Vale Cultural Center. The meeting, held on September 28, included a demonstration of babassu coconut gathering and crushing, workshops, conversations and exchanges between the workers and the regions, as well as a cultural presentation by the Creole Drumming Group from Vila Fé em Deus. The celebration is intended to allow those involved to think about the struggle faced by the babassu coconut crushers, which involves the fight for land rights, survival and the upkeep of the local culture.

The Women of Maranhão Network was also highlighted by the 'Science Summit at UNGA 77', since it is a case that illustrates the social actions of the private initiative focusing on women aiming to strengthen collaborative networks for the development of autonomous communities. The experience of the babassu coconut crushers also serves as a base for a conceptual test to be performed by the Vale Foundation and Vale focusing on tackling extreme poverty amongst other women who also make a living by crushing coconuts.

Southeastern and Southern Systems

The implementation of the Education and Healthcare Program in Espírito Santo and Rio de Janeiro, and the continuity of education projects in Minas Gerais, were the main activities in 2022.

Click below to find out more about our initiatives in each state



Minas
Gerais



Espírito
Santo



Rio de
Janeiro

Southeastern and Southern Systems

The work of the Vale Foundation in the Southern and Southeastern Systems mainly involves the municipalities located along the Vitória-Minas Railroad (EFVM), including Minas Gerais and Espírito Santo railroad communities, as well as towns in other areas where Vale has operations, such as Itabira, Brumadinho, Ouro Preto, Catas Altas and Congonhas. In the state of Rio de Janeiro, the work is developed in the municipalities of the Southern Port communities of Itaguaí and Mangaratiba. 2022 also saw the conclusion of the AGIR, Health Cycle, and Literary Routes and Networks projects in Corumbá and Ladário, in Mato Grosso do Sul.

The most important activities in these regions over the last year involved the first steps in the implementation of the Education and Healthcare Program in two areas (one in Espírito Santo and the other in Rio de Janeiro) and the continuity of education and healthcare projects in Minas Gerais.

Also worthy of note was the Literacy Trails project, which benefited more than 63,000 students in regions of Espírito Santo and Rio de Janeiro, and the Networked Territories project, which helped around 3,900 children and adolescents return to school after having dropped out or having been risk of doing so in Espírito Santo and Minas Gerais. In the four states, more than 190 basic health care centers and social welfare and reference centers were provided with support. The Knowledge Stations in Brumadinho (MG) and Serra (ES) benefited 2,600 children enrolled in the regular activities.





Minas Gerais

Results of the projects

Education

- **7,900 students** benefited
- **2,400 children and adolescents** identified as having dropped out or at risk of doing so
- **2,100 children, adolescents and** reintroduced into the educational system
- **339 professionals trained**
- **205 education units** supported
- **2,200 items** donated to education units

Health Care and Social Protection

- **45 UBS** supported
- **210.2 million SUS users** benefited
- **631 professionals** trained

Knowledge Stations

- **19 activities** offered
- **956 registrations** for regular activities (non-PCD)
- **46 registrations** for regular activities (PCD)
- **41,300 meals** served

Productive inclusion

- **74 people** supported

Networked Territories

This program is developed in partnership with Cidade Escola Aprendiz and the participating municipal governments, and seeks to identify children and adolescents aged between 4 and 17 who have dropped out of school or are at risk of doing so, thus guaranteeing them the right to education. In Minas Gerais, it has been implemented in the municipalities of Aimorés, Conselheiro Pena, Governador Valadares, Resplendor and Tumiritinga. In its second year of operation in the state, the project brought 2,100 students back into the education system.

Rail Cars campaign

A series of actions designed to tackle the rates of students not attending school occupied the stations and rail cars of the Vitória to Minas Railroad (EFVM) in June. On National and World Day Against Child Labor, June 12, the project staged a campaign designed to raising awareness, and inform, debate and highlight the struggle against this violation of the rights of children and adolescents.



Social Protection Health Cycle

The Social Protection Health Cycle has been implemented in the municipality of Itabira, in Minas Gerais, since 2022. The initiative aims to engage the ongoing education of health care and social welfare administrators and professionals, promote inter-sectoral relations and donate the necessary furniture and equipment to the networks. The objective is to contribute to improving the performance of the local Primary Health Care and Social Assistance. In 2022, the project operated in 15 Basic Health Care Centers (UBS) and in five Social Assistance Reference Centers (CRAS), reaching an estimated public of around 54,000 SUS or SUAS patients. In total, 259 health care professionals were trained, including doctors, nurses and community health care agents, amongst others. The Social Protection Health Cycle in Itabira is a Vale Foundation initiative in partnership with the Municipal Health Department and the Health Care Promotion Center (Cedaps)

“Every day the project surprises me more and more. It goes much further than just receiving equipment and technical support. The team is so active and the professionals are very highly motivated. The workshops really have managed to have an effect. We can see the excitement in the team’s eyes, since they are pleased with the progress the work has made,” says Alice Teixeira Pontes, superintendent of Health Care Actions in Itabira. In Governador Valadares, meanwhile, the traditional format of the Health Cycle has supported the municipal administration in the development and delivery of the Governador Valadares Introductory Course in Family Health Care, designed in accordance with the specific needs of the region. The course was offered to all those professionals involved in Primary Health Care and is divided into five modules using an approach based upon Meaningful Learning adapted to the language of online learning environments. Over the course of the year, the project supported 30 UBS and trained 372 professionals in the municipality.

Brumadinho Knowledge Station

The Brumadinho Knowledge Station recognizes that sport is a learning tool for the comprehensive individual and social development of children and adolescents. Based upon this understanding, the Station offered 19 educational, cultural and sporting activities last year, with the one thousand participants all coming back to make use of the equipment time and time again.

The 'Vale Música Brumadinho' project also takes place at the Brumadinho Knowledge Station, offering students classes in singing and wind and percussion instruments. Under the coordination of the Ouro Preto Orchestra, the classes are conducted by members of the São Sebastião Band, one of the region's most traditional musical groups.

Inclusive Education

In Congonhos, this project trained 64 educators and provided more than 800 items, including adapted teaching materials, games for the development of motor and visual coordination, and tablets. Fourteen multi-functional resource classrooms forming part of the municipal education system were also organized and adapted, thereby increasing the specialist teaching services being offered to special needs or gifted students or those with pervasive developmental disorders or with exceptional abilities. In order to run this initiative, which concluded in 2022, the Vale Foundation received support from the Citizens' Initiatives Agency and the Vale Volunteer Network.

7,900 students in Minas Gerais benefited from education projects



Roseli Caixeta

specialized education teacher with the Congonhas teaching system

"The new classroom contains a variety of ludic, didactic and pedagogical materials which boost the development and learning of our special-needs students"





Pursuing Sciences

In Itabira, around 240 primary school teachers are participating in training cycles with the aim of thinking about new ways of teaching the Sciences and Mathematics. The project involves 22 schools and plans on providing both content and materials. In the last year, of the 825 items donated, 473 were workshop boxes focused on themes such as “Thermometer and Scales”, “Motor and Generator” and “Probability”, thus contributing to investigative activities performed in the classroom. This initiative, administrated by the Vale Foundation in partnership with the Cedac Educational Community, benefits around 7,000 students enrolled in the 1st to 9th grades of the municipal system.

Literary Routes and Networks

Last year, teachers from Catas Altas began training in the “Literary Projects” program, with the aim of contributing to encouraging new readers. More than 50 educators, from the town’s five municipal schools, took part in the initiative. As a way of complementing the municipal schools’ library collections, the ‘*Casa do Professor*’ and the ‘*Saberes do Morro* Community Library’, around 1,500 books were donated. Collaborating with the program, that benefits 629 students, is the Arte Tear Institute.

The training of teachers in the sciences, mathematics and literature **allows them to look for new ways of teaching**





Espírito Santo

Results of the projects

Education

- **53,600 students** benefited
- **1,300 students** noted as having dropped out or at risk of doing so
- **1,800 students** reintroduced into the educational system
- **282 professionals** trained
- **267 education units** supported
- **145 items** donated to the educational units

Productive inclusion

- **11 businesses** supported
- **101 people** supported

Health Care and Social Protection

- **846 professionals** trained
- **80 UBS** supported
- **458.3 million SUS or SUAS users** benefited
- **300 items** donated to UBS or CRAS
- **10 CRAS** supported

Knowledge Stations

- **50 activities** offered
- **1,500 registrations** for regular activities (non-PCD)
- **60 registrations** for regular activities (PCD)
- **149,200 meals** served

Literacy Trails

The Literacy Trails Project is implemented in the Espírito Santo municipalities of Serra and Cariacica in partnership with the municipal governments and the Educational Community (Cadac). The project benefits around 52,000 early primary school students and, in 2022, 145,000 items were donated to the educational units, 235 professionals were trained, and 145 education units were supported.



Collaboration in Education: needs and potential

Collaboration is one of the pillars of the education projects that we develop in partnership with the Vale Foundation team. We start with the understanding that the collaborative approach should be experienced at the different levels of operation, from the schools and classrooms to the education departments. Collaborating requires being ready to understand the reality of the other parties involved and to share one's own challenges and suggestions; this interaction generates discussion, an exchange of experiences, and analysis from different perspectives.

In the work that we began in 2022, in partnership with the Espírito Santo municipalities of Serra, Cariacica, and those in Rio de Janeiro of Itaguaí and Mangaratiba, we worked on the training of the technical teams at the education departments, and the school principals, coordinators and teachers (in the areas of Portuguese Language and Mathematics), with our focus being on articulated and systematic work and encouragement for the construction of a collaborative professional stance that jointly seeks to resolve the problems facing the education sector.

A collaborative network is maintained when, over time, those based locally assume and implement the

methodologies drawn from the training and the culture of study and dialog in search of solutions that can be implemented into the teaching system, with a gradual reduction in the participation of the external agent. We have therefore structured an formative chain with local instructors who can be a reference point for their networks and regions, and for the strengthening of the inter-sectoral and regional educational policies from a regional perspective.

Based upon the strengthening of the systemic and collaborative training in these municipalities, we can support the operations of these two regions in the formation of Education Development Arrangements in their regions, with a reference point being the success of the ADEs that we supported in 2010 in other regions through what was called the 'Education Action' program. This form of regional "horizontal" collaboration, that these days exists throughout Brazil, has enormous potential benefits, including improvements in the administrative and pedagogical management of the systems; gains in scale and reduction of costs; an increase in the representation of the municipalities before the State and the Union; and a reduction in the inequality of educational opportunities within the same region.

Tereza Perez

resident of the Cedac Educational Community



1,800 students were reintroduced into the educational system in 2022



Networked Territories

In 2020, the city of Serra was the first in the state to implement the Networked Territories project. A partnership developed with Cidade Escola Aprendiz and the city's municipal government, the project resulted in support being provided for 177 education units and 25 newly trained professionals. In 2022, the project helped to reintroduce 1,800 students into the Serra educational system.

Also this year, a course was offered entitled "Networked Territories: comprehensive education and protection for children and adolescents", in partnership with the Violence Prevention and Human Rights Education Policy Center of the Social Services School at the Federal University of Rio de Janeiro (UFRJ). Over the course of 60 hours, the training aimed to develop a proposal for inter-sectoral action with a focus on the sustainability of a public policy designed to tackle school exclusion. Participating

in the synchronized classes and unsynchronized activities were 100 professionals, including representatives from the municipal departments of education, health and social welfare, the state education departments, the Child Protection Agencies, the judiciary and the municipalities' social organizations. As one of the program's activities, the course represents the conclusion of the field work and methodological transfer of the active search over to the public authorities.

In the second half of the year, the municipality of Cariacica also joined the project, starting with field work that searched for a way of integrating the projects involved in the Education and Healthcare Program: the 'Social Protection Health Cycle' and 'Literacy Trails'

Social Protection Health Cycle

Implementation of the Social Protection Health Cycle began in the municipalities of Serra and Cariacica, incorporating social welfare as well as health care. The initiative provided support for eight Social Assistance Reference Centers and 40 Basic Health Care Centers, benefiting more than 381,000 SUS and SUAS patients. In the towns of Colatina and Ibraçu, the traditional Health Cycle came to a close with the donation of 300 items to the UBS and training of 340 professionals, considering an estimated population of 76.6 SUS users. For greater community integration and engagement, the 'Successful Experiences in Colatina Meeting' was held, an event that

presented the plans for education and health care promotion developed by the Primary Care teams – an unfolding of the formative process encouraged by the Health Cycle. A total of 14 plans were implemented involving the the UBS patients and addressing issues such as diabetes, hypertension, health care for the elderly, mental health and smoking. The positive experiences of teams from other municipalities which have implemented the Health Cycle along these same lines were also presented, with the intention of inspiring and encouraging the group in the activities and actions.



Serra Knowledge Station

Covering an area of more than 47,000m², the institution has space to be able to offer education, cultural, sports and entrepreneurship actions to the town's children and young people. In 2022, 50 extra-curricular activities were offered and 1,608 children and adolescents (60 of them with disabilities) were enrolled in the regular activities.

The Knowledge Station is also home to the 'Vale Música Serra' program. This initiative is designed to support musical education actions for students from the public school system in Espírito Santo. The project includes an orchestra and a youth chamber group, symphony band, junior choir and a jazz band.

Since April, the Serra Knowledge Station has been putting the Scientific and Technological Education program into practice, thus bringing together the axes of Culture, Educational Sport and Entrepreneurship, and offering comprehensive training for children and adolescents to experience their independence and citizenship. During this period, those visiting the institution developed a range of science and technology projects.

The climax of these actions came in July, with the "*Festa do Céu*" ("Sky Party"), when the children and adolescents demonstrated what they had learned on the Astronomy and Rocket Science Course. Inspired by the solar system, the program included dance and theater presentations by the children and adolescents as well as the launching of their rockets. Around 600 people participated in the event, including the families of those who took part in the program.

The Serra Knowledge Station also hosted the 1st Science and Technology Fair, on July 19, focused on children and adolescents (aged between 6 and 18) benefiting from the facility and on the community. The 200 people who attended the event had the opportunity to visit the center and interact with the experiments presented on the stands. Of special note amongst the projects were a balloon rocket demonstrating Newton's third law of motion, a paper rocket, energized motors and the launching of PET bottle rockets. The public also enjoyed themselves in the interactive and sensory rooms, taking part in the 'galactic challenge' and watching short films about astronomy.



Rio de Janeiro

Results of the projects

Education

- **19,700 students** benefited
- **273 professionals** trained
- **85 education units** supported
- **1,800 items** donated to education units

Health Care and Social Protection

- **28 UBS** supported
- **88,9 million SUS or SUAS users** benefited
- **357 items** donated to UBS or CRAS
- **16 CRAS** supported
- **570 professionals** trained



Literacy Trails

Held in partnership with the Educational Community (Cedac) and the Municipal Education Departments, the Literacy Trails aim to ensure full literacy for children in the 1st to 3rd grades of public primary school. In Itaguaí and Mangaratiba, the initiative involved 11,235 students from 61 schools. The project forms a part of two other initiatives making up the Education and Healthcare Program: the Social Protection Health Cycle and the Networked Territories initiatives, which are in the implementation phase in both towns.

More than 11,000 students from the 1st to 3rd grades of Primary School **benefited from the program**



Networked Territories

2022, saw the first steps being taken in the implementation of the Networked Territories project in Itaguaí and Mangaratiba. Aiming to guarantee the right to education, the initiative performed socio-regional analyses, which are now being shared with the municipal departments before work begins in the field.

The Networked Territories methodology

The Networked Territories project is an initiative developed by the Vale Foundation, in partnership with Cidade Escola Aprendiz and the municipal governments, which works to identify those children and adolescents aged between 4 and 17 who are not attending school or are at risk of doing so and bring them back in.

The methodology of the project is based upon six structuring strategies: socio-regional analyses; constitution of an inter-sectoral committee made up of the Departments of Education, Health, Social Welfare and others with operations connected to the issues identified in the analysis and field work; active school search activities; communication with the community; monitoring, assessment and training of public authorities focused on use of the methodology and support for the formulation of ongoing prevention policies; and actions designed to tackle the inability to attend school in the municipalities.

The project has been implemented in 16 municipalities in four states: in Pará (Bom Jesus do Tocantins, Canaã dos Carajás, Eldorado do Carajás, Marabá, Ourilândia do Norte, Parauapebas and Tucumã), in Minas Gerais (Aimorés,

Conselheiro Pena, Governador Valadares, Resplendor and Tumiritinga), in Espírito Santo (Cariacica and Serra), and in Rio de Janeiro (Itaguaí and Mangaratiba). Since 2020, jointly together with the public authorities and local social organizations, 10,754 children and adolescents were identified as not attending school or at risk of dropping out, of whom 9,584 were enrolled or brought back to school. In order to manage this, 34,587 home visits were made, as were 22,590 telephone calls and 39,275 actions to monitor the relevant families, so as to create the necessary conditions for their children to continue their school studies.

The Networked Territories project demonstrates that ensuring the right to education of every child and adolescent in Brazil today necessarily means (more than ever) understanding this right as being inseparable from the other social rights. As such, the inter-sectoral articulation and direct action in the regions, identifying and supporting the families with responses to the challenges that prevent the children and adolescents from attending school are urgent. This is what Cidade Escola Aprendiz, with the support of the Vale Foundation, and in partnership with the public departments, have

succeeded in doing in these regions. We hope that this experience shows that tackling the failure or inability to attend school should become a firm commitment throughout the country. The context involving the great number of hardships that our children and young people are forced to undergo these days imposes an ethical imperative on us: there is no time to lose.

Natacha Costa

Executive Director of *Cidade Escola Aprendiz*



Social Protection Health Cycle

In 2022, focusing on primary health care and social welfare and protection to form the basis for the Vale Foundation's Education and Healthcare Program, the project operated in 28 UBS, 15 CRAS, and delivered 357 items, including furniture and equipment needed by the education and healthcare networks. It is estimated that 90,000 SUS or SUAS patients have benefited from the initiatives in the municipalities of Itaguaí and Mangaratiba. In the latter town, the project provided a digital map of all the region's Primary Care, showing the area covered by the Strategic Family Health Care (ESF) teams. This tool has contributed to the reorganization of the teams, by defining, for example, new health units that should be opened due to the enormous land areas currently being attended by some of the ESF teams.



Literary routes and networks

In Itaguaí, the "Literary Trip", held on July 14, in the gymnasium of the Padre Rafaela Scarfó Municipal School, was the final training session in this program designed to encourage reading habits. Over the course of the project, which lasted two years, 30 professionals took part in workshops and training seminars, with more than 12,000 students from 25 schools being encouraged to explore the world of literature.



Now having been concluded in Itaguaí, the **Literary Routes and Networks project covered two years**



Projects Glossary



AGIR

The Program to Support and Increase Income Generation promoted the development of businesses that lead to greater inclusion and improvement of the participants’ living conditions. Focused on associations, cooperatives and both formal and informal production groups, it offers training, technical support and mentoring in financial management, governance, formal business practices, production, marketing and sales. In 2022, the program contributed with actions in Açailândia (MA), Cariacica (ES) and Corumbá (MS).

Social Protection Health Cycle

When the Vale Foundation asked itself how it could help improve public health care, it realized that a good start would be to invest in basic health care units, this being the gateway to the national health service – ‘SUS’. The health problems suffered by eighty out of every 100 people are resolved at UBS centers where they are welcomed and receive attention and information from a knowledgeable and trained team. Through a series of partnerships with the municipal health departments, investors and the Health Care Promotion Center (Cedaps), the Foundation increased its training for professionals working with first aid, prevention, and the promotion of health care, and it has modernized the units, guaranteeing instruments and equipment that can contribute to improving diagnostic processes and clinical practices. As of 2022, social welfare was incorporated into the project, encouraging the culture of inter-sectoral activity and helping to improve the social and health care indicators (*‘Previne Brasil’*).

Inclusive Education

This program helps children and adolescents with disabilities or specific learning requirements to fully participate in society. This is the backbone of the Inclusive Education program. Together with the *Agência de Iniciativas Cidades* (AIC), the program supports the public education system with the aim of improving the quality of special education services. This support extends to the provision of training for the technical team and to equipping the multi-functional resource classrooms for students with disabilities, global development disorders, or who are highly gifted, and who are enrolled in the municipal education system.

Infant Education

Created for the most crucial phase of childhood development, from birth to five years of age, this program aims to increase the possibilities of educational and pedagogical activities that can benefit the development of children’s motor, cognitive, social and sensory skills. The initiative receives support from the partnerships with *Avante* and *Solidariedade França-Brasil* in the training of education professionals and equipping the Early Childhood Education spaces in municipal schools. Included in this program in 2022 were the towns of Mangaratiba (RJ), Resplendor and Tumiritinga (MG).

Pursuing Sciences

Every child is curious. The ‘Pursuing Sciences’ program, in Itabira, encourages this curiosity by reinforcing the teaching of science and mathematics in the municipal education system. In partnership with the Municipal Education Department and the Educational Community (Cedac), the aim is to encourage the students to take control of their own learning and discover the pleasure of investigation and discovery during the process. Two pillars support the activities of this project: the systematic training of the education system’s teachers, administrators and pedagogical coordinators, and supplying the schools and students with interesting content and materials.

Inova Up

The idea of this project is to create an ecosystem of young entrepreneurs focused on sustainability, guide them in setting up their own companies, and monitor their development over the first three months in operation. Implemented by the Entrepreneurship Center of the Amazon Region and using funds provided by Wheaton Precious Metals (a partner investor), the initiative has already assisted in the creation of startups in three municipalities in the southeast of Pará state: Canaã dos Carajás, Marabá and Parauapebas.

Rural Development Center

Focused on the creation of a Center of Excellence in Permaculture and Bioconstruction, the Rural Development Center forms part of the Arari Knowledge Station in Pará. Its aim is to promote and generate solutions for sustainable family farming in the neighboring communities. With support from the Vale Foundation in partnership with Mandú Inovação Social, it provides technical assistance and rural extension in the production process, strengthening food safety and improving the income of the families involved.

Network + Income

This is one of the Vale Foundation's initiatives that contributes to driving productive inclusion and providing people with a better standard of living. The cooperative was founded to provide continuity to the actions that began as an emergency action in the form of the ‘Masks + Income’ project which supported seamstresses and craftswomen in all the regions where Vale has operations at the peak of the pandemic. With the advanced training provided by the ‘*Escola de Negócios das Artesãs*’ (Craftswomen’s Business School), this network of women increased their understandings of entrepreneurship and gained experience in order to be able to market and sell their products through the use of the website www.pertinhodecasa.com.br. There are now 1,739 women involved in the program.

Enterprise Network

This online platform connects social businesses, consumers and supporters who wish to increase their management knowledge. Developed by the Vale Foundation in partnership with Mandú Inovação Social, it was launched in 2021 to continue supporting entrepreneurs involved in the income generation projects. Throughout the country, 53 people received support.

Knowledge Stations

These are spaces dedicated to education, culture and sports, providing extracurricular activities for children and adolescents aged between 6 and 17. The program includes classes in languages, digital media, theater, dance, soccer, athletics and swimming, amongst other activities. Reading and audiovisual rooms and collections are also made available. The general vision of this political-pedagogical project is to contribute to the comprehensive development of the students, promoting social inclusion, creativity and innovation whilst recognizing and appreciating regional characteristics. A multi-disciplinary team also monitors the children and their families in relation to their nutritional, psychological, medical and dental health. There are five Knowledge Stations in the municipalities of Arari (MA), Brumadinho (MG), Serra (ES), Marabá and Tucumã (PA).

Women of Maranhão Network

Founded seven years ago, the central objective of this network is to improve the living conditions of the women who sold their products to passengers on the Carajás Railroad through the train windows. With the modernization of the train in 2015, the windows were sealed shut and these women lost their main source of income. The partnership between the Vale Foundation, Mandú Inovação Social and Wheaton Precious Metals (investor), through the AGIR program, allowed for this business to be restructured considering the new conditions and encouraged the formation of the collective. The sales started taking place through digital channels and participation in the Sebrae Trade Fair, incentive notices and fund raising. The cooperative is currently made up of entrepreneurs and babassu coconut crushers.

Literary Routes and Networks

More books, more libraries but, above all, more reading. This is the main target of the Literary Routes and Networks project: to promote access to books and reading. With this at its core, the project works to both increase the book collections and creation of reading rooms in schools, and train educators in encouraging reading.

Educational Territories

As well as not attending school, there are children and adolescents having to live on the streets, who travel illegally on the EFC trains and suffer domestic abuse. The Educational Territories project was established as an offshoot of the Marabá Networked Territories Project in Pará, and is focused on cases where the social situations highlight the need for urgent actions to prevent even more serious consequences.

Networked Territories

The Networked Territories project uses the expertise of Cidade Escola Aprendiz and its method of “actively searching” for students, whilst connecting with schools and public authorities in actions which, once the reason for non-attendance at school has been established, allow the problem to be faced and for the student to be brought back into the educational system. The progress of the project in the different regions can be checked online at: territoriosemrede.org.br.

Literacy Trails

Undertaken in partnership with the Getulio Vargas Foundation and the municipal education departments, the Literacy Trails project aims to ensure full literacy for children in the 1st to 3rd grades of public primary school. The pilot project was first established in Maranhão and, as of 2022, has been implemented in Pará and the South and Southeastern regions.

Credits

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