



Biodiversity Loss and Climate Change are also Gender Issues

Stories of 13 Women Fighting the Effects of Climate Change and Biodiversity Loss in Latin America

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

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INTERNATIONAL CLIMATE INITIATIVE



PREFACE

The adverse effects of climate change continue to disproportionately affect women. However, amidst this crisis, there are countless inspirational stories of women committed to safeguarding biodiversity and advocating for a resilient and sustainable future.

In this series we explore thirteen stories of women across Latin America, from Mexico to Bolivia, who are asserting their rights and taking on leadership roles in ecosystem based adaptation within their local communities.

The stories are highlighting the motivation of these women, showcasing their ability to overcome obstacles, demonstrated innovation and make positive contributions to their communities. Hailing from diverse cultural backgrounds and residing in various ecosystems - including coastal regions, arid corridors, forests, the Amazon basin, and the Andean Mountains - these women share common goals. They are working tirelessly to protect and restore ecosystems, raise environmental awareness within their communities, and implement sustainable solutions and practices that serve as an inspiration to others:

- 🌱 They are all leaders in the community.
- 🌱 They adopt an integrated approach to protect water resources, thereby enhancing water security.
- 🌱 They conserve, promote, and share ancestral and local knowledge.
- 🌱 They engage in environmental education within their communities.
- 🌱 They undertake eco-friendly agricultural practices that safeguard ecosystems while generating economic benefits.
- 🌱 They motivate other women to actively engage in decision-making processes aimed at addressing climate change and biodiversity loss.

It is crucial to listen to their voices and learn from their successes, as they demonstrate that a world focused on justice, biodiversity protection, and the resilience of livelihoods is both possible and essential.

WOMEN IN LATIN AMERICA WHO ARE FIGHTING CLIMATE CHANGE AND CARING FOR THE ENVIRONMENT



TABLE OF CONTENTS

PREPARING FOR RESILIENCE	6
Ana Rodas: her Journey towards Sustainability	
FRIENDLY CROPS	10
Trinidad Franco: Paving the Way for a Sustainable Environment	
SEEDING CHANGE	14
Delma Díaz: a Transformative Leadership for the Women of Cereté	
FROM THE FIELD FOR POLICY MAKING	20
Nelly Antonia Velandia: Uniting the Voices of Rural Women for a Sustainable Future	
WATER PROTECTOR	24
Roxelia Vargas Vargas and the Suerre ASADA, a Successful Partnership for Water Security	
HEROINE OF THE SEA	28
Silvia Campos: with Commitment in her Blood and the Gulf in her Heart	
SHUAR WOMEN PRESERVING THEIR CULTURE AND FOREST	32
Tarcila Ankuash Shacay: Getting more Women to Protect the Forest	
FOR EQUALITY AND CONSERVATION	36
María Florencia Pichisaca Pichazaca: Bringing together Women's Rights and Environmental Protection	
FINANCIAL INCLUSION FOR COMMUNITY	40
Ligia Sánchez Zambrano: Training Women and Young People in Resilient Finance and Entrepreneurship	
RESCUING BIODIVERSITY WITH ANCESTRAL TRADITIONS AND SUSTAINABLE INNOVATIONS	44
María María Cristina Par Tuluxan: Leading Changes in a Quiché Community	
WATER HARVESTING FOR THE SEMI-DESERT	48
Ana Paola Rangel: a Young Leader Making Changes in Guanajuato	
RESTORING OUR RIVERS	52
Perseida Tenorio Toledo: Promoting Ecotechnologies in Oaxaca	
CRAFT THAT SHAPES A SUSTAINABLE FUTURE	56
Yolanda Osorio Yunca: Guardian of the Wetlands	



Ana Rodas

PREPARING FOR RESILIENCE

Ana Rodas: her Journey towards Sustainability

Ana grew up in the valleys of southern Bolivia, where she has been involved in agriculture and beekeeping since she was a young child. Since the age of 14, Ana has actively participated in her father's labor union, establishing herself as a leader in her community throughout her life. Since 2020, she has been president of the Río Azero Watershed Community Council. She lives in the Municipality of El Villar, in the Azero watershed, in Chuquisaca, where, in addition to her work in the union and in agricultural production, she is a mother.



Ana during her beekeeping activities in the basin

MOTIVATION

Ana comes from a long line of smallholder farmers and promotes beekeeping in her community. Listening to her community and understanding their needs inspired her to access training and participate in decision-making bodies, especially in natural resources management.

7

CONTEXT

In the Río Azero watershed, the effects of climate change have become visible with prolonged droughts or floods that seriously affect agriculture and beekeeping, impacting these economic activities and people's livelihoods.

The rainy season brings large amounts of water that affect the crops, but it also allows the creation of reservoirs that help combat drought in the summer. Our communities are working for the protection and restoration of wetlands, forests, and native plants.

It is crucial to strengthen water management in the watershed through local community participation.

“The primary concern for our sisters and brothers in agriculture is to improve production; without water, there is no produce. This is why we are looking to improve water usage, drip- and sprinkler irrigation, as well as water harvesting to ensure high productivity and improve our family's income. As a leader, I am responsible for helping my community implement the Río Azero Watershed Management Plan and support access to water resources.”



River Azero Watershed

8

Ana during her beekeeping activities in the basin



ACTIONS

- 🌿 Watershed protection activities are planned in a participatory manner on the Azero watershed multi-stakeholder platform.
- 🌿 The Community Council is part of the multi-stakeholder platform. Through active participation, Ana promotes projects to improve water security.
- 🌿 The main goal is to secure water quantity and quality for the entire watershed.
- 🌿 Together with local and national stakeholders, Ana worked on the preparation and approval of the Azero watershed plan, which identifies water security needs and is in implementation.

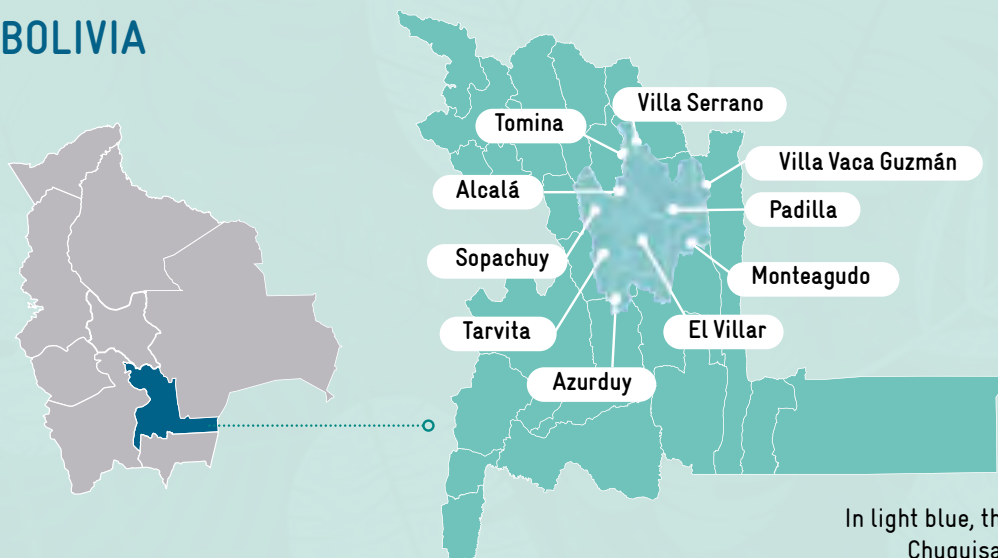
ACHIEVEMENTS

The implementation of the Río Azero Watershed Management Plan has allowed to:

- 🌿 Harvest rainwater in tanks to better cope with droughts.
- 🌿 Improve irrigation efficiency to increase productivity and reduce water losses.
- 🌿 Reforest 1,000 hectares, securing water availability, and enhancing climate resilience and biodiversity conservation.
- 🌿 Work in a joint and participatory manner to ensure the sustainable management of water and natural resources.

More information: [Let's work together for our basin](#)

BOLIVIA



In light blue, the Río Azero watershed,
Chuquisaca Department, Bolivia

Ana in the Azero river basin

9

"If we women put our minds to it, we can
succeed in any field; but we must be
determined; we cannot fall behind."

FRIENDLY CROPS

Trinidad Franco: Paving the Way for a Sustainable Environment

Trinidad is a young farmer from the Carachimayu Norte community in the valleys of Tarija, in southern Bolivia. Since her childhood, she joined her father in agricultural activities, which have now become one of her main activities.

As she grew older, she sought training to improve crop cultivation and food production. She joined the Association for Development in Agroecological Zones (ADEZA), an organization of women agronomists in Tarija.



Trinidad shows the results of its harvest

MOTIVATION

Trinidad became interested in organic farming because she realized it was healthier and friendlier for the environment. When her father applied chemical fertilizers, she observed that the soil consistently hardened, earthworms died, and planting and harvesting became more challenging.

As soon as she started using macerates and organic fertilizers, not only did production improve, but soil also became softer. The waiting period between two harvests was shorter, and overall enhanced soil health increased crop yields.

Trinidad's search to improve her farming practices led her to specialize and share her knowledge with her community.

CONTEXT

The use of agrochemicals affects at least 4,500 families in the Guadalquivir watershed. These substances contaminate water resources, and their prolonged use reduces soil fertility and increases the time for the land to become arable again.

To improve watershed management, local communities promoted engagement in multi-stakeholder platforms and spaces for consultation and dialogue. These bodies promote projects that improve natural resource management with more efficient irrigation systems and environmentally friendly agriculture practices.

The project PROCUENCA (GIZ) promoted the consolidation of the interinstitutional platform in the Guadalquivir watershed.



Preparing natural fertilizers



Trinidad shows the fertilizer it produces and the results of its harvest.

ACTIONS

- 🌱 In 2005, Trinidad began making organic fertilizer and applying it to her crops.
- 🌱 The evidence of land reclamation motivated her to continue training.
- 🌱 She held community meetings, primarily for women, to teach the techniques of her preparation and organic methods.
- 🌱 The production of organic plant fertilizers has become a primary source of income for these women, enabling them to achieve economic independence.
- 🌱 As a member of ADEZA, in 2021, Trinidad became part of the multi-stakeholder platform of the Guadalquivir watershed.

Organic fertilizer
maceration



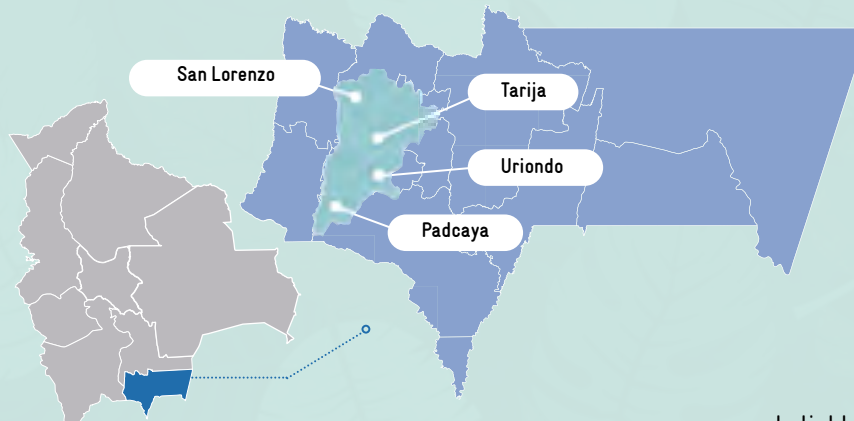
ACHIEVEMENTS

- 🌱 Good agricultural practices and the use of bioinputs have increased environmental conservation.
- 🌱 Crop diversification has led to an increase in economic income.
- 🌱 Promotion of a group of women who are engaged in organic farming.
- 🌱 Fostering local female leadership.
- 🌱 The community participates in the management and use of natural resources at the watershed level.

More information:

[Women of the Guadalquivir River Basin- Buenas prácticas. Good Practices and Lessons - PROCUENCA \(bivica.org\)](#)

BOLIVIA



In light blue, the Guadalquivir watershed,
Tarija Department, Bolivia

13

"It has taken me many years to recover the land; now I like organic farming because it is a healthy production, environmentally friendly, and the products are sweeter."



Delma Díaz Martínez

14

SEEDING CHANGE

Delma Díaz: a Transformative Leadership for the Women of Cereté

Delma lives in the community of Rabolargo, Cereté Municipality, Córdoba department, in northern Colombia.

She is a leader who transformed her community by bringing 50 women together and founding the Association of Enterprising Farmer Women of Rabolargo, AMCER (2020, during the global pandemic). AMCER focuses on harnessing local produce and offering new opportunities to women through sustainable corn cultivation. This has empowered them and strengthened the regional economy.



Delma during the corn harvest

MOTIVATION

As a member of ASUCAR (Association of farmer users of Rabolargo), Delma participated in the ProNDC (Program to support compliance with climate targets). This has enabled her to better understand climate change and to improve her own agricultural practices, adapting her crops and productive practices to new climatic conditions.

15

“Women have different needs than men in terms of climate change adaptation and mitigation actions. That’s why we have decided to organize ourselves as AMCER and participate in the ProNDC, based on our unique perspectives and contributions as women.”

They have faced many challenges, such as lack of land access, parallel domestic responsibilities, and male dominance within the agricultural sector. Both community support and the program itself have made it possible to overcome those challenges and become actively involved in climate initiatives, strengthening women’s leadership.

CONTEXT

Cereté and other parts of the Colombian Caribbean are marked by armed conflict and displacement. Moreover, there were significant transformations due to the expansion of livestock farming, which increased deforestation and affected soil quality. Due to climate change, rains and droughts have worsened, and corn, a pillar of the local economy, is part of a value chain that generates greenhouse gases (GHG).

To recover the Playón Comunal, El Vichal’s wetland, the state granted Rabolargo’s community 200 hectares for production and 62 hectares for conservation. Upon receiving these and set to addressing lack of food during the pandemic, the women of AMCER decided to recover traditional crops and use sustainable practices for soil protection, preventing erosion, and reducing GHG emissions.





Girls, boys, and young people participate and are trained in the conservation of the territory



Logo of the Brand created by AMCER

ROLE

Delma not only led the group of 50 women of different ages and various roles, but she also sought the support of unions, the government, the National Learning Service (aimed at technical training for adults), and other entities, thus expanding the scope and impact of her original project.

“Delma’s leadership at AMCER was crucial in integrating the gender perspective into the ProNDC. Her determination turned the process into a pilot for the National Gender and Climate Change Plan, demonstrating how rural women effectively implement climate adaptation and mitigation actions.”

Marcela Rodríguez Salguero (ProNDC)



Women of different ages and roles are part of AMCER

ACTIONS

17

AMCER has identified, planned, and implemented both adaptation and mitigation measures:

- Strengthening understanding of climate change in rural areas and its differential impact on women and girls given their roles and socioeconomic circumstances.
- Methodologies and tools to comprehend climate information and its impact on crops.
- Workshops focusing on the application of low-impact biofertilizers, enhancing tillage methods, and rotating corn with cowpea
- Organizational strengthening addressing administrative, technical, and communication issues, as well as exploring various options for service provision.
- Support and input for the construction of the National Gender and Climate Change Plan, based on their experiences and achievements.

More information [here](#)



Delma promotes the participation of children to generate processes of appropriation and recovery of traditional knowledge.



Pumpkin is one of the products that allows for year-round harvests; when combined with corn and beans, it provides resources for your food supply.

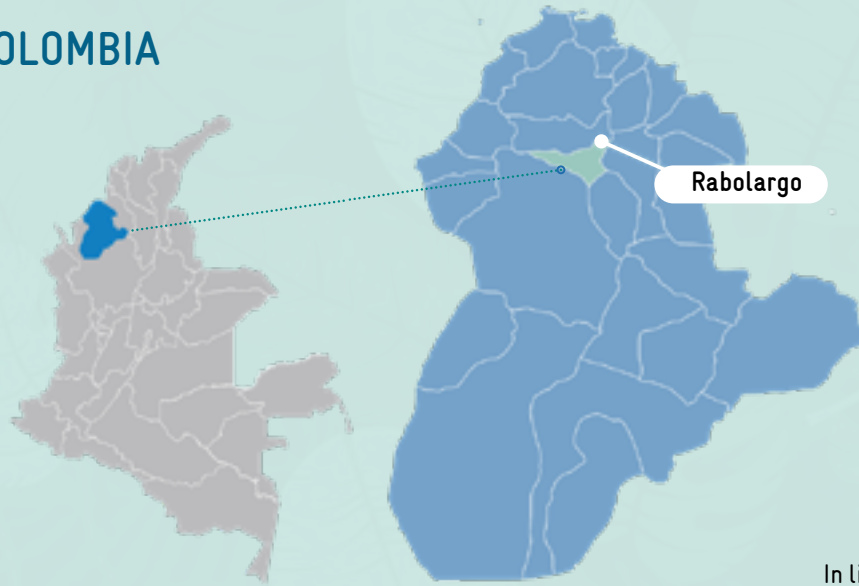
ACHIEVEMENTS

- Successful sustainable practices in the corn productive chain improved the soil's resilience to climate change and reduced the overall environmental impact.
- Short term increases in crop yields show the effectiveness of climate adaptation measures.
- Strengthening AMCER, empowering women to act on climate challenges from their roles as caregivers, managers, cultivators, and multipliers.
- Youth participation and training in land conservation have increased.
- In 2024, AMCER established its own brand to market its products.
- AMCER has been able to join new GIZ projects (2024-2025), thus strengthening its sustainability.

LESSONS LEARNED

Women are essential to the success of projects. Participatory planning ensures that measures are effective and sustainable. Integrating local processes into policy formulation ensures that policies are more relevant and strategic, considering the diverse realities across the territory and the country itself.

COLOMBIA



In light blue, the Córdoba Department,
Colombia

"Let's believe in our strength and capability when we truly want something. Yes, we can change our way of seeing things. United, we can achieve everything, even what we thought was impossible."

By working properly and involving our community, we can rescue our nature—the one we grew up with, and that made us dream of playing in the rain and watching the sunset.

Fighting climate change is worth it, especially with the support of projects like ProNDC that truly believe in us."





Nelly Antonia Velandia

FROM THE FIELD FOR POLICY MAKING

Nelly Antonia Velandia: Uniting the Voices of Rural Women for a Sustainable Future

Nelly lives in the Municipality of Nuevo Colón in the department of Boyacá, Colombia. She studied social sciences at the Universidad Distrital and has more than 30 years of experience defending the rights of women farmers through the National Association of Peasant, Black, and Indigenous Women (ANMUCIC), a non-profit trade union and gender organization that aims to improve the quality of life for rural women. She has served as president since 2016.



Climate Dialogues Document, Gender and Climate Change Action Plan, Colombia (2020)

MOTIVATION

Nelly found her motivation to fight climate change after facing devastating crop losses and health problems. Experiences such as a hailstorm that wiped out her annual fruit harvest, a frost that destroyed hectares of potato crops, and a heat stroke that caused her to develop pre-cancer led her to realize that her story reflected that of many women in her community and in the country's fields.

Through her leadership in ANMUCIC, she unites the diverse voices of women in Colombia to shape climate change and biodiversity policies.

CONTEXT

The Boyacá region has been suffering the ravages of climate change for years: sudden hailstorms, severe frosts, and intense sunshine that devastate crops and affect the health of people in the countryside. The lack of rural women's participation in environmental and agricultural policy decision-making processes exacerbates the effects.

When Nelly joined ANMUCIC in the 1980s, women faced systemic discrimination in land ownership. For instance, the exclusive granting of land titles to men left women vulnerable, particularly in situations of separation or widowhood.

Nelly then understood that it was urgent to promote actions against climate change, seeking not only to mitigate its impacts but also to empower rural women while doing so.

Nelly and other women leaders sharing their experiences during the construction of Colombia's Gender and Climate Change Action Plan





Nelly and other women leaders sharing experiences during the process of updating the Biodiversity Action Plan (2024)

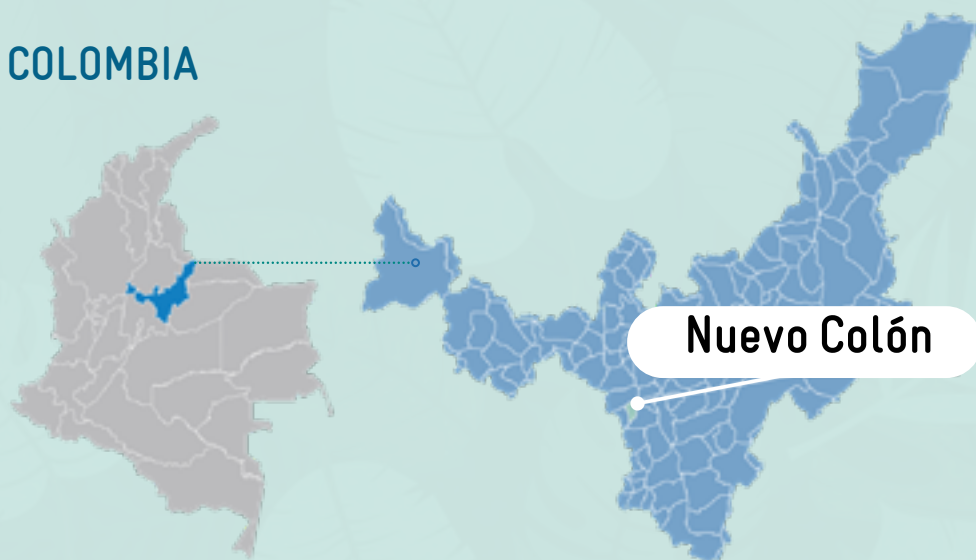
ACTIONS

- 🌱 Nelly was responsible for the planning and execution of both virtual and face-to-face regional dialogues with various women's organizations and associations, including both indigenous and non-indigenous, afro-descendant, fisherwomen, and peasant women, among others.
- 🌱 Provide inputs for Colombia's Gender and Climate Change Action Plan (2020). 350 women leaders actively participated, representing over 35,000 women, collaborating with the Ministry of Environment, and receiving backing from GIZ and UNDP.
- 🌱 Introduce a gender perspective in Colombia's Biodiversity Action Plan (2024). This involved the direct participation of 500 women leaders and 50 women's organizations, representing over 50,000 women, and was developed in coordination with the Ministry of Environment, with support from GIZ, UNDP, and Fundación Natura.

ACHIEVEMENTS

- 🌱 Capacity building: within exchange spaces, leadership skills were strengthened, and proposals were generated to respond to climate change and enhance biodiversity conservation.
- 🌱 Full and effective participation: The promotion of women's active participation led to a deeper comprehension of their role in biodiversity conservation.
- 🌱 Integrated territorial diversity: experiences unification and articulation while also integrating the needs of women from different regions.
- 🌱 The impact on public policies directly influences the formulation of national policies on gender, climate change, and biodiversity.
- 🌱 Strengthening grassroots organizations.

COLOMBIA



Nuevo Colón

In blue, the Bocoyá department,
Colombia

Nelly and other women leaders sharing their experiences during the construction of Colombia's Gender and Climate Change Action Plan.

"It is important to recognize the different realities and commitments of women from the territories." Understanding these realities strengthens our advocacy efforts and enables us to develop plans with a distinct and territorial focus. It is crucial for the country to have this opportunity to reach those who are most in need—those who are suffering due to the impacts of climate change. The invitation is to continue working together."

23

A portrait of Roxelia Vargas Vargas, a woman with dark hair and glasses, wearing a light blue polo shirt. She is smiling and looking towards the camera. The background is a lush green forest. A teal banner at the top left contains her name.

Roxelia Vargas Vargas

24

WATER PROTECTOR

Roxelia Vargas Vargas and the Suerre ASADA, a Successful Partnership for Water Security

Roxelia lives in Pococí, a rural county in the province of Limón, Costa Rica. Since arriving there in 2010, she has worked with outstanding dedication at the Administrating Association of Sewers and Aqueducts (ASADA) Suerre, where she is the current administrator.

She has helped improve the ASADA's integrated water resources management through promoting sustainable finance for potable water services, aquifer recharge, and source water protection zones to increase water security in the Suerre community.



Roxelia working with the Suerre community.

MOTIVATION

One of Roxelia's biggest motivations is to make a meaningful difference in her community and in people's lives.

25

“I like to motivate people who want to go the extra mile and who can offer things to support the community.”

She approached the ASADA for support in financial management and, over time, helped strengthen its operation. This led her to discover the potential of community-led aqueducts in encouraging participation in integrated water resources management and achieving better results. She also contributed her experience on the Board of Directors, gaining knowledge about topics such as source water, infrastructure needs, and coping with climate change. Thus began her fight for the environment, cultural development, and water security.

CONTEXT

Climate change affects the Pococí county, causing floods, landslides, droughts, and strong heat waves. Periods of droughts and high agricultural water demand pose challenges to securing water supply for several communities, including Suerre.

Roxelia, one of the leaders of the ASADA today, understands the importance of preventing extreme events from occurring more frequently. Therefore, she promotes training and improvement plans for the aqueduct structures to ensure a sustained water supply and avoid service interruptions.





Colaborando con el plan de riesgo del acueducto de Buenos Aires

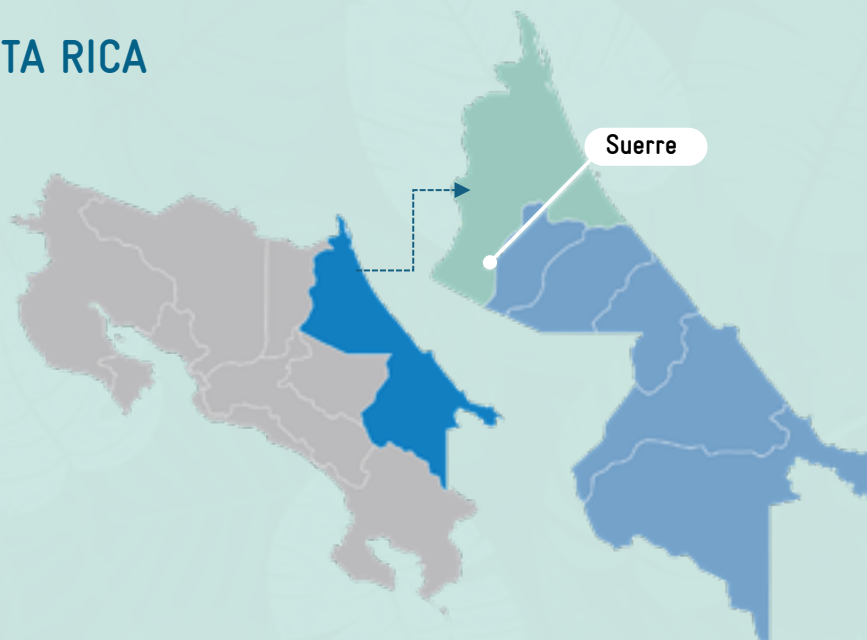
ACTIONS

- The ASADA established partnerships with environmental education schools and universities to draw in volunteers, technologies, and innovation.
- The ASADA's team is trained on sustainable financial management.
- Community collaboration and partnerships for initiatives like reforestation, safeguarding springs and water recharge areas, restoring wetland ecosystems, cleaning up rivers, and managing solid waste, among other things.
- Roxelia shared her knowledge with other community water managers and promoted the active participation of women, making their voices heard and having a presence in decision-making within their communities.

ACHIEVEMENTS

- The ASADA has formulated Water Safety Plans and secured funds for source water protection to supply the 5,600 people in the community and even reach other communities in case of need.
- Suerre has implemented storage tanks to reduce water service interruptions.
- A weather station has been installed in the community for climate monitoring.
- The ASADA has strengthened its team's capacities, particularly in financial management, and now has its own building.
- Community resilience to hazards such as droughts and floods has increased.

COSTA RICA



In light blue, the Pococí county, Limón, Costa Rica

Roxelia in the Suerre ASADA

"I tell women that they have to approach participation spaces and accompany the actions of the community. It is an opportunity to demonstrate women's potential and competences.

We think we are not ready, but we must not give up; we must work and generate confidence to make ourselves known and achieve a space. To be authentic, because with who we are, we have the capacity to show the good things we can do."

27



Regional project [Scaling-up ecosystem-based adaptation in rural Latin America](#) (EbALAC),
GIZ Costa Rica, on behalf of BMUV funded by IKI

Authors: Astrid Michels & Diana Ramírez. Photos: © GIZ Costa Rica EbALAC / Adriana Campos & © Asada Suerre

HEROINE OF THE SEA

**Silvia Campos: with Commitment in her Blood
and the Gulf in her Heart**

Silvia was born on Chira Island, in the Gulf of Nicoya - one of Costa Rica's largest estuaries and most vital artisanal fishing areas. A recognized leader, she is the founder of the Women's Association "Save the Gulf of Nicoya" and a dedicated protector of the region's marine fishing areas.

Silvia embodies pure commitment and conviction, teaching these values by example for 18 years. She is also the treasurer of the Board of Directors for the Local Fishermen's Committee of Puerto Níspero.



MOTIVATION

Raised in a family of fishermen, Silvia gained firsthand experience and understanding of the difficult situation faced by artisanal fishermen and women in the area, particularly the overexploitation of the Gulf of Nicoya due to illegal and poorly regulated fishing practices that have resulted in the disappearance of many species.

Her goal is to restore the Gulf of Nicoya and its fishing.

“I want to return to the way things were before. I come from a fishing family and have been going fishing since I was a child. I ask myself, What are we going to leave for future generations? We must do something now; that is my motivation and my commitment.”

CONTEXT

Since the 1990s, overfishing for the international market has increased significantly.

Climate change is manifesting in the Gulf of Nicoya through rising water temperatures, increased wave activity, coastal erosion, loss of coastal marine habitats, and a projected decline in productivity.

Land use changes have led to the contamination of the gulf with wastewater and agrochemicals, mangrove deforestation, ecosystem degradation, declining fish stocks, and affecting the available natural resources on which many coastal families depend, resulting in poverty and unemployment in the community.



Gulf of Nicoya

ACCIONES

- ✿ Silvia founded the Women's Association "Save the Gulf of Nicoya," which protects the area.
- ✿ She fought to ensure the culture and well-being of artisanal fishermen in the Gulf of Nicoya.
- ✿ She united more people to conserve biodiversity and protect coastal marine ecosystems.
- ✿ She participated in planning processes for the sustainable management of coastal resources in the Gulf of Nicoya.

ACHIEVEMENT

- ✿ Public awareness of the significance of preserving marine-coastal ecosystems and restoring mangroves for the welfare of fishing communities and marine biodiversity has grown.
- ✿ Artisanal fishing communities are adopting more sustainable and environmentally responsible fishing practices.
- ✿ Women's groups and fishing communities are working to protect the Gulf of Nicoya from illegal fishing.

COSTA RICA



In green, Chira Island,
in blue the Gulf of Nicoya Costa Rica

Mangroves in the Gulf of Nicoya

"Many women are already working, but we need more spaces for women's involvement. I would tell women not to be afraid and to fight for their convictions, no matter if it is exhausting or difficult. It has brought me harsh blows and animosities within the community, it has been worthwhile. If we don't take care of the Gulf and implement responsible practices, things will not improve."

SHUAR WOMEN PRESERVING THEIR CULTURE AND FOREST

Tarcila Ankuash Shacay: Getting more Women to Protect the Forest

Tarcila belongs to the Shuar People of the Ecuadorian Amazon. She is a farmer and lives in the “Kutuku Shaimi” protected forest in the south-central Morona Santiago Province. She has been part of the Tsapau Association since 2022, where she is a leader in the rescue and preservation of traditional knowledge, and she also works on subsistence agriculture. She is a mother of six sons and daughters and devotes herself to her association, the community, and her Aja (home garden).

More information [here](#)



Tarcila and her husband,
during an ancestral fishery activity

MOTIVATION

33

In Shuar culture, thanks to our knowledge and traditions, we grow in harmony with nature, and our cosmovision is and will remain our strength. However, adjusting to a globalized life has been difficult, as the introduction of trends and practices has led to the loss of our cultural identity. For instance, we have adopted agrochemicals that harm our Mother Nature and our health.

One reality within the association was that women leaders didn't have spaces for participation, and there was a lack of organization regarding roles and responsibilities. This motivated me to do what I do.

CONTEXT

The Shuars economic division of labor usually involves women caring for and maintaining the home garden, or Aja, and growing vegetables, fruits, and medicinal plants. Climate change and agricultural land fragmentation have affected the Aja and women for a few years.

Furthermore, government support is typically given directly to the community representative without considering the views and experiences of women, and it almost always consists of agrochemicals and 'improved' seeds—not the organic products we use to care for our gardens.

With the technical assistance of the BioValor program, Tarcila and other women from the community identified obstacles. They committed to a project that would support pollinators, endemic plant nurseries, forest structure, and, above all, strengthen the capacities of women and young people to revitalize the soil and achieve sustainable production.



Tarcila showing the importance of the Aja in a women's knowledge exchange event



Tarcila collecting Aja's produce

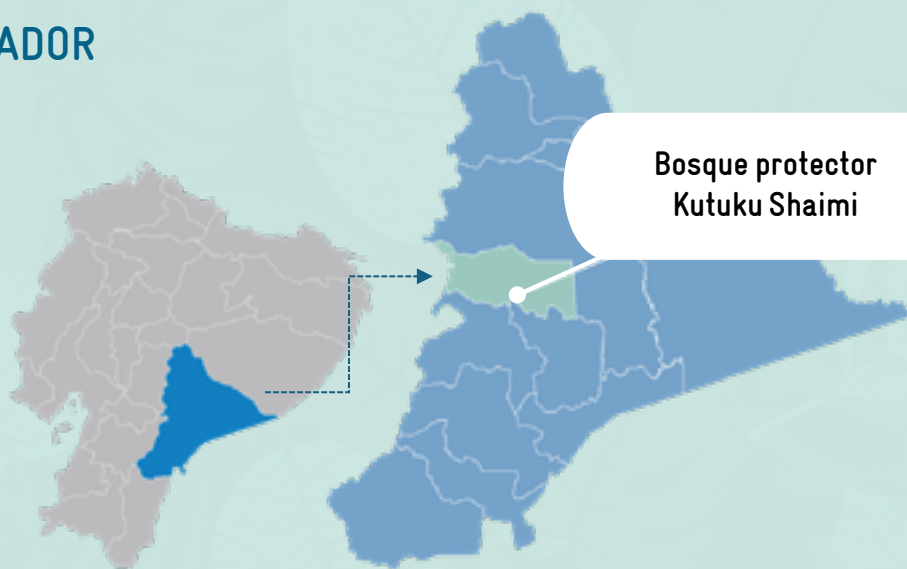
ACTIONS

- 🌿 In 2022, Tsapau and GIZ collaborated on a change project that focused on value chains, emphasizing the critical role and knowledge of women. Women determined the training session topics, approaches, and timetables based on their needs during the planning stage.
- 🌿 Through its program, Tsapau encourages women, young people, and elders to participate and take on leadership roles.
- 🌿 The Tsapau team participates in training sessions covering topics such as communication, sustainable production, governance, and more.
- 🌿 Tsapau receives support to participate in international trade fairs and business networking events with their products and proposals.
- 🌿 Regarding cultural identity, Tarcila encourages the Shuar language's revival through songs (Anents) and the traditional agricultural systems of Aja.

ACHIEVEMENTS

- 🌿 Women's productive role is being revalued, particularly in value chains that originate from the forest and the Aja.
- 🌿 Tsapau is renowned for its women-led work model that diversifies sources of income.
- 🌿 Tsapau operates with a living soil model and has a biofactory for organic fertilizer that provides the nutrients.
- 🌿 The national and local governments have stopped distributing agrochemicals and are supporting the biofactory in the production of fertilizers.
- 🌿 Tsapau has become a training center even for nearby communities.
- 🌿 Based on their model, they have secured two new sources of funding in the past year.

ECUADOR



Bosque protector
Kutuku Shaimi

In light blue, the province of Morona Santiago
Ecuador

Tarcila and her husband,
during an ancestral fishery activity

35

«There is a place where women's leadership is unquestioned: their garden, known as the Aja, a space where women breathe, connect, and give thanks to their deities, especially Nunkui (Mother Nature). I will continue to motivate more women to engage in agroforestry activities because caring for nature and producing sustainably brings us harmony.»

A portrait of a smiling woman, María Florencia Pichisaca Pichazaca, wearing traditional indigenous attire. She is wearing a wide-brimmed hat with a black band and a light-colored interior, a black shawl with a red ribbon tied at the waist, and a white blouse with intricate embroidery. She also wears multiple strands of red beaded necklaces and large silver earrings. The background is a blurred natural landscape with dry vegetation and hills.

María Florencia Pichisaca Pichazaca

FOR EQUALITY AND CONSERVATION

María Florencia Pichisaca Pichazaca: Bringing together Women's Rights and Environmental Protection

My name is Florencia, and I am 34 years old. I am Cañari, from the province of Cañar in southern Ecuador. I live in the Quilloac community with my mother and daughter, and I hold a degree in Nutrition. Currently, I am the president of TUCAYTA, an Indigenous and peasant organization that aims to promote rural development with identity, embracing a pluralistic and intercultural approach.

More information [here](#)



MOTIVATION

My inspiration to lead initiatives in TUCAYTA stems from living alongside my mother and daughter, three generations of women who have demonstrated that it is possible to break stereotypes and achieve greater levels of participation.

What motivates me is creating change in my community through justice, peace, and sustainable development, ensuring that all decisions include women's voices and protect our natural environment. To this end, I want to promote community projects, such as improving the irrigation system of Patococha Lagoon, our main water source.

CONTEXT

In my community, women face significant challenges, such as lack of representation in organizational decisions and political discrimination. Over the years, I have worked alongside other women to reduce inequalities and create a more equitable environment. My fight focuses on gender equality and environmental protection.

In Quilloac and other communities, biodiversity loss and moor degradation have severely affected water availability and impacted our food security. Unsustainable agricultural practices, like the excessive use of pesticides and other chemicals, have worsened the situation. These environmental issues are inseparable from our struggle for equality, as they directly impact our quality of life.



Lead ecosystem conservation actions in the field

ACTIONS

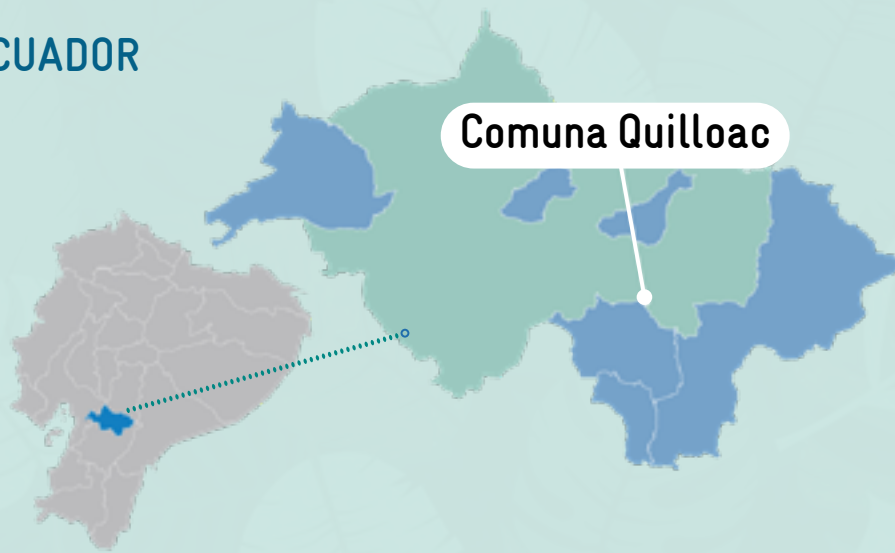
- 🌿 Land acquisition: I led the purchase of land to expand conservation areas and protect water resources, reducing animal pressure through voluntary agreements.
- 🌿 Moor protection: We implemented barbed wire fences with recycled posts to prevent livestock access, with support from the Mountains Program (GIZ) and our own resources.
- 🌿 Community mingas: We organized mingas on weekends, actively involving women from the community in environmental protection. This provided a space for participation and introduced a new concept to many.
- 🌿 Infrastructure: Investments were made to modernize the irrigation system and support the management of water resources.

ACHIEVEMENTS

- 🌿 The most significant achievement for me was becoming the first female president of TUCAYTA in the organization's 40-year history. We work for the well-being of the 8,300 inhabitants within our jurisdiction, across 15 communities, and with 4 agricultural production cooperatives.
- 🌿 I broke stereotypes and implemented a management model focused on Mother Earth and environmental protection, contributing to peace and progress in our community.
- 🌿 We succeeded in raising environmental awareness by acquiring land in moorland areas, which increased water availability, natural resources, and protected lands for the entire community.

ECUADOR

Comuna Quilloac



In light blue, the Cañar province in Ecuador



«To the women of my homeland and the world, I say that changing environmental awareness is not easy, and we cannot do it alone. We must start by improving ourselves and then come together to face the challenges that threaten our planet. We can't do nothing while the Earth is being destroyed.

Anything is possible when one is determined. I hope I have shared my experience from the cradle of Cañari identity, one of the many nations that make up the diversity of Ecuador. I send you a warm embrace of encouragement and affirm that yes, it can be done.»

First woman president of TUKUY CAÑARIS AYLLUKUNAPA TANTANAKUY-TUCAYTA, which means: Corporation of Cañaris Indigenous and Peasant Organizations

A woman with dark hair, smiling, wearing a blue jacket with a white and orange logo on the sleeve. She is positioned in front of a large, vibrant abstract painting featuring a figure in a red cloak and a large, stylized face in red and white.

Ligia Sánchez Zambrano

FINANCIAL INCLUSION FOR COMMUNITY

Ligia Sánchez Zambrano: Training Women and Young People in Resilient Finance and Entrepreneurship

Ligia lives in Portoviejo, the capital of Manabí province, Ecuador. She is an administrator and works as a trainer at FUNDER (Fundación Educativa Monseñor Cándido Rada).

As a key part of FUNDER's mission, Ligia provides training on finance and resilient entrepreneurship to vulnerable populations, especially young people and women who did not have access to formal education, to help them gain better economic and social opportunities and participate in the development and transformation of their communities.



In one of their daily foraging activities in the forest, a rural woman from Manabí, the mother and head of the family, is accompanied by her son.

MOTIVATION

From a young age, Ligia witnessed changes in her province: rapid urbanization, rural migration, deforestation, and the loss of water resources. Later, she observed that the knowledge gap and lack of property rights hindered women's access to financial resources and limited their ability to develop their own enterprises. She understood that women are more vulnerable to climate change.

She decided to provide training processes aimed at empowering women through sessions on the proper management of financial resources, climate change adaptation actions, and programs for agroecological production and sustainable land use. Ligia firmly believes that women's actions will promote rural resilience and bring about significant improvements.

CONTEXT

In Portoviejo, climate change is evident in recurring droughts and flooding cycles affecting agricultural activities, such as maize and cocoa production and livestock farming. Additionally, inadequate land management practices and agricultural expansion through deforestation have degraded wetlands and caused significant harm to nature.

“The greatest impact is rural, where resources like water, land, and the lungs of the planet are, which ensure food security for everyone.”

There is a need for sustainable natural and economic resource management and an understanding of the benefits of biodiversity protection.



Members from three local communities located in the northern landscape of the EbA LAC intervention area in Manabí are strengthening their associative efforts.

ACTIONS

- Economic empowerment: programs on financial education highlighting the significance of saving, and financial planning for resilient and green enterprises, with a focus on women's participation and leadership.
- Responsible investment with a commitment to environmental stewardship.
- Training on the effects of climate change on the financial status of rural communities, the significance of sustainable activities, and the processes of adaptation in these situations.
- Advising rural communities on the formation and operation of community saving groups, empowering women and youth to decide on saving and executing climate change adaptation strategies within their community.

ACHIEVEMENTS

- 160 families from various communities in the EbA LAC intervention area in Manabí have improved their economic management and well-being by enhancing their saving habits and investment in their family farms.
- Over 650 people will benefit from the establishment of eight community savings groups to address climate change emergencies in the community.
- Three community tree nurseries have strengthened their socio-organizational and financial management, improving production and food security for families.

ECUADOR



In light blue, Portoviejo county from the Manabí Province, Ecuador

Mujeres rurales reciben certificados de capacitación en cajas de ahorro comunitarias



«Women and youth, prepare yourselves and seize the opportunities. Seek out spaces; know that knowledge is power. In your daily and productive activities, as leaders or in other roles, women with knowledge bring continuous improvements for themselves and their surroundings. Be the source and guide of what happens and lead the way forward.»

A close-up portrait of a young woman, María Cristina Par Tuluxan, wearing a traditional Mayan Quiché headwrap with blue, red, and yellow stripes. She is looking directly at the camera with a slight smile. The background shows a field of tall, dry corn stalks under a clear blue sky.

María Cristina Par Tuluxan

RESCUING BIODIVERSITY WITH ANCESTRAL TRADITIONS AND SUSTAINABLE INNOVATIONS

María Cristina: Leading Changes in a Quiché Community

María Cristina is a Mayan quiché farmer from the Municipality of Santa Cruz de Quiché, Guatemala. She is 39 years old and has four children. Her passion for learning led her to find training in sustainable agricultural practices, combining this knowledge with what she inherited from her ancestors, and eventually becoming a promoter in her community. She has carried out this work with organizations such as the Rural Development Learning Center (CADER), the Municipal Commission for Food and Nutrition Security (COMUSAN), and the Municipal Office for Women (DMM).



Ma. Cristina in training on adaptation to climate change

MOTIVATION

In the face of rising prices for the basic food basket, caused by frequent droughts in the last 10 years, Ma. Cristina set out to overcome the economic challenges and did so from a special place: caring for the land and improving production.

With the support of the Ministry of Agriculture, Livestock, and Food, she learned about the importance of using available resources and adapting her production methods. This led her to revalue Ütz Ab'ix (good milpa)—an ancestral system that shares characteristics of agroforestry and uses local biodiversity—and combine it with sustainable technological innovations. Seeing improvements in soil conservation and native species, she decided to dedicate herself to sharing her knowledge.

CONTEXT

Santa Cruz de Quiché, as part of the so-called “Central American Dry Corridor,” experiences prolonged drought periods that reduce agricultural production, especially of staple crops like maize and beans, which are essential to the local diet.

The impact of climate change and biodiversity loss aggravates the situation and is reflected in the disappearance of medicinal plants and various food sources in the community.

These situations affect, above all, Quiché women because of their responsibilities for subsistence agriculture, food security, and family care.



Ma. Cristina in training activities

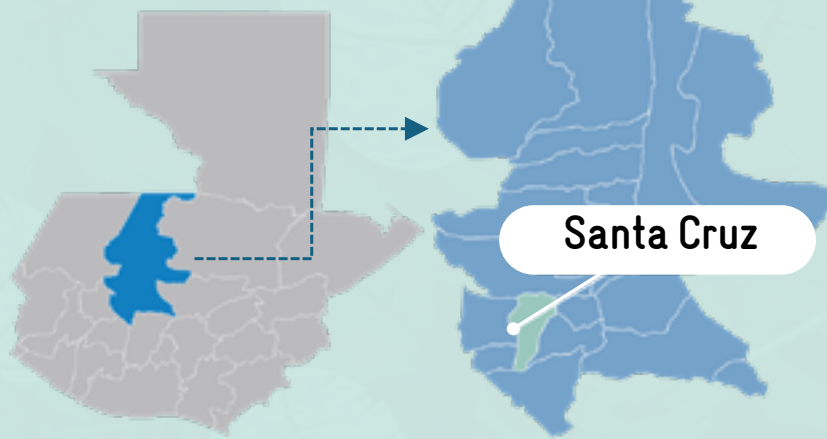
ACTIONS

- Since 2012, Cristina has led trainings for 60 women dedicated to facing the challenges of climate change by improving their agricultural practices.
- Adaptation and environmental protection strategies, such as preparing organic fertilizers, composting crop residues, and selecting the best seeds for more resilient crop cycles.
- Ecological restoration with elderberry sprouts in cornfields.
- Installation of handmade drip irrigation systems using recycled plastic bottles.
- Implementation of windbreaks and irrigation channels to manage water use, protect crops, reduce erosion, and promote crop growth.

ACHIEVEMENTS

- Women of the community apply sustainable agricultural practices, sell the organic products they grow in nearby markets, and have access to food and medicinal plants all year round.
- Resilience and production levels of organic crops have improved through the combination of sustainable agricultural techniques with ancestral knowledge.
- Crop diversification and marketing initiatives have improved local economic development.
- Cristina's plot serves as a demonstration center and promotes the experience exchange.

GUATEMALA

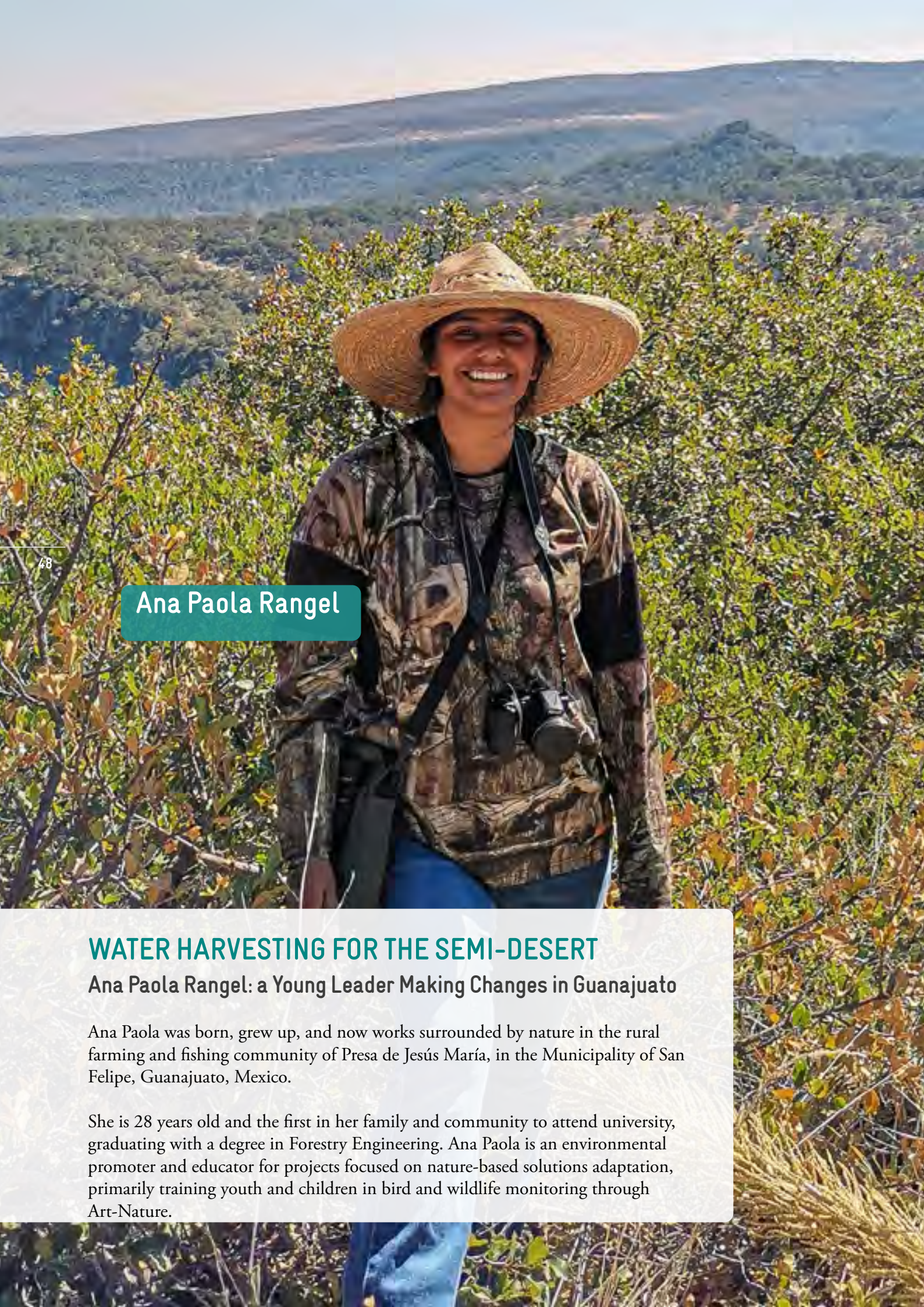


In light blue, the municipality of Santa Cruz de Quiché
Department of Quiché, Guatemala

Ma. Cristina Par Tuluxan

47

«As a promoter, I encourage other women in Guatemala and across Latin America to persevere and get involved in biodiversity restoration and the fight against climate change. I tell them that it is possible, even if there are barriers and diverse climates. Despite the challenges, there is a future if we work with effort and determination.»



Ana Paola Rangel

WATER HARVESTING FOR THE SEMI-DESERT

Ana Paola Rangel: a Young Leader Making Changes in Guanajuato

Ana Paola was born, grew up, and now works surrounded by nature in the rural farming and fishing community of Presa de Jesús María, in the Municipality of San Felipe, Guanajuato, Mexico.

She is 28 years old and the first in her family and community to attend university, graduating with a degree in Forestry Engineering. Ana Paola is an environmental promoter and educator for projects focused on nature-based solutions adaptation, primarily training youth and children in bird and wildlife monitoring through Art-Nature.



Environmental Education Arte Naturaleza in primary school Natural Protected Area Peña Alta

MOTIVATION

Ana Paola is a skilled and observant woman. She has always been aware of the environmental changes occurring around her, such as drastic temperature changes, water shortages, and vegetation loss. These concerns motivated her to pursue studies that would enable her to contribute with knowledge and find sustainable solutions to improve habitats and communities.

Her professional preparation has inspired other young people to continue their education.

CONTEXT

In the region, extreme droughts and reduced water levels have affected wetlands, springs, and aquifers, along with more frequent pests and forest fires, overgrazing, deforestation, and natural resource extraction. Overall, this has led to soil erosion and compaction, resulting in vegetation loss and negative impacts on agricultural production.

For these reasons, Ana Paola became involved in implementing solutions related to soil, water, and biodiversity conservation.



Paola in environmental education activities

ACCIONES

- To address water scarcity, in 2019, Ana Paola began collaborating with Salvemos al Río Laja A.C. Together, they joined the ADAPTUR (GIZ) project. She trained and participated in designing ecosystem-based adaptation (EbA) measures for the communities of Puerto Nieto and Agustín González in the Municipality of San Miguel de Allende.
- In 2020 and 2022, she coordinated the design and implementation of EbA measures with the communities, including soil conservation practices to improve water infiltration and reforestation with native plant species.
- Today, she continues working with these communities and is a member of the technical committee of the Peña Alta Protected Natural Area, where decisions are made on natural resource conservation.

ACHIEVEMENTS

In the Agustín González & Puerto Nieto communities:

- Residents acquired knowledge and have continued implementing solutions to their problems beyond the project.
- 80 hectares have been improved with soil conservation and water infiltration works, including terracing, trenches, dams, and stone cordons.
- Reforestation with 15,000 native plants including maguey, nopal, ocotillo, and others.

MÉXICO



In green, the Guanajuato State,
México

Paola reforesting with native plants

51

«Working for the communities and schools,
I have realized that the actions and follow-ups
that we have promoted have been successful
and are a form of adaptation for the residents.»

A portrait of Perseida Tenorio Toledo, a smiling woman with dark hair, wearing a light-colored bucket hat and a white lab coat over a green t-shirt. The t-shirt has a logo that says "BARRANQUILLA 2017" with a stylized orange flower design. The background is a blurred beach scene with waves and a blue sky.

Perseida Tenorio Toledo

RESTORING OUR RIVERS

Perseida Tenorio Toledo: Promoting Ecotechnologies in Oaxaca

Perseida is 31 years old and Zapotec, from the Isthmus of Tehuantepec, Oaxaca, Mexico. In 2021, she founded the Traveling Water and Arts School, “El Corazón de la Tierra.”

As an outstanding student and student leader, she received several scholarships: at the Tecnológico de Monterrey, Querétaro Campus, she trained as a Food Industry Engineer; at the University of Buenos Aires (Argentina), she specialized in fruit and vegetable production and post-harvest; and in Ecuador, she visited various initiatives and learned about water ecotechnologies.



Biofilter workshop for grey water was conducted with youth from the Instituto Superior Intercultural Ayuuk in Jaltepec de Candayoc, Oaxaca

MOTIVATION

Perseida's inspiration comes from her culture. Zapotec women are highly creative and have outstanding problem-solving abilities, using arts, flowers, and the wind in their relationship with nature.

Despite economic limitations, Perseida stood out for the socio-environmental programs she has designed or led. She emphasizes the importance of creating local solutions to climate change, focusing on pillars like ecopedagogy, youth, nature, and women.

The initiative began as a solution for her village, but she is determined to expand the school's outreach to restore rivers in rural communities throughout Latin America, with the ultimate goal of enabling young people to stay in their communities without the need to migrate.

CONTEXT

The Zapotec communities settled on the banks of the Guigubicu River hundreds of years ago. Therefore, water, fishing, pottery, and other traditional crafts are integral parts of their culture. They installed a drainage system for the wastewater discharging into the river twenty years ago. Over the years, Perseida watched as the river died, along with most of the animals that inhabited it and the nearby plantations.

Megaprojects and the effects of climate change, such as alterations in rainfall, also affect the Isthmus of Tehuantepec, leading to prolonged droughts, elevated temperatures, and a rise in sea level in several coastal marine communities.



Participation of Perseida in the Trinational Forum of the Commission for Environmental Cooperation of North America, Victoria, Canada.

ACTIONS

- ✎ Since 2017, she has promoted river restoration initiatives with a socio-environmental approach, organizing collectively with groups like Una Mano para Oaxaca, Tequio Niza Ya', and female leaders in the area.
- ✎ In 2021, she founded the Traveling Water and Arts School, where they design, adapt, and develop water ecotechnologies to eliminate grey water discharge into rivers.
- ✎ She conducts training activities to prepare young people to replicate these ecotechnologies in their communities and to become multipliers.
- ✎ Perseida has gained the support of organizations such as GIZ Mexico, Service for the World, and the global youth network ChangemakerXChange.

ACHIEVEMENTS

- ✎ The Traveling School collaborates with organizations in Central America, and the team has expanded with young people from Colombia and Costa Rica.
- ✎ Systems installed in Mexico, Guatemala, and Colombia prevented the discharge of over 200,000 liters of gray water into rivers each month.
- ✎ After a year of operations, Perseida joined forces with biologist Guiebeu Ballesteros to strengthen and expand training for young people as environmental leaders in other regions.
- ✎ The FAO recognized Perseida's "Mi Fruta, Mi Pueblo" program as a solution to end food waste in Latin America.
- ✎ The Commission for Environmental Cooperation of North America awarded the school the Youth Innovation Award in 2023 for "Water Solutions" and acknowledged the school for tackling water issues in Mexico.

MÉXICO



In light blue, the Tehuantepec isthmus,
Oaxaca State, México

Perseida at the Niza wetland in Ixtepec, Oaxaca: a
community project for the restoration of the Guigubicu
River

55

«Being part of networks with other women or rural youth has been very enriching because we support each other, and it drives us to dream and create projects and solutions from our territories. Thanks to the networks we have built with social organizations, collectives, and educational centers, it is possible to have positive impact in other countries in Latin America.»



Yolanda Osorio Yunca

CRAFT THAT SHAPES A SUSTAINABLE FUTURE

Yolanda Osorio Yunca: Guardian of the Wetlands

Yolanda Osorio Yunca was born in Huacho and lives in the rural town of Medio Mundo, in the district of Vegueta, Huaura province, north of Lima, Peru. Her father was a reed harvester, and her mother was a weaving artisan. Growing up with them allowed her to know and love the wetlands and the world of reeds. Her successful venture in crafts is rooted in her past. Together with a group of artisans, she formed the Association of Women Artisans of Medio Mundo (AMARTEMM). Yolanda served as president for two terms, and now she is the secretary. Besides being an artisan, she is also a wife and mother of two.



Artisans and reed harvesters protect and sustainably use the Albufera de Medio Mundo wetland.

MOTIVATION

Yolanda has a deep connection with nature. She views the ecosystem and the wetlands as feminine, even maternal, figures, providers of opportunities. This cosmovision supports the importance of protecting the wetland and implementing sustainable environmental practices.

This is where her motivation arises to participate and lead actions for the conservation of the Albufera de Medio Mundo wetland. She recognizes that a healthy wetland will provide reeds, which are the raw materials needed to continue producing the crafts that sustain her community.

CONTEXT

Climate change has affected the coastal marine zone of Huaura and its wetlands. This has been evident in irregular fishing, abnormal waves, pests, pollution, and microclimate changes that have impacted reed growth, reduced water levels in the ponds, and brought strong winds that affect the lives of the artisans and reed harvesters who depend on these ecosystem services.

The local NGO CooperAcción, in partnership with the EbAMar project (GIZ), established the Women Artisans' School to enhance knowledge on climate change adaptation and wetland conservation, while also developing skills in reed weaving and craft sales. Yolanda is one of the master artisans at the school, where she contributes to the wetland conservation.





Artisans showcase baskets made from reed, a raw material harvested from the Albufera de Medio Mundo Wetland, located in Vegueta, Huaura, Lima Region, Peru.

ACCIONES

- At the Women Artisans' School, Yolanda teaches the art of weaving reed crafts based on three key concepts: ecosystem, weaving, and market.
- Women learn to design, weave, and promote their traditional crafts. They also learn about climate change, its impacts on coastal marine ecosystems (such as wetlands), and resilient adaptation strategies. In this way, they generate their own income and contribute to wetlands conservation.
- Every year on the anniversary of the creation of the Albufera de Medio Mundo Regional Conservation Area, AMARTEMM organizes wetland cleanup campaigns.
- Yolanda and her colleagues train reed harvesters and raise awareness about the importance of respecting harvest seasons and implementing techniques that are friendly to the wetlands.

ACHIEVEMENTS

- 2019: AMARTEMM won first place at the national level in the "IX National Award for Peruvian Craft Design: Innovation in Crafts," awarded by Peru's Ministry of Foreign Trade and Tourism, recognizing their innovation, creativity, contribution to cultural identity, and sustainable development.
- 2023: AMARTEMM received the "Conservation Ally" Seal. Peru's National Service of Natural Protected Areas (SERNANP) granted them a license to use the "Conservation Ally" brand, acknowledging their responsible work in the sustainable use of reeds. With this recognition, AMARTEMM reinforces its commitment to wetland conservation and adds value to its products, which come from natural areas.

PERÚ



Centro Poblado
de Medio Mundo

In light blue, the Vegueta district,
Huaura province, Perú

Yolanda with artisan
women



«I invite other women to learn from our reed crafts and see how this fiber conveys emotions: sadness and joy. For example, when we are happy, we use bright colors, but when we are sad, cooler colors. We express feelings through our work. That's why it is important to conserve the wetland, which is a source of life and, for us, a source of livelihood. While we work on it, we are also caring for it. We achieve this through cleanup campaigns and training sessions for harvesters on sustainable extraction. If we take good care of it, the wetland will return twice as much to us.»

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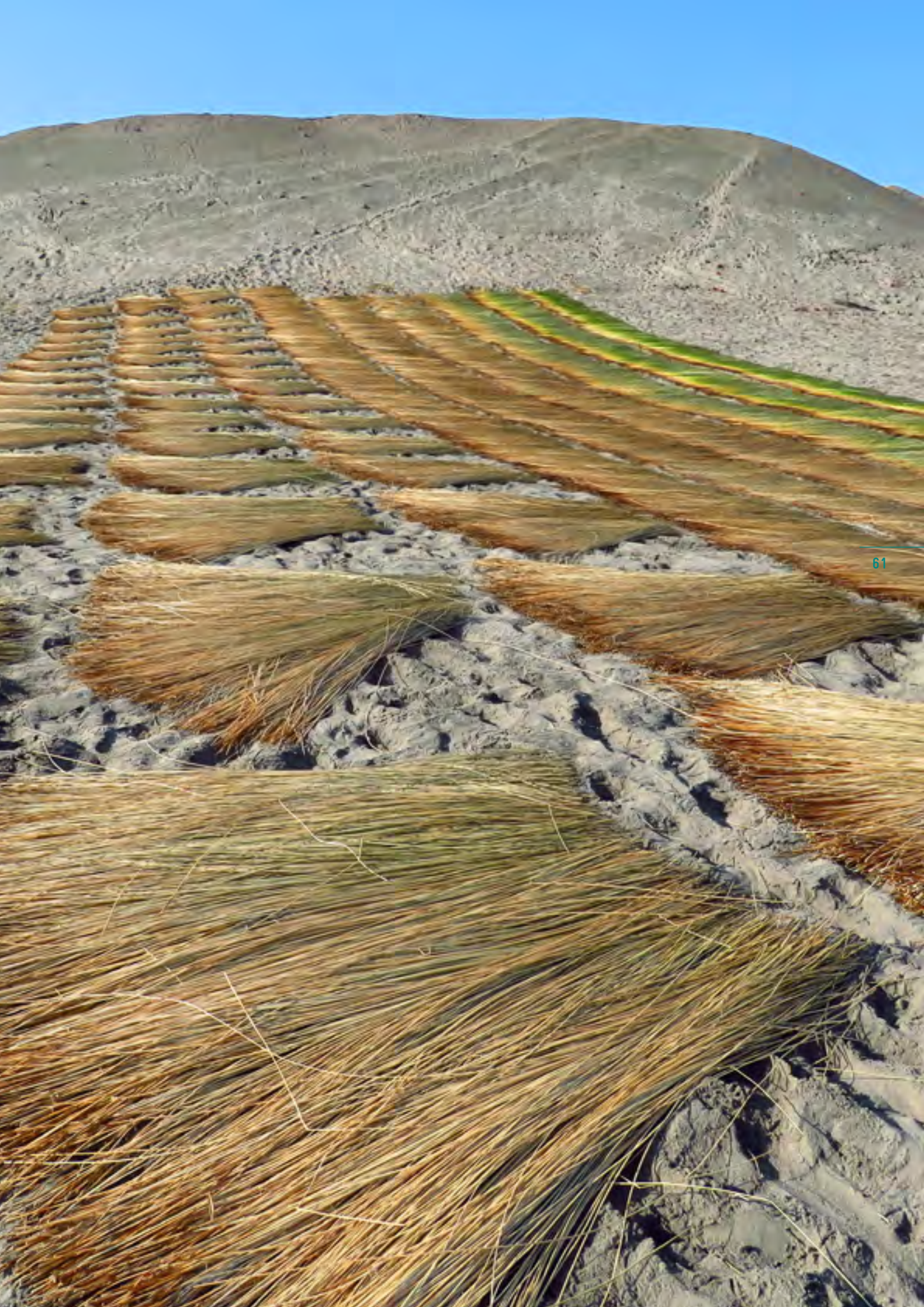
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