



GLOBAL GRANT APPLICATION TEMPLATE

The following pages outline the questions you will be asked on the online global grant application. You can use this document for planning purposes. Find the actual grant application at www.rotary.org/grants.

Step 1: Basic information

What's the name of your project?

Achuar Clean Water Project - Ecuador

What type of project are you planning? (humanitarian project, vocational training, scholarship)

All global grants support activities within Rotary's areas of focus.

Humanitarian Project

Select the primary host and international contacts for this project.

The primary host contact lives in the country where the project, training, or study will take place. The primary international contact lives in another country. Both contacts will be responsible for all grant-related correspondence and reporting to The Rotary Foundation.

Host Contacts in Ecuador: Verónica Massón Rotario de Puyo (4400) y Lenín Zea Rotario Morona Macas (4400)

International Contacts in Colorado: Jean Rissmiller and John Minier, Estes Valley Sunrise Rotary (5440)

Step 2: Committee members

The committee will include at least three members from the host sponsor and three members from the international sponsor.

Who will serve on the grant's host committee?

- 1) Verónica Massón - CR de Puyo,
- 2) Lenín Zea - CR Morona Macas, 3
- 3) Julian Larrea - Fundación Mente,
- 4) Celestino Antik - Achuar Village President, Board Of Directors (BODs)

Who will serve on the grant's international committee?

- 1) Jean Rissmiller (Estes Valley Sunrise Rotary 5440)

- 2) John Minier (Estes Valley Sunrise Rotary 5440)
- 3) Fatima Groom (Rotary Club of Greeley 5440)

Do any of these committee members have potential conflicts of interest? If so, please briefly explain.

A conflict of interest is a relationship through which an individual involved in a program grant or award causes benefit for such individual or such individual's family, acquaintances, business interests, or an organization in which such individual is a trustee, director, or officer.

No

Step 3: Project overview

Tell us a little about your project. What are the main objectives of the project, and who will benefit from it?

We're only asking for a general idea of the project. Try to be as concise as possible here. We'll ask you for details later in the application.

The scope of this project is to provide a reliable, safe, potable water supply within the village of Kutsutkao in the Amazon Rainforest in the Achuar Region of Ecuador. This village has no system for mechanically transporting water from the river to the village, and has no central, nor individual, purification systems.

4 Objectives of the Project:

1. Provide clean potable water to the people of Kutsutkao,
2. Further empower the women of the village,
3. Enhance Villages Opportunities for Eco-Tourism,
4. Enable MAANA Chicken Project

The lives of all residents of Kutsutkao, over 120 individuals, will be greatly enhanced by having potable water available in their village. But given its location on the Caapawari River, near two other principal villages of Wayusensa and Kapawi, fresh water will be containerized and transported to them, increasing the total benefited to nearly 600 individuals. Once the project is installed, 20,000 litres of clean, potable water will be available daily and the village of Kutsutkao can build the MAANA Chicken project, which also requires clean water. Supplying hatchling chickens to a great many villages in the Achuar Territory will significantly benefit these villages, nearly 3000 individuals. Clean potable water is essential to hosting Eco-tourism in a village. Eco-Tourism will increase the number served by this project exponentially.

Step 4: Area of focus

Which area of focus will this project support?

Select at least one area. Note that we'll ask you to set goals and answer questions for each area of focus you select.

- Peacebuilding and conflict prevention
- Disease prevention and treatment
- Water, sanitation, and hygiene

- Maternal and child health
- Basic education and literacy
- Community economic development
- Environment

Step 5: Measuring success

Which goals of this area of focus will your project support?

We'll ask you questions about the goals you choose, and at the end of the project, you'll report on your results for each goal. Each area of focus has its own set of goals. Select only the goals that your project will address.

1. Providing equitable community access to safe water, to 600 people in the Kutsutkao, Wayusensa and Kapawi villages.
2. Create an operating team of 60 women of the Kutsukao village to be trained to manage the clean water system.
3. Design the clean water system to supply 20,000 liters per day and maintain the chicken hatchery with clean water fostering thousands of hatchlings.

How will you measure your project's impact?

Use only measures that are clearly linked to your goals and will demonstrate the project's impact on participants' lives, knowledge, or health. Find tips and information on how to measure results in the [Global Grant Monitoring and Evaluation Plan Supplement](#). You need to include at least one standardized measure from the drop-down menu as part of your application. (Add rows as needed.)

Measure	Collection Method	Frequency	Beneficiaries
600 individuals provided with clean water.	Report from Kutsutkao President and BOD	6 mos	Kutsutkao, Wayusensa and Kapawi villages
60 women trained to manage and operate the SunSpring Hybrid System.	Report from Kutsutkao President and BOD	6 mos	60 women of the Kutsutkao village
Thousands of MAANA chicken project hatchlings distributed to Achuar villages.	Report from Kutsutkao President and BOD	6 mos	Entire Achuar territory (3000)

Do you know who will collect information for monitoring and evaluation?

If yes, please provide the name and contact information for that person or organization and briefly explain why this person or organization is qualified for this task. If no, please tell us how you plan to find a person or organization to complete this task.

Yes:

Celestino Antik – celestinoantik7@gmail.com Qualifications:

Village President, and on the Board of Directors of the Achuar people, Celestino is a respected member of the Achuar people. He is the leader of the Achuar village of Kutsutkao and represents their commitment to maintaining their expert stewardship of the rainforest, taking a stand to preserve this invaluable resource on behalf of all life. They refuse to let humanity destroy itself. Celestino is the voice of the Achuar who have made the courageous decision to reach out to the modern world that was threatening their very existence. Part of their vision for self, and rainforest, preservation includes bringing the “outside world” into their territory to better understand the importance and fragility of the rainforest, and to gain an awareness of the need to live a sustainable lifestyle that reduces the needs for the earth’s resources in general, and the rainforest’s resources specifically.

Julian Larrea - julianlarread@hotmail.com Qualifications:

Director at Fundación Mente with expertise and experience in conservation and sustainable development. He is influential in helping communities and allies work together in their efforts towards conserving and sustaining the Rainforest in the Achuar territory.

Franklin Eleucadio Puente Peñaranda – punte-35@hotmail.es Qualifications:

Businessman - Commercial La Bahía - Hotel Heliconia

Councilor at Ex-Councilman of the Canton Morona

Assembly Member at Former Assembly Member for the Province of Morona Santiago

Governor at Former Governor of the Province of Morona Santiago

Assembly Member at Worked in the Legislative and Oversight Commission in the City of Quito

Former President of the Morona Macas Rotary Club

Studied at Universidad Estatal de Cuenca

Natali Silvana Casigña Guamán - natalisc_23@hotmail.com Qualifications:

As an environmental engineer, my educational and professional experience is deeply related to the area of water and environmental sanitation. During my academic training, I acquired knowledge fundamentals

about the water cycle, water resource management, treatment and water purification. My studies allowed me to understand the importance of water quality and its equitable access, as well as the environmental impacts associated with its use and contamination.

Step 6: Location and dates

HUMANITARIAN PROJECT

Where and when will your project take place?

First choice is December 2024 or second choice February 2025 in the village of Kutsukao in the Achuar territory of the Ecuadorian Amazon Rainforest

VOCATIONAL TRAINING TEAM

Give us some information on your team or teams. (Add rows as needed.)

Team name	Type	Training location	Departure - Return
Host			
Natali Silvana Casigña Guamán	Rotary Club of Puyo	Kutsutkao, Ecuador	First choice is December 2024 or second choice February 2025
Franklin Eleucadio Puente Peñaranda	Rotary Club of Morona Macas	Kutsutkao, Ecuador	First choice is December 2024 or second choice February 2025
Celestino Antik	Village President, BoD	Kutsutkao, Ecuador	Local
Julian Larrea	NGO - Fundación Mente	Kutsutkao, Ecuador	First choice is December 2024 or second choice February 2025
International			
John Minier	Estes Valley Sunrise Rotary Club	Kutsutkao, Ecuador	First choice is December 2024 or second choice February 2025
Jean Rissmiller	Estes Valley Sunrise	Kutsutkao, Ecuador	First choice is

	Rotary Club		December 2024 or second choice February 2025
Teresa Mueller	Estes Valley Sunrise Rotary Club	Kutsutkao, Ecuador	First choice is December 2024 or second choice February 2025
Paul Mueller	Estes Valley Sunrise Rotary Club	Kutsutkao, Ecuador	First choice is December 2024 or second choice February 2025

SCHOLARSHIP

What are the candidate's estimated travel dates?

First choice is December 2024 or second choice February 2025

Step 7: Participants

VOCATIONAL TRAINING TEAM

In this section team leaders and at least two other members must be added to each team created.

The following documents need to be uploaded for each member: their CV and [Vocational Training Team Member Application](#). Team itineraries must also be included in this step. It is the team leader's responsibility to gather, review, and upload all member documents.

The Vocational Training Team Member Application includes the following questions:

How does your educational and professional experience relate to the selected area of focus?

See attachments

What is your role in this training? Describe how you will participate.

COOPERATING ORGANIZATIONS (OPTIONAL)

Provide the name, website and location of each cooperating organization.

A cooperating organization can be a nongovernmental organization, community group, or government entity. Please attach Rotary's [memorandum of understanding](#) that's signed by a representative of the organization. (Add rows as needed.)

Name	Website	Location
Fundación Mente	https://www.mente.ec/	Quito, Ecuador
Maketai	https://www.maketai.org/	Tuscon, Arizona

Why did you choose to partner with this organization and what will its role be?

Fundación Mente is an Ecuadorian NGO established in 2009 by a team of experienced conservation and sustainable development professionals, with headquarters in Quito, Ecuador. Fundación Mente promotes dialogue and cooperation between communities and allies willing to work for conservation and sustainable development.

Maketai - A U.S. non-profit based in Tucson, AZ, Maketai passionately supports the Achuar's vision regarding human community as being One Planet — One People. They join the Achuar in developing and delivering capacities, resources and programs that promote planetary cooperation and sustainability. They have listened and responded to the Achuar request to unite the wisdom of their ancient ancestors with appropriate technology of the modern world. They support projects that deepen social justice, expand environmental awareness, and promote participatory actions among the Achuar, especially the women and young adults.

PARTNERS (OPTIONAL)

Partners may include other Rotary clubs, Rotaract clubs, Rotary Community Corps, or individuals.

List any other partners that will participate in this project.

Rotary Club of Estes Park, Greeley Rotary Club, Rotary Club of San Marino, California

VOLUNTEER TRAVELERS (OPTIONAL)

A grant for a humanitarian project can pay for travel for up to two people who will provide training or help implement the project if the necessary skills are not available locally.

Provide name, email of traveler(s).

Describe this person's role in the project.

SCHOLARSHIP CANDIDATE

Provide name and email for the scholarship candidate. Upload the candidate's admission letter.

ACADEMIC INSTITUTION

Provide the name and address of the academic institution.

ROTARIAN PARTICIPANTS

Describe the roles and responsibilities that the host and international sponsors will have in this project. Please be specific. Which sponsor will receive and manage the grant funds?

Jean Rissmiller with Estes Valley Sunrise Rotary will receive and manage the grant funds in a bank account, located in Estes Park Colorado, that is exclusively for this project.

Sponsor	Role	Responsibility
1) Jean Rissmiller	Trainer/Installer/Reporting	Assist with SunSpring installation and then train villagers on usage and maintenance. Send status reports to all sponsors on status, progress and bi-annual updates.
2) John Minier	Trainer/Installer	Engineer who has architected with and been trained by Innovative Water Technologies about the location, layout and engineering of the SunSpring Hybrid Clean water system. He has also been working with Julian Larrea, Fundación Mente, who is onsite and has been the liaison between the Achuar President, Celestino Antik, and John Minier.
3) Teresa Mueller	Installer/Trainer/Support	
4) Paul Mueller	Installer/Trainer/Support	
5) Franklin Eleucadio Puente Peñaranda (Moreno Macas).	Trainer/Installer/Post installation	communications with Village for reporting on regular progress of the system.
6) Natali Silvana Casigña Guamán (Puyo)	Trainer/Installer.	Work on issues related to environmental regularization, training on environmental issues, carries out environmental impact studies, monitoring and sampling of environmental components, raising the baseline of the projects between various topics.

Describe how the partnership between the host and international sponsors was formed. What agreement have the sponsors made toward ensuring that the project will be implemented successfully? How will they manage any challenges that arise throughout the project?

Once it was decided that the Estes Valley Sunrise Rotary (EVSR) was fully behind the project to install a water purification system in an Achuar village in the Ecuadorian rain forest, it was immediately realized by all that in-country support would be essential to ensure not only proper implementation, but also long-term support in terms of both maintenance and community relations.

John Minier, our Estes Valley Sunrise Rotary member who proposed the project's scope and location, is familiar with Ecuador, and the provinces surrounding the Achuar territory. The "first world" cities closest to the Achuar Territory are Puyo, in Pastaza Province (same province as the Achuar Territory), and Macas, the capital of the neighboring province of Morona Santiago. While searching (Google) Rotary International for Ecuadorian Rotary Clubs, specifically Puyo and Macas, Mr. Minier quickly found Facebook pages for both Club Rotario de Puyo, and Club Rotario Morona – Macas.

Lacking any other information, on December 22, 2023, Mr. Minier simply sent a Private Messenger (PM) message through Facebook PM to both clubs describing the project and the Achuar people/village and associated need. That same evening Veronica Masson responded via PM. She indicated that she was

the past president of the club and would be happy to bring this project before her club and the current president. On January 13 Paulino Sarmiento from Club Rotario Morona – Macas replied to the PM, indicating that “it would be incredible” to collaborate with us on this project, and provided additional contact information.

These two points of contact for potential in-country sponsors were provided to Jean Rissmiller, EVSR president. In the interim, Jean had been in contact with a Greeley Colorado Rotary club member, Fatima Groom, who is from Ecuador. Fatima readily agreed to assist us in communications with the Ecuadorian clubs and personnel. Since then, a bond of both purpose and friendship has grown, and all involved are committed to making this project a tremendous success. It is this communication and commitment to the project that will ensure that any future project challenges are immediately identified and addressed. Mr. Minier is retired, and available to travel to Ecuador and support this project in any way necessary.

The Puyo and Macas club members conducted multiple community visits and site assessments for our project, and they themselves have established a strong relationship with the Achuars and the community of Kutsutkao. This great local relationship will ensure not only proper installation of our project, but long-term support for it, and the Achuar people.

Step 8: Budget

What local currency are you using in your project’s budget?

The currency you select should be what you use for a majority of the project’s expenses. \$USD

What is the U.S. dollar (USD) exchange rate?

What is the budget for this grant?

List each item in your project's budget. Remember that the project's total budget must equal its total funding, which will be calculated in step 9. Project budgets, including the World Fund match, must be at least \$30,000. (Add rows as needed.)

#	Category*	Description	Supplier	Cost in local currency	Cost in USD

1	Equipment	SunSpring Hybrid Water Purification System	Innovative Water Technologies	\$20,000	\$20,000
		<p>O&M Instruction sticker on inside door, in English [] or Spanish []</p> <p>Solar and wind turbine assembly, Multi stage filtration</p> <p>Waterproof control box, security shelf</p> <p>Maintenance kit (Filter wrenches, MIT kit & CIP kit)</p> <p>Standard 17 lpm pump, 2 spigots, tool kit</p> <p>3 plug 12vdc charging station, custom crate</p> <p>State of the art UF membrane technology, O&M Manual</p> <p>Spare parts backpack (includes spare standard pump)</p> <p>1 Stainless steel prefilter (standard BB enclosure), Flow meter/totalizer</p> <p>Piping kit, 3/4" sch 40 pvc pipe, valve, glue and fittings</p>			

1	Documentation	English and Spanish door instructions	Innovative Water Technologies	\$100	\$100
1	Equipment	Extra 4.5" by 20" Stainless steel 100 micron prefilter cartridge	Innovative Water Technologies	\$450	\$450
1	Equipment	Chlorinator Assembly, water powered plus manifold	Innovative Water Technologies	\$1,250	\$1,250
1	Documentation	1 Vinyl logo, 16" - 20"	Innovative Water Technologies	\$150	\$150
1	Equipment	COMBO Bottle Buddy/Filling Station, Stainless Steel	Innovative Water Technologies	\$7,500	\$7,500
1	Equipment	XL Piping Kit (Stainless steel pre-filter and piping kit)	Innovative Water Technologies	\$2,500	\$2,500
100	Equipment	2.5 Gallon Cube-Tainers with screw lids	Innovative Water Technologies	\$300	\$300
1	Equipment	Battery Hammer Drill Kit, 18vdc with 12vdc battery charger	Innovative Water Technologies	\$350	\$350
	Contingency costs	Supplies		\$1940	\$1940
	Transportation	Contingency* (Transportation Only)	TBD	\$7500	\$7,500

	* transportation costs to Ecuador vary daily				
Total budget:					\$42,040

*Possible categories: Accommodations, Equipment, Monitoring/evaluation, Operations, Personnel, Project management, Publicity, Signage, Supplies, Training, Travel, Tuition

Supporting documents

Upload any documents, such as price bids or pro forma invoices, to substantiate the listed expenses.

Step 9: Funding

Tell us about the funding you've secured for your project.

We'll use the information you enter here to calculate your maximum possible funding match from the World Fund. List all of your funding, including cash contributions and District Designated Funds (DDF). (Add rows as needed.)

#	Source	Details	Amount (USD)	Support*	Total
	Estes Valley Sunrise Rotary (5440)	Cash	\$6,000	DDF \$12,000	18,000
	The Rotary Club of Estes Park (5440)	Cash	\$1,500	DDF \$3,000	\$4,500
	Greeley Rotary (5440)	Cash	\$1,000		\$1,000
	San Marino Rotary (5300)	Cash	\$1000	DDF \$1000	\$2000
	Puyo Rotary (4400)	Cash	\$400	DDF \$800	\$1,200
	Moreno-Macas (4400)	Cash	\$400	DDF \$800	\$1,200

	Greeley (5440)	Cash	\$60		\$60
	Total from the Rotary Foundation (WWF)			14,080	27,960
1	Total				42,040

*Whenever cash is contributed to the Foundation to help fund a global grant project, an additional 5 percent is applied to help cover the cost of processing these funds. Clubs and districts can receive Paul Harris Fellow recognition points for the additional expense.

How much World Fund money would you like to use on this project?

World Fund DDF match (80%) \$14,080

Step 10: Sustainability

Sustainable projects provide long-term solutions to community problems — solutions that community members themselves can support after grant funding ends. Your answers to the questions below will help us understand the components of your project that will make it sustainable.

HUMANITARIAN PROJECTS – PROJECT PLANNING

Describe the community needs that your project will address.

The community needs a reliable, safe, potable water supply within the village of Kutsutkao. This village has no system for mechanically transporting water from the river to the village, and has no central, nor individual, purification systems.

Our project will provide clean potable water to the people of Kutsutkao, Wayusensa and Kapawi to alleviate the myriad of health issues associated with water related diseases, and minimize the social problems associated with the time consuming task of water collection and treatment.

This project will further empower the women of the village. It is the women who will be trained to operate and maintain the SunSpring Hybrid water system and ensure the availability of fresh, clean water for the families of the village. This will be a very important element of the Achuar's daily life – one which the women will hold control, increasing their stature.

The project will enable clean water to support the MAANA chicken project which will provide a source of protein to the villagers and not require men in the village to venture

further from their villages into a dangerous jungle. Without our water project, there is no chicken project.

How did your project team identify these needs?

In traveling to this area to work with Fundación Mente and Maketai, we know that water is life and getting water supply for drinking and other activities is more challenging in jungle villages. While water supply is plentiful, clean water is not. Even expecting clean water is unthinkable in jungle villages of the Ecuadorian rainforest in general. Thus, hundreds of people fall ill and suffer because of drinking contaminated water, with a majority being children. Common maladies in the Ecuadorian jungle villages include diarrheal issues, Hepatitis A, dysentery, cholera, and typhoid.

Children in jungle villages are especially subject to be affected by waterborne diseases, and often cannot attend limited school opportunities. The other serious social problem in these jungle villages is that women and children have the responsibility of fetching water from the river to their dwelling. Consequently, they have less time to participate in community life, and it negatively affects the school time of children.

The rural communities' economic income is based on agriculture and raising chickens; thus, the community uses unprotected sources and rivers to obtain water for domestic use. The major source of drinking water supply of the Achuar's society is rivers and streams. These sources are shared by animals and humans alike, with the resulting health risk. Since the majority of jungle drinking water supplies are unprotected, they will be polluted with different anthropogenic agents that endanger the health of the community and affect the economy and every developmental activity. The problems are very serious for children and women since all activities in the household mostly depend on their efforts. Thus, river water purification and management is one of the key means of providing clean and safe fresh water to the Achuar villages.

How were members of the benefiting community involved in finding solutions?

A Community Assessment and site visit was conducted April 27 – 28 2024 by Members of Host Rotary Clubs from Macas and Puyo to assess the feasibility and technical aspects of project:

- Discussed Needs and Priorities of Kutsutkao Residents
- Village Currently Using Raw, Contaminated Kapawari River Water – Numerous Gastroenterological Diseases Common
- Changed Water Catchment Site by One Kilometer to an Up -river Clear Water Stream

Principal Conclusions

- Village Authorities and People Fully Behind Project, Including Long Term Operation and Maintenance
- Identified No Roadblocks to Social, Economic, or Technical Feasibility of Study
- Opportunities and Challenges Identified that will Assist in Project Implementation and Community

Involvement and Support

- Visit Insured Utilization and Integration of Existing Village Infrastructure

How were community members involved in planning the project?

Yes, among the many residents from the community who are involved in the project planning are Froilán, Antik, Santiago Kashiejn, Raúl Antik, Edgar Santi, Torivio Antik, Celestino Antik, syndic of the community. Meetings were conducted amongst the community to receive and document suggestions, doubts and concerns for a new water filtration system that is being proposed. It was agreed that this will enable a better quality of life, so the water project is of crucial importance to achieve that goal.

The residents in the community are aware of the labor involved and it is worth mentioning that the residents are willing to collaborate in all the work and involvement that the project deserves to be sustainable. They concluded that their lack of safe water for the community is currently latent because they have not been able to find a sustainable solution until now and recognize that this project needs to be done urgently.

They agreed that for the project to work, it is intended to build a dam in the water creek in a planned way in such a way that it serves to collect the water from the stream, which will be driven with a pump through the pipe network, to the storage tanks so that later, after passing through our SunSpring Hybrid purification water system, through gravity the water can reach the community and the MAANA chicken hatchery project.

This project could never proceed without strong community support, and the village is fully on board. From early planning of equipment requirements and location; to future assistance with installation, trenching, and equipment sheltering; and finally, to system operation and maintenance, the community members of Kutsutkao are involved at every step. Our principal points of contact in Kutsutkao are:

Celestino Antik, Village President, BoD

Fernando Antik, Board of Director

Simon Santi, BoD Treasurer

Norma Palora Santi, Women's Group Leader

In the Province of Pastaza, there are five Achuar organizations: Arutam, Churuya, Makusar, ACAP (Association of Achuar Centers of Pastaza) and AAC (Achuar Association of Copataza). These organizations are all interested in and support this, and potential future projects.

HUMANITARIAN PROJECTS – PROJECT IMPLEMENTATION

Summarize each step of your project's implementation.

Do not include steps related to fundraising, applying, or reporting. (Add rows as needed.)

#	Activity	Duration
1	John Minier, (Sunrise Rotary 5440), Julian Larrea (Fundación Mente) and Sandra Morse (Maketai) learned of a need for clean potable water in the	3 days

	town of Kutsutkao, in the Achuar Territory	
2.	John Minier and Julian Larrea met with the Achuar Village Board of Directors: Celestina Antik, Achuar Village President & BoD, Fernando Antik, BoD, Simon Santi, BoD Treasurer and Norma Palora Santi, Women's Group Leader to listen to the needs of the village – all which revolved around clean, potable water.	3 days
3	John Minier learned about the SunSpring Hybrid Clean Water System developed by Innovative Water Technologies (IWT). John met with the CEO of IWT and learned that they SunSpring Hybrid would meet the needs of the Kutsutkao Village.	2 days
4.	John Minier explained the SunSpring Hybrid System to Celestino Antik and Julian Larrea. It was agreed that this could be the clean water system to implement.	1 day
4.	Celestino Antik and Julian Larrea laid out the placement and engineering of the SunSpring Hybrid system.	5 days
5.	John Minier reviewed it with the CEO of IWT and learned it was the perfect clean water application for Kutsutkao	1 day
6.	Community Assessment – April 27-28, 2024 Andreas Martinez (Puyo 4400) met with Celestino Antik(Achuar President and BOD) and Julian Larrea (Fundación Mente) to do a community assessment with members of the Kutsukao village and to a) ensure they were on-board with the plan, b) determine the best location/placement for the SunSpring Hybrid clean water system.	2 days
7.	Development of an engineering drawing of SunSpring Hybrid placement based on Community Assessment study, collaboration with Innovative Water Technologies and John Minier (see attachment)	1 week

Will you work in coordination with any related initiatives in the community? If yes, briefly describe the other initiatives and how they relate to this project. If no, please explain. Are local initiatives not addressing these needs? Or, if they are, why did you decide not to work with them?

- 1) Eco Tourism Initiative - The Achuar are committed to maintaining their expert stewardship of the rainforest, taking a stand to preserve this invaluable resource on behalf of all life. They refuse to let humanity destroy itself. The Achuar made the courageous decision to reach out to the modern world that was threatening their very existence. Part of their vision for self, and rainforest, preservation includes bringing the “outside world” into their territory to better understand the importance and fragility of the rainforest, and to gain an awareness of the need to live a sustainable lifestyle that reduces the needs for the earth’s resources in general, and the rainforest’s resources specifically. Maketai and Mente, our partners, conduct numerous trips annually to the Achuar Territory and feel that is the best way to inspire support of the Achuar's

mission to preserve their rich culture and the Amazon. These trips not only raise environmental awareness, but also bring revenue to the villagers. Without a reliable source of potable water, hosting Eco-Tourists in a village is difficult to impossible.

- 2) MAANA Chicken Hatchery Initiative - Several years ago Maketai and Mente initiated a major project to introduce chickens into the villages to significantly supplement and improve the Achuar's nutritional diet. Until relatively recent times, the Achuar were a nomadic tribe, and thus often wandering. This nomadic lifestyle was a necessity since they were living off the jungle: the natural found edible fruit and vegetation: bananas, papayas, mangos, roots; and the wildlife: peccaries, monkeys, tapirs, fish, birds, and small game. Continual movement was necessary to ensure adequate supply of food. In their domesticated villages of the recent past, the Achuar planted orchards of the vegetables and fruits that they previously collected naturally. But their diets still required protein, and hunting became more difficult as species were depleted in the village area, requiring men to venture further from their villages into a dangerous jungle. The introduction of chickens significantly reduced the demand to hunt. Species of native animals near the villages are increasing again. The chickens provide both eggs and meat. Eating chickens requires a constant replenishment, which is currently done by flying hatchlings into the territory. Obviously this is an expensive proposition. The MAANA Chicken Project and our Kutsutkao Water Project are purposefully linked. The Chicken Project will, for the first time, establish a major hatchery in Kutsutkao, which is centrally located in the territory on the Caapawari River. Hatchlings can then be transferred by boat to other villages. But a large-scale hatchery cannot happen without a reliable source of potable water. Contaminated water spreads disease in chickens just as readily as in children. Confined chickens in a hatchery environment require a reliable source of purified water. At 20,000 liters per day, our SunSpring Hybrid purification system can easily handle the requirements of the villagers of Kutsutkao and the demands of the hatchery. Without our water project, there is no chicken project.
- 3) Better Health Initiative - provide clean potable water to the people of Kutsutkao, Wayusensa and Kapawi, alleviate the myriad of health issues associated with water related diseases, and minimize the social problems associated with the time consuming task of water collection and treatment.

There can be value in working with other groups including governments, nonprofit organizations, and private companies.

We are working with these other groups:

Achuar Nationality of Ecuador Governing Body - IN THE PROVINCE OF PASTAZA, THERE ARE FIVE ACHUAR ORGANIZATIONS THAT COMPRISE THE ACHUAR NATIONALITY OF ECUADOR GOVERNING BODY: ARUTAM, CHURUYA, MAKUSAR, ACAP (ASSOCIATION OF ACHUAR CENTERS OF PASTAZA) AND AAC (ACHUAR ASSOCIATION OF COPATAZA). THESE ORGANIZATIONS ARE ALL INTERESTED IN AND SUPPORT THIS, AND POTENTIAL FUTURE PROJECTS.

Fundación Mente is an Ecuadorian NGO established in 2009 by a team of experienced conservation and sustainable development professionals, with headquarters in Quito, Ecuador. Fundación Mente promotes dialogue and cooperation between communities and allies willing to work for conservation and sustainable development.

Maketai - A U.S. non-profit based in Tucson, AZ, Maketai passionately supports the Achuar's vision regarding human community as being One Planet — One People. They join the Achuar in developing and delivering capacities, resources and programs that promote planetary cooperation and sustainability. They have listened and responded to the Achuar request to unite the wisdom of their ancient ancestors with appropriate technology of the modern world. They support projects that deepen social justice, expand environmental awareness, and promote participatory actions among the Achuar, especially the women and young adults.

Please describe the training, community outreach, or educational programs this project will include.

The community outreach that has already occurred includes a trip by John Minier to the village of Kutsutkao in September 2023, which included a discussion with village tribal leaders on the needs of the community. Reliable clean, potable water quickly rose to the top of the list. Members of Fundación Mente and Maketai were also involved in this discussion. Subsequently both Fundación Mente and Mr. Minier reached out to the village leaders with our SunSpring Hybrid proposal, and many discussions have occurred since. With the inclusion of the Puyo and Macas Rotary clubs in Ecuador, several of their members reached out to the community, offering assistance, and conducting a site visit this past spring, which improved relations, and greatly solidified our design.

Training will be key in the community in the operation, maintenance, and potential troubleshooting of the purification system. Inno Water Technologies (IWT), the system inventor, designer, and manufacturer, have placed these systems in 38 different countries, almost entirely in local indigenous, tribal communities. They are well versed and experienced in identifying what training the community members need to operate and maintain the system for years.

Mr. Minier, a mechanical engineer by occupation and occupation, will attend training provided IWT in Rocky Ford Colorado. This training will result in Mr. Minier learning all he needs to know to install the system on site. IWT will also "Train the Trainer" so Mr. Minier will have all the knowledge necessary to train the indigenous operator/maintainers in Kutsutkao. During this installation and training in Kutsutkao, two representatives from the host country Rotary clubs, will accompany the team to Kutsutkao. These two individuals, Franklin Penaranda and Natali Guaman will be trained in the proper operation, maintenance, and troubleshooting of the system and will be available as in-country resources for the indigenous community problem to call upon should they need. It should be noted that Natali Guaman is a trained engineer as well.

How were these needs identified?

Collaboration with the manufacturer of the SunSpring Hybrid System, Innovative Water Technologies and the Community Assessment completed in April 2024 and by the Achuar leaders.

What incentives (for example, monetary compensation, awards, certification, or publicity), will you use, if any, to encourage community members to participate in the project?

Clean, potable water is the incentive as community members care a lot about having a better quality of life and understand that this water project is of crucial importance to achieve that goal.

They also understand that they cannot support Eco-tourism without clean, potable water.

They also understand that they cannot support the MAANA chicken project without potable water.

These were made clear to this project that these are the incentives from the community members who are

eager for this project.

List any community members or community groups that will oversee the continuation of the project after grant-funded activities conclude.

These may or may not be Rotary members or clubs.

Julián Larrea, Director, Mente

José Peas, Regional Coordinator

Celestino Antik, Local Coordinator

VOCATIONAL TRAINING TEAMS – PROJECT IMPLEMENTATION

Describe the training needs that the team will address.

Training Needs that our team will address:

- a) Operational theory - understanding how the system works
- b) Training on how to ensure the system is properly working and meeting purification specifications
- c) Training on timing and scope of routine maintenance, including backflushing of the system
- d) Training on reading gauges to determine when backflushing is required
- e) Training on how to inspect and repair tanks and water distribution lines
- f) A thorough understanding of the entire system and how our equipment is to be operated and maintained
- g) Who to contact if/when there is an issue.

How did your team identify these needs?

Innovative Water Technologies,(IWT) the manufacturer, provides a list of training needs for each community who receives a SunSpring Hybrid System. They have installed these clean water systems globally, in 38+ countries over the last 15 years. They have a sound understanding of training requirements.

Describe the specific objectives of the training, including what you expect training participants to gain from the team's expertise.

- a) When and how to backwash the SunSpring Hybrid system
- b) Setting the Backwash controller program, time of day, time of backwash and backwash frequency
- c) Reading the solar controller and troubleshooting the system using the solar controller
- d) Participants will gain a good general understanding of the system, and we will go over a call out list and connect with them via phones, text, email and whatsapp.

How were members of the local community involved in planning the training?

The local Achuar Village BOD will identify the recipients of the initial training, set the timing of the training and ensure adequate number of initial trainees.

Will you work in coordination with any related initiatives in the community? If yes, briefly describe the other initiatives and how they relate to this project. If no, please explain. Are local initiatives not addressing these needs? Or, if they are, why did you decide not to work with them?

We are working in coordination with Fundación Mente on the MAANA chicken hatchery initiative. Without clean, potable water, chicken hatchlings will not survive. Currently, there is no clean, potable water to sustain this initiative.

What incentives (for example, monetary compensation, awards, certification, or promotion) will you use, if any, to encourage community members to participate in the training?

Benefits of clean water and the MAANA chicken project provides sufficient incentives. Also, the women of the village are eager to learn as they seek ways to increase their stature.

How will training recipients be supported after the training to keep the skills they acquire up-to-date?

Post training updates will be discussed by IWT, Fundación Mente, the two host Rotary Clubs and Sunrise Rotary Club with a delivery and roll out plan to the Achuar people.

List any community members or community groups that will oversee further training after the project ends.

These may or may not be Rotary members or clubs.
The Kutsutkao President and Board Of Directors (BODs)
Fundación Mente
Maketai
Club Rotario de Puyo and/or Club Rotario Moreno Macas

SCHOLARSHIP (SEE BELOW FOR SCHOLAR PROFILE QUESTIONS)**

Describe the process your team used to select this candidate.

How do this candidate's background, studies, and future plans qualify them for a global grant under this area of focus?

BUDGET

Will you purchase budget items from local vendors? Explain the process you used to select vendors.

Only if we need additional parts upon installation. The local Kutsutkao villager and its Board of Directors will select the vendors.

Did you use competitive bidding to select vendors? If no, please explain.

No because this clean water system from Innovative Water Technologies was exactly what we needed. We did evaluate other types of water purification systems but none of them matched the needs of the Kutsutkao people.

Please provide an operating and maintenance plan for the equipment or materials you purchased for this project. This plan should include who will operate and maintain the equipment and how they will be trained.

The women of the Kutsukao village and the Kutsutkao Board of Directors will be trained on how to operate and maintain the equipment. In addition, Fundación Mente's director, Julian Larrea will also know how to operate and maintain the system, They will be trainind on

- a) When and how to backwash the SunSpring Hybrid system
 - b) Setting the Backwash controller program, time of day, time of backwash and backwash frequency
 - c) Reading the solar controller and troubleshooting the system using the solar controller
 - d) Participants will gain a good general understanding of the system, and we will go over a call out list and connect with them via phones, text, email and whatsapp.

Describe how community members will maintain the equipment after grant-funded activities conclude. Will replacement parts be available?

Fundación Mente and Maketai will fund any equipment after the grant-funded activities conclude. They have already funded the necessary infrastructure equipment to allow this project to be successful and will continue to do so in the future. Replacement parts will be available through the manufacturer, Innovative Water Technologies, if necessary.

If the grant will be used to purchase any equipment, will the equipment be culturally appropriate and conform to the community's technology standards? If yes, please explain. If no, describe how the project team will help community members adopt the technology.

All equipment installed will be culturally appropriate for the village of Kutsutkao and the Achuar people. This equipment is in line, from a technical standpoint, with other equipment installed in Achuar villages, such as solar panels for power, electric pumps to transport and distribute untreated water throughout

villages. In all 38 countries where these SunSpring Hybrid systems have been installed, the manufacturer, Innovative Water Technologies, has done an outstanding job of ensuring, through the design and training, that these systems do not clash with long established cultures and traditions.

After the project is completed, who will own the items purchased by grant funds? No items may be owned by a Rotary district, club, or member.

The Kutsutkao Village people, through their established hierarchy - Kutsutkao Board of Directors, will own the items purchased by grant funds.

FUNDING

Have you found a local funding source to sustain project outcomes for the long term? If yes, please describe this funding source.

Yes - our "on the ground" partners, Fundación Mente and Maketai, have committed to long term support of this project, culturally, technically, and financially.

Will any part of the project generate income for ongoing project funding? If yes, please explain.

In remote indigenous villages such as Kutsutkao, "income" and "revenue" are hard terms to define. Will the residents and women of Kutsutkao generate a commodity (potable water and chickens) that can be exchanged, traded, bartered, and sold in other communities - absolutely. Will such trade improve the lifestyle for the residents in Kutsutkao and the villages they trade with? Absolutely. Will this incentivize the women of Kutsutkao to properly maintain and operate our system. Will this trading save Kutsutkao residents money that they can now spend (although little is required) on maintaining this system? Absolutely

Is your economic and community development activity a microcredit project? If yes, upload your [microcredit supplement](#) file.

No

****SCHOLAR APPLICANTS WILL ANSWER THE FOLLOWING QUESTIONS:**

List the two educational institutions you have most recently attended:

Provide the following information about the academic program you plan to attend:

Matriculating educational institution (including city and country):

Language of instruction:

Website:

Academic program:

Academic program start date:

Academic program end date:

List the classes you plan to take and provide any relevant links to information about the program.

How does your educational, professional, or volunteer experience align with Rotary's goals in the selected area of focus?

What are your plans immediately after the scholarship period?

How do your long-term professional goals align with Rotary's goals in the selected area of focus?