

ANNUAL REPORT 2020



MESSAGE FROM THE PRESIDENT

Despite the COVID-19 pandemic that really affected our operations for 3 quarters of the year, the Alternative Indigenous Development Foundation, Inc. (AIDFI) is proud to present to our stakeholders the Annual Report 2020.

Like all other institutions or foundations, the activities of AIDFI are anchored to its vision of creating a society where technology and development systems exist in harmony with nature and serves as foundation of growth and sustainable development where people share and live in abundance and happiness and where there is peace, freedom and equity.

The continued quarantine period and number of lockdowns made AIDFI more compassionate to its staff by providing 100% support in their salary and other benefits, discounting the common practice of no-work, no-pay scheme. However, the foundation needed to tighten its belt in terms of giving priority to water project - establishing a sustainable water system for drinking, hand washing, household use or agriculture water system.

To ensure the delivery of water in households with fairness and a higher chance of collecting water fees for the association for sustainable operation, AIDFI developed a mechanical version of water kiosk that could provide 20 liters of water for a 1-peso coin. The innovation or invention has been recognized by partner organizations that consider water as the primary element in their VMG.

On behalf of the Board of Trustees, I would like to extend AIDFI gratitude to the many individuals and organizations for the continued support to the programs and activities amidst covid-19 pandemic. Also, I would like to express my gratitude to the Management team led by the Chief Executive Officer Mr. Auke Idzenga and the Chief Operating Officer Mr. Che Idzenga for the dedicated service and for upholding the value of commitment to the Vision of the foundation, and for coming up of this Annual Report 2020. I pray that everyone is safe in this time of pandemic and that years 2021 onward will be better for all of us.

Mabuhay!

Engr. Christopher Taclobos
President - BOT



MESSAGE FROM THE CEO

For AIDFI, as for anybody, anywhere in the world 2020 was a difficult and confusing year.

We started off well with being a finalist in the Water Category in the prestigious Zayed Sustainability Prize, which brought us in January to Abu Dhabi. With the management of the Prize, we talked about their 20by2020 program in which they donate sustainable technologies and solutions to vulnerable communities in 20 countries. Each solution or technology has been recognized by the Zayed Sustainability Prize as a winner or finalist. For AIDFI the request was to carry out ram pump projects in Costa Rica.

We had two new ram pump projects funded by Coca-Cola Foundation on the outskirts of Bacolod City, where AIDFI is based.

For the University of Negros Occidental – Recoletos we build a 40 cu.m biogas plant for their piggery.

Then halfway March we were faced with the lockdown. AIDFI closed shop for a period of two weeks, followed by a 50% operation. While other businesses adapted the no-work, no-pay scheme, AIDFI opted to fully support its employees. When full operation was allowed and resumed, AIDFI employed the six-day workweek to recover lost man-days.

The level of support from Coca-Cola Foundation, with whom we started partnering in 2012, was decreasing. On one hand they already reached their sustainability target of offsetting water and on the other hand they concentrated on WASH activities in urban areas in relation to the Covid-19. AIDFI had to say goodbye to some 6 regular staff and continue to work hard with the remaining 33 staff. Already AIDFI was working on diversification of funds, it became now even more urgent.

Unlike other organizations, AIDFI however did not want to move away from its focus (water). The already isolated and from services deprived areas in which we normally work, faced even more difficulties during the Covid-19 lockdowns. Water is essential for such communities to avoid the Covid-19 (drinking water, hand washing, regular bathing, and proper sanitation) and grow their own vegetables and raise their own animals.

The Covid-19 period was used to develop a mechanical version of the water kiosk. The first solar powered version which had been piloted in two upland communities, experienced as expected trouble with the too many electronic parts. For a long time, there was the idea of designing a kiosk around a mechanical coin acceptor (as used in gumball machines) and a toilet flush system. The idea went into our innovation center and worked out till perfected. The

design is truly an invention and will be patented as such. The model now follows our guiding slogan: “Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.” The water kiosk provides 20 liters of water for a one-peso coin. It will facilitate fair distribution and an increased collection for the water associations for their operation. Some associations already went into expansion or diversification and this is exactly what AIDFI likes to see happen: ram pump systems triggering further development in the communities.

With the situation of the Covid-19, the development around the ram pump projects planned for Costa Rica, slowed down, and had to be carried over to next year.

On the bright side: AIDFI became Outstanding (second) in the Korea World Water Challenge 2020. Winning Awards or recognitions is for AIDFI ideal for further getting attention to the still commonly unknown technology of the ram pump and for possibly new acquisition of projects or funding.

The Essential Oil Program was also hit by the Covid-19 situation since most hotels and Spa Centers had to close. Sales went down with some 50%. But AIDFI is always hopeful and forward looking. It continued construction of the second Lemongrass Oil factory, high in the mountains of Murcia. This in line with the idea of creating processing in the far-flung areas: from high volume-low value to low volume-high value. The factory is like the first one and funded for the major part by the Australian Embassy.

In the same time the trials with Tea Tree had given very good results. The plants grow well on the slopes and the technique of growing seedlings from cutting mastered. There is now one farm which has some 1500 Tea Tree plants and next year distillation of those is planned.

In August AIDFI had a Staff Development titled: “Surviving crisis and coming out stronger: together” which became extra meaningful with the situation faced by the families of the staff. It was a commitment to each other and to the work of AIDFI.

With that commitment, sense of ownership over the organization and programs, our assets (office, workshop, machines, means of transportation, skills and experiences), our innovative, flexible and dynamic character and last but not least the continued support of some individuals and organization, we are hopeful for the year(s) to come.

Auke Idzenga
Co-Founder/CEO



HIGHLIGHTS



20by2020 INITIATIVE BY THE ZAYED SUSTAINABILITY PRIZE

After being a finalist in the Water Category in the prestigious Zayed Sustainability Prize, we began talks about ram pump projects in Costa Rica as part of the 20by2020 initiative of the Zayed Sustainability Prize.

AIDFI is excited and looking forward to having AIDFI ram pumps installed in Costa Rica. We continue to develop new partnerships to further spread the ram pump all over the world.

NEW INVENTION BY AIDFI THE MECHANICAL KIOSK

The development of a mechanical water kiosk came as an idea to improve the collection system of water associations of ram pump water systems. After having tried a solar powered version of the water kiosk which proved to be more technically challenging especially for the ones who would be maintaining it. Despite the COVID-19 situation, this did not stop AIDFI from continuing to innovate and develop new ideas for the communities.

The mechanical water kiosk has now entered production phase and is set to be deployed beginning 2021. It is expected that communities who shall avail of this system can increase their collection by at least three (3) or more times which shall also ensure the sustainable operation of their water systems owned and managed by the water association.



AIDFI BECAME OUTSTANDING (SECOND) IN THE KOREA WORLD WATER CHALLENGE 2020



AIDFI participated with the holistic program around the ram pump in the World Water Challenge 2020, which is an international contest for water solutions. As a follow up activity of the 7th World Water Forum in 2015, it has been annually held in conjunction with the Korea International Water Week (KIWW), aiming to identify imminent water problems that the world is facing and to find feasible solutions to them. There were 6 challenges for which participants could present solutions. AIDFI participated in the Challenge 'Smart' Solutions for Water Management. For all 6 challenges there were a total of 9 finalists who had to present in front (online) for an international jury on November 20, 2020. During the presentation before AIDFI, there was a brown out (no electricity and thus internet). What a disaster. Immediately things had to be gathered and brought in a car to the house of Auke some 3 kilometers away. When the laptop was opened again on the kitchen table the moderator announced the presentation of AIDFI. It probably went well since AIDFI ended as an outstanding (read second place) for which it received a trophy, certificate, and prize money.



AUSTRALIAN EMBASSY FUNDS THE CONSTRUCTION OF 2ND ESSENTIAL OIL FACTORY IN MURCIA TOWN, NEGROS OCCIDENTAL



The Ananggue Essential Oil Producers Association organized by AIDFI in 2010 is set to operate the 2nd essential oil factory on the island of Negros. The construction is funded by the Australian Embassy in the Philippines, completion of the project is set for June 2021.

The essential oil factory sets on a scenic location in the middle of the community where farmers can bring their lemongrass plants and have it distilled into essential which is marketed by AIDFI. The farmer is paid immediately after distillation.



The factory will also be able to handle expansion into other essential oil and is equipped with complete facilities from receiving area, distillation area, laboratory, office and meeting place.

The factory will cater to 30 farmer families providing them with a spread income.

AIDFI COMPLETES BIOGAS SYSTEM FOR UNIVERSITY IN BACOLOD



Despite the onset of the COVID-19, it did not stop AIDFI from implementing projects and with the decrease in the number of water projects this allowed us to implement other projects. We implemented a 40 cu.m biogas system at the University of Negros Occidental-Recoletos (College of Agriculture).

The project was implemented by AIDFI personnel from October 15, 2020 and was completed on December 12, 2020.

AIDFI COMPLETES RAM PUMP SYSTEM FOR CITY OF HIMAMAYLAN

The project which was funded by the City Government of Himamaylan was started in July 2020 and completed in August in the same year. The ram pump system supplies the community of To-oy who for a long time had difficulty access to water.



WATER PROGRAM

PUMPING WATER UPHILL.

WITHOUT THE USE OF FUEL OR
ELECTRICITY.

OUR RAM PUMPS HAVE AVOIDED
***7,700 TONS** OF CO2 EMISSION
PER YEAR.



*COMPUTATION IS BASED ON 1,100 RAM PUMPS INSTALLED IN 580 VILLAGES.



Water for drinking and domestic use. Delivering much-needed drinking water to upland villages.



Water for productive use. Delivering water to upland farms to increase food production all-year round.



DID YOU KNOW?

AIDFI's WORK WITH THE RAM PUMP IS CROSS-CUTTING MOST OF THE SDGs.

The work of AIDFI with ram pumps is holistic from innovations, manufacturing, installation, setup of water of associations and continued monitoring it touches many SDGs through:

New innovations (monitoring app & water kiosk), green jobs in manufacturing and installation, empowered communities and women through water associations, extreme poverty countered, reduced inequalities in communities, better health and sanitation, increased income, renewable energy relating to Climate Action, kids going to school regularly and diversified production.



RAM PUMP PROJECT

130,000+
BENEFICIARIES

175
PROJECTS



FUNDED BY:

Coca-Cola
FOUNDATION.PH

WATER PROJECTS



SO. BALABAG, BRGY. GRANADA BACOLOD CITY, NEGROS OCCIDENTAL (DRINKING)

The implementation of the project was started on August 20, 2020 after all legalities pertaining to the project were completed. The community is located some 2 kilometers from their water source. The project benefits 262 people from the community who are members of the established water association namely Balabag Water Consumers Association

(BAWCA) which after the project conveyance will take ownership and management over the water system. The project was completed in October of the same year. The community will benefit from a sustained water output of 99,500 liters per day or 497 drums supplied to them 24/7.

SO. ADIANGAWAN, PRK. 16, BRGY. ALANGILAN, BACOLOD CITY, NEGROS OCCIDENTAL (PRODUCTIVE USE)

Adiangawan Small Farmers Association (ASFA) was formed locally to enhance cooperation among members of the organization of farmers and farmer vendors sector of the community. The association which has 53 farmer members was formed in 2018 and were set to receive a water system in support of their livelihood which is composed of a vegetable area (25.9 hectares) and piggeries. The project was implemented on April 20, 2020 and completed on June 5 of the same year. The project now supplies 216,000 liters per day or 1,080 drums per day continuously which will help increase



their volume production allowing for year-round production. The project was conveyed on October 14, 2020. Both projects were identified and brought to us by the office of councilor Carl Lopez of Bacolod City.



SO. ANTAWAN, BRGY. BUENAVISTA, MURCIA, NEGROS OCCIDENTAL

The Sitio Antawan Small Farmers Association (SASFA) received their first water up through the ram pump water system on December 16, 2020. The community which is composed mostly of agricultural workers will benefit from a continuous supply of 15,048 liters per day for 60 households or more than 400 people. The project was co-funded by both the Coca-Cola Foundation, Inc. and the Coca-Cola Foundation Philippines, Inc.



BRGY. PANDANON, DON SALVADOR BENEDICTO, NEGROS OCCIDENTAL

The project funded by the Coca-Cola Foundation Philippines, Inc. in partnership with AIDFI and the Department of Agriculture: Special Areas for Agricultural Development of which Pandanon Integrated Upland Small Farmers Association (PIUSFA) is a beneficiary of the program.

The project implementation started on October 28, 2020 and it set to complete in the first quarter of the year 2021. The water that will be delivered by two (2) 3" ram pumps will be used for agricultural development by the farmer's association who are collectively managing an area that focuses on organically grown vegetables both for the local market and their consumption.

ESSENTIAL OIL PROGRAM

In 2004, we organized the first of two (2) essential oil producers association assisted by AIDFI. The **Mambugsay Essential Oil Producers Association (MEOPA)** located in the South of Negros Occidental. The community has been producing lemongrass oil since 2005 in a decentralized distillation plant in the mountains. The project benefits 20 farmer families.

In 2011, another community was organized in the town of Murcia, Negros Occidental. The **Ananggue Essential Oil Producers Association (AEOPA)** is benefitting 30 farmer families.

In 2015, the first complete decentralized distillation plant in Mambugsay was funded through the Embassy of Japan in the Philippines.

The second distillation plant is under construction in Ananggue which is funded through the Australian Embassy and is set to be completed in the second quarter of 2021.





COMMUNITY BASED ENTERPRISE: ESSENTIAL OIL DISTILLATION



In the 90s when AIDFI just started it had four (4) programs: Appropriate Technologies, Agriculture, Health and Education. The Appropriate Technologies took off with until now its flagship technology the **AIDFI Ram Pump**, and because the technologies that were manufactured by AIDFI were directed to benefit marginalized communities and farmers in the mountains it was sooner and later that we got involved in marketing of agricultural products, but this proved to be a big challenge and even though this was beneficial for the farmers, it was not sustainable in terms of long term, and we were just happy to be just at breakeven point.

The challenge was mostly how to get bulk products to the market at a competitive price given that roads were not well and the cost of transporting the high volume with low value would take up a lot from the end price.

The idea never left AIDFI. It was a matter of what this could be and that is when we came across essential oils in the early 2000s.

Even before we got to know about essential oil, our CEO who was bringing to a local grilled chicken store lemongrass which was planted along contour lines on the farm of his father-in-law in the mountains of

Mambugsay in Cauayan, Negros Occidental. This was so his father-in-law could earn a living from it.

When we got to know that there was higher value when processed into essential oil, we started organizing together with Gregorio Saldua and the farmers in the surrounding area to form into an association. The idea was that processing should be in the community itself (decentralized) and should be operated by the association.

Some 20 farmers were organized, a small distillation factory was set-up in the community. The distillation is done by the association and AIDFI buys the oil which then markets locally and also for export.

For the past 15 years the program has provided 50 farmers with regular spread income as compared to other crops such as sugarcane which is a monocrop.

The idea now is to add other essential oil which would give additional income sources for the farmers.



SUPPORT THEM.

Every product you buy
supports the small
farmers earn a
decent income
for their family



SUSTAINABILITY PROGRAM

Sustainability is at the core front of our projects. It means that activities are developed accordingly to ensure sustainable systems and communities. We have thereby adopted high tech approaches to bind with our low-tech offering “the ram pump”.

We continue to monitor ram pump water systems throughout a period of 10 years and even beyond that period. Our monitoring app allows for constant proactive monitoring of the systems providing key data that help identify how the system is currently operating.

The systems are set up in a way that the water association can provide the services, maintain and improve the system. For this it is important that they can collect enough funds from the water tariffs. Throughout the years, water associations would collect monthly water dues from its members, the members were clustered in groups that were served through tap points (communal faucets) which was controlled at the main reservoir. It did however present some problems: some members would use up more water than others and some would not pay the monthly dues.

We looked at it as a challenge and knew that improving this area would not only ensure collection but also make the distribution more equal and even increase the water association’s fund which was vital in terms of their sustainability. We worked on using the concept of the “PISO COIN” water kiosk where a member would throw in a PESO and gets one (1) container of 20 liters water. Since communities were far flung and mostly with absence of electricity, we worked with a solar setup but this was too sensitive and getting the spare parts for the electronic components was quite difficult and costly.

We then started to work on a mechanical version of the water kiosk using the gumball mechanism which would trigger the release of the 20 liters water. At the end of 2020, the concept has now been readied for production and is set to begin deployment in some communities in 2021.

**[WE ARE LAUNCHING A NEW PROGRAM
FOR SUSTAINABILITY IN 2021]**

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2021 - 2023



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Finance

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COO

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Operations



Production

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SURVIVING CRISIS AND COMING OUT **STRONGER TOGETHER**



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