

One Health & Development Initiative

2022 ANNUAL REPORT



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ABBREVIATIONS AND ACRONYMS

AMR	Antimicrobial Resistance
AQWR	Aquaculture Welfare Research
AU-IBAR	African Union-InterAfrican Bureau for Animal Resources
AWRA	Animal Welfare Research in Africa
CFH	Conservation Food and Health Foundation
FAO	Food and Agriculture Organization
FY	Fiscal Year (January – December 2022 Fiscal Cycle)
HR	Human Resource
HWR	Hen Welfare Research
LGA	Local Government Area
M&E	Monitoring and Evaluation
MEAL	Monitoring Evaluation Accountability and Learning
NGO	Non-Governmental Organization
OHCs	One Health Clubs
OHDI	One Health and Development Initiative
PCGN	Pangolin Conservation Guild Nigeria
SP	Strategic Plan
WAAW	World Antimicrobial Awareness Week
WASH	Water, Sanitation and Hygiene
WHO	World Health Organization

ACKNOWLEDGMENTS

The management, Board of Trustees and Board of Advisors of One Health and Development Initiative (OHDI) wish to appreciate its many stakeholders, funders, and partners in their unflinching support for the organization from inception till date – especially in the fiscal year 2022.

We appreciate members of the public and the target communities - with whom we collaboratively implemented our numerous research, awareness, outreaches, advocacies, and training programmes - for their engagement, participation, and ownership of the community-based One Health activities. These include chiefs, kings, leaders, and members of *Epe, Badagry and Surulere* in Lagos State; *Iyana Lapeleke, Olorunda, Abule Titun, Abule Olosun, Abule Momoh, Akaka, and Orile Oko* communities in Ogun State; *Ssaanu, Bamidele, Jarija, and Irawo Owode* communities with *Oje and Oja-Oba* markets in Oyo State; *Ijan, Ogbese and Erijinyan* communities in Ekiti State; *Ogbese, Ipogun, Ileoluji* and *Okeigbo* LGAs in Ondo State; and *Osu* community in Osun State

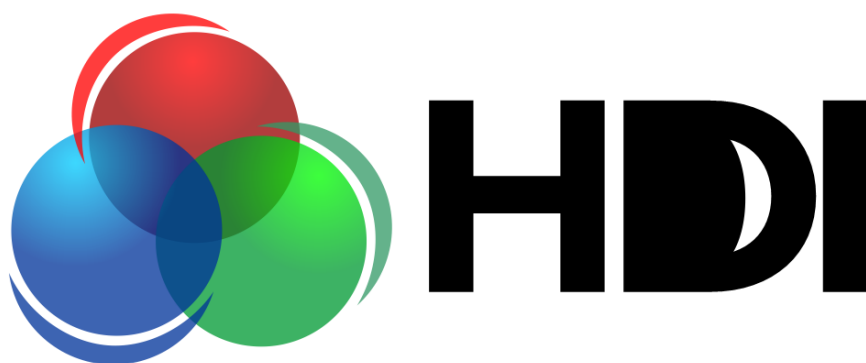
We also appreciate our esteemed Funders who have supported our work through grant donations, in-kind support, training, and mentorship. These include the African Union - InterAfrican Bureau for Animal Resources (AU-IBAR), Conservation Food and Health (CFH) Foundation, The United States (US) Consulate, Animal Charity Evaluators (ACE), African Network for Animal Welfare (ANAW), Open Wing Alliance (OWA), and Effective Altruism (EA) Funds.

We further appreciate our implementing partners – individuals, institutions, consultants, and ad-hoc employees - who align with our vision and have worked tirelessly in collaboration, leveraging on each other's strengths, skills, and resources to implement our projects in the One Health spirit. These include Prof. Olajumoke Morenikeji, Founder of the Pangolin Conservation Guild, Nigeria (PCGN); Prof. Alexander Odaibo of the Parasitology Research Unit, Department of Zoology, University of Ibadan, Nigeria; Dr. Ayodele Majekodunmi, National Coordinator, Emergency Centre for Transboundary Animal Diseases, Food and Agricultural Organization (ECTAD-FAO), Dr. Adewole Adekola, Researcher, Royal Veterinary College, University of London, United Kingdom; Madam Foluke Areola, Board Member and Director, Aquatic Hub Afrique Network Nigeria; Dr. Tayo Ajibade, Coordinator of Veterinary Services, Veterinary Teaching Hospital, University of Ibadan and Eruwa; Dr. Obiageli Nebe, Director and Programme Manager, National Schistosomiasis/STH Elimination Programme, Federal Ministry of Health, Nigeria; Mr. Gideon and other state and national-level staff of the Schistosomiasis Elimination Programme; Dr. Maimuna Habib, Chief Veterinary Officer of Nigeria (CVON), and national and state-level staff of the Department of the Veterinary and Pest Control Services (DVPCS), Federal Ministry of Agriculture and Rural Development (FMARD), and the leadership and principals of the secondary schools Oladipupo Alayande

School of Science and Oke-Bola Comprehensive High School in Ibadan, Oyo State, Nigeria.

Finally, we appreciate our dedicated workforce which include our members of staff, interns, and volunteers who work selflessly designing and implementing our One Health projects; carrying out research and demonstrating effective teamwork to ensure that the organization is running seamlessly, meeting laid out goals, and making the desired One Health impact.

We thank you so very much!



One Health & Development Initiative

EXECUTIVE SUMMARY

One Health and Development Initiative (OHDI) is an organization established to inform the public, advocate in spaces, and implement solutions to human, animal, environment, and ecosystem health in Africa through the integrated One Health approach. Our mission is rooted in the belief that public health issues are intertwined thereby requiring a holistic approach to effective and sustainable solutions. Therefore, in implementing our various activities, we consistently integrate the core values of “One Health” to achieve sustainable results in health promotion and sustainable development.

This Annual report for the fiscal year 2022 provides a brief reflection on our past achievements; details our reach, accomplishments, and impacts for the year, and also provides insight into our future expectations. Since we activated implementation of our Strategic Plan 2021-2025, we have reached over 3.6 million people with news, and information on One Health via, traditional and digital media channels, and directly impacted more than 3,800 people in 10 communities via community-based outreaches, training, and animal health services.

In the course of the fiscal year 2022, we have implemented projects and research activities in 28 Nigerian states, conducted pan-African research activities, and trained over 150 people across 9 countries in different inter-related One Health issues, building their capacity to sustain impact in their relevant locations. Our programs have specifically improved knowledge and/or impact in schistosomiasis and rabies control, meat hygiene, pangolin conservation, animal welfare promotion including aquaculture and hen welfare, and antimicrobial resistance. We have maintained our commitment to growth, excellence, and impact by constantly improving our programme design and internal organizational structures, and revising our financial, M&E and human resource policies and systems. To facilitate our work activities, we were entrusted with financial resources amounting to \$129,150 – thanks to our supportive funders – and our workforce has grown by 61%.

As an organization committed to evidence based cost-effective One Health impact, we hope that our work inspires you to action and in joining us to implement the One Health approach for sustainable health and development of all humans, animals, and our ecosystems.

INTRODUCTION TO OHDI

One Health and Development Initiative (OHDI) is a nonprofit organization registered in Nigeria in June 2019 to address interrelated issues of human, animal and ecosystem health using the One Health approach. Our mission is to inform the public, advocate in spaces, and implement solutions to human, animal, environmental, and ecosystem health through the integrated One Health approach. We believe that public health and development issues are intertwined across these ecosystems thereby requiring a holistic approach to effective and sustainable solutions. Therefore, in implementing our various projects, we integrate the core values of "One Health" to achieve effective results in health promotion, and sustainable development. Additionally, we are dedicated to facilitating research, education, awareness, policy advocacy, and implementing evidence-based and impact-driven solutions to One Health issues within and beyond Nigeria.

The organization has identified 7 key One Health outcomes and programmatic areas through which it designs and implements its projects. These include Zoonoses, Animal Welfare, Environmental Health, Food Security, Food Safety, Conservation and Biodiversity, and Antimicrobial Resistance (AMR). To effectively manage these programs, OHDI will implement relevant evidence-based, high-impact community-focused projects and research, and utilize a variety of effective implementation strategies including the media, advocacy, and technology for its desired impact. Our Board, management and staff are committed to the core values by which we coordinate our activities, operations and engage with our stakeholders. These include teamwork and collaboration, integrity, accountability, excellence, community-focused, and impact-driven values of work.

OUR PROGRAM ANTECEDENTS

Project Abattoir Nigeria (2017)

Project Abattoir Nigeria was a nationwide public health advocacy and media project that investigated, reported, and engaged abattoir workers and the Nigerian public on the challenging issues of unhealthy abattoirs, poor meat hygiene, and eating infected meat. This project was funded by the Code4Africa's ImpactAFRICA program and implemented in 2017. The project activities spanned across 11 abattoirs in Nigeria and engaged veterinarians, meat inspectors, butchers, and cattle herders, while engaging the public via published media articles and advocacy on the contending issues. A major successful outcome of Project Abattoir Nigeria was the action taken by the government parastatal of one of the abattoirs in Oyo State, who initiated a major shift in policy implementation on meat edict and laws governing the abattoir's positioning and use. [More information on the project can be found here.](#)

Project Fish and Oceans (2018)

Project Fish and Oceans was an agriculture and journalism project, supported by Internews, that investigated on ocean resource conservation, and the health and economic effects of Nigeria's over-reliance on fish importation. The main project output is the report publication on the Internews Earth Journalism Network (EJN) and a local Nigerian newspaper. [More information on the project can be found here.](#)

One Health Advocacy and Mentorship (OHAM) (2020)

The OHAM fellowship was a six month-long virtual fellowship program that engaged 13 select young professionals and students on One Health education, media advocacy, and career mentorship. Key fellowship activities included guided virtual training and webinars on various focus areas of One Health, twitter chats, and weekly meetings with interdisciplinary mentors. At the end of the program, 12 OHAM Fellows demonstrated improved awareness and knowledge of One Health, increased capacity to apply One Health values and principles to their work, and motivation to make career choices in line with One Health. [More information on the project and related activities can be found here.](#)

Clean Up Ijora (2020)

The Clean Up Ijora activity included an environmental clean-up of the Ijora Fish Market in Lagos (Nigeria), awareness promotion on environmental sanitation, and implementation of a relevant KAP (Knowledge, Awareness, and Perception) research. This was a follow-up activity from the OHAM program and was led by one of the OHAM Fellows, Iyiola Oladunjoye and supervised by assigned mentor: Madam Foluke Areola. [More information on the project and related activities can be found here.](#)

One Health Photo Competition (2020)

The One Health Photo Competition was a global advocacy activity that encouraged One Health enthusiasts across the world to showcase an interaction between human, animal, plants and/or environmental health through creative images and pictures bearing One Health messages. The photo competition was organized in 2 entry cycles, and through this, we received 139 entries from 26 countries across the globe! [More information on the project and related activities can be found here.](#)

Promoting Animal Welfare in Nigeria (PAWN) (2020 - 2021)

Project PAWN (Promoting Animal Welfare in Nigeria) piloted a community-based humane and animal welfare education program in Pagun - an agrarian community in Ibadan, Nigeria - and improved communities' access to quality animal health information and services. This project was supported by Animal Kind International

(AKI) and key project outputs included the training of 20 farmers on humane education. In addition, over 70 farmers were provided with subsidized animal health services including vaccination and deworming. Also, through the project, we were able to create WhatsApp communication platform access to the communities for free veterinary consultation, and an online directory of veterinarians across Nigeria. [More information on the project and related activities can be found here.](#)

Conservation Education (CED) (2020 - 2021)

Project Conservation Education (CED) provided members of a target coastal community – *Iwuopom Opolum* Community – in Akwa-Ibom State, Nigeria with awareness and training on good ocean conservation and environmental management practices. This project was supported by the British Ecological Society (BES) and key project activities led to the development and launch of a [Conservation Education Training Manual for Coastal Communities in Nigeria](#); engaged and trained over 50 community members on ocean conservation; implemented a photo expedition and [photo book](#) to showcase the community environs and highlight the contending issues. The project also had a webinar that facilitated stakeholders discussion on ocean conservation and environmental management in Nigeria. [More information on the project and related activities can be found here.](#)

OUR 2022 PROGRAMMATIC ACHIEVEMENTS

COMMUNITY-BASED PROJECTS

Pangolin Conservation

In collaboration with the Pangolin Conservation Guild Nigeria, OHDI has been implementing the Project Pangolin Conservation in Epe Local Government Area (LGA), Lagos State to improve community education and action against the trafficking and consumption of Pangolins and other endangered animals in the wild. Various species of Pangolins in Nigeria are either endangered or threatened as they continue to be hunted for their meat, presumed local medicinal properties, and for their scales which are largely being exported to Asian countries. Coincidentally, during the COVID19 pandemic, Pangolins received global attention when it was suspected that their trade in Chinese wet markets originated from the disease.

The Project Pangolin Conservation kicked-off in January 2022 and sought to achieve its goals by promoting community-based advocacy on Pangolin conservation and establishing local stakeholder response systems for monitoring, reporting, and addressing Pangolin trafficking practices. To achieve these, several advocacy visits were made to the 3 Chiefs of Epe, and community rallies and a town hall meeting were organized with market leaders and government stakeholders. Awareness

campaigns were also supported by several radio and TV interviews and jingles, and information materials such as flyers, banners and stickers were strategically distributed and positioned across the community and wildlife markets.

The project also culminated in the commemoration of the World Pangolin Day 2022 which congregated and educated over 500 attendees on the need for Pangolin conservation with discussions on promoting community action and ownership on the matter. Key stakeholders from the community, wildlife markets, hunters, government bodies (including the Minister of State for Environment, Nigeria), schools, religious bodies, law enforcement agencies, and forest rangers were present. In addition, National Environmental Standards and Regulations Enforcement Agency, National Park Service, Zoological Society of Nigeria, International Institute for Tropical Agriculture (IITA), and Wildlife of Africa Conservation were all duly represented at the event.



Picture 1 – Photo Collage from Project Pangolin Conservation

This sequence of awareness activities was followed by the creation and training of a community taskforce made up of 44 community members, government institutions, and law enforcement agencies. The Community Pangolin Conservation Taskforce (CPCT) were trained on knowledge, rehabilitation, rescue, and care of pangolins, and have since been working as a unit to monitor and share information to curb the activities of illegal sellers and traffickers of Pangolins.

As at the time of writing this report, all pangolin sales units in Epe wildlife markets which used to openly display and trade live and carcasses of Pangolins have been removed and one defaulter has been arrested and is being prosecuted. Plans for prospective scale up of this project is to engage more communities in community outreaches and media advocacy for endangered and threatened animals, establish more community task forces to monitor and protect wildlife animals, and support community members in livelihood programs that would sustain them and their ecosystems.

Community Outreach on *Aspergillus* Contamination of *Ponmo* and Meat products

In conjunction with a coalition of graduate students from the University of Ibadan Students, OHDI carried out a series of awareness campaigns in 3 markets in Ibadan (Oyo State, Nigeria) to sensitize people on the risks associated with consuming infected and contaminated cow skin – a delicacy popularly known in Nigeria as *ponmo*. *Aspergillus spp* is known to be associated with the production of cancer-causing aflatoxin on cow skin and the eventual transfer of such to humans during consumption. The presence of these organisms was further confirmed in the graduate thesis and research conducted by some of the graduate students on *ponmo* samples collected from the markets.

Over 500 cow skin traders were educated on the dangers of *Aspergillus* and other fungal and bacterial infections, and taught good hygienic practices of proper processing, storage, and preservation of *ponmo* before sale.






Theme: **YOU ARE WHAT YOU EAT** **ÀTINÚDÉTA**

PONMO CONTAMINATION AWARENESS





DANGERS OF EATING PONMO CONTAMINATED WITH ASPERGILLUS

- | Shortness of breath | Chest pain
- | Cough with bloody sputum | Headache
- | Fever and chills | Skin lesions
- | Liver cancer

ÀWON EWU TÍ O WÀ NINU IJE PONMÓ ONIDOTÍ:

- | Ìmí kùkùrú | Àyà didùn | Ikò elèjè
- | Orififó | Ara gbìgbóná àtí òtútù
- | Ogbé ara | Ààrun jejere èdò

WAYS OF PREVENTING THE RISK OF TRANSMISSION OF ASPERGILLUS FUNGUS

WASH - Wash hands properly before and after handling meats and ponmo. Wash and clean slaughtering tools, clothing materials properly after every use. Wash ponmo thoroughly with clean water and oil separately before adding to stew/soup. Practice proper hygiene in butchering houses, among food handlers and meat processors.

AVOID - Avoid mixing animal skin with the animal parts on Abattoir floor. Stay away from eating dried meat and ponmo with visible fungal growth.

USE - Use clean water for cooking and washing. The water used in soaking ponmo should be replaced with clean water as many times as possible.

STORE - Store dried ponmo and other meat products under appropriate conditions. Do not expose to air and sun for long periods.

ỌNÀ TÍ A FILÈ DÈNÀ IDOTÍ NINU PỌNMO.

FÍFỌ - Fọ ọwọ méjèjì tónitóní kí o tó ẹ pọnmo àtí lẹyin igbà tí o bá ẹ pọnmo.

Fọ irin isẹ, ohun èlò àtí aṣọ isẹ lẹyin tí ì bá tí ẹ pọnmo àtí ẹran tán.

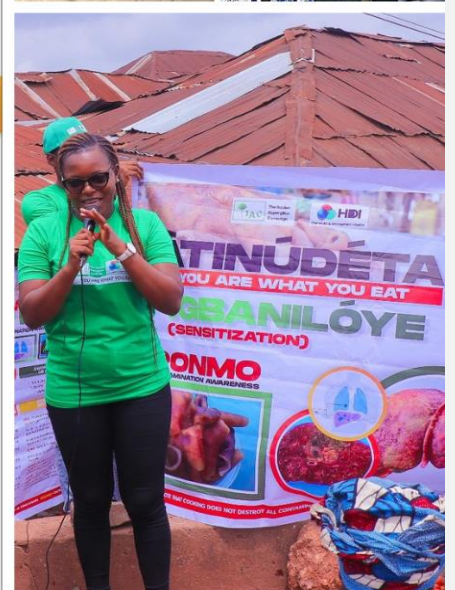
Fọ pọnmo dádádára pẹlú omi tí o mó, kí o sì bọ lẹtẹ kí o tó fi sínú ọbẹ.

YẸ'RA - Yẹ'ra fún didápò inú ẹran pẹlú awo ẹ.

Kí o sì yẹ'ra fún jìjẹ pọnmo àtí ẹran gbìgbẹ tí o tí n'wu olú.

ÀÀBÒ - Rí wípẹ o lo omi tí o mó láti fi pèsè ọ̀unjẹ, kí o sì rí dájú pẹ o yí omi tí o fi rẹ pọnmo padà sí mimọ l'ore k'ore

IPAMỌ - Fi ponmo gbìgbẹ ati awon ẹran gbìgbẹ miiran si ipamọ ni ibi ti ọrùn kò tí ní p'awon ju ati ibi ti atẹgùn kò ti poju. Ma sa ponmo gbìgbẹ si ọ̀orùn fún igbà pipẹ.



Picture 2 – Photo Collage from Community Outreach on Aspergillus

Project Eliminate Rabies

Project Eliminate Rabies is working to promote community awareness and action against the spurious outbreaks of rabies in Nigeria while conducting community drives for dog vaccination. The project began as a commemoration of the World Rabies Day in September 2022 in Ibadan, raising awareness and free rabies vaccination campaigns. We took these engagements to 2 schools, and 5 communities in two south-western states in Nigeria: Oyo and Osun states, respectively.

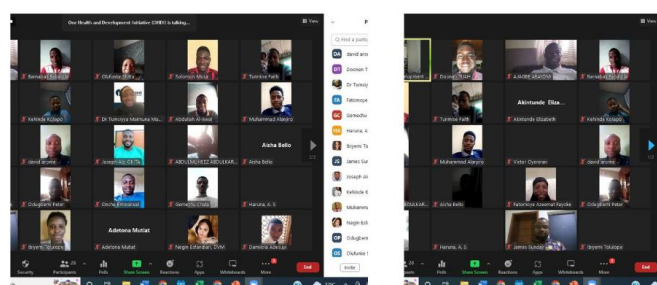


Picture 3 – Photo Collage from Project Eliminate Rabies

In total, over 5,000 people have been reached through this targeted campaign and information on rabies. And we achieved much more through our radio awareness messages. Furthermore, our project team which includes volunteer veterinarians have vaccinated about 250 dogs and cats. In 2023, we look forward to scaling this to more communities, states, and regions of Nigeria especially those areas that are considered high-risk of rabies outbreaks or prevalence.

One Health Clubs

This is a youth-led impact group that offers valuable training and experience rooted in the One Health approach for students and young professionals. One Health Club aims to facilitate mentorships, internships, networking opportunities, development of leadership skills and global opportunities to give back to immediate communities with the view to building future leaders in the One Health space. The club launched officially on 12th August, 2022 with the training of its first cohort of 42 members from 9 different countries on One Health technical areas such as Zoonoses and Public Health, Animal Health and Welfare, Food Security, Environmental Health, Conservation and Biodiversity, Antimicrobial Resistance and technical operation areas such as Monitoring and Evaluation, Project Management, Leadership, Public Speaking, Research, Advocacy and Policy Influencing, Social Media and Communications, Fundraising, and Budgeting and Grants Management.



Picture 4 – Photo Collage from Project One Health Clubs

A member of the first cohort of One Health Club, Mutiat Adetona speaks on her experience so far:

"I think that it is very well structured. I love the fact that there are modules. There is a lot of interaction during the classes and everybody is being carried along. In online events, people mostly join without them really being part of the class. But with One Health Club, everybody is really engaged and that is one of the things I really like".

Members of the first cohort of One Health Club are currently at the project implementation stage of their training in which at least one project of their choice in any area of One Health will be implemented with the support of OHDI.

In 2023, we look forward to strengthening the One Health Club project and establishing new cohorts across both Anglophone and Francophone countries and supporting them to implement collaborative One Health projects or engagement into relevant opportunities.

Aquaculture Welfare Intervention

The Aquaculture welfare Intervention program is a project that seeks to train and support fish farmers and stakeholders in Nigeria on the implementation of good welfare and management practices and systems on fish farms. The project started in November 2022 following the conclusion of the Aquaculture Welfare research and data collection. We are currently developing a manual to be used as a major resource for training and capacity building activities for fish farmers in FY 2023.

RESEARCH

Compelling Case for Animal Welfare in Africa (Project AWRA) (2021 – 2022)

OHDI, through the leadership of its Founder, Dr. Kikiopé Oluwarore, led a consortium of international researchers and the OHDI Animal Welfare team in implementing a pan-African Animal Welfare research commissioned by the African Union-InterAfrican Bureau for Animal Resources (AU-IBAR).



Picture 5 – Photo Collage from Project AWRA research presentation

The research gathered data on the status of animal welfare in Africa and provided evidence-based reports on the impact of animal welfare on public health and socio-economic development of countries in Africa. This project report and results were presented at the 13th meeting of country-level Chief Veterinary Officers (CVOs) and delegates of the World Organization for Animal Health (WOAH), and the 6th Africa Animal Welfare Conference (AAWC), both in 2022.

Integrated One Health Research and Intervention on Schistosomiasis in South-West Nigeria (Project SCHISTO) (2021 – 2022)

Project SCHISTO was a major research work that sought to determine the current distribution of schistosomiasis in the southwest region of Nigeria and community-relevant risk-factors that drive the prevalence of the disease. The research was conducted across the 6 states in south-western Nigeria: Oyo, Ogun, Ondo, Osun, Ekiti, and Lagos states. The following objectives were implemented:

- i. To identify the areas and/or communities where schistosomiasis is most prevalent.
- ii. To determine peculiar environmental health risks and factors that drive the continuous prevalence of schistosomiasis in the identified communities especially with regards to the existence of WASH facilities and practices (if any).
- iii. To determine the animal-related risk factors that perpetuate the existence and prevalence of schistosomiasis in identified communities especially with regards to the presence of snails (the intermediate hosts) and general livestock farm practices that may be sources of schistosomiasis species cross-infection and re-infection.
- iv. To assess socio-cultural perceptions, norms, beliefs, and practices that drive the persistent prevalence of the disease in identified communities.

This research was implemented using qualitative mixed methods approach. These included the conduction of a literature review, and deployment of focus group discussions (FGDs) and key informant interviews (KIIs). Main research activities included area mapping, stakeholder engagement, data collection/analysis, report publication and dissemination to stakeholders.



Picture 6 – Photo Collage from Project SCHISTO

This project has since been completed and our findings on the Integrated One Health Research and Intervention on Schistosomiasis in South-West Nigeria have been duly disseminated in a meeting with about 35 national and global stakeholders working on schistosomiasis. The report manuscript is being processed for publication and more importantly, the research results have provided insights for next-level interventions for combating schistosomiasis in Nigeria. This will be the focus of our work in this area FY 2023.

Project AMR

The research seeks to promote stakeholder action on AMR in Nigeria through evidenced-based research and engagement of One Health stakeholders. A survey to evaluate stakeholder knowledge, perception, action, and achievements in combating AMR in Nigeria is ongoing while evaluating implementation of the National Action Plan on AMR is also being assessed. The aim is to provide information on the level of awareness and stakeholder action on the growing threat of AMR and proffer key recommendations for One Health integration, effective programming and impact in combating AMR. Data collection has been completed and data

analysis is still ongoing. Report publication and dissemination will be completed in FY 2023. Next-level interventions will be informed by the research that is expected to begin in the same FY 2023

COVID19 Information Research (2022)

This research sought to identify the sources of COVID19 information accessible to Nigerians during the first wave of the pandemic with the view to evaluate communication patterns and the preponderance of false information about the pandemic. The survey was borne out of the need to identify gaps in communication and inform health communication strategies for similar disease events in preparation for future global and public health emergencies and challenges. The research report has been concluded and is currently being prepared for publication.

Aquaculture Welfare Research (Project AQWR)

Project AQWR is a baseline study on Aquaculture welfare in Nigeria. The research seeks to evaluate stakeholder knowledge, perception, and practices of aquaculture welfare in Nigeria to support, design and foster the implementation of effective interventions. The research was implemented in 18 states across the 6 geopolitical zones in Nigeria and engaged identified stakeholders including government agricultural ministries, researchers, leaders of fish-farmers associations, fish-farmers, and consumers. The data collection process has been completed and the data analysis and report documentation are currently ongoing. This research will inform our Aquaculture Welfare Intervention project already scheduled for FY 2023.



Picture 7 – Photo Collage from Project AQWR

Hen Welfare Research (Project HWR)

In similar processes with Project AQWR, Project HWR is a baseline study on Hen Welfare in Nigeria – focusing on evaluating stakeholder knowledge, perception, and practices of the battery cage system in Nigeria. The research was also implemented in 18 states across the 6 geopolitical zones in Nigeria and engaged identified stakeholders including government agricultural ministries, researchers, leaders of poultry farmers associations, poultry farmers, and consumers. The data collection process has been completed and the data analysis and report documentation are currently ongoing. This research will inform our further plans for Hen Welfare Interventions in FY 2023.



Picture 8 – Photo Collage from Project HWR

MEDIA CAMPAIGNS

In the course of the year 2022, several media campaigns were implemented utilizing media channels particularly social media and radio. Our media campaigns were drawn around several themes in Food Security, Conservation and Biodiversity, AMR and Zoonoses. Some of these campaigns were also held to commemorate certain days important to One Health. These include:

One Health Awareness Month

On January 29th 2022, OHDI hosted University and College students interested in practical One Health learning, engagement, mentorship, and advocacy via a webinar to commemorate the One Health awareness Month.



The image is a promotional poster for a webinar. At the top left is the logo for the One Health & Development Initiative (HDI), which consists of three overlapping circles in red, blue, and green, followed by the letters 'HDI' in a large, bold, black font, and the full name 'One Health & Development Initiative' in a smaller font below. To the right of the logo, the text reads 'In commemoration of 2022 One Health Awareness Month' in a black, sans-serif font. Below this, the word 'presents' is written in a cursive script. The main title of the webinar is 'A Webinar for One Health Students', enclosed in a black-outlined box. Below the title, the theme is stated as 'Theme: Promoting Students' Action for One Health' in a large, bold, blue font. A blue banner with the word 'Speakers' in white is positioned to the left of the speaker portraits. There are five circular portraits of the speakers and the host. The speakers are: Dr. Idris Ola (Medical Doctor), Dr. Oluoma Agiri (Veterinarian), Pharm. Chiamaka Jibuaku (Pharmacist), and Mr. Iyiola Oladunjoye (Microbiologist). The host is Dr. Kikiope Oluwarore (Executive Director, One Health and Development Initiative). At the bottom, a white banner contains the date 'Saturday, 29th January, 2022', the platform 'Zoom', and the time '4pm WAT', each preceded by a small icon (calendar, location pin, and clock respectively).

HDI
One Health & Development Initiative

In commemoration
of 2022 One Health
Awareness Month

presents

A Webinar for One Health Students

Theme:
**Promoting Students' Action
for One Health**

Speakers

Dr. Idris Ola
(Medical Doctor)

Dr. Oluoma Agiri
(Veterinarian)

Pharm. Chiamaka Jibuaku
(Pharmacist)

Mr. Iyiola Oladunjoye
(Microbiologist)

Host
Dr. Kikiope Oluwarore
(Executive Director, One Health
and Development Initiative)

Saturday, 29th January, 2022 **Zoom** **4pm WAT**

Picture 9 – Webinar Invitation to commemorate One Health Awareness

Drawing from their wealth of experience, the moderators, Dr Kikiope Oluwarore, Founder, One Health and Development Initiative, Dr Idris Ola, Founder of the Blue-Pink Centre for Women Health, Pharmacist Chiamaka Jibuaku, a researcher at The Kensington Research Centre, University of Gothenburg, Sweden, Dr Oluoma Agiri, a commonwealth Scholar at the London School of Hygiene and Tropical Medicine and Iyiola Oladunjoye, an Erasmus Mundus Scholar at the University of Barcelona, Spain spoke on the theme 'Promoting Student Action for One Health'. They persuaded the audience to promote awareness and engage in One Health activities within their capacity. This webinar began the culmination of further engagements that have now led to the establishment of the One Health Clubs.

Food Security and Alternative Proteins

In response to the looming crisis of existent food security driven by increasing population, climate changes, unsustainable farming practices and poverty, a webinar with the theme “Food Insecurity: Alternatives to meeting Africa’s growing protein demands” was organized by OHDI.

The informative webinar was led by Samuel Ogah, OHDI’s Animal Welfare Team Lead as the Keynote Speaker. In it, he discussed the viability of alternative proteins and what Africa as a continent stands to benefit with resultant positive effects on the human health, welfare of animals farmed for consumption purposes, environmental sustainability and climate change mitigation. Follow-up actions on this webinar are expected to be implemented in FY 2023.

A graphic invitation for a webinar. At the top left is the OHDI logo (One Health & Development Initiative) with the text 'HDI' and 'One Health & Development Initiative'. To the right, the text 'JOIN THE WEBINAR' is in large white letters, followed by 'on' in smaller white letters. Below this, a green rounded rectangle contains the text 'FOOD INSECURITY: ALTERNATIVES TO MEETING AFRICA'S GROWING PROTEIN DEMANDS' in white. At the bottom left, a green horizontal bar contains the text 'SPEAKING: SAMUEL OGAH, OHDI TEAM LEAD - ANIMAL WELFARE' in white. Below this bar, the date and time 'Saturday 12th Nov. 2022' and '4:00 PM (WAT)' are listed. On the right side, there is a circular portrait of Samuel Ogah, a man with short dark hair and a beard, wearing a suit and tie.

Picture 10 – Webinar Invitation on Food Security and Alternative Proteins

World Rabies Day

OHDI organized a webinar on the topic: One Health Action in Rabies Eradication. This webinar aimed to educate individuals on the Nigerian One Health Action in Rabies Eradication. The speakers, Dorcas Mernyi, The Program Manager for Zoonotic Neglected Tropical Diseases, Department of Public Health, Federal Ministry of Health Abuja and Dr. Ayodeji Olarinmoye, The Head, Department of Agricultural and Industrial Technology, Babcock University highlighted the current achievements and gaps in the one health action against rabies eradication.



Picture 11 – Webinar and Twitter Chat Invitation to commemorate World Rabies Day

A Twitter chat was also conducted on Youth Inclusion in Rabies Eradication by 2030. Members of One Health Club, Hassan Alaka, Barnabas Babalola, Mariam Zakaria and Uthman Olatunji were on ground to anchor and drive discussions on rabies on twitter engaging an audience on the dangers of rabies and the means by which it can be eradicated by 2030.

World Antimicrobial Awareness Week

OHDI marked the WAAW with two webinars. The first with the theme “Youths Essential Champions Against Antimicrobial Resistance” had Anna Govett, Project Officer at Medecins Sans Frontieres and Iyiola Oladunjoye, an Erasmus Mundus Scholar on Vaccinology as guest speakers. They both narrated their experience as young leaders in AMR, influencing a host of others to take up action against AMR. The

second webinar had the theme “After WAAW, What Next?”. Mr. Emmanuel Benyeogor, a Fleming Fund Fellow at the Denmark Technical University, Denmark implored the audience to take up a pledge to consciously and impulsively speak out against the dangers of AMR amidst other practical steps to be taken to keep the conversation on AMR going. OHDI, indeed, kept it going by following up these webinars with social media campaigns aimed at engaging a willing audience in making personal commitments to join the fight against AMR by spreading the word on their personal social media accounts.



Picture 12 – Webinar Invitation to commemorate WAAW

ORGANIZATIONAL OPERATIONS

RESOURCE MOBILIZATION

In the fiscal year January to December 2022, which is our third year of operations, the organization has benefitted from the generous support and donations from funding organizations that believe in our work and align with our vision. We have received a total of \$129,150 in grant funding, travel grants and consultancy services. This is an astronomical 89% growth in revenue from FY 2021 where we had a revenue of \$13,627.

We particularly thank the following funders for their generous resource support in the year 2022:

- ❖ United States Consulate, Lagos, Nigeria
- ❖ African Union – InterAfrican Bureau for Animal Resources (AU-IBAR)
- ❖ Animal Charity Evaluators (ACE)
- ❖ Effective Altruism (EA) Funds
- ❖ African Network for Animal Welfare (ANAW)
- ❖ Open Wing Alliance (OWA)

HUMAN RESOURCE

Our staff strength has grown by 61% increasing from 7 staff and volunteers in 2021 to 18 full-time, part-time, and volunteer staff in 2022. As an organization committed to improving the quality and excellence of our staff, many of our staff have also undergone training and capacity-building opportunities through online and in-person programs - most of which are fully or partially funded by OHDI and partners/funders. These include the following:

- ❖ 1 Finance staff acquired training and certification in audit and compliance, use of quickbooks, procurement and contract management
- ❖ 2 Monitoring and Evaluation staff trained on Monitoring, Evaluation, Accountability and Learning (MEAL) for development professionals through the MEAL Dpro Certification programme
- ❖ 2 Animal Welfare Program Staff team engaged in capacity building for implementing advocacy Cage-free campaigns for Hen Welfare as established by Open Wing Alliance (OWA)
- ❖ 3 Program Staff supported to attend relevant conferences such as the Africa Conference for Animal Welfare (ACAW) 2022 in Botswana, Africa OWA Conference 2022 in South Africa, the International Society for Applied

Ethology (ISAE) Conference 2022 in North Macedonia, and the Effective Altruism Conferences in the United Kingdom and Nigeria, respectively.

- ❖ 1 Senior management staff engaged in the Introduction to Effective Altruism training program organized by the Center for Effective Altruism (CEA)
- ❖ 1 Senior management staff engaged in the Effective Animal Advocacy Careers Training program organized by Animal Advocacy Careers

ORGANIZATIONAL OPERATIONS AND ADMINISTRATION

We have strengthened our operational systems by taking the following actions:

- ❖ Reviewed and updated our Strategic Plan (2021 - 2025)
- ❖ Reviewed and updated the Finance Policy, Manual and operational SOPs.
- ❖ Reviewed and updated the Procurement Manual
- ❖ Reviewed and updated the HR Manual
- ❖ Reviewed and updated the Travel Manual and Guide
- ❖ Developed and established the Safeguarding Policy
- ❖ Established the MEAL plan and framework for effective systemization of monitoring, evaluation, accountability, and learning.

LOOKING TO THE FUTURE

FY 2022 has been a pivotal stage in OHDI's development as it witnessed a marked increase in our reach, effectiveness, and impact. There was growth in the number of projects implemented, resources entrusted in our care and collaborating stakeholders. While this is a progressive development which we are happy about as an organization, we know that there is still a lot to be done.

In the next fiscal year and beyond, we will push awareness of One Health and its contributing sectors into different spaces where awareness is still low. We will also continue to research, design, and implement new and improved evidence-based solutions to human, animal, environment, and ecosystem health in Africa for One Health impact. While doing this, we remain committed to setting and improving organizational standards and excellence as we continue to work towards effective impact and sustainability.

And as we look to the future, we recognize your support as partners, collaborators, funders, volunteers, and propagators of our One Health messages. We look forward to doing more together with you for One Health impact. Join us!



HDI

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