







# OUR YEAR



## MESSAGE FROM THE EXECUTIVE DIRECTOR



2012 has been a very promising year. Our projects in the UK, Haiti, and Cameroon have gained considerable ground, and the organization is looking to expand further in sub-Saharan Africa and Asia, as well as domestically in the US. ARCHIVE also saw increased recognition through numerous media outlets and awards. This growth is a testament to our mission and to our team.

In April of 2012, ARCHIVE launched the global design competition Building Malaria Prevention: Cameroon. At the opening event in the AIA's New York headquarters, over 100 invitees heard ARCHIVE speak about this new approach. From more than 80 international participants, two

winning designs were selected. We are excited to see this project serve as a precedent for future interventions and policy.

This year also saw the continued construction of transitional shelters and infrastructure in St Marc, Haiti. The ongoing funding of this project hopes to transform the community of Bois L'Etat with further shelters, sanitation infrastructure, along with community-based health and vocational programs. This holistic approach is increasingly central to ARCHIVE's health strategy.

ARCHIVE also spoke at numerous international events, sharing its expertise with organizations including the Building Social Housing Federation, the UK's Department for International Development, and USAID. In October, ARCHIVE also had the honor of introducing the subject of health at the Fulbright Academy's sustainability conference in Abu Dhabi.

As our organization continues to grow, ARCHIVE's body of work is to inform broad changes in public policy, civil society, and impact investment. On behalf of ARCHIVE, I would like to express my gratitude to all those who have contributed to our work

Peter Williams is the founder of ARCHIVE. Peter has received numerous awards for research including the Kinne Fellowship from Columbia University, which led him to form ARCHIVE. In 2009, Peter was named among the 22 best emerging social entrepreneurs in the world by Echoing Green and in 2011 he was recognized as one of London's '40 under 40 International Development Leaders' by Devex. In the same year, Utne Reader also named him among the '25 visionaries who are changing the world'. Peter is a Fellow of the Royal Society for Public Health and a member of the American Public Health Association.

## MESSAGE FROM THE BOARD OF DIRECTORS

These are exciting times for ARCHIVE. In the past year, the organization has broadened both its geographic and operational scope. It now benefits from a larger team in its New York office, which will look to get involved with building awareness of housing and health issues in inner-city communities in the United States. Internationally, ARCHIVE's projects in Haiti and Cameroon are both in phase of construction, and we look forward to seeing these scaled further along with robust impact analysis. This broad scope of intervention, spanning both developed and developing countries, is necessary to effectively establish a global paradigm of addressing environmental determinants of health.

ARCHIVE's proven strategy of combining research, construction projects, and community-based training programs has made it a central player in this discourse. Yet this promising growth could not have been realized without

a framework of effective partnerships and the backing of our sponsors. Housing Works, Partners in Health, and Fondation Esther Boucicault Stanislas continue to be critical partners in Haiti. We are also proud to have partnered with Malaria Consortium's Cameroon Coalition Against Malaria for our work there. We would especially like to thank the UBS Optimus Foundation for their generous support through all the different stages of ARCHIVE's development and growth.

ARCHIVE's work as an organization exists at an angle that will be of increasing importance to the global community. Multidisciplinary initiatives, such as addressing health through housing, are comprehensive yet incisive solutions that can pioneer more effective impact investment. We are looking forward to another year.



#### **GOVERNING BOARD**

Lenore Cooney

Caterina Della Mora

David Drake

Michael Feigin

Albert J. Foreman

Gregory Martin

Denise Williams

Peter Williams

#### **ADVISORY BOARD**

Angela A. Aidala

Peter Figueroa

Michael Mutter

Kenneth Yeang



## **MISSION**

We believe that the commonplace reliance on vaccines, drugs and treatment is aggressively prioritized as a response to infection and disease in the developing world. Although important, in order for such strategies to be deemed truly accessible, effective, and sustainable they must reside within a diverse context of behavioral change, increased access to health facilities and improved living conditions. The challenges of health and shelter for the poor are still targeted as isolated areas of development. The prevalence of poor health among the economically disadvantaged is due in large part to poor housing, overcrowding and household practices. A better understanding of "healthy housing" would alleviate these problems and lead to a dramatic increase in standard of living.

ARCHIVE aims to tackle and reduce rates of illnesses throughout the world by increasing awareness of the way in which housing is linked to the spread of diseases and public health disasters, and by developing architectural projects designed to limit the health risks faced by people in the developing world.







"The challenges of health and shelter for the poor are still targeted as isolated constructs of development."

## **APPROACH**

#### RESEARCH

We conduct research aimed at increasing awareness of the spatial implications of diseases and public health disasters. Our goal is the sustainable creation of "healthy homes," or creating living conditions that reduce health risks and provide care for the world's most disadvantaged.

#### CONSTRUCTION

We achieve this by testing, designing and building practical housing that combats the challenges of poor health. We do not employ generic housing answers. We use a community-driven and site-specific approach to housing which targets the health challenges faced by households.

#### **TRAINING**

Our initiatives are sustainable through the capacity building of local artisans, builders and residents. We teach them to utilize local materials and techniques to build healthier homes. This ensures that both housing and health are improved, while a burden is lifted off public health services. We are also ensuring skills creation, greater employment opportunities, and income. Moreover, using community 'sweat equity' and existing local finance offsets the cost of projects.





"We use a communitydriven and site-specific approach to housing which targets the health challenges faced by individual households and provides them with the skills to sustain these changes in the future."

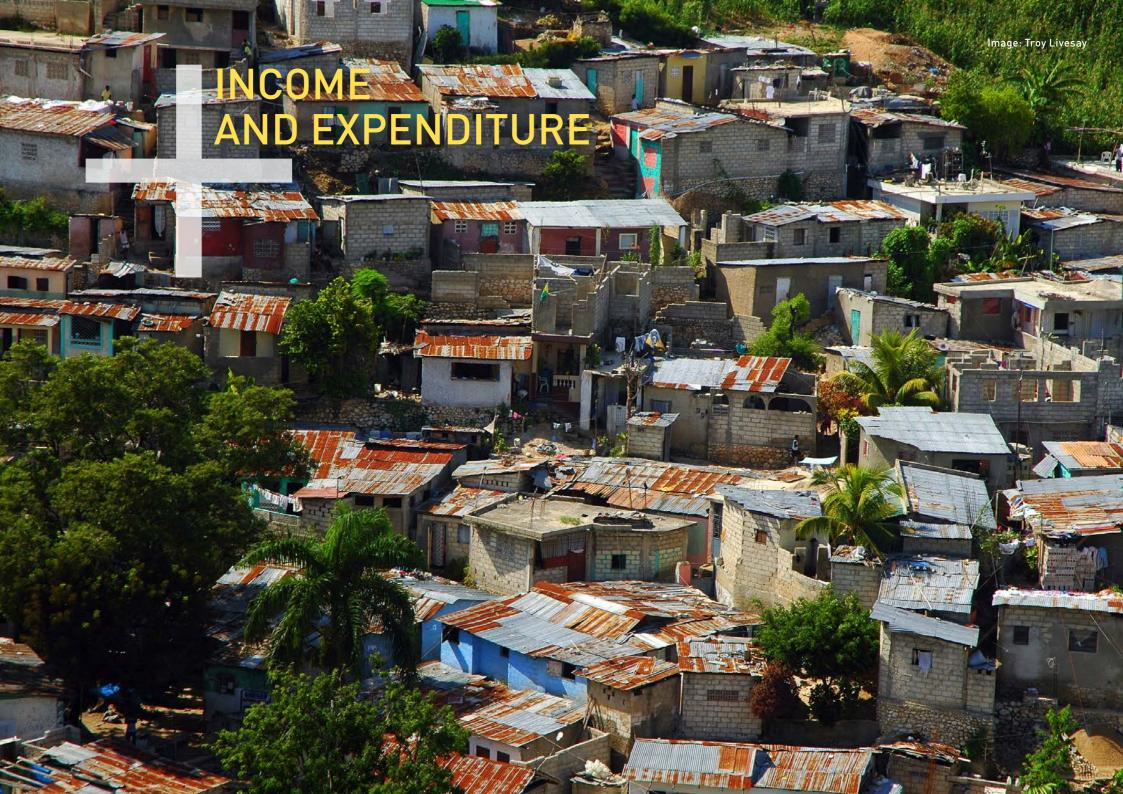
An overarching aspect of ARCHIVE's work involves educating the general public about the often-overlooked link between health and housing. This includes workshops, events, and conferences both in the developing and developed world. We believe the link between housing and health deserves greater attention. Housing improvements are a long-term, cost-effective, and community-based solution to many health outcomes, with added socioeconomic benefits.

ARCHIVE's offices are located in London and New York City, with

representatives in the field in

## OVERVIEW OF OUR WORK AROUND THE WORLD





## **REVENUE MODEL**

ARCHIVE Global operates under the principles of a social enterprise. This in no way contradicts the organization's mission and objectives as a charity but instead secures its ability to work sustainably through a diversified revenue stream.



ARCHIVE REVENUE MODEL

## **INCOME AND EXPENDITURE**

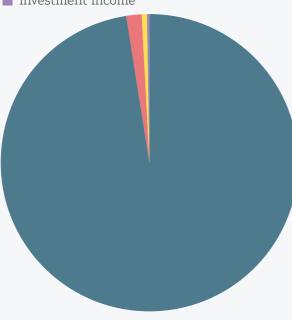


Grants

■ Fundraising and Individual Donations

Corporate Support

■ Investment Income



Grants \$323,032.89

Fundraising and Individual Donations \$5,536.53

Corporate Support \$2,103

Investment Income \$325.71

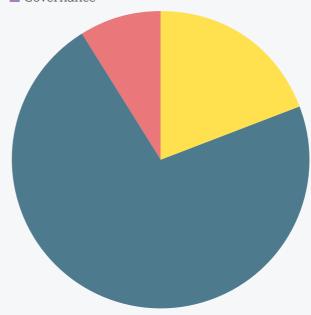
## **EXPENDITURE \$23,108.74**

■ Direct Project Costs

Support Costs

Fundraising Costs

Governance



Direct Project Costs

\$4,480.78

Support Costs

\$16,595.96

Fundraising Costs

\$2,032

Governance

\$0





### HAITI

In July of 2010, ARCHIVE launched an Open Innovation Competition for its project Kay e Sante nan Ayiti: Housing and Health in Haiti. Drawing nearly 1600 participants, the competition gathered innovative designs that used housing as part of a strategy for preventing infectious disease transmission such as tuberculosis, particularly for those most vulnerable. Five final housing designs were chosen by a panel of international health and design experts, and are currently nearing completion, along with a water and sanitation system.

The second phase will consist of realizing the holistic scope of the intervention through the funding of additional houses, but more importantly by implementing community programs. These will provide vocational training and other learning activities to the adults and children in Bois l'Etat. Further research and a needs assessment are to be conducted in order to assess which skills are in greater demand, to develop curricula, and to recruit and train staff.

The project is managed by ARCHIVE Global and Foundation Esther Boucicault Stanislas (FEBS), and in partnership with Haiti Water and Partners in Health. The idea is to provide integrated village-level interventions similar to the UNDP Millennium Villages, and to further establish their viability. ARCHIVE believes that such broad interventions are critical for long-term sustainability.

Since the 2010 earthquake, Haiti has been facing a deep housing crisis, which has not brought any improvement to Haiti's tent camps. An estimated 595,000 Haitians are still living in approximately 900 Internally Displaced Persons (IDP) camps. These conditions present a major obstacle for the nation's existing health crisis. Cholera, a disease resulting from poor living conditions, has infected over 600,000 in Haiti since the 2010 earthquake, with nearly 8,000 dead. Rates of tuberculosis and HIV/AIDS, also linked to housing conditions and access to shelter, are among the highest in the Americas.

ARCHIVE's work seeks to illuminate the broader return on investment of a housing approach to health, specifically through a decreased health burden and its socioeconomic consequences, as well as the permanence of community empowerment.



Images: ARCHIVE Global



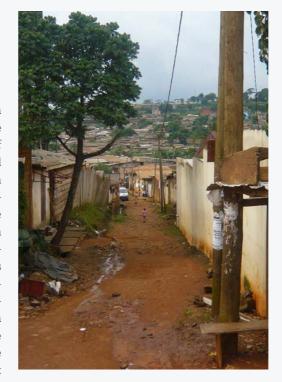


## **CAMEROON**



The Building Malaria Prevention Campaign was launched on World Malaria Day 2012. The project seeks to promote the effectiveness of using architectural innovation as a central strategy for combating malaria transmission among developing nations' poorest communities. Evidence demonstrates that adequate housing has proven to be more effective in reducing malaria incidence than other preventive measures. Screened doors, windows and eaves, combined with adequate ventilation, sewage, and drainage solutions, prevent the proliferation of vector mosquitoes in the home and the community, reducing the incidence of malaria. Despite the evidence for housing as a prevention strategy against malaria, very little has been done to put these strategies into practice.

In 2012, working in partnership with MC-CCAM (Malaria Consortium – Cameroon Coalition Against Malaria), the Ecole Supérieure Spéciale d'Architecture du Cameroun, as well as local organizations, builders, and public health officials, ARCHIVE organized an international design competition with more than 80 participants from architecture, urban planning, and public health. The goal was to gather inexpensive vector control design solutions and implement them at the informal settlement of Minkoameyos,



just outside Yaoundé, Cameroon. Two winning designs were chosen, and are now being adapted to the feedback of local residents and builders. The initial construction will involve 24 pilot housing units.

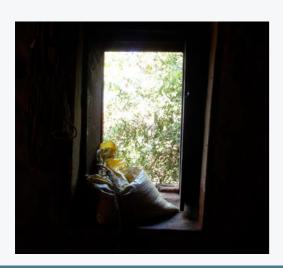
A further outcome of the project will include ongoing awareness and capacity building activities, with an emphasis on skills training for housing improvements and health workshops on malaria prevention. Finally the evaluation phase, which will continue into 2014, will consist of controlled trials to assess the effectiveness of the implemented housing designs in lowering vector populations and malaria incidences.

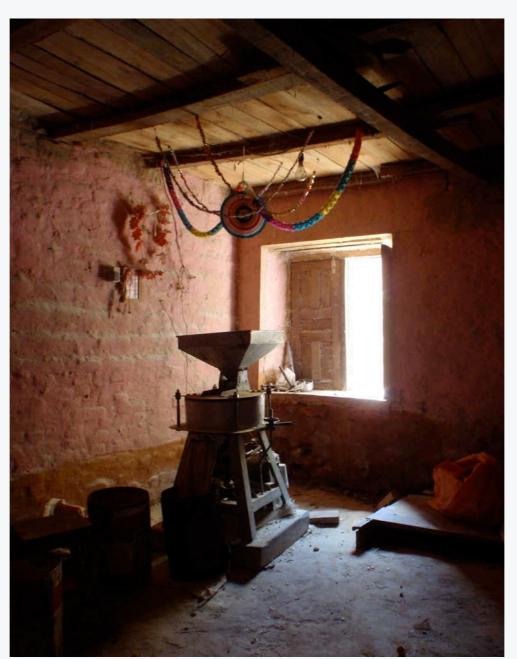
Currently, the most known methods of combatting malaria are through the use of insecticide-treated nets. indoor spraying, and anti-malarial medication. While effective, these measures are expensive, temporary, and risky, as both the parasite and mosquitos can develop resistance. Data from 2004 showed that only 11% of under-fives in Cameroon slept under mosquito nets and only 1% slept under insecticide treated nets. However, when netting could be incorporated into ceiling design, as in one Gambian study, exposure to mosquitoes dropped by 85%. It is this kind of innovative thinking that ARCHIVE hopes to encourage.

CONSTRUIRE LA
PRÉVENTION DU PALUDISME

## **NEPAL**

ARCHIVE is currently developing a flooring project in Kathmandu, Nepal, utilizing community labor and knowledge to replace dirt floors with concrete flooring. Dirt floors are a common feature of poor quality housing in both rural and urban areas of the developing world. In most houses, a whole host of daily activity is conducted on this floor, from cooking to playing to sleeping. In such homes, dirt floors have proven to be ideal vectors for diarrheal, skin and respiratory disease, as well as contributing to anemia, parasitic infestation, and malnutrition. The project will also raise awareness of the importance of flooring as a health factor among community members, construction groups, and public officials.





Adequate flooring is a major determinant of health outcomes. In the Piso Firme project, a groundbreaking initiative organized by the government of Mexico, complete substitution of dirt floors by cement floors in over 300,000 houses lead to a 78% reduction in parasitic infestations, 49% reduction in diarrhea, 81% reduction in anemia and a 36 to 96 % improvement in cognitive development in children. For adults, the transition to concrete floors led to a 59% increase in satisfaction with housing, a 69% increase in satisfaction with quality of life, a 52% reduction in depression and a 45% reduction in perceived stress.



## **ETHIOPIA**

In Addis Ababa, Ethiopia, ARCHIVE aims to improve respiratory health through environmental design in local communities. This is closely linked to the challenge of indoor air pollution (IAP). As many households are dependent on solid fuels and inefficient stoves to meet their cooking needs, they are often exposed to indoor smoke containing substantial amounts of toxic elements, especially in houses with inadequate ventilation. This affects inhabitants' respiratory system, especially women and children who typically spend the largest amount of time indoors, making them more susceptible to different types of respiratory disease. ARCHIVE will deliver housing interventions, providing households with an improved cooking stove and upgrading their houses to facilitate airflow, along with community programs to educate individuals on the dangers of IAP.



More than 3 billion people worldwide depend on solid fuels such as coal, wood, dung and agricultural residues, regularly using non-efficient cooking stoves for cooking. The World Health Organization has ranked indoor smoke from solid fuels as one of the top ten global risk factors. Such smoke accounts for an estimated 2 million deaths each year, of which 1.3 deaths are in lowincome countries. This project has the potential for being replicated in other areas of Africa. Asia and Latin America, where there is also an urgent need for curbing IAP-related diseases.



Images: ARCHIVE Global



23,000 children in the London borough of Brent alone live in overcrowded conditions. As a result, they face a significantly higher risk of contracting life threatening respiratory infections: in the Borough of Newham, 25.6% of households are overcrowded. Tuberculosis rates across London are at a thirty-year high, making London the TB capital of Europe. Research shows that the threat of new TB infections can be reduced by 75% through adjustments of relative indoor humidity and ventilation flow rates.

During 2012, ARCHIVE UK has participated in a number of community events, speaking on topics such as TB, health stigmas, healthy living, and the importance of housing in health. Events were held in partnership with community centers, health clinics, housing associations, and faith-based groups, where ARCHIVE spoke to hundreds of people. In the London Borough of Brent, ARCHIVE's ongoing Happy Healthy Households (HHH) initiative ran five photography workshops with local community groups, including health workers, community members and photographers. Guided by a professional photographer, workshop

attendants learned practical photography skills while gaining awareness about the links between TB and housing conditions. Photos taken by the attendants will be shown in an exhibition at a community event in Brent on World TB Day 2013.

Recently, ARCHIVE UK has also built relationships with stakeholders and community leaders in Newham, a borough of East London. A future project named 'Hanging in the Air' will involve more than 200 children who will be taught the scientific aspects of TB, and how to explore this knowledge through the art of video making.

ARCHIVE UK also started "Health at Home", a Research Project that aims to identify gaps in communication between tenants, landlords and community councils. The project not only seeks to build a deeper engagement with ARCHIVE UK's partner communities, but also to raise awareness about the types of support and assistance available to households and individuals



Images: ARCHIVE Global

## **EVENTS**

#### **DFCFMBFR VOTED BEST CHARITY OF 2011** BY UBS EMPLOYEES

ARCHIVE is honored to have received the award for 'Best Charity of 2011' from United Bank of Switzerland's (UBS) employees. At a ceremony in Zurich, the CEO of wealth management, Jurg Zeltner, while introducing ARCHIVE, spoke of the importance of impact investment as well as corporate responsibility. Salvatore D'Orsa, an ARCHIVE UK Trustee, presented on the organization's mission and recent work. ARCHIVE is deeply motivated by this recognition.

#### **NOVEMBER** INTERNATIONAL STUDY TOUR IN NFPAL

ARCHIVE was invited to an international study tour in Nepal, organized by the Building Social Housing Federation. The tour was to inaugurate the winner of the 2012 World Habitat Award: Australian NGO Health Habitat. ARCHIVE presented its work, gave recommendations, and assisted in establishing best practice regarding Health Habitat's ongoing pilot project in Nepal, which involves water and sanitation improvements to houses spanning numerous villages in and around Kathmandu.

#### OCTOBER UNITED KINGDOM DEID CONFER-**ENCE ON URBANIZATION AND HEALTH**

At a conference organized by the UK Department for International Development, ARCHIVE's director and founder Peter Williams spoke alongside Professor John Ashton about the varying urban health challenges in developing and developed countries. The goal was to support a framework for a new programmatic area around urban health - to be further championed in 2013.

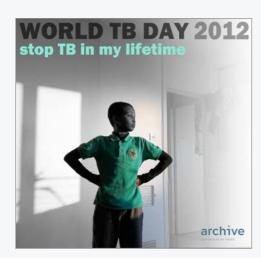
#### OCTOBER INTERNATIONAL FULBRIGHT ACADEMY SUSTAINABILITY CON-FERENCE IN ABU DHABI

At the 7th Annual Fulbright Academy Conference on sustainable cities and sustainable development in Abu Dhabi, ARCHIVE's director had the honor of being a plenary speaker, introducing the topic of Health & Wellness within the context of sustainability. ARCHIVE shared its expertise with global leaders and professionals from several countries on the subjects of population health, urbanization, and sustainable design.





## **EVENTS (CONT.)**



# APRIL LAUNCH OF BUILDING MALARIA PREVENTION: OPEN INNOVATION COMPETITION

In April, ARCHIVE launched the international design competition Building Malaria Prevention: Cameroon. At the AIA Headquarters, around 100 invitees came together to share the importance of this new approach, including the CDC's Special Advisor for Science and Integration Dr. Joanne Cono, the director of the AIA's health division Dan Noble, and New Yorkbased Cameroonian television actor David Nso, who spoke about his own childhood experiences with malaria.

## JANUARY USAID'S MAKING CITIES WORK CONFERENCE

As part of the Making Cities Work speaker series, ARCHIVE director Peter Williams presented on low-cost housing strategies for improving health. The event brought together representatives from international development organizations and multinationals based in and around D.C.

#### OTHER EVENTS

ARCHIVE has also contributed to benefits, charity events, comedy shows, university lectures, and community gatherings. In 2012, these included Nike Run to the Beat, the London comedy show "No Funny Business," as well as photography and video workshops dedicated to raising awareness about health housing issues.



## **ARCHIVE IN THE PRESS**



**WSJ** 







## theguardian

THE LANCET



WE'VE ALSO BEEN FEATURED IN

ArchDaily

Architect Magazine

Architect Nouvelliste

The Architect's Journal

Architectural Record

Architecture Review

Architizer

**Building Design** 

Canadian Architect

The Daily News

DWFII

EcoGuerilla

Global Health Magazine

Inhabitat

Inside Housing

Malaria World

Pacific Standard

Professional Engineering

Science and Development Network

Science Speaks

TV Jamaica

World Architecture News

Mashable

ARCHIVE GLOBAL ANNUAL REPORT 23 www.archiveglobal.org

## **PARTNERS & SUPPORTERS**

#### ORGANIZATIONAL

American Institute of Architects

Building Goodness Foundation

Center for Disease Control

Columbia University in the City of New York

DXA Studio

Ecole Supérieure Spéciale d'Architecture du Cameroun

Ernst & Young

Fondation Esther Boucicault Stanislas

Gerner Kronick + Valcarcel, Architects, PC

Google

Haiti Water

Housing Works

International Red Cross

Malaria Consortium - Cameroon Coalition Against Malaria

Millenium Awards Trust

National Health Service - UK

Partners in Health Haiti: Zanmi La Sante

Perkins + Will

Population Health and Environment - Ethiopia Consortium

Roll Back Malaria

Saloria Architects

University College London

University of Virginia reCOVER Team

**UN-Habitat** 

UnLtd\*

Vodafone Foundation

WHO

Zaha Hadid Architects











## PARTNERS & SUPPORTERS (CONT.)

#### INDIVIDUAL

Alan Dilani, PhD; Founding Director of the International Academy for Design and Health

Albert Dubler; President, International Union of Architects

Charles Correa; Principal, Charles Correa & Associates

Dan Noble; President, American Institute of Architect's Academy of Architecture for Health

David Adjaye; Principal Architect, Adjaye Associates

David Nso: Actor

Dieudonn Nga; Community Resident, Cameroon

Esther Tallah, MD; Pediatrician/Manager, Malaria Consortium - Cameroon Coalition Against Malaria

Franck Olivier Kouam; Coordinator, CIAH Cameroon (Collectif Inter Africain des Habitants)

Jean-Jacques Kotto; Founder of ESSACA in Cameroon

Ken Yeang, PhD; Chairman, Llewelyn Davies Yeang

Paul Pholeros; Adjunct Professor, University of Sydney/Director, Healthabitat

Roderick Hackney; Principal, Kansara Hackney Ltd

Rodney Harber; Professor/ Principal Architect, Harber & Associates

Rose Gana Fomban Leke, PhD; Professor, University of Yaoundé, Cameroon

Steen Fredriksen; President, Engineers Without Borders International

Steve Lindsay, PhD; Professor, Durham University, United Kingdom

Steven South; Designer, Perkins + Will

Teddy Cruz; Architect

Unni Krishnan Karunaakara. PhD: International President, Médecins Sans Frontières

Wilfred Mbacham, DS, ScD; Associate Professor, University of Yaounde, Cameroon

William Cobbett; Manager, Cities Alliance



Building Malaria Prevention is an innovative approach, which will bring about including housing styles in malaria prevention and this has been welcomed by the population of Minkoameyos as an appreciated contribution towards malaria control in their locality. This can be seen by the engagement of the village chief and the quarter heads right from the onset of the project. Through their engagement, ownership shall be ensured and we hope that Minkoameyos shall become the showcase of this innovative approach in malaria control in Cameroon and beyond. The outcome of this project hopefully will also inform and guide policy regarding housing and malaria control in Cameroon and foster further partnerships between the health, infrastructure and environmental organizations.

Dr Esther Tallah, Manager, Malaria Consortium - Cameroon Coalition Against Malaria



## PLANS FOR 2013

2013 will see ARCHIVE advance its existing international projects beyond their pilot phase, as well as diversify its presence both internationally and domestically from its offices in the UK and US. Moving forward, our activities will focus on scalability and replication such that we can rapidly grow to deliver our activities to a larger number of beneficiaries. We plan to further develop resources, activities and campaigns that take a more holistic approach, addressing the range of health risks people are facing in their own homes. We also seek to influence decision makers by advocating for integrated health and housing policies. This involves conducting delivery gap surveys and presenting results to decision makers, while lobbying and participating in industry events and conferences.

ARCHIVE is also working on developing an online platform, ARCHIVE Connect, for presenting, funding and tracking global design and health solutions. This space would allow people to engage with field partners and communities anywhere in the world in order to improve living standards. It will also serve as a leadership skills development mechanism through a captain-

team concept. The platform will cover living conditions and health-related improvements at the scale of individual households, with the intent to additionally include infrastructural development as well.

Our organization is also particularly excited to become involved with housing issues in the

USA. As per our work in the UK, underserved inner city communities of the developed world will continue to be an issue with increasing urbanization worldwide



In inner city communities of the United States, environmental health concerns include mold, lead, allergens, asthma, mental health, home safety, as well as obesity and diabetes. ARCHIVE will look to build awareness about these issues while partnering with local groups. With increasing urbanization worldwide, living conditions are a point of concern for both developing and developed countries.



Credit: ARCHIVE Global



## **DETAILED BREAKDOWN**

CURRENT ASSETS Debtors and Prepayments Cash at bank and in hand TOTAL	\$0 \$314,574 \$314,574	INCOMING Donations Unrestrict Restricted TOTAL
CURRENT LIABILITIES Amounts falling due within one year	\$0	GRANTS Unrestricted Restricted TOTAL
NET CURRENT ASSETS Net Current Assets	\$314,574	
FUNDS Unrestricted Restricted TOTAL	\$25,095 \$289,479 \$314,574	INVESTME Unrestrict Restricted Total
		TOTAL UN

Donations and Gifts Unrestricted Funds Restricted Funds TOTAL	\$7,966 - \$7966	RESOURCES EXPENDED Cost of Generating Funds Direct Costs Support Costs TOTAL	\$2032 - \$2032
GRANTS Unrestricted Funds Restricted Funds TOTAL	\$29,073 \$293,960 \$323,033	CHARITABLE ACTIVITIES Direct Costs Support Costs TOTAL	\$4,489 \$16,595 \$21,076
INVESTMENT INCOME Unrestricted Funds Restricted Funds Total	\$326 - \$326	GOVERNANCE COSTS Direct Costs Support Costs TOTAL	\$0 - \$0
TOTAL UNRESTRICTED	\$37,365	TOTAL DIRECT COSTS	\$6,513
TOTAL RESTRICTED FUNDS	\$293,960	TOTAL SUPPORT COSTS	\$16,595
TOTAL RESTRICTED FONDS	\$331,325	TOTAL	\$23,108

## **SOCIAL MEDIA SNAPSHOT**



www.facebook.com/ARCHIVEglobal



www.flickr.com/photos/archiveglobal



plus.google.com/113852675839065633290/posts



instagram.com/archiveglobal#



www.linkedin.com/company/archiveglobal



archiveglobal.tumblr.com/



twitter.com/archiveglobal



www.youtube.com/user/ARCHIVEglobal1

facebook

6742 likes

twitter

1145

followers

youtube

video views

