



Master Trainers from Cote d'Ivoire, Ghana, Mozambique, Nigeria, Senegal and Tanzania and KYEEMA staff with Zoë Tiller and Elise Nalbandian from the Australian Embassy in Ethiopia

ISSUE 3 AND 4  
DECEMBER 2017

---

Mobilisation of support for  
Africa-wide training program:  
Newcastle disease control in  
village chickens.

---

New members of the Board.

---

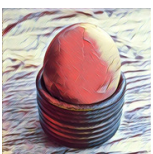
A shout out to our volunteers.

---

Chickens 4 Africa fundraiser

---

**PLUS** The value of eggs to  
prevent childhood  
stunting: new research  
published in 2017.



## Mobilisation of support for Africa-wide training program: Newcastle disease control in village chickens.

Newcastle disease (ND), known as 'Fengil' in Ethiopia, is widespread across Africa with outbreaks regularly resulting in chicken mortalities of 50-100%. The control of ND in village chickens makes a significant contribution to food security and poverty alleviation of households and communities.

KYEEMA team members have recently returned from Ethiopia where they worked with the African Union Pan African Veterinary Vaccine Centre (AU-PANVAC) and the Ethiopian government to review and pre-test ND training curricula, manuals and extension materials.

KYEEMA has built the capacity of partner governments and local communities in Malawi, Mozambique, Tanzania and Zambia to produce, distribute and use the thermotolerant I-2 vaccine to control ND. To expand these activities, KYEEMA, together with AU-PANVAC, has developed training curricula, manuals and related extension materials for the prevention and control of ND.



Dr Betemaryam from the EIAR showing the picture at the female focus group discussion in Ambo Mesk village.

In early September, two key activities were undertaken with funding support from the Australian Embassy in Ethiopia:

1. Master Trainers from across Africa met at AU-PANVAC to review the ND training curricula prior to finalising them for distribution across African Union Member States. Three key training ND curricula were reviewed: Vaccine production and quality assurance, Laboratory diagnostics and field use.
2. Field training materials were adapted to the Ethiopian context and translated to Amharic by the Ethiopian Institute for Agriculture Research. The training manual, posters and vaccination calendar for Community

Vaccinators were pre-tested in two villages in the Amhara Region of Ethiopia. Pre-testing is a vital process in the development of effective training and extension materials. The materials need to be believable, appealing and understandable in the local context to be effective. Pretesting showed that participants had difficulty understanding certain posters. From this, the most effective extension materials to promote vaccination activities were identified.

The recent trip to Ethiopia was a notable success. KYEEMA has been able to consolidate effective training curricula and extension materials, which will enhance the control of ND in village chickens.

## Brisbane Angel Investor Aysegul Kayahan Joins KYEEMA Board



“Over the last several years I have become more focused on those contributing to the global social and environmental good. Profit at the expense of other “goods” is not an acceptable option. Sustainable enterprises benefit everyone.”

Aysegul Kayahan joins the KYEEMA Board as an experienced company director and global mobility professional who has invested in over 30 diverse and globally scalable start-ups and social enterprises since 2009.

Aysegul is an active member and board member of Brisbane Angels Group and regularly attends pitching events throughout Brisbane. She mentors at the various incubators and accelerators on a regular basis.

Aysegul is also on the board of Five Faces, The Ethicos Group, Solarbuddy.Org and on the advisory board of ProcessPA. Aysegul is the founding partner and principal of Relocation Specialists as well as the Chapter Lead for Australia for the Forum for Expatriate Management.

Aysegul has a Bachelor of Science (1985) and a Graduate Master of Arts majoring in Ethics (2010) from the University of Queensland. She has a strong commitment to business ethics and social justice, and has an interest in Kyeema Foundation particularly for its work with improving women's education, business skills and empowerment in communities where economic opportunities are limited.

With her business acumen, corporate social responsibility background, thought leadership in change management and governance, and her passion for investing in and mentoring start-ups that serve the community, we are honoured to have Aysegul join our Board.

Read more about Aysegul's story at <https://femeconomy.com/female-leader-aysegul-kayahan-non-executive-director/>.

## Did you know?

KYEEMA's activities contribute to 11 of the 17 United Nation's sustainable development goals.

## Fergus Smith joins KYEEMA's Board as a Director.



Fergus is a lawyer specialising in the financing of energy & infrastructure projects (both Greenfield developments and acquisitions). He has a Bachelor of Law and Business from the Queensland University of Technology (2003) and a Master of Law and Bachelor of Civil Law from Oxford University (2008).

In 2016, Fergus was recognised as a 'Notable Practitioner' for China/Hong Kong: Projects & Infrastructure in Chambers Asia Pacific. Fergus has assisted lenders and borrowers on financing transactions in Asia, Australia, Africa, Europe, South America and the Middle East.

He has also previously been a Senior Advisor (Legal and Governance) to the Prime Minister of Australia.

With his education and experience in corporate finance and law internationally and in Australia, especially within the renewable energy sector in developing nations, KYEEMA is privileged to have Fergus join the Board.

[Click here to access our strategic charter!](#)



# Coined the 'Facebook Farmer', Joseph Macharia: KYEEMA's new Associate Board member



Joseph has extensive experience in the agribusiness sector. In August 2012, he founded Mkulima Young ("Young Farmer" in Swahili). Mkulima Young is an online platform that enables agri-prenuers to engage, network and conduct business in agriculture. It also provides information on farming techniques, crop varieties, soil productivity and seasonal yields. Since its establishment, the organisation has amassed over 110,000 on-line followers. For his work at Mkulima Young, Joseph has won several international awards and recognitions. He is an Ashoka Fellow for Social Entrepreneurship. Joseph has a Bachelor of Science in Agricultural Education and Extension from the Egerton University in Kenya (2001), as well as Master of Science from Jomo Kenyatta University of Agriculture and Technology (2008). He is currently pursuing his Ph.D. Joseph has also written several publications about stingless bees in Kenya and recently co-authored a chapter on climate smart agriculture, published by Routledge in *Governing the Climate Change Regime: Institutional Integrity and Integrity Systems*. With Joseph's background and experience in research, agribusiness, education and extension in Africa, KYEEMA is honoured to have Joseph as an Associate Board member.

# Rotary Peace Fellow Volunteer



Alexandra Sajben is a 2016-2017 recipient of the Rotary Peace Fellowship at the University of Queensland and recently completed her Masters in Peace and Conflict Studies. She volunteered her time with KYEEMA in the Brisbane office from April-June 2017 to formulate our new Organisational M&E Framework and Risk Assessment and Management Strategy for 2017-2021. Before coming to Australia, Alex worked as the Regional Programs Liaison with the Coalition for the International Criminal Court - a network of over 2,500 civil society organizations across the world working towards accountability for atrocity crimes. In this position, she coordinated advocacy, grant making, and efforts for international justice actions. Previously, Alex worked as a UN Advocacy Associate monitoring social development, human trafficking and women's and girls' issues in the 2nd and 3rd Committees of the Economic and Social Council at the United Nations. Alex graduated from the University of Notre Dame in 2011 with a Bachelor of Arts in French Literature and a supplementary major in Peace Studies. Before graduating, she interned at Asylum Access, a refugee rights organisation, as well as a small NGO focused on education efforts for girls in western Kenya. As such, she is familiar with the opportunities and challenges for small global impact organisations like ours. We thank Alex for the time, effort and expertise that she put into helping us improve our processes. She was a pleasure to work with and a great asset for us in this stage of our organisational development. We wish her all the best for her next professional endeavour.

# A Huge Thanks to Faith Considine, KYEEMA Intern



We have been delighted to have Faith Considine as our intern here at Kyeema Foundation (KYEEMA) over the past six months. Faith is currently undertaking a Bachelor of Business/ International Relations, majoring in Global Business and Diplomacy, at Bond University.

In the future she hopes to be working in international development. Her love of cooking and gardening underlies her career path choice, where she can be part of ensuring food and nutrition security globally, with an emphasis on sustainable practices.

**“I have worked at a local farm for the past five years, which has sparked my interest in sustainable agricultural practices and how we can feed ourselves while leaving plenty for future generations!”**

As such, interning at KYEEMA was a natural choice for Faith.

**“I love the fact that KYEEMA has a no-nonsense approach to development. KYEEMA’s village poultry projects are simple in execution and have such a broad impact on the wellbeing and livelihoods of disadvantaged communities.”**

Faith has made a really valuable contribution to our organisation in this Chinese Year of the Rooster – one of major transition for us. She has helped to develop project proposals and a communications strategy, prepared social media content, and generated fundraising ideas. She has also put considerable effort into examining how we can better validate how our impact aligns with the United Nations Sustainable Development Goals – an important part of our project monitoring and evaluation going forward.

Faith is a delight to work with and we look forward to watching her developing career unfold. After graduation, her plans are to travel throughout South America, the Pacific Islands and South East Asia to live with indigenous communities and learn from them.

**“I believe indigenous communities hold a wealth of knowledge as to how best to farm the land, prepare our food and to look after our earth. I therefore hope to be travelling and working with Indigenous communities to assist in implementing their knowledge”.**

We think this is a wonderful career quest – perfectly aligned with our vision and mission of empowerment for vulnerable communities using local solutions. We hope it is a long and fulfilling one.

**“I absolutely enjoy interning for KYEEMA! I have been given numerous opportunities and have been able to further develop my skills necessary for a career in development.”**

We thank Faith for the time, talent and new perspective she brings to our organisation.

## Did you know?

Our key program is the IRPC.



**Local solutions for vulnerable communities**



# Malawian, Richard Nyoni, captures the essence of our work in winning photographs.



First place - Richard Nyoni who captured the essence of our work in Malawi.

Congratulations and thank you to Richard Nyoni, Julia De Bruyn and Marj Osburne. They are the three winners of our first ever 'Chickens for Africa' photography fundraising campaign. The judges made their selection based on visual aesthetic value, composition, technical excellence, artistic merit, and impact in the context of rural poultry development. The winner, Richard Nyoni, is a local agricultural project officer and budding professional photographer in Malawi. We were all impressed with his ability to capture the essence of our work through depicting the people at the heart of what we do so beautifully. He submitted several photographs of very high quality.

Another contender for first place was a photograph of Kate Chihana, a 37 year old mother of 5 children from rural Malawi. Richard provided her story for us, which she has agreed to share.

Life for people like Kate in rural areas living in poverty is difficult – a way of life that is faced by 70% of the population in this country (World Bank 2010). Poor roads, lack of reliable markets and climate change affecting agricultural output are some of the major challenges. Kate's arm was amputated after she developed a serious medical complication when she was young, which has obviously made life even more challenging for her.



Another photograph entry by Richard Nyoni. Kate Chihana, Welusi Village, Malawi. Contact Richard at Ettaric Images @ richardnyoni09@gmail.com

Kate and her husband engage in a number of small-scale trade and farming activities in order to make a living.

"Chickens are the only livestock that I rear" she says.

Chickens have had a positive impact on her livelihood. Ever since Kate started poultry farming, she has had access to protein-enriched meals, including eggs, which she also is able to sell. As one way of ensuring that her local chickens are not wiped out by Newcastle disease, she periodically vaccinates them.

"Without the vaccine, my chickens would have been wiped out. I am very grateful to the local vaccinators who come periodically and vaccinate my chickens. I am involved in a number of livelihood options. But chickens are dearest to me" she concluded.

The 2017 photography competition raised AUD 8830 for projects in Malawi and Mozambique, to help families have access to an appropriate locally made vaccination against Newcastle disease. We will use the money to train over 80 community based vaccinators. Based on past experience, we can be confident these vaccinators will reach at least 2,000 families and bring food security and increased income benefits to 10,000 people like Kate, simply through better control of Newcastle disease in village poultry at the local level.

Thanks so much to the judges, donators and other photograph submitters for supporting our first social media fundraising campaign. We look forward to updating you on the outcomes of the work that your support will allow us to facilitate.

**Local solutions for vulnerable communities**

# The Value of Eggs to Help Prevent Childhood Stunting

The World Health Organisation (WHO) states that globally, 23% of all children under the age of five are stunted. Regionally, Oceania has the highest prevalence of childhood stunting in the world at 38.3%, closely followed by East Africa at 36.7%. Unfortunately, while globally the rate of childhood stunting has decreased, Oceania has seen a 4% increase from 2000-2016(i).

Childhood stunting is associated with poor cognitive, motor and socio-psychological development, and can increase the likelihood of sickness, injury, and death(ii). Children suffering from stunting are unable to reach their growth potential and often become stunted adults (iii). Evidence suggests that this leads to the reduction in physical work capacity and thus the ability to generate income (iv).



Photo credit: Sally Ingleton

**“Diet is now the number-one risk factor for the global burden of disease. The diet choices available to us are shaped by our food systems, which are not sufficiently well geared toward enabling us to consume high-quality, healthy, and nutritious diets.”(v)**

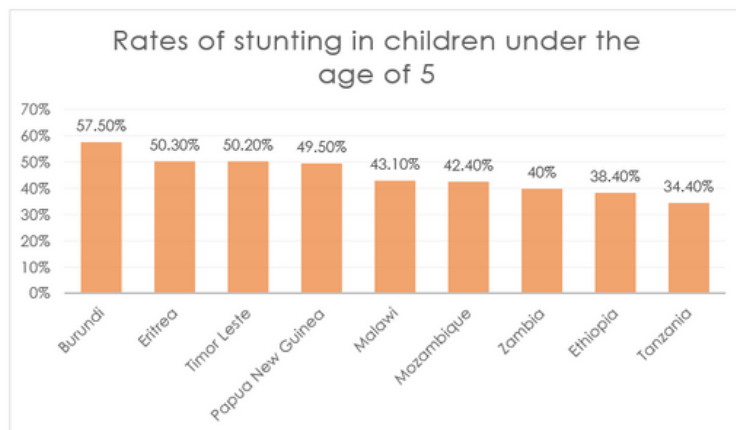


Figure 1: Countries with some of the highest rates of childhood stunting.

**Childhood stunting is defined as the percentage of children under the age of 5 whose height for their age is below minus two standard deviations.**

Improving village poultry production has been linked to improving nutritional outcomes, particularly with the consumption of eggs (vi). An average egg contains 315 kJ of energy, six grams of protein and 11 different vitamins and essential nutrients including vitamins A, B12, E, K, and choline and iron. A recent study conducted in Ecuador found that the consumption of one egg a day during complementary feeding stages reduces childhood stunting and improves the growth in young children considered stunted (vii). To assist in combating the prevalence of childhood stunting, KYEEMA works with communities to improve village poultry production, enabling households to consume high-quality, healthy and nutritious protein from chickens and eggs. We will continue to work with communities to create food systems that enable households to consume nutritious protein and combat childhood stunting.

(i) UNICEF, 2017

(ii) Pelletier & Frongillo, 2003

(iii) Martorell, et al., 1994

(iv) Spurr, et al., 1977

(v) International Food Policy Research Institute 2016

(vi) Ruxton, et al., 2010

(vii) Iannotti et al., 2017