Feed the Future Innovation Lab for Livestock Systems
Global prevalence of stunting

Childhood malnutrition costs 20 to 30 $billion

KENYA SCHOOL FEEDING STUDY

- Adapted from Demment, 2013
ASF SUPPLEMENTATION EFFECTS ON TEST SCORES

(Over 5 School Terms)

- Meat: +45%
- Milk: +28%
- Energy: -7%
- Control: -10%

Adapted from Weldon, 2016
ELANCO
Meat group
• Highest Raven scores
• Higher Vit. B12 status
• More physical activity
• More Arm muscle mass
• More leadership
• Higher test scores
• More playful

Milk group
• Improved growth
• Higher test scores
• Higher B12 status

Compared to all other groups, the MEAT GROUP
• Had greatest increase in % time spent in high activity levels, and least % time in low activity.
• Spent more % time in leadership and initiative.
• Were more talkative, playful – and “disruptive”

Adapted from Demment, 2013
LULUN EGG PROJECT, ECUADOR
(Ianotti, 2016)

- Giving one egg per day to 6-9 month olds in Ecuador for six months
- Reduced stunting (low height or length for age) by 47%
- Reduced wasting (low weight for age) by 74%

One egg per day boosts infant growth
*Newsweek*
VISION

To sustainably intensify animal-sourced food production in order to increase the incomes, livelihoods, nutrition and health of vulnerable people.
Livestock Systems Innovation Lab External Advisory Board meeting, March 8, 2016

Country Innovation Platform workshops

Ethiopia

Nepal

Burkina Faso

Cambodia

Rwanda

Niger
Feed the Future Vision:
Reduce global poverty and hunger through inclusive agriculture sector growth and improved nutritional status

Livestock Systems Innovation Lab Vision:
Sustainably intensify smallholder livestock systems in order to improve human nutrition, health, and incomes

Future Livestock Systems
- Role of Gender in Livestock Systems Research
- Human & Institutional Capacity Development
- Human Health & Nutrition

ASF Production & Marketing
Livestock Disease Management & Food Safety
Enabling Policies for Livestock

Research for development
Capacity for improved livestock systems
PROJECTS FUNDED ALONG THE ASF VALUE CHAIN

Inputs and Services

16

- Ethiopia: Brown, Merwe, Vipham
- Rwanda: Maier, Ndahetuye
- Nepal: Bowen, Mullally, Sah, Shrestha
- Cambodia: Grace, Tokach, Gill
- Burkina Faso: Alonso, Baido
- Niger: Baido, Isso

Production

10

- Ethiopia: Smith, Vipham
- Rwanda: Ndahetuye
- Nepal: Mullally, Sah, Shrestha
- Cambodia: Grace, Tokach
- Burkina Faso & Niger: Baido, Kisaalita

Transport

0

- Ethiopia: Minten, Vipham
- Rwanda: Ouma
- Nepal: Mullally
- Cambodia: Grace
- Burkina Faso: Alonso, Baido
- Niger: Baido

Marketing livestock

8

- Ethiopia: Amenu, Vipham
- Cambodia: Grace

Processing

3

- Ethiopia: Minten, Vipham
- Cambodia: Grace

Marketing livestock products

2

Home consumption

6

- Ethiopia: Amenu
- Rwanda: Ouma
- Cambodia: Grace
- Burkina Faso: Alonso, Kisaalita, McKune