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The U.S. Government's Global Hunger & Food Security Initiative

Feed the Future Innovation Lab for Livestock Systems

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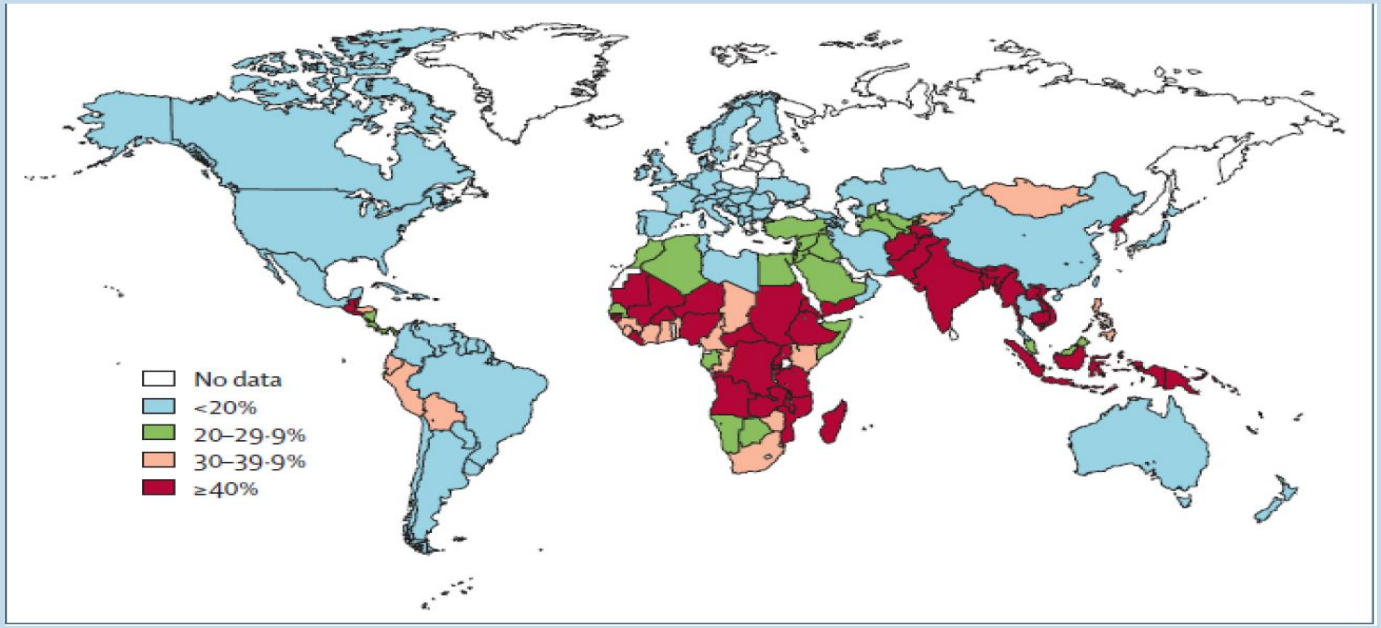
Global prevalence of stunting



Black et al. 2008

Childhood malnutrition costs 20 to 30 $billion

(Horton and Ross. *Food Policy. 2003;* 28: 51–57. R Martorell et al . *J. Nutrition.* 2010; 140: 348-54.
(Adapted from Ianotti, 2014)

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KENYA SCHOOL FEEDING STUDY

- Adapted from Demment, 2013

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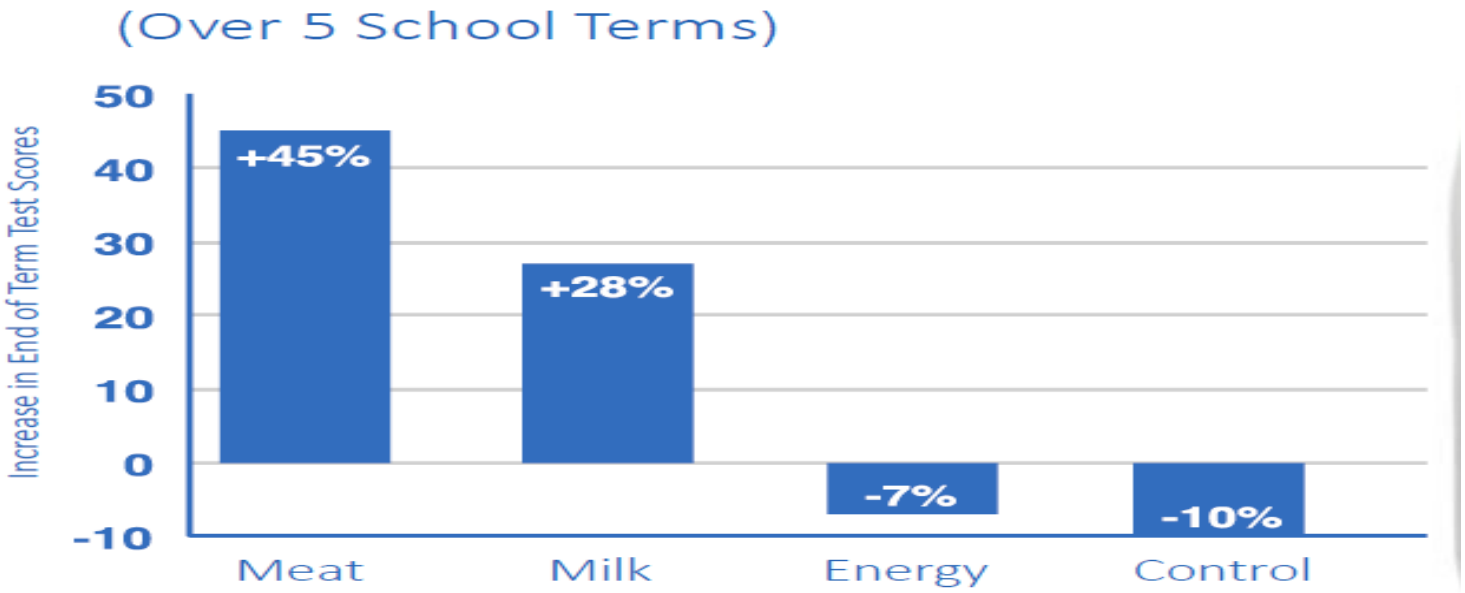
ASF SUPPLEMENTATION EFFECTS ON TEST SCORES



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

Adapted from Demment, 2013

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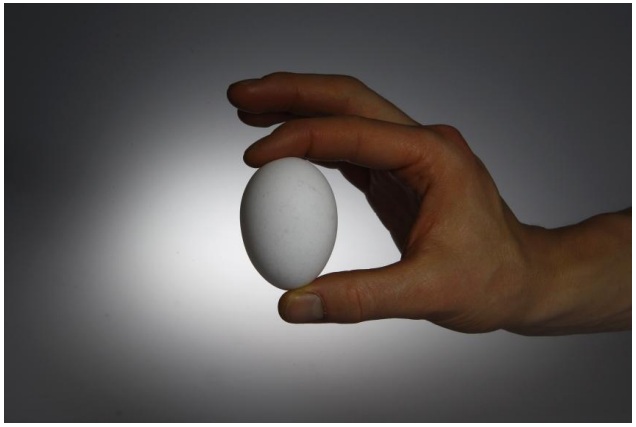
LULUN EGG PROJECT, ECUADOR

(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



lulun project

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VISION

To sustainably intensify animal-sourced food production in order to increase the incomes, livelihoods, nutrition and health of vulnerable people.

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Country Innovation Platform workshops

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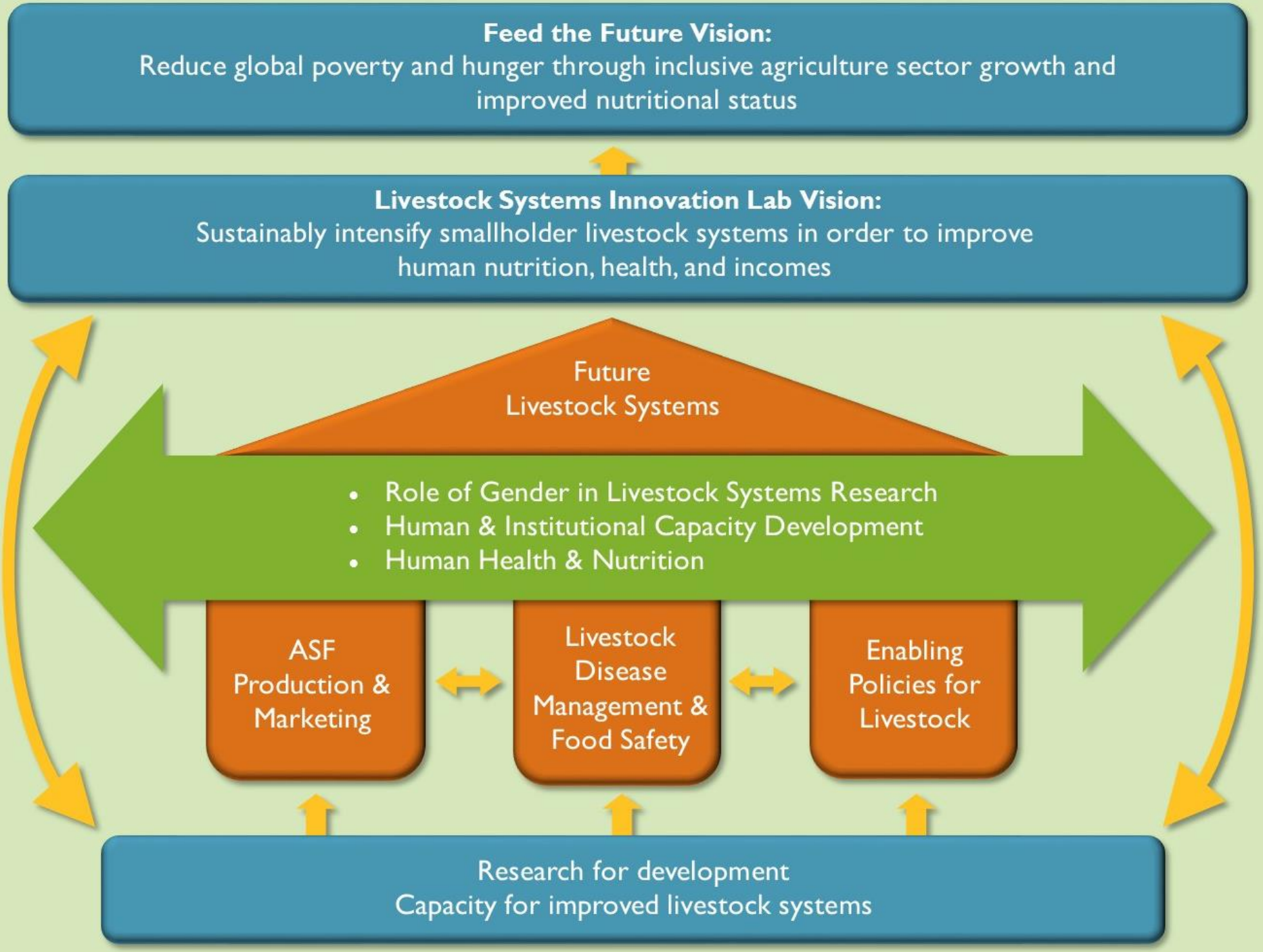
Feed the Future Vision:
Reduce global poverty and hunger through inclusive agriculture sector growth and improved nutritional status
Livestock Systems Innovation Lab Vision:
Sustainably intensify smallholder livestock systems in order to improve human nutrition, health, and incomes
Future Livestock Systems
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

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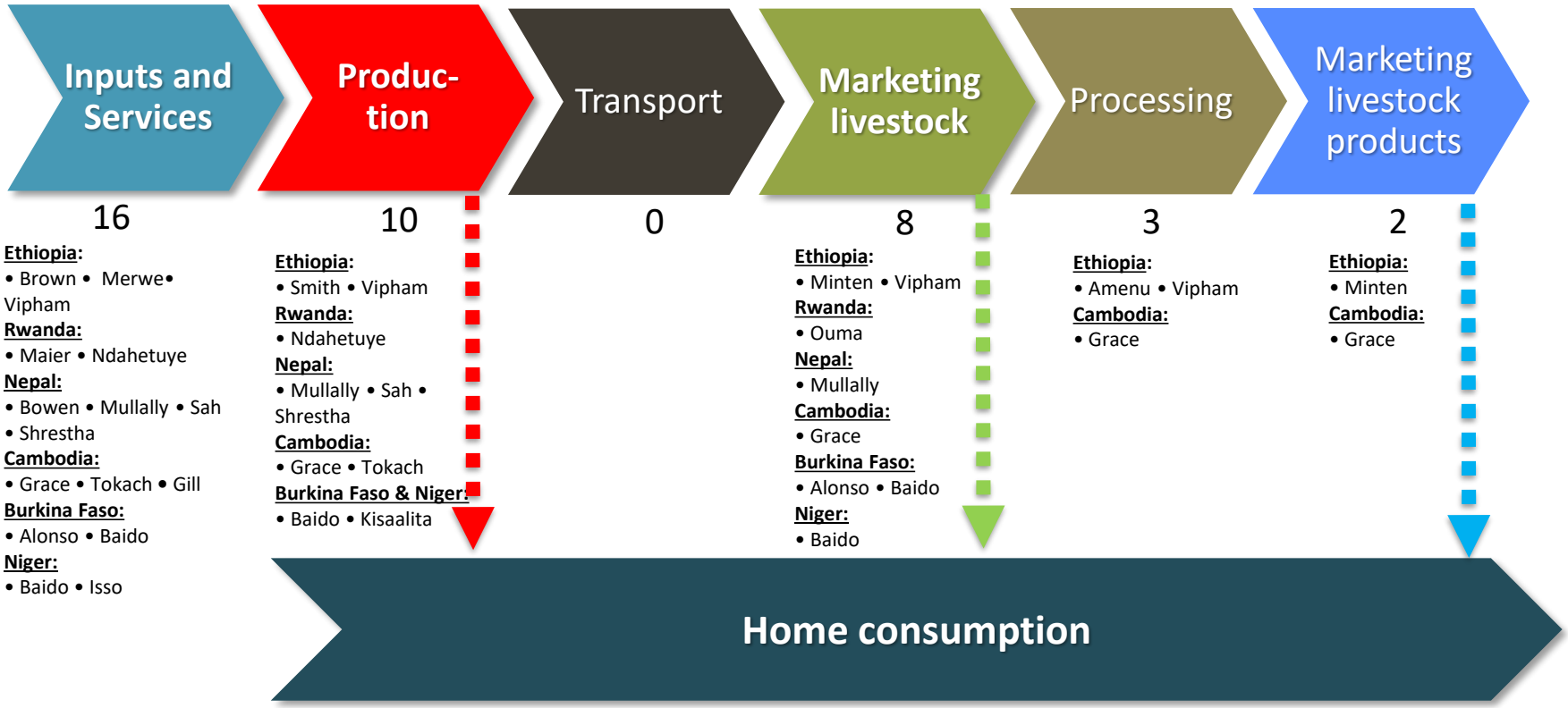
PROJECTS FUNDED ALONG THE ASF VALUE CHAIN



6
Ethiopia: • Amenu
Rwanda:• Ouma
Cambodia:• Grace
Burkina Faso:• Alonso • Kisaalita • McKune

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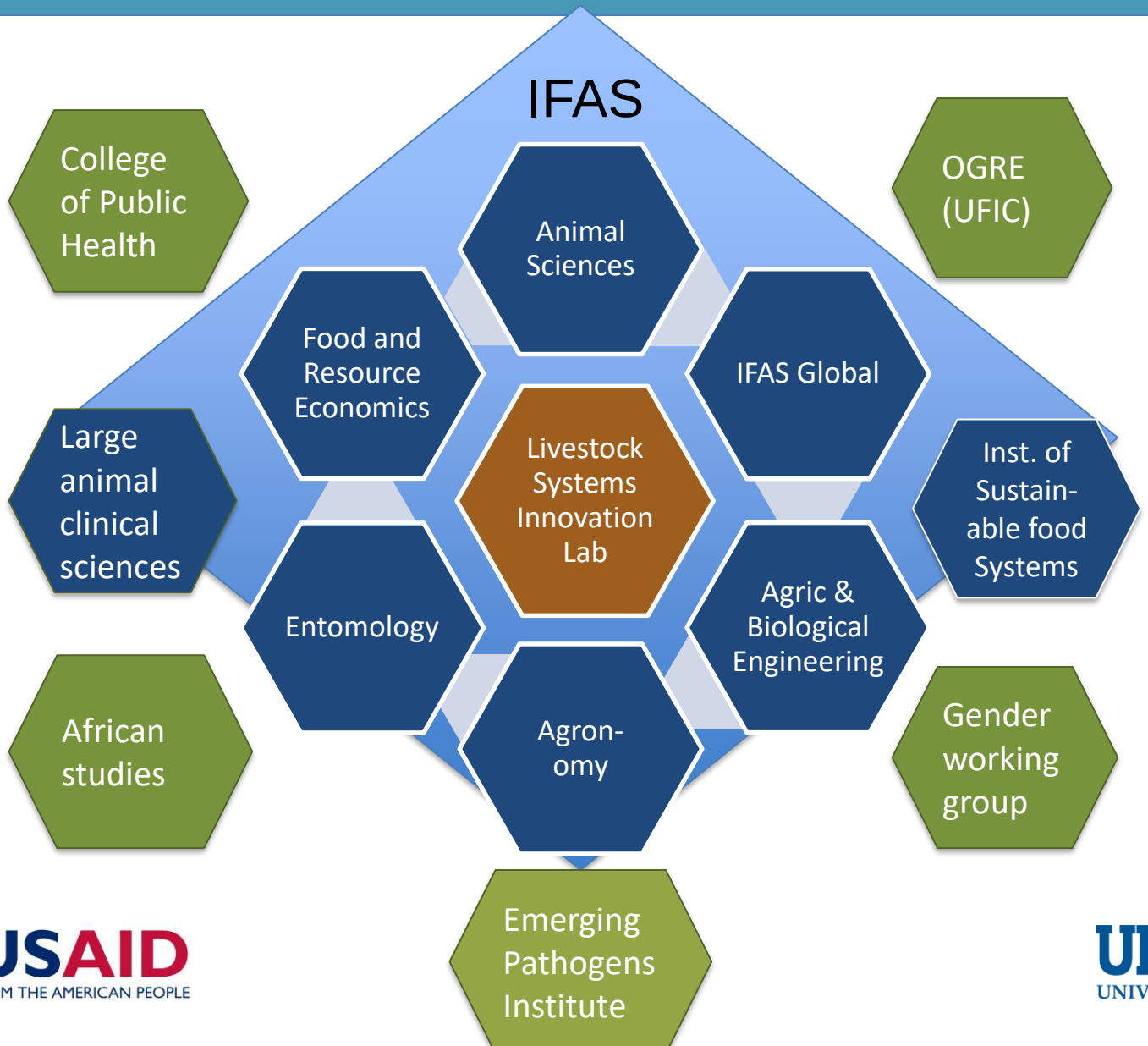

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www.feedthefuture.gov

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www.livestocklab.ifas.ufl.edu

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