Sustainable livestock production: Through a One Health lens

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42% of children under 5 years of age are stunted (i.e. chronically undernourished) in Mozambique.

Undernutrition in pups in Mozambique often accompanies undernutrition in children.
Increasing numbers of people & domestic animals: unintended consequences

- Modern broiler carcass – more energy coming from fat than protein with reduction in omega-3 fatty acids (Wang et al. 2009)

- Diminished nutrient profiles of farmed fish (de Roos et al. 2017)

- Used to treat ill health in people, animals and plants

- Stressed organisms have lower immunity

- Project: CE4AMR - The One Health Approach*

* Community Engagement for Anti-microbial resistance: The One Health Approach

https://www.kisanestore.com/streptocycline--antibacterial-6-grams


https://www.istockphoto.com/photos/aquaculture?phrase=aquaculture&sort=mostpopular

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One Health, Zero Hunger*

- Family farmers, fishers and their aquatic and terrestrial animals - central to achieving Sustainable Development Goal 2: Zero Hunger

- Circular food economies valuing all inputs - including human and animal resources, nutrients, soil, and water

- One Welfare** - interconnections between animal welfare, human wellbeing and the environment

* 2020 Global Hunger Index Essay 'One Health, Zero Hunger

** Kyeema Foundation One Welfare Position Statement