

UNIKASSEL ORGANIC VERSITÄT AGRICULTURAL SCIENCES

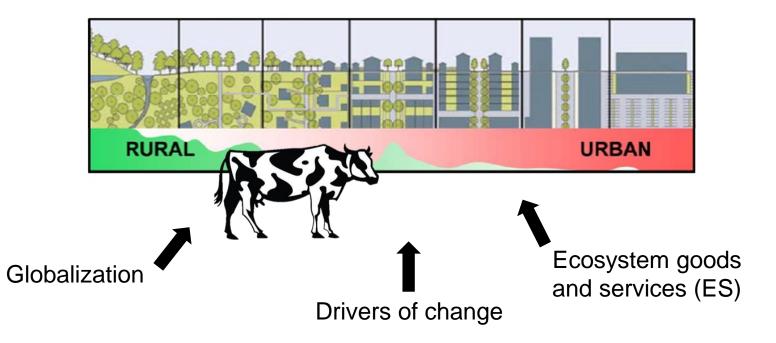
Constraints and opportunities of dairy production to provide ecosystem services in urban India

M. Reichenbach*, A. Pinto, S. König, P.K. Malik, and E. Schlecht *Animal Husbandry in the Tropics and Subtropics, University of Kassel DFG-founded Research Unit FOR 2432



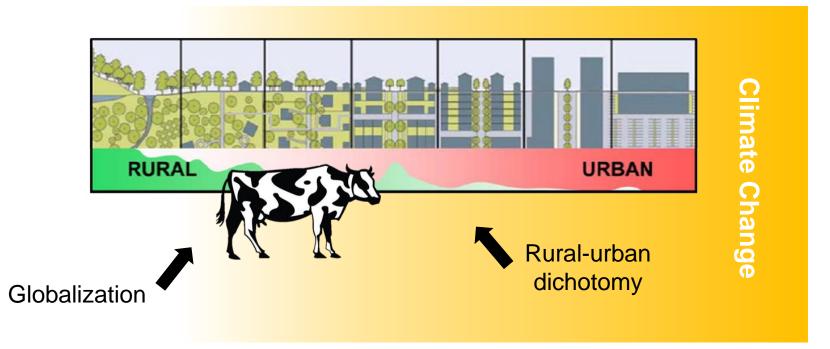
Background Agroecosystems under pressure

Linkages between production and consumption are becoming more <u>complex</u>

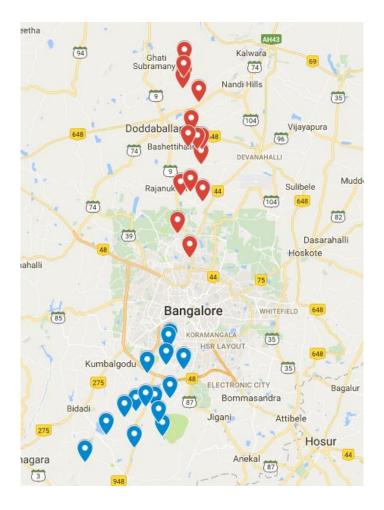


Background Agroecosystems under pressure II

Linkages between production and consumption are becoming more <u>complex</u> and <u>looser</u>



Methodology Dairy Production Baseline Survey



Location

Two transects in the Rural-Urban Interface (RUI) of Bangalore

Urbanization assessment

Survey Stratification Index (Hoffmann *et al.*, 2017)

Survey

337 dairy households across 32 locations, incl. 30 surveys across 8 urban areas

Results Bangalore urban dairy farmers

Similar within the whole RUI

Socio-economic profile Family-based production

Specific to urban areas

Landless Alternative marketing channels Higher production potential

Results Provided Ecosystem Goods & Services

Provisioning Services



High-value Brotherance for native barettoss production possible productivity Husbandry

Results Provided Ecosystem Goods & Services II

Supporting Services





Results Provided Ecosystem Goods & Services III

Cultural Services



Spiritual and religious



Social links

Conclusion From Ecosystem Services to Social-Ecological System (SES)

Social framework needs to be taken into account

