

# Transition to sustainable mountain agriculture: Agroforestry experiences in the mid-hills of Nepal

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## Participating actors



**KEN - Kaule Environment Nepal:** Local farmer NGO with focus on agroforestry (AF) and environmentally friendly development, c. 100 members.



**Kaule e. V. – Organization for Socially Sustainable Agro-Projects:** NGO for development cooperation. Fundraising and supportive project design since 2007.



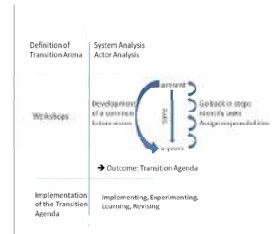
**Scientists:** BSc, MSc, PhD students from various disciplines of natural and social sciences and engineering.



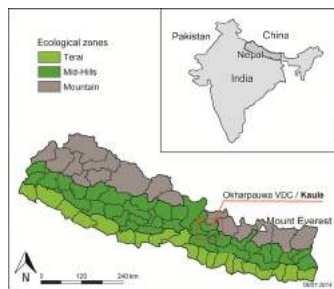
**Volunteers**



## Research



Phases of backcasting implementation



## Study & project area

Kaule village, 25 km north-western of Kathmandu, in the mid-hills of Nepal

## Development Cooperation

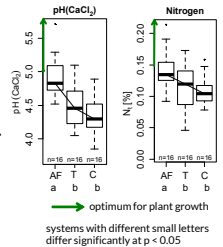


Ranking of the most urgent problems amongst three workshop groups

Women	Men	Leaders
Water	Water	Water
No government or public toilet	No government toilet	No high school
Trade	Health	Schooling cost
Health problem for women	No high school	No building for extension of the school
Weak infrastructure	Screen	Screening water

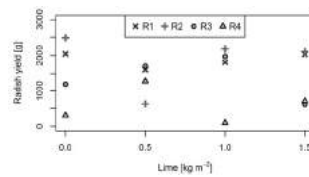


## Soil analyses



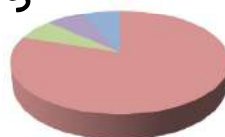
Significantly better soil quality in AF than in mono-cropping systems

## Selection of scientific outcomes

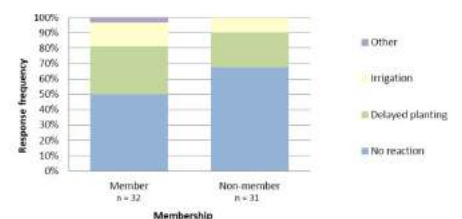


Liming: Expenses outweigh profit

## Climate change



Perceived change in the occurrence of drought



Response to climate change in relation to KEN membership

**Insights from cost-effective interdisciplinary research facilitate sustainable development**



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