

Goal: Up-scaling of anthropological data on livelihood security and water use

Background: Phenomena occurring at any level of spatial resolution are affected by mechanisms occurring at the same level, by the level immediately below, and the level immediately above. Thus, much of the research on water and livelihood processes must be examined from a holistic multilevel perspective. Additionally gender and population density (rural / urban areas) have to be taken into account.

The multilevel approach required: 1) an INITIAL SURVEY

INITIAL SURVEY

Goal: Initial data on a regional level and choice of focus villages.

Results: data on water, social organization, economy, medicine.

basic requirements (2004).

METHODICAL PROCEDURE

discrepancy are:

Goal: Comparison of past insights on the micro level with the macro level by a

statistically representative data on livelihood

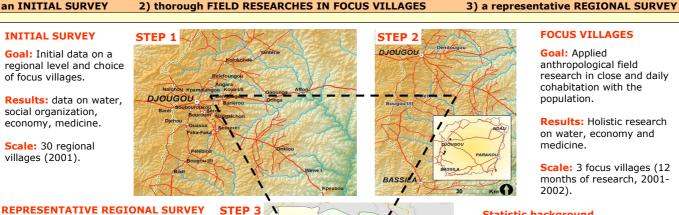
Results: Statistically representative data on

Livelihood Security (Water, Work, Capital, Health, Risk Strategies, Nutrition).

Scale: 20.000km², 64 places (urban /

security, well-being and the satisfaction of

Scale: 30 regional villages (2001).



FOCUS VILLAGES

Goal: Applied anthropological field research in close and daily cohabitation with the population.

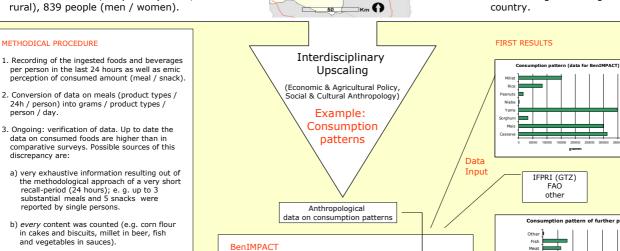
Results: Holistic research on water, economy and medicine.

Scale: 3 focus villages (12 months of research, 2001-2002).

Statistic background

The highest **probability** (99% respective 95% with sensitivity to the most favourable and sex) confidence interval achieve the data on a regional level and as a computed value also on the national level.

However the data should be applied to national level only with caution due to the high heterogeneity of the country.

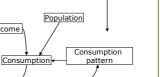


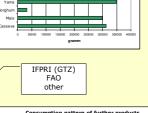
- 4. Provision of the verified data for the Agrarian Sector Model BenIMPACT
- 5. Upscaling: Calculation of a consistent commodity balance for model regions based on collected data of per capita consumption, but as well with simultaneous consideration of further sources.
- production + inflows = (consumption per capita * population) + outflows

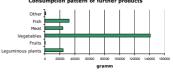
reported by single persons.

and vegetables in sauces).









In case that *all* consumed products are counted, the menu-list has to be extended by vegetables and leguminous plants (ingredients of sauces). Fruits barely played a role in the survey period (mars / mai 2004). The category "other" includes e. g. sugar and bread.



Agricultural

production

Agricultural income

Prices

Bundesministerium für Bildung und Forschung

