

Proposal for a subproject covering parts of WP 2 and WP 5

Mogens Buch-Hansen and ??????

The subproject will take its point of departure in the local registration and possible predictions of water disasters and similar disasters related to natural hazards, such as typhoons, droughts, salt water intrusion, etc.

The root causes of natural hazards turning into disasters shall be found in the interrelationship between climate variability and extremes and human induced environmental changes and management, such as construction of dykes, river embankment, reservoirs (for irrigation, hydropower, flood protection, etc.), afforestation, tree planting and general watershed management.

Different locations and households will be **ecologically vulnerable/resilient** according to the specific interrelationship of above variables.

Ecological vulnerability/resilience is mitigated or acerbated by **socio-economic vulnerability/resilience** at household, village, commune, district, provincial, national and global level.

Adaptation to climate variability and extremes is to decrease ecological and socio-economic vulnerabilities and thereby enhance resilience to present and future natural hazards with a view to prevent they turn into disasters.

Proposed methodology:

Villages and households will be selected with a view to study their ecological and socio-economic vulnerabilities and resilience. The socio-economic vulnerabilities and resilience will be studied through a combination of literature review, statistical analyses and in-depth interviews with authorities at the different levels and a strategic selection of households representing the variety in terms of incomes and social status.

Mogens Buch-Hansen

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