

レジリアンス・プロジェクト平成 21 年度研究計画
(Resilience Project Research Plan for FY2009)

1. 氏名/所属: name/affiliation

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2. 具体的な研究課題 (今年度) Research Topic (FY2009)

- 1) Growth Accounting Model for a Measurement of Crop Resilience to Drought
- 2) Drought Impact Analysis: An Oaxaca Decomposition of Malmquist Index
- 3) Under- and Over-Nutrition Children: Logical or Paradoxical?

3. 具体的な研究内容 (今年度) Contents of Research (FY2009)

The researches attempt to address two separate but related issues on drought impact on crop production and child health. The first issue addresses income which is a determinant of current consumption. The second issue addresses investment which determines future income. The former looks at short-run impact of shocks and the later looks at long-run impact of shocks.

4. 今年度末までの達成予定 (上記の課題毎に, 何をどの程度明らかにできるか)

Goal until the end of FY2009

- 1) Develop theoretical model to measure crop and household resilience,
- 2) Examining factors determining under and over nutrition
- 3)

5. 今年度現地調査予定 Field trip schedule

- 1) 時期 Time: Aug 12–Sept 12
- 2) 目的 Purpose: Collecting additional data necessary for completing the proposed research plan and to attend a conference.
- 3) 内容/準備状況 Contents/preparation
 - Monitoring field survey,
 - collecting rainfall data in southern and eastern province,
 - obtaining consumption unit conversion (field measurement),
 - collecting census data, CFS, PHS, demographic and health survey,
 - accompanying Yamauchi-san to the field,
 - attending Lusaka workshop and
 - attending DEA conference at Warwick University, UK.

6. 次年度以降の計画予定概要 Research Plan from the next FY
(平成 22 年度) FY2010

- 1) Spatial Analysis of Crop Resilience to Climatic Shock
- 2) Spatial Analysis of Child Health and Nutritional Status

(平成 23 年度) FY2011

- 1) General Equilibrium Model to Assess Ecological and Household Resilience to Climatic and Social Shocks,
- 2) Econometric model to analyze factors determining household vulnerability and resilience

7. 成果発表計画 Publication and Presentation Plan

発表予定学術誌 (学術誌名) Expected journal article (journal name): Drought Impact Analysis: An Oaxaca Decomposition of Malmquist Index for *American Agricultural Economics*,

Under- and Over-Nutrition Children: Logical or Paradoxical? for *Africa Development*.

発表予定学会（学会名・時期）Planned presentation (conference, when) WEAI, June 2009 (Vancouver, Canada); OR 51, Sept 2009 (Warwick, UK).

ワークショップ等 Workshops: Lusaka WS

8. その他（何かあれば）Others (if any): None.