



## The 2<sup>nd</sup> Lusaka Workshop on Vulnerability and Resilience of Social-Ecological Systems

### "Towards Resilience of Rural Households in Drought-Prone Areas"

**Date and Time: 28 August 2009, 8:30-17:30**

**Venue: Mika Lodge, plot # 106, Corner 1st street & Central Street, Jesmodine, Lusaka**

**Organized by: Resilience Project, Research Institute for Humanity and Nature, Japan; and  
Zambia Agricultural Research Institute (ZARI)**

#### **Purpose of the Workshop**

In the Semi-Arid Tropics (SAT) where people largely depend on vulnerable rainfed agricultural production systems, protecting human security of the people in the region is an acute issue. To enhance the human security of the region, it is essential to consider how to enhance the resilience and reduce vulnerability of the livelihoods. In order to examine the resilience of SAT, it is vitally important to consider resilience of social-ecological system as an integrated system. In the workshop, we consider resilience to environmental variability, such as drought and flood, and social changes. Secondly we consider resilience for protecting human security, i.e. survival, livelihoods and dignity. Finally we consider resilience of food supply and consumption, health status, agricultural production and livelihoods. The workshop aims at identifying the factors affecting resilience and the ways to enhance the resilience to environmental variability of rural people in drought-prone areas.

#### **Workshop Programs:**

- Climatic variation and ecological resilience
- Food production, livelihood system and household resilience
- Poverty, nutrition and health situation
- Adaptation, vulnerability and resources

For inquiry and participation, please contact: [resilience-prj@chikyu.ac.jp](mailto:resilience-prj@chikyu.ac.jp). All participants are requested to send *name, affiliation and contact information* to confirm/reconfirm your participation by no later than, **August 3<sup>rd</sup>, 2009**.

## **The 2<sup>nd</sup> Lusaka Workshop Program**

### **Towards Resilience of Rural Households in Drought Prone Areas**

**Date:** 28 August, 2009

**Venue:** Mika Lodge, plot # 106, Corner 1st street & Central Street, Jesmodine, Lusaka

**Organizer:** Resilience Project, Research Institute for Humanity and Nature, Kyoto, Japan; and  
Zambia Agricultural Research Institute (ZARI)

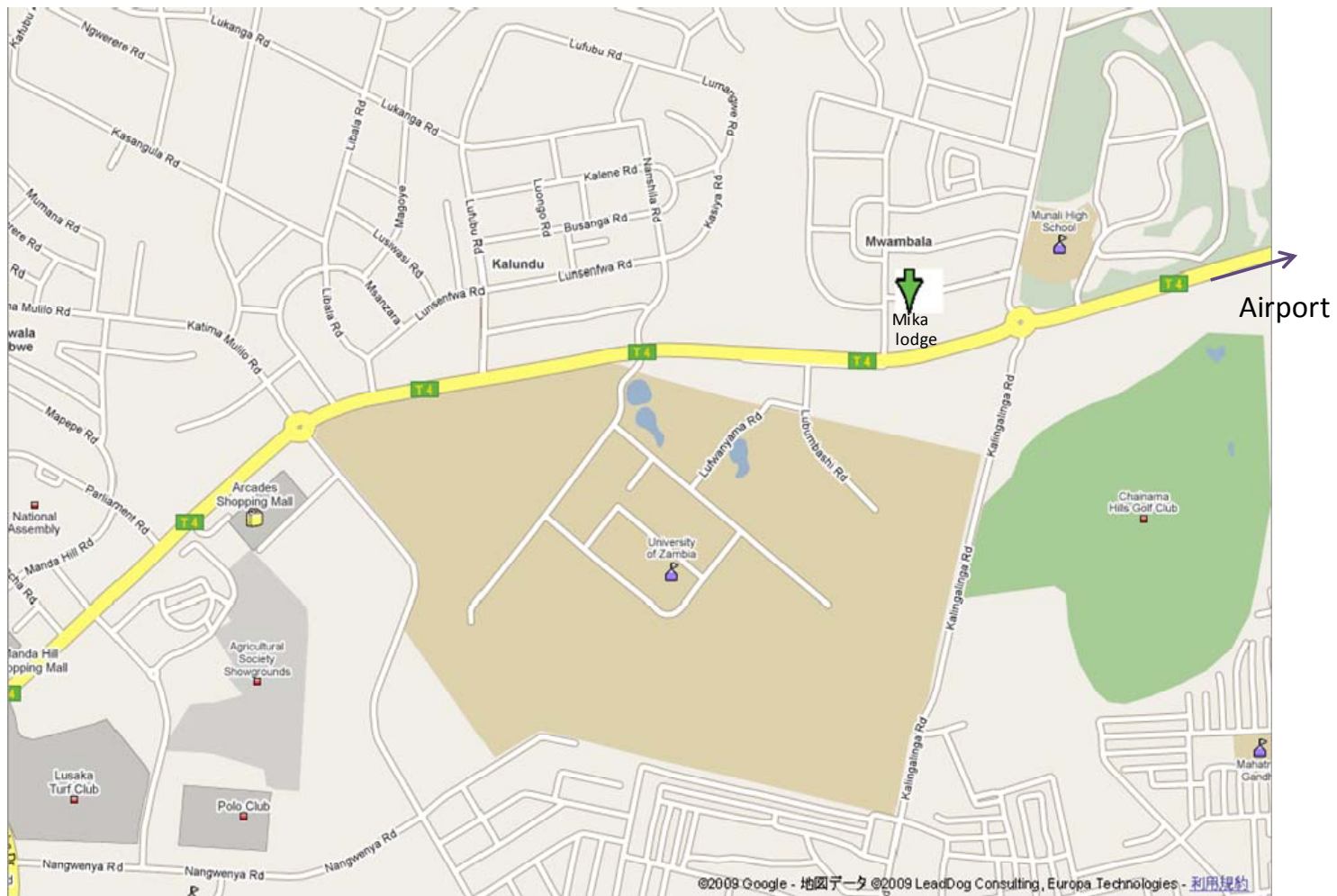
#### **Tentative Program**

##### **Friday August 28: 8:30-17:30**

8:30-9:00	Registration
9:00-9:20	Welcome Speech and Introduction to Resilience Project
9:20-10:40	Session I: Climatic variation and ecological resilience (4 papers)
10:40-10:55	Break
10:55-12:15	Session II: Food production, livelihood system and household resilience (4 papers)
12:15-13:30	Lunch
13:30-14:50	Session III: Poverty, nutrition and health situation (4 papers)
14:50-15:05	Break
15:05-16:45	Session IV: Adaptation, vulnerability and resources (5 papers)
16:45-17:00	Break
17:00-17:30	Discussion and Conclusion

### Workshop Program (*Tentative*)

Time	Program
8:30-9:00	<b>Registration</b>
9:00-9:20	<b>Opening speech:</b> by representative of the Japanese Embassy <b>Welcome speech:</b> by director of ZARI <b>Overview of the Resilience Project:</b> by Chieko Umetsu, project leader
9:20-10:40	<b>Session I: Climatic variation and ecological resilience</b> <b>Session chair: Moses Mwale, ZARI</b> <ol style="list-style-type: none"> <li>1. S. Sokotela et al. "Demonstration and evaluation of agro-forestry plants in soil fertility restoration for sustainable agriculture at Mwelwa village in chief Sandwe's area of Eastern Zambia"</li> <li>2. A. Yatagai "Precipitation analysis based on satellites and rain-gauge over Zambia"</li> <li>3. M. Ndebele-Murisa "The fate of phytoplankton in a changing world and the link to fisheries livelihood"</li> <li>4. H. Shinjo et al. "Land clearing impact on crop productivity and soil conditions in a Miombo woodland in Eastern Province, Zambia"</li> </ol>
<b>15-Minute Tea Break</b>	
10:55 -12:15	<b>Session II: Food production, livelihood system and household resilience</b> <b>Session chair: Kazuo Hanzawa, Nihon University</b> <ol style="list-style-type: none"> <li>1. C. Umetsu "Resilience of rural households: The way forward for rural development"</li> <li>2. C. Ito "Qualitative analysis of livelihood diversity in rural Zambia: Focusing on process and access"</li> <li>3. T. Sakurai "What is resilience in the face of variable rainfall in rural Zambia?"</li> <li>4. G. Kajoba "The impact of droughts and floods and vulnerability of the food system in Zambia"</li> </ol>
<b>75-Minute Lunch Break</b>	
13:30-14:50	<b>Session III: Poverty, nutrition and health situation</b> <b>Session chair: Gear Kajoba, UNZA</b> <ol style="list-style-type: none"> <li>1. B. Siamwiza "Surviving impact of drought in a semi-arid region: The case of the Gwembe valley"</li> <li>2. T. Yamauchi, "Growth and nutritional status of children and adults living in contrasting ecological zones in the Southern Province of Zambia"</li> <li>3. T. Lekprichakul "Is child obesity a new face of under-nutrition in Zambia?"</li> <li>4. C. Mulenga "Food security in Zambia"</li> </ol>
<b>15-Minute Tea Break</b>	
15:05-16:45	<b>Session IV: Adaptation, vulnerability and resources</b> <b>Session chair: Shiro Kodamaya, Hitotsubashi University</b> <ol style="list-style-type: none"> <li>1. M. Yoshimura "Concept of multi-dimensional data integration in Southern Province"</li> <li>2. M. Yamashita &amp; H. Miyazaki "Land use/cover mapping for understanding the livelihoods at village level using multi-spatial and temporal data"</li> <li>3. Y. Ishimoto "Social Network as Insurance in Tonga Community: a Forecast Report"</li> <li>4. M. Okamoto "Some problems of cattle grazing among the Gwembe Tonga along the Lake Kariba"</li> <li>5. K. Matsumura "Food security institution in Zambia: A case study of food aid in Sinazongwe District, 2005-2008"</li> </ol>
<b>15-Minute Break</b>	
17:00-17:30	<b>Discussion and conclusion</b>



**Map to Mika Lodge plot # 106, Corner 1st street & Central Street, Jesmodine, Lusaka**

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