

PRESENTATION GIVEN AT

**THE CENTER FOR CONSERVATION GOVERNANCE AND
POLICY, ASHOKA TRUST FOR RESEARCH IN ECOLOGY
AND THE ENVIRONMENT, (ATREE)**

JULY 31, 2009

BANGALORE, INDIA

BY TERILYN ALLENDORF

**THE PRESENTATION DESCRIBES THE IGERT PROGRAM:
“CONSERVATION AND SUSTAINABLE DEVELOPMENT IN
SOUTHWEST CHINA”
AND PRESENTS THE PROS AND CONS OF SUCH INITIATIVES**



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USAID
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Land Tenure Center

**TRAINING GRADUATE STUDENTS TO UNDERSTAND
SUSTAINABLE DEVELOPMENT AND BIODIVERSITY
CONSERVATION OVER A LANDSCAPE IN NORTHWEST
YUNNAN, CHINA**

**(NSF INTEGRATIVE GRADUATE EDUCATION AND
RESEARCH TRAINEESHIP)**

Terilyn Allendorf, Land Tenure Center, University of Wisconsin-Madison, USA



Provided by the **Land Tenure Center**. Comments encouraged:
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Training graduate students to understand sustainable development and biodiversity conservation over a landscape in northwest Yunnan, China

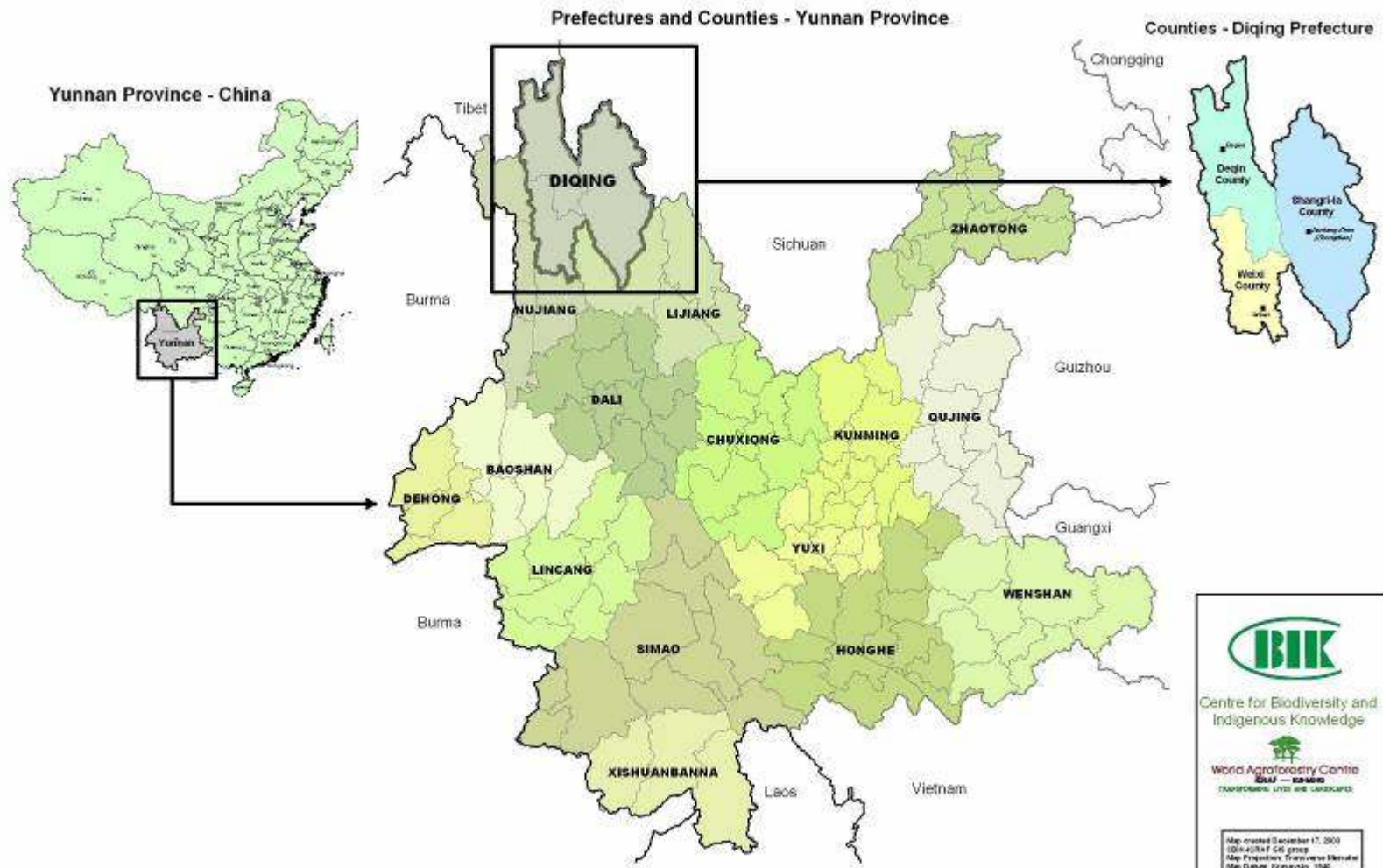
(NSF Integrative Graduate Education and Research Traineeship)



www.swchina.wisc.edu
www.igert.org







Centre for Biodiversity and Indigenous Knowledge

World Agroforestry Centre
ICRAF — *RAI*
TRANSFORMING LIVELIHOODS AND LANDSCAPES

Map created December 17, 2009
 100x400x400 600 pixels
 Map Projection: Transverse Mercator
 Map Datum: WGS84, UTM

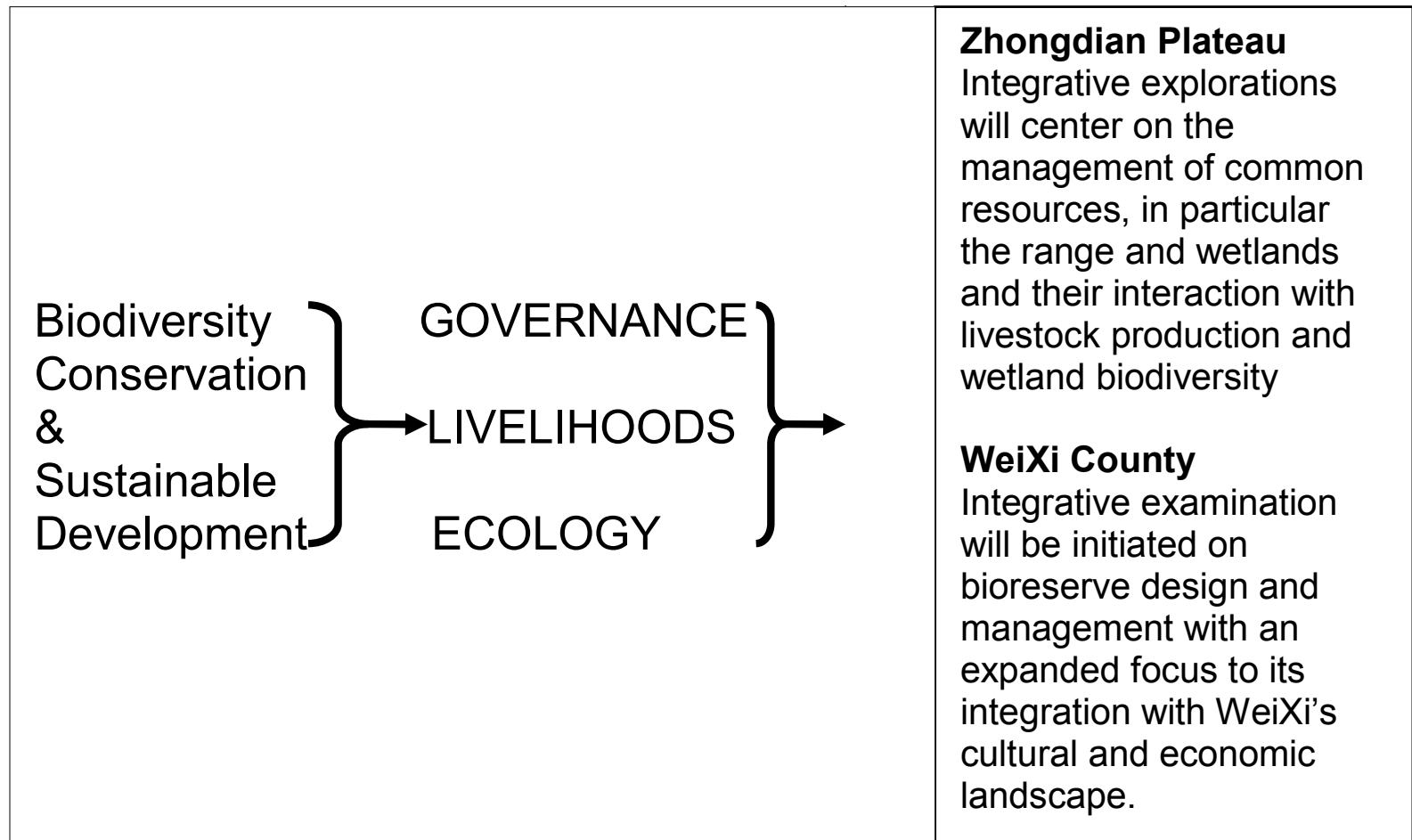
The major goals of this IGERT program are to train social, biological and physical scientists:

- **Who are highly capable in their core disciplines and literate in other relevant disciplines allowing them to work as members of interdisciplinary teams conducting research to solve complex environmental problems;**
- **Who have direct experience in and knowledge about conducting research in a developing country where very different socio-cultural and political parameters are likely to exist; and,**
- **Whose cognitive framework and approach will be simultaneously interdisciplinary, global, and ethical.**

To meet the challenge of biodiversity conservation and sustainable livelihoods, our vision is to prepare US scientists capable of working at the confluence of three forces:

- ***ecological and natural resource factors* that govern the existing and future patterns of biodiversity;**
- ***economic livelihoods and population dynamics* of local people that drive patterns of resource use; and,**
- ***policy and governance structures* that impact biodiversity conservation and human development.**

Linking Interdisciplinary Training and Research



Students

- Current students
 - Public Health
 - Zoology
 - Botany
 - Agricultural and Applied Economics
 - Political Science
 - Geography
 - Wildlife Ecology
 - Forestry Ecology and Management
 - Anthropology
 - Land Resources/Agronomy
 - Rural Sociology
 - Engineering



Chinese Partners:

1. Kunming Institute of Zoology
2. Kunming Institute of Botany
3. Xishuangbanna Tropical Botanical Garden
4. Chengdu Institute of Biology
5. China Center for Economic Research-Peking University
6. Institute of Sociology
7. Institute of Rural Development



Institute of Zoology



Yeri Field Station

Types of funding

- Trainee Awards
 - 2 years stipend
 - IGERT seminar
 - Two “literacy” courses
 - Language training
 - Interdisciplinary dissertation committee
 - Summer training program
- Associate Awards
 - research grants of up to \$4,000



Issues

- Benefits of place-based interdisciplinarity
 - bottom-up training using a landscape



Issues

- Limitations of place
 - Making research fit the place
 - Given current events, need to expand landscape



Issues

- Role of networking among scientists working in the same landscape



Issues

- Two models of interdisciplinarity
 - individual
 - collaborative



University of Minnesota

Conservation Biology Program

- FW 8452: Conservation Biology - 3 cr. (Fall)
- CBIO 8004: Economic & Social Dimension of Cons. Biology- 3 cr. (Spring)
- CBIO 8103: Research in support of resource management - 2 cr. (Fall)
- CBIO 8001: Conservation Biology Seminar - 1 cr. (Fall, Spring)
- CBIO 8095: Contemporary Problems in Cons. Biology - 1 cr (Fall, Spring) Prelim process

Thank you

