

*International Symposium on Integrated
Land Use Management in Eastern
Himalaya*

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Saint Paul MN



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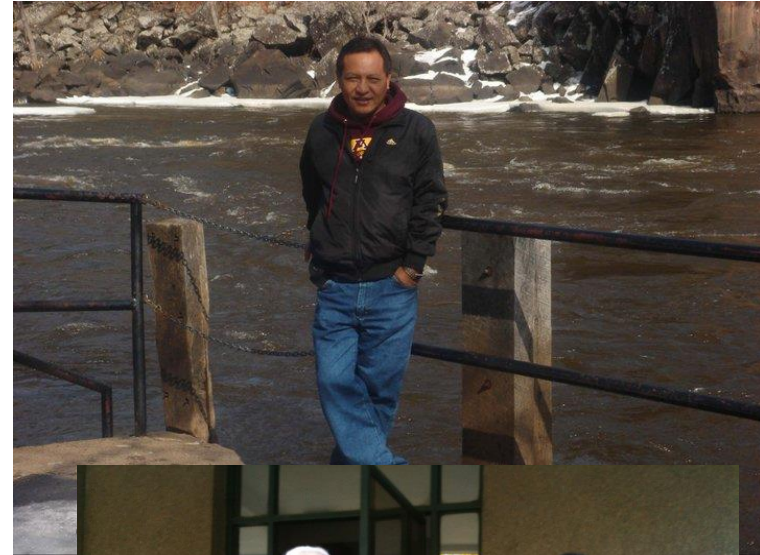
Presentation outline

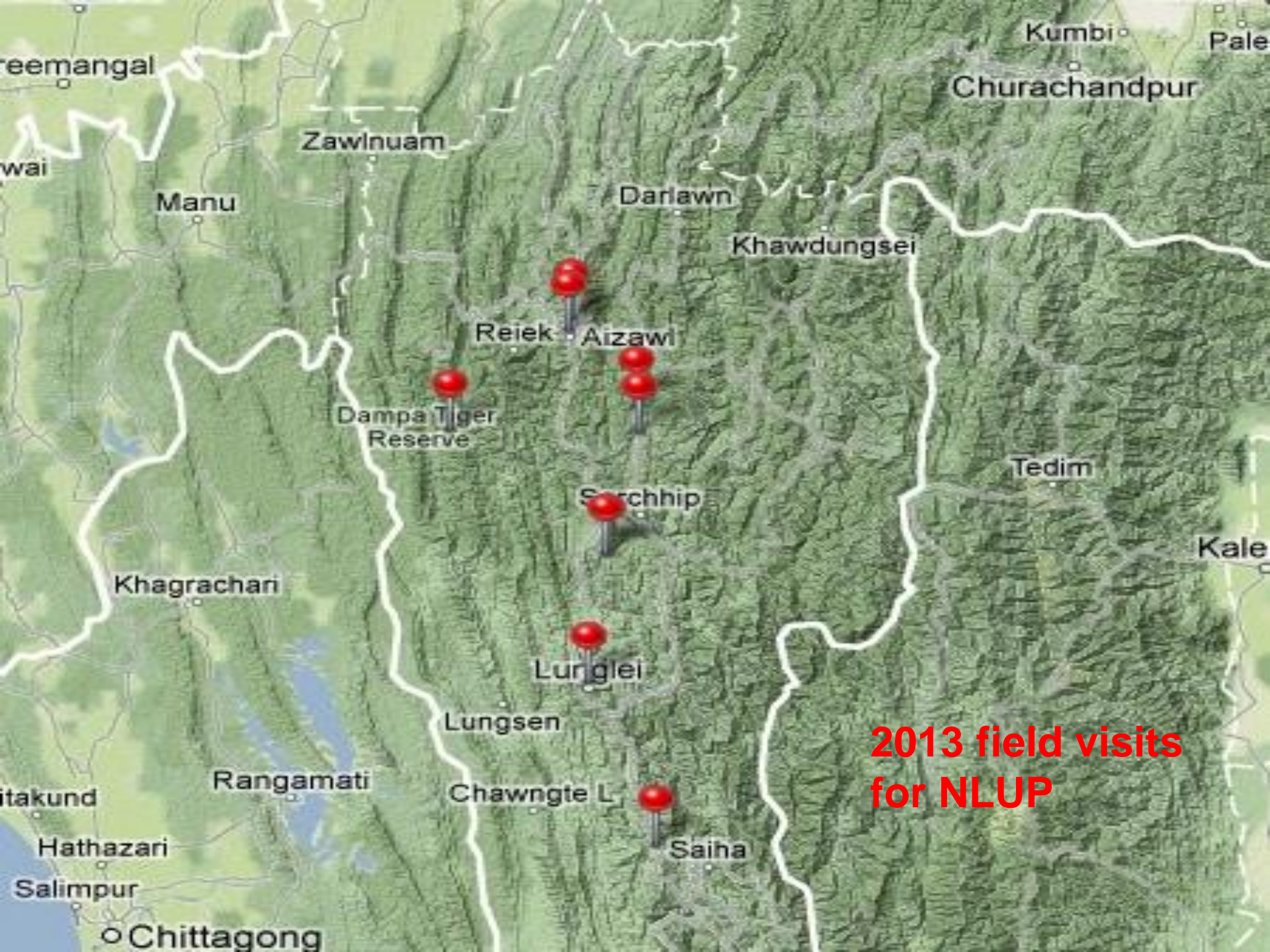
- Introduction to the symposium – the Minnesota/Mizoram connection
- Collaboration 2012-2015
- Symposium expectations and outcomes



Symposium origins

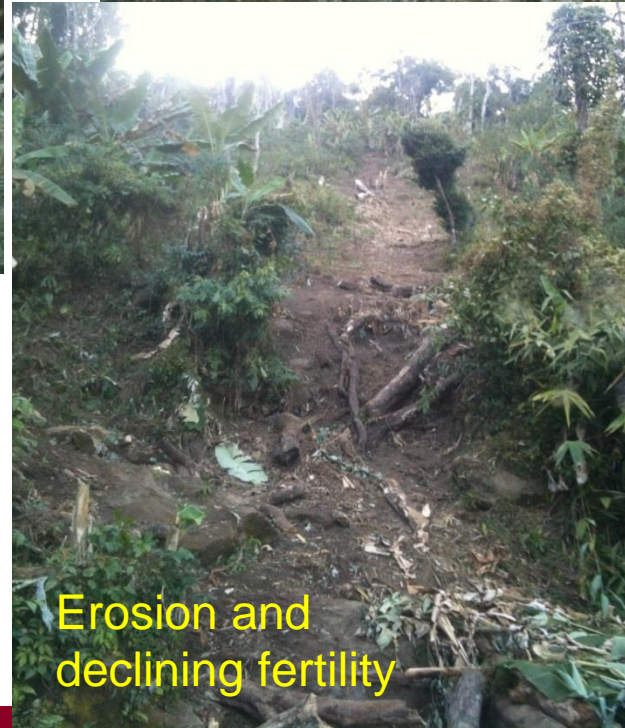
- Chongthu Chaungnunha visited CFANS as a Fulbright Fellow from Mizoram in 2010
- FAO and the University of Minnesota signed MOU in 2012. FAO-India and Bangladesh participate in 2014 symposium
- Invitation from Govt of Mizoram to do an interdisciplinary assessment (January - February 2013)





**2013 field visits
for NLUP**

Key issue: Impact of shifting cultivation on forests and soils



Key issue: Water

Scarcity and water quality



Many water points but little maintenance

Extreme water scarcity in dry season



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Key issues in Mizoram: Food and livelihood insecurity

Population growth +/-%:

- **1951:** 196,000 —
- **1961:** 266,000 +35.7%
- **1971:** 332,000 +24.8%
- **1981:** 494,000 +48.8%
- **1991:** 690,000 +39.7%
- **2001:** 889,000 +28.8%
- **2011:** 1,091,000 **+22.7%**

● Source: Census of India [\[12\]](#)

LAND REQUIRED FOR RC: 110,583 HA
POTENTIAL AREA FOR WRC: 8,132
HA



JHUM IS NOT SUFFICIENT; 74% OF RICE REQUIREMENT IS NOW IMPORTED.



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Realization of the need to examine changes in land and water use in light of population growth and economic development



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GPS/Alliance Global Spotlight Grant 2013-2015

MOU – MZU and UMN 2013-2016

MZU team members:

Laltanpuii Ralte, Lalnilawma, John Zothanzama, K.C. Lalmalsawmzauva, F. Lalnunmawia, H. Lalramnghinglova

UMN team members:

Bob Blanchette, Dean Current, Karlyn Eckman, Joe Magner, Michele Schermann + two grad students



Multiple faculty exchange visits, lectures, and joint research activities

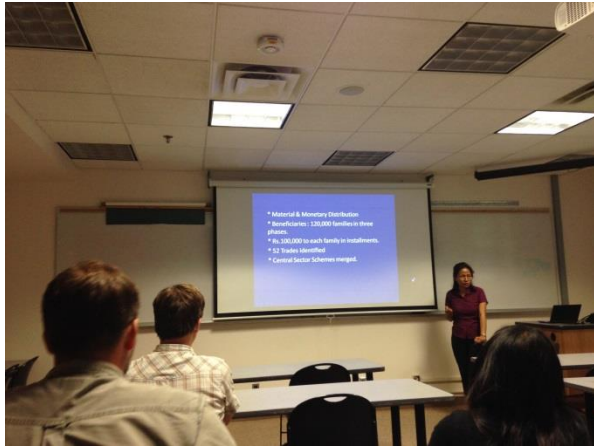
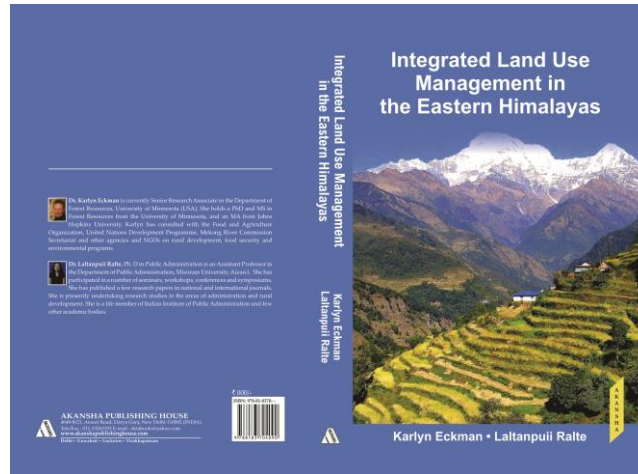


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Joint Activities



Joint Activities



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MZU – UMN Activities

- Faculty exchange visits
- Field research launched:
 - KAP study on farming practices
 - Value chain analysis
 - Mushroom identification
 - Hydrologic studies
 - Erosion studies
- Two symposia (2014, 2015)
- Edited volume on land and water in the Eastern Himalayas (Akansha 2015)



Symposium expectations and outcomes

- Research updates and possible applications
- Identify key areas for future collaboration
- Consider future needs and resources
- Publications
- Next steps



Acknowledgements

- State Government of Mizoram (PHED)
- Mizoram University faculty and staff
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