

**Retreat Brochure and Program schedule**  
**Inaugural Retreat of the Ostrom Center for the Advanced Study of Natural Resources Governance (OCeAN) at the Asian Institute of Technology**

June 14-16, 2016; AIT Conference Center and June 17-19, Chiang Mai University:

Throughout Asia, degradation of natural resources is happening at a higher rate and is a primary environmental concern throughout. Recent tragedies associated with climate change have clear foot prints on the deforestation, land degradation and water course changing. A significant proportion of land use conversion is undertaken through rural activities, where resource degradation and deforestation is often the result of overexploitation by users who make resource-use decisions based on a complex matrix of options and potential outcomes. Governments, NGOs, and academics have been searching for appropriate policy recommendations that will mitigate the trend of natural resource degradation. By promoting effective policy and building the capacity of key stakeholders, it is envisioned that sustainable development can be promoted at both the top-down and bottom-up perspectives. Capacity building in the field of natural resources management and poverty alleviation is then an urgent need and several policy alternatives have been suggested (Inoue and Shivakoti, 2015; Inoue and Isozaki, 2003; Webb and Shivakoti, 2008).

The importance of informed policy guidance in the sustainable governance and management of common pool resources (CPRs) in general has been recognized due to conflicting and competing demand and uses of these resources in the changing economic context in Asia (Balooni and Inoue, 2007; Nath, Inoue and Chakma 2005; Pulhin, Inoue and Enters 2007; Shivakoti and Ostrom, 2008; Viswanathan and Shivakoti 2008). This is because these resources are unique in their respect, management of these resources are public in partnership with state and local community but the benefits are at the individual and private level in a day-to-day basis. These issues get further complicated considering the inter-relationship among the related resources and CPRs as mediated by institutional arrangement and its implications for management of CPR in an integrated manner vis-a-vis poverty reduction. In the larger virtual environmental context, the benefits and costs have global implications. There are several modes of governance and management arrangement of these resources with partnership of private-public range. Several issues related to governance and management need to be addressed which can directly feed in the ongoing policy efforts of decentralization and poverty reduction measures in Asia. The central issues of importance that the OCeAN places its emphasis include the following:

- Means and ways to make economic growth prudent together with holding natural resources intact;
- Effects of decentralization of natural management rights on the resource conditions including the concerns of gender and social inclusion in the process;
- Assessment of the sustainability of efforts to improve the productive capacity of CPR systems in the context of current debate on the effects of climate change through initiative and implementation of new programs such as PES and REDD+;
- Integration of multiple methods of information gathering and analysis on CPRs in the national natural resource policy guidelines and the results used by local managers and users of CPRs, government agencies and scholars.
- Identification of effective polycentric policy approaches for governance and management of CPRs which are environmentally sustainable and balanced.

The Ostrom Center for the Advanced Study of Natural Resources Governance (OCeAN) has identified the following activities in order to explore these issues.

- (a) Organize book retreat to plan on documenting more field based location specific natural resources issues from rural Asia
- (b) Host senior scholars discussions on drafting advanced theoretical volumes on the issues related to governance and management of natural resources
- (c) Organize and support one to two weeks training annually at AIT for drafting high impact factor environmental and natural resources related journals and / or plan editing special issues of these journals for faculty and advanced doctoral students by inviting similar research center scholars from major global universities.
- (d) Organize Policy dialogue on “Improving Governance and management of Natural Resources” through collaboration among the high level decision-makers.
- (e) Organize Grants writing Workshops for submitting competitive proposals to the major funding organizations.

The inaugural retreat planned for June 14-16, 2016 in AIT Conference Center and follow-up related activity in Chiang Mai during June 17-19, 2016 in Chiang Mai University will focus on activities (a) in AIT retreat and (d) in Chiang Mai retreat. In AIT, The retreat will identify chapter contributors, volume editors for S and SE Asia as well as author for the seminal volume on issues related to resource governance. In addition, we will explore potential publishers and future support needs. These volumes will be dedicated to Nobel Laureate Elinor Ostrom. We will focus on two volumes in AIT:

**Retreat venue: B-206 AIT Conference Center**

June 14, 2016

9.00 -10.00

Inaugural session

Participants introduce each other.

AIT perspectives on Ostrom Center: Professor Worsak Nukulchai, President, AIT

School of Environment, Resources and Development and OCeAN: Professor Rajendra Shrestha, Dean

Two brief Video presentation on Lin Ostrom, Prachanda Pradhan

Overview of the Ostrom Retreat, Professor Ganesh Shivakoti

10.00 – 10.30 Coffee Break

10.30- 12.30:

Climate Change, Social Ecological System and the Agricultural and Natural Resources Adaptation: Theoretical issues and Governance Challenges

1. Institutional analysis of ground water governance in the Indus Basin – M. A. Kamran and Ganesh Shivakoti
2. The complexity of property rights reformation in the fishing resources governance in China – Chen Haiyun and Zhu Ting
3. A theory of exceptionalism: Rule-breaking and corruption over natural resources -- Jacob Phelps
4. Collapsed resources and distressed communities: The case for restoration of degraded village commons in Gujarat, Western India – P.K. Viswanathan

5. Bridging a gap between theories of collective action: reinitiating a discussion fifteen years later – Nicolas Faysse

12.30-1.30 Lunch break

1.30-3.30 Climate Change, Social Ecological System and the Agricultural and Natural Resources Adaptation in S and SE Asia: Governance Challenges  
6. Climate resilience through innovation: Crop-livestock systems in the Hindu Kush Himalayas, *Netra Chhetri*, School for the Future of Innovation in Society, Arizona State University  
7. Fairness in the commons: Questions from Nepal -- Atul Pokharal  
8. Governance challenges to implement participatory ground water irrigation in Lao PDR for climate-smart agriculture – Binaya R. Shivakoti, Paul Pavelic, Hiromasa Hamada, C. Clement and A. Keophoxy  
9. Mainstreaming climate change adaptation into development planning: A case study from Nepal – Shubechchha Sharma and Rupendra Ghale  
10. Ground water management challenges in Asian cities – Sangam Shrestha.

3.30-4.00 Coffee Break

4.00-5.30 Climate Change, Social Ecological System and the Agricultural and Natural Resources Adaptation in S Asia Governance Challenges  
11. Assessment of climatic adaptation in farmer-managed irrigation system in Trishuli sub-basin of Central Nepal – Buwan Thapa, C. Scott and P. Wester  
12. Land ownership and catastrophic risk management in agriculture: The case of Khyber Pakhtunkhwa Province of Pakistan – Raza Ullah and Ganesh Shivakoti  
13. Modeling the effect of climate change in wheat productivity in irrigated and rain-fed systems in the Punjab, Pakistan – Wajid Ishaque, F. Abbas and M. A. Kamran  
14. Thiha: Short presentation on ongoing research issues on REDD+ implementation mechanism and afforestation program for carbon credit

7.00 -9.00 pm: **Welcome Dinner at AIT Conference Center hosted by Dean Professor Rajendra Shrestha, School of Environment, Resources and Development, AIT**

June 15, 2016

8.30-10.00 Climate Change, Social Ecological System and the Agricultural and Natural Resources Adaptation in SE Asia: Governance Challenges  
15. Impact of payment for environmental service program on forest governance in Vietnam – Tran N. Thang and Hoang T.H. Que  
16. Explaining outcomes of the PFES policy at local levels: a comparative study of two central provinces of Vietnam – Ngo Tri Dung  
17. Mitigating climate change through sustainable degraded peatland management in Central Kalimantan, Indonesia – Arif Surahman, Ganesh Shivakoti and P. Soni

18. Local adaptive capacity and livelihood resilience to climate change: Case study from West Sumatra, Indonesia – Yuerlita, Yusmarni, Rika Hariance and Rudi Fabriamansyah.

10.00-10.30 Coffee Break

10.30-12.30 19. Factors influencing adoption of Good Agricultural Practices (GAP) by vegetable farmers in Thailand – Pheesphan Laosutsan, Ganesh Shivakoti and Peeyush Soni

20. Conservation Awareness and Participation of Community Living near Mangrove Forest Reserve, Malaysia : Ahmad Ainuddin Nuruddin, Awang Nor Abdul Ghani, Shazali Johari, Mohamad Iksanuddin Mohamad Tinggal and Siti Aishah Dahlan

21. Preferences and WTP for Irrigated Rice Ecosystem Services in Thailand. Damien Jourdain and Somsak

22. Roles and contribution of Acacia plantation forests to livelihood of local people – Case study in Thua Thien Hue Province, Vietnam -- Hoang T.H. Que and T. N. Thang

12.30-2.00 Lunch break

2.00-3.30 23. Changing natural resources governance in Myanmar – Edward L. Webb

24. Developing a framework for reducing gap between policies and public inferences in REDD+ in Asian countries – Shubhechcha Sharma and Ganesh Shivakoti

25. Post logging forest management in Southeast Asia: Indonesia, Philippines and Thailand – Yonariza

26. Strengthening management of commons for effective community level climate change adaptation: a capacity development need assessment of community forestry in Nepal – Lok Mani Spakota

3.30-4.00 Coffee break

4.00-5.30: We will explore possibilities of planning edited and (co)authored volumes on the issues related to governance and management of common pool resources in S and SE Asia.

Panel discussion: Effective Grants writing and networking among OCeAN network scholars for academic research. **Ted Webb** will lead discussion.

June 16, 2016

8.30-10.00 Continued discussion on Effective Grants writing and networking among OCeAN network scholars for academic research.

Planning special issue of International Journal of the Commons (IJC) related to natural resources governance (Science-society interface): This special issue will be dedicated to the principal authorship from Developing Countries as there is very less publications from these areas. Experience sharing from the Panel of Experts who have already published will be focus of discussion.

10.00-10.30 Coffee break

10.30-12.30

Panel session on future direction of Ostrom Center

**Panelists:**

Marty Anderies, Arizona State University, USA  
Ted Webb, National University of Singapore  
Jacob Phelps, Lancaster Environment Centre, UK  
Netra Chhetri, Arizona State University, USA  
Prachanda Pradhan, FMIST, Nepal

12.30-1.30 Lunch Break

**Afternoon: 2.00 pm Van leaves AIT Center for 4.30 pm flight from Don Mueang Airport by Nok Air to Chiang Mai, Participants check in Chiang Mai Grand View Hotel**

**June 16 early evening: Participants arrive and check in Chiang Mai Grand View Hotel and visit nearby Maya Shopping Center in the evening for dinner.**

**June 17, 2016:**

**8.30: Van leaves from Hotel**

**Venue: Department of Agriculture, Economy and Development Seminar Room No. 459, Chiang Mai University**

**9.00 --9.30**

Participants introduce each other

Prof Dr. Pongsak Angakasith: Sustainable Development for Highland agriculture and Natural Resources Management in SE Asia

Dr. Poon Thiengburanatham: Welcome message on behalf of CMU

Prof Marty Anderies: CNH Project background and collaboration with CMU in Thailand

Prof Ganesh Shivakoti: Program overview

Dr. Juthathip Chalermphol: Vote of Thanks

9.30-10.00: Coffee break

10.00-12.00: **Community Research on Climate Change Adaptation in Asia**

1. Adaptation to climate change in rain-fed farming in semi-hills of Punajb, Pakistan – K. Bakhsh, M. A. Kamran and M.S. Hashmi
2. Strengthening governance for REDD+ and coping strategies for water scarcity problems in Nepal: A synergistic approach to mitigation and adaptation to local level – Binaya R. Shivakoti, Federico Lopez-Casero, Timothy Cadman and Tek N. Maraseni

3. Community irrigation and enterprise performance on strategic alliance and collaborative cost reduction: empirical evidence from Thailand's Chiang Mai Province – Saowalak Kosanlawit, Ganesh Shivakoit and P. Soni
4. Collaborative water governance in Thailand: Evidences from Ping River Basin Management policy implementation – Sukit Kanjina
5. Prachanda Pradhan: Preliminary Findings from a Field Study on “Increasing the Resilience of Small and Medium Irrigation Systems in Nepal”.

12.00 – 1.30 Lunch Break

13.30 – 5.00

- A. ASU, AIT, IWMI-Nepal CMU and Universad de los Andes have collaborated on an NSF research project to understand Social Ecological System dynamics, livelihood adjustment plans and adaptation measures of Farmers in the Farmer Managed Irrigation Systems of Chiang Mai valley in the context of climate change.
- B. But before we start our presentation and discussion, we will hear from Dr. Poon Thiengburanathun on ongoing research and collaborative activities of two important Research Center of Excellence in Chiang Mai University. These Center are “*Sustainable Development for Highland Agriculture and Natural Resources Management*” and “*Climate Change and Infrastructure Research Laboratory.*”
- C. We conducted field study of 30 community irrigation systems in Chaing Mai during 2013. The results are now analyzed and we would like to present the findings back to the policy stakeholders and farmer game players. Similar games were played in Nepal, China and Columbia; and we would like to posit the Chiang Mai community managed irrigation systems on a comparative perspective and the lessons that can be learned from each other. The purpose of the policy brief Workshop is:
  - (1) To present findings of field results of Game played with the community members of 30 irrigation systems in Chiang Mai valley. – Juthathip Chalermphol and Nathitakan Pinthukas.
  - (2) To discuss the system level adaptation analysis on socio-economic and participation in related community irrigation systems in Nepal based on the system level information analyzed “Trust and cooperation in managing small-scale irrigation systems of Nepal” Ram C. Bastakoti, Ganesh Shivakoti, Manita Ale and Pradip Sharma.
  - (3) To present social ecological system related dynamics of farmer managed irrigation systems of Chaing Mai valley in its comparative perspectives with Nepal, China and Columbia – Marty Anderies, Ganesh Shivakoti, Ram C. Bastakoti and Juthathip Chalermphol.
  - (4) To present policy briefs (both in English and Thai language) to the stakeholders involved in farmer managed irrigation intervention: Marty Anderies (English) and Juthathip Chalermphol (Thai).

5.30 pm: Back to Hotel

**7.00 pm: Friday Night Bazar and dinner self organized.**

### **June 18, 2016**

**8.30 AM Van leaves Hotel for the Irrigation system visit and interaction with farmers and regional policy persons**

**9.00-12.00**

Field visit in the **Huay Joe community irrigation system area in Sansai District of Chaing Mai** and will be a dialogue forum between the workshop participants and the representatives of community irrigation group members to bring back relevant information from field research to the farmers and system level managers.

**12.00-1.30**: Lunch with the farmers and Irrigation officials

**1.30-4.30**:

Field visit including farm and home visit of participant farmers, discussion about market link and production adaptation in the context of climate change and market pressure, visit Community Irrigation Enterprise (CIE) Center and learn about farm input and product marketing mechanism.

5.00 pm Back to Hotel

6.30 pm **Participants will enjoy walking street bazaar and dinner self organized.**

### **June 19, 2016**

**9.00- 12.00 Venue: Chiang Mai Grandview Hotel meeting room:** We are also planning morning session on planning special issue of Ecological Economics in which there will be selected papers based on the NSF research project and additional possible papers will be discussed for consideration from among the presentation both at AIT and Chaing Mai.

**Afternoon free time for individual networking and late afternoon Fly Back to Bangkok and AIT Conference Center check in.**