

Objectives of the Meeting

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Objectives of the Meeting

- Increased participation of Burma in the regional South Asia/Southeast Asia Research Initiative (SARI) on Land Use Science
- Understand the regional priorities for Land Use Science
- Seek out opportunities for research collaboration
- Understand which EO data are freely available and how to get hold of them
- Share knowledge and experience in the use of Earth Observations to study Land Cover and Land Use Change
- Share experience on effective Land Management practices (particularly within the Region)
- Strengthen international scientific cooperation on Land Use issues within the region and globally

Why Land Use

- Land Use is integral to the sustainable development and livelihood of the countries of the region e.g.
 - Critical to national food security
 - Critical to good resource management
 - Critical to viable conservation
 - Critical to the distribution of wealth
 - Critical to the culture of the majority of the people
- Land Use Science (monitoring, modeling and analysis) to inform Land Use Policy e.g.
 - To manage natural resources to benefit the nation
 - To promote sustainable livelihoods
 - To protect environmental quality (land, air and water)
- Land Use Change contributes to and is impacted by Climate Change

Example Land Use Questions

- How and where are Land Cover and Land Use Changing?
- What is driving Land Use Change?
 - Land Tenure - who owns and who manages the land?
 - Economic Development
 - Urban Growth
 - Global Markets e.g. rubber and oil palm
 - Population growth and dynamics
 - Land speculation
 - Subsistence issues (e.g. slash and burn agriculture)
 - Land use policies
- What are the impacts of Land Use Change
 - carbon cycle, water resources, livelihoods, biodiversity

Example Land Use Questions

- Are current land use practices sustainable?
 - Forests
 - Agriculture
- Are biodiversity and habitats adequately protected?
- How are extreme climate events impacting Land Use
- Land Productivity – is the potential being realized?
- Land use policies – how to make them effective?
- How will land use change in the foreseeable future?

Some Earth Observation Questions

- Which satellite data are easily available for my study area?
 - Which data are best for my application?
- How do I get hold of them?
 - How can I get microwave data as my study area is often cloudy
 - How do I interpret the metadata?
- Are there ‘best practices’ for processing and analysis and accuracy assessment?
- Are there consistent long-term satellite data records to monitor change?
 - How do I use them to study land cover change?

How we have organized the meeting

- Wednesday
 - Session-I. Welcome and Introduction
 - Session-II. Regional Program Overviews.
 - Session–III. Agriculture and LCLUC.
 - Session – IV. Posters.
 - Welcome Reception

How we have organized the meeting

- Thursday
 - Session V. LCLUC and Urban areas.
 - Session VI. Panel Discussion – NGO's Perspective on the Needs, Priorities and Challenges of Environmental Research in Myanmar.
 - Informal Visit to the City
- Friday
 - Session VII. Big data, Forests and LCLUC
 - Session VII. Land Atmospheric Interactions including Fires
 - Session VIII. Regional perspectives on SARI and priorities

Meeting Outcomes

- Presentations will be posted on the SARI web site
- Summary Report (*The Earth Observer*) – will be available on the SARI web site
- Journal Special Edition – papers will be solicited

Hopefully

- *Active bilateral collaborations within the region and globally*
- *Greater involvement of Burma in the South/Southeast Asia Regional Initiative on Land Cover and Land Use Change*

This meeting provides a unique opportunity

- Please take advantage of it
- Introduce yourself to other attendees
- Ask questions of speakers
- Exchange ideas and information
- Share what you learn with your colleagues

Meeting Organizer

Local Host



Thanks To Our Various Sponsors



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making this meeting happen





Thank You