

**Activities in line with the Strategy
Paper for Future Direction of Soil
and Vegetation Monitoring of
EANET**

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The Strategy Paper

- **Strategy paper for future direction of soil and vegetation monitoring in East Asia was endorsed by the Second Session of Scientific Advisory Committee (SAC2).**
- **Objectives and issues to be implemented were clarified in the Strategy Paper.**
- **Activities in line with the strategy paper are promoted by Task Force on Soil and Vegetation Monitoring on EANET.**

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Milestones

1. Joint workshop by ICP Forests and EANET: 2002
2. Implementation of the next monitoring: 2002-2005
Clarification of sampling plan/ schedule for soil and forest monitoring
3. Start of case studies in reference catchments: 2006
4. Preparation of sub-manual on forest monitoring: 2005

Based on discussion of the Joint Workshop, the sub-manual would be developed.

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Workshop on Elaboration and Development of Forest Monitoring in East Asia-1 Joint Workshop by ICP Forests and EANET



Workshop on Elaboration and Development of Forest Monitoring in East Asia-2

- **Three Co-Chairpersons: Mr. Thomas Haussmann (ICP Forests), Dr. Muhamad Awang (UPM) , and Dr. Tsumugu Totsuka (ADORC)**



Workshop on Elaboration and Development of Forest Monitoring in East Asia-3



Workshop on Elaboration and Development of Forest Monitoring in East Asia-4



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Workshop on Elaboration and Development of Forest Monitoring in East Asia-5

- **Field trip to Pasoh Forest Reserve**



Clarification of sampling plan/schedule for soil and vegetation monitoring-1

- For implementation of the next monitoring in the respective monitoring sites, **detailed next sampling plan/schedule should be clarified.**
- Network Center (NC) drafted a document, **"Sampling Plan/Schedule for Soil and Vegetation Monitoring of EANET 2003-2007"** based on the National Monitoring Plans and the latest information.
- The document was updated based on the check by National Centers (EANET/STM 4/8/2/Annex 1).

Clarification of sampling plan/schedule for soil and vegetation monitoring-2

- **2003 : seven sites**, namely Chongqing (China, S), Xiamen (China), Xi'an (China), Zhuhai (China), Mt. Makiling (Philippines), Vachiralongkorn Dam (Thailand) and Vachralongkorn Puyea (Thailand)
- **2004: nine sites**, namely Pasoh Reserve Forest (Malaysia, S), Sungai Lalang Reserve Forest (Malaysia, S), Bogdkhan Mountain (Mongolia), UP Quezon (Philippines), Irkutsk (Russia, F), Mondy Solar Observatory (Russia, F), Primorskaya (Russia, S), *Cave of Heaven (Vietnam), and Thang Ranh (Vietnam)*

Clarification of sampling plan/schedule for soil and vegetation monitoring-3

- **2005: two site**, Pereyomnaya river catchment (Russia) and Primorskaya (Russia, F)
- **2006: six sites**, namely two sites around Lake Ijira (Japan), two sites around Lake Banryu (Japan), Vachiralongkorn Dam (Thailand) and Vachralongkorn Puyea (Thailand)
- **NC is still waiting for information from the National Centers** for updating of the document.

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Discussion on sub-manual for forest monitoring in East Asia-1

Based on discussion in the Joint Workshop, the following technical subjects were clarified:

<Specific subjects>

- **Visible assessment of crown condition (especially for tropical region)**
- **Plant sensitivities to acid deposition**
- **Chemical analysis of needles and leaves**

<General subjects>

- **Sub-regional approach for the monitoring**
- **Quality assurance in collaboration with the other networks**

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Discussion on sub-manual for forest monitoring in East Asia-2

- NC drafted "Procedures and schedule for preparing sub-manual on forest monitoring in East Asia (Draft) (EANET/STM 4/8/2/Annex 3)" considering the technical subjects above.
- The document was revised based on suggestions/comments by Task Force Members and National Focal Points; "Procedures and schedule for preparing sub-manual on forest monitoring in East Asia (Revised draft)(EANET/SAC 3/8/2/Annex 3)".

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Discussion on sub-manual for forest monitoring in East Asia-3

Expected Procedures and schedule

- Revised Procedures: November 2003
- Contents and authors: March 2004
- Writing manuscripts: March - December 2004
- Editing and reviewing: January – October 2005
(International workshop for reviewing the draft: spring or summer 2005)
- Adoption in SAC5 is expected: November 2005

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Discussion on sub-manual for forest monitoring in East Asia-4

Possible contents of the sub-manual-1

1. Introduction
2. Additional methods for "survey of tree decline" on basic survey
 - Visual assessment of crown condition in temperate/sub-arctic zone
 - Visual assessment of crown condition in (sub-) tropical zone

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Discussion on sub-manual for forest monitoring in East Asia-5

Possible contents of the sub-manual-2

3. Optional items for basic survey
 - Photographic assessment for crown condition
 - Estimation of concentration of gaseous pollutants in forest areas
 - Chemical analysis of needles and leaves
4. Information on research methodologies for plant sensitivities
5. Quality assurance/quality control on forest monitoring

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