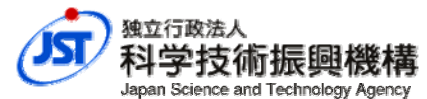




Sustainable forestry for water resources management and flood mitigation in mountainous regions

July 28, 2007
Noyori Conference Hall, Nagoya University
Nagoya, JAPAN



Scope

There is a growing debate concerning the effects of forest practices on water resources management and flood mitigation in forested regions around the world. Most of these arguments on forestry-water resources management center around either natural and social/economic sciences. For instance, occurrence of overland flow and soil surface erosion in monoculture Japanese cypress (Hinoki, *Chamecyparis obtusa*) forests has been noted and is believed to be a serious problem (e.g., sediment transport). Many of the existing Japanese cypress plantations were established in the 1960's during a period of rapid economic expansion with high demands for timber and pulpwood. Thereafter, as the Japanese forest industry declined due to international competition and purchase of cheap timber from developing nations in Asia, overstocked stands of Japanese cypress were abandoned. Dense understory vegetation failed to develop because of low light conditions under the dense monoculture canopies. Therefore, variable amounts of mineral soil are typically exposed. Under such soil surface conditions, splash erosion and soil surface sealing or crusting may occur, thus reducing the infiltration capacity of the soil.

This symposium will promote dimensions of discussions of both science and management related to forested watersheds, particularly focusing on water resources and flood mitigation. Various aspects of runoff generation with respect to forest stand conditions, ground cover, and forest management will be presented and discussed. Forest management guidelines, policy making, and land management practices related to forestry and water resources management will also be discussed in the symposium.

Organizers

JST/CREST "Field and modeling studies on the effect of forest devastation on flooding and environmental issue"

JSPS "Blue revolution and water governance"

Schedule

Date: July 28 (Saturday), 2007 (Japan standard time, GMT +9:00)

Location: Noyori Conference Hall, Nagoya University (<http://www.rcms.nagoya-u.ac.jp/Intro/>)

9:00-9:30	Opening
9:30-12:30	Session 1: Runoff generation and sediment transport
12:30-14:30	Lunch, Poster session
14:30-17:30	Session 2: Watershed management and policy
18:00-	Reception



Invited speakers

Session 1: Runoff Generation and Sediment Transport

Jim Buttle (Trent University, Ontario, Canada)

Professor Buttle has a long history of research on hydrological response and water chemistry. He has many experiences in forest and watershed management in Canada and throughout the world.

Homepage: <http://www.trentu.ca/academic/geography/JMButtle/>

Charles Luce (USDA Forest Service, Boise Colorado, USA)

Dr. Luce has been working on scaling issues of hydrologic and geomorphic processes with particular emphasis on forest management and land use changes.

Homepage: <http://www.fs.fed.us/rm/boise/research/watershed/bio/luce.shtml>

Roy C. Sidle (Disaster Prevention Research Institute, Kyoto University, Japan)

Professor Sidle has been working on hydrological processes and sediment transport focused on forest management practices and land use changes.

Homepage: <http://www.scs.dpri.kyoto-u.ac.jp/users/sidle/sidlewebpage/newpage.htm>

Session 2: Watershed Management and Policy

Ge Sun (USDA Forest Service, North Carolina, USA)

Dr. Sun has been working on effects of land management and forestry best management practices on soil erosion and sediment transport.

Homepage: <http://www.srs.fs.usda.gov/staff/229>

Ian R. Calder (Newcastle University, UK)

Professor Calder has been working on land and water management issues in India, South Africa, Costa Rica, Tanzania, Grenada, and Panama funded by DFID and the World Bank.

Homepage: <http://www.ncl.ac.uk/environment/people/profile.htm/i.r.calder>

Koichiro Kuraji (University Forest in Aichi, University of Tokyo, Japan)

Dr. Kuraji has been working on hydrological processes, water resources management, conflict analysis, and policy issues in Japan and Southeast Asia.

Homepage: <http://forester.uf.a.u-tokyo.ac.jp/~kuraji/>

Registration

For participants of symposium, pre-registration and fee is not required (It's FREE).

Poster Session

Poster session will be held from 12:30 to 14:30. Participants who want present a poster during the symposium; please fill Registration Form and send it to the contact address until **July 7, 2007**. Posters can be prepared either in Japanese or English (English is preferred). Poster size should be within A0 size (841 mm in width and 1189 mm in length).

Reception

A reception with a light meal and drinks will be held after the symposium. Persons, who wish to join this 'mixer', please send Registration Form until **July 7, 2007**.

Field excursion (July 29, 2007)

Field excursion to University Forest in Aichi (For detailed information of University Forest in Aichi: <http://www.uf.a.u-tokyo.ac.jp/aichi/>) will be arranged on July 29, 2007. Person, who wish to join this field excursion, please fill the registration form and send the information to the contact address until **July 7, 2007**. Detail information (e.g., time and location to meet) for field excursion will be provided later.

Note: We do not arrange accommodation and transportation for the participants and poster presenters.

Chairs of the organizers

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University Forest in Aichi

University of Tokyo

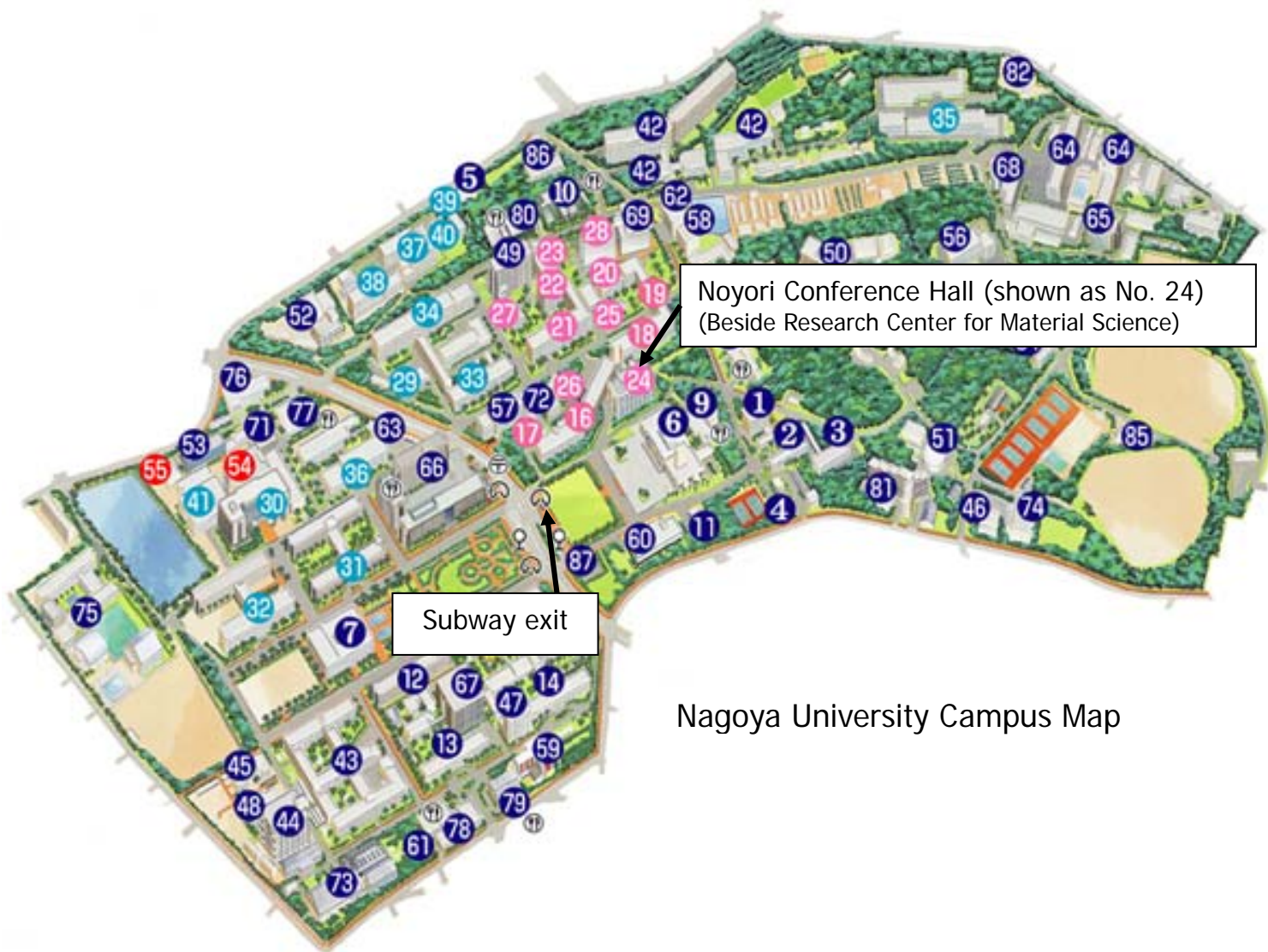
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Accesses to the Noyori Conference Hall

From Nagoya Railway Station : 20 min. by subway Higashiyama Line to Motoyama Station, then transfer to Meijo Line to Nagoya Daigaku Station.

From Centrair (Central Japan International Airport) : 50-60 min. by Meitetsu Line to Nagoya Station or Kanavama Station then transfer to subway



Registration form
Poster Presentation, Reception, and Field excursion

You can also send the following information to the contact address by **E-MAIL**.

Due: July 7, 2007, to present the poster session and join reception and/or field excursion.

Contact address

**Submission for Poster presentation, Reception, and
Field excursion**

Yoshie Hiratate

E-mail: hiratate@geoenv.tsukuba.ac.jp

TEL 029-853-7192 TEL/FAX 029-853-4226

Registration

Poster presentation, reception, and field excursion

Name:

Affiliation:

E-mail:

Phone:

FAX:

1. Poster Presentation

(Yes No)

(If yes, please provide following information)

Title of poster presentation:

List of Author(s) and Affiliation(s):

2. Reception

(Yes No)

3. Field Excursion (University Forest in Aichi, July 29, 2007)

(Yes No)