

Program and abstract for

International seminar on “**Regeneration and dynamics of mixed conifer broad-leaved forests in East Asia after Natural and Man-made disturbances**”

sponsored by the CTC project of Germany, JSPS - MEXT Japan and FESAU-Russia.

The schedule is as follows;

Date: October 12 and 13<sup>th</sup>, 2006

Place: Far East State Agriculture University (FESAU), Blagoveshchensk, Amur State, Russia

Time: Keynote each 25min. including 5min questions

Oral Presentation each 12 including 3min questions

## **12<sup>th</sup> schedule**

10:00~10:20

### **Opening:**

Chair person- Prof. Koike Takayoshi. (Hokkaido Univ.) and Dr. Nemylostiv Yury (FESAU)

10:20 ~ 10:40

### **Welcome address by FESAU**

Prof. Dr. Pavel Tikhonchuk (FESAU)

10:40 ~ 11:00

### **Objectives of the seminar**

by Prof. Ryusuke Hatano (CTC-project leaders)

## **Session 1: Regeneration and Stand dynamics**

11:00 ~ 11:30

### **Key note lecture**

#### **1. Analysing and Modelling Forest Stand Dynamics. A European perspective**

. by Prof. Hans Pretzsch (TUM, Germany)

11:30 ~ 11:45

Oral presentation

#### **2. Forest structure and biodiversity after disturbance in Far East Russia**

by Dr. Olga Zyryanova (V.N. Sukachev Inst. Forest, RAS) and Prof. Victor Yabarov (FESAU)

11:45 ~ 12:00

#### **3. Regeneration of mixed conifer-broadleaf forest in Far East Russia after forest fires**

by Mr. Makoto Kobayashi (Hokkaido Univ.), Dr. Nemylostiv Yury (FESAU), Dr. Takuya Kajimoto, Dr. Yojiro Matsuura (FFPRI) Fuyuki, Kaichiro Satoh and T. Koike (Hokkaido Univ.)

12:00 ~ 12:15

**4. Remote sensing of forest fire and vegetation recovery in a Siberian larch forest.**

by Dr. Keiji Kushida (LTS, Hokkaido Univ.), Dr. Alexander P. Isaev (Yakut Inst. Boil.), Gen Takao (FFPRI), Dr. Trofim Ch. Maximov (Yakut Inst. Boil.) and Prof. M. Fukuda (LTS, Hokkaido Univ.)

12:20 ~ 13:15

**Lunch Time**

**Session 2: Nutrient cycling and soil characteristics**

**Chaired by Prof. R. Hatano**

13:15 ~ 13:45

**Keynote lecture**

**4. Biomass and nutrients of Korean pine seedlings invading oak and pine stands in Korea**

by Prof. Yowhan Son (Korea Univ.)

13:45 ~ 13:55

Oral presentation

**5. Nutrient dynamics of boreal and temperate forests mixed conifer broad-leaved forests**

by Prof. Fuyuki Satoh and Prof. K. Sasa (Hokkaido Univ.)

14:00~

**A half day field discussion to the Botanical garden of the university (FESAU).**

**13<sup>th</sup> schedule**

Chaired by Prof. F. Satoh

Keynote lecture

9:30~10:00

**6. Characteristics of the burozem formation in ancient-alluvial adjournment in the Zeysko-Byreinskaya soil province.**

by Prof. Prokopchuk V.F. (FESAU)

Oral presentation

10:00~10:15

**7. Effects of soil properties on Korean pine seedlings for mixed oak stands in central Korea.**

by Prof. Myong-Jong Yi (Kangwong Nat. Univ.)

10:15~10:30

**8. The characteristics of the soil organic matters in the mixed conifer-broadleaf forest in the Zeysko-Byreinskaya soil province.**

by Mr. Bruanin Semyon.V. (FESAU) and Prof. Prokopchuk V. F. (FESAU)

10:30 ~ 10:45

**9. Vegetation effects on the soil characters of the mixed conifer-broadleaf forest in the Zeysko-Byreinskaya soil province.**

by Mr. Naumenko Alexander V. (FESAU) and Prof. Prokopchuk V.F. (FESAU)

**Session 3: Matter stock and flow**

11:00 ~ 11:30

**Keynote lecture**

Chaired by Prof. Y. Son

**9. Effect of atmospheric nitrogen deposition on the budgets of greenhouse gases in semi-boreal forest ecosystems in Hokkaido, northern Japan**

by Prof. R. Hatano (Hokkaido Univ.)

11:30 ~ 11:45

Oral presentation

**10. Wood resources and problems for their appropriate use in the Amur region.**

by Dr. Rejmer V.V. and Dr. Nemilostiv Y.P. (FESAU)

11:45 ~ 12:00

**11. Recycling of sawdust to moderate environmental stresses -An example of forest products utilization-** by. Prof. Minru Terazawa (Hokkaido Univ.)

12:00 ~ 13:00

**Lunch Time**

13:00 ~ 14 : 00

**Poster Session**

by Prof. M. Terazawa, T. Koike and Nemylostiv Yuri

**Session 4: Biodiversity conservation**

Chaired by Dr. T. Koike

14:00 ~ 14:30

**Keynote lecture**

**12. Politics of the wild life management in forest ecosystems in Germany**

by Dr. Markus Schaller (TUM)

14:30 ~ 14:45

Oral presentation

**13. The survey of the structure and distribution of crane roosting sites in Murviovka Park: perspective for sustainable land use.**

by Ms. Nosochenko V. Galina (FESAU) and Dr. Smirenski, Sergei M.

14:45 ~ 15:00

**14. Ecological and economical use of the sable (*Martes zibellina*) in the Amur region**

by Dr. Senchik, V. Alexander and Prof. Stepanov N.V. (FESAU)

15:00 ~ 15:30

### **Closing Remarks**

by Prof. R. Hatano (Hokkaido Univ.)

## **Titles of Poster session**

### **1. The characteristics of the food stock by the Siberian deer (*Capreolus ygargus* Pal) in the Amur region.**

by Dr. Senchik A.V. (FESAU)

### **2. Dynamics of nitrogen in leaves of deciduous broad-leaved trees grown in unmanaged plantations in northern Japan**

by Prof. Koike, T., Dr. Kitaoka, Dr. O. V. Masyagina, Dr. S. Watanabe, Y., Mr. Ji, D. H. and Prof. Sasa, K. (Hokkaido Univ. Forests)

### **3. Changes in photosynthetic characteristics of alder and birch grown in a Free Air CO<sub>2</sub> Enrichment system in northern Japan**

by Mr. Eguchi, N<sup>1)</sup>, Dr. K.Takagi<sup>2)</sup>, Prof. T.Hiura<sup>2)</sup>, Dr. R. Funada<sup>3)</sup>, Prof. K Sasa<sup>2)</sup> and Prof. T. Koike<sup>1)</sup> (1Graduate School of Agr, Hokkaido Univ.: <sup>2</sup> Hokkaido Univ. Forests: <sup>3</sup> Faculty of Agriculture, Tokyo Univ Agri & Tech, Fuchu-Tokyo, Japan)

### **4. Effect of elevated carbon dioxide concentration on wood structure of hardwoods growing in Free Air CO<sub>2</sub> Enrichment (FACE) system**

by : Dr. Y. Watanabe<sup>1</sup>, Mr. N. Eguchi<sup>2</sup>, Prof. Sasa<sup>1</sup>, Dr. R Funada<sup>3</sup> and Prof. T. Koike<sup>2</sup>

<sup>1</sup> Hokkaido University Forests, <sup>2</sup>Graduate School of Agriculture, Hokkaido Univ., <sup>3</sup>Faculty of Agriculture, Tokyo Univ. of Agri. & Tech.

### **5. Fine root demography in a cool-temperate deciduous forest in Japan**

by Dr. Satomura, T.(Hokkaido Univ. Forests), Yasushi Hashimoto<sup>3</sup>(Obihiro Univ. of Agri.& Veterinary Med.), Hiroshi Koizumi<sup>4</sup>, Kaneyuki Nakane<sup>1</sup>, Takao Horikoshi<sup>5</sup>(Hirosima Univ.)

### **6. Dry Toilet systems using Sawdust as artificial soil matrix and their usefulness for preservation of water environment**

by Prof. M. Terazawa (Hokkaido Univ.)

### **7. Effects of clear-cutting on nitrogen leaching and fine root dynamics in northern Japan**

by Mr. Fukuzawa, K<sup>1</sup>, Dr. H. Shibata<sup>2</sup>, Dr. K.Takagi<sup>2</sup>, Dr. M. Nomura<sup>2</sup>, Prof. F. Satoh<sup>2</sup> and Prof. K. Sasa<sup>2</sup>, <sup>1</sup> Graduate School of Agriculture, Hokkaido Univ., <sup>2</sup>: Hokkaido University Forests