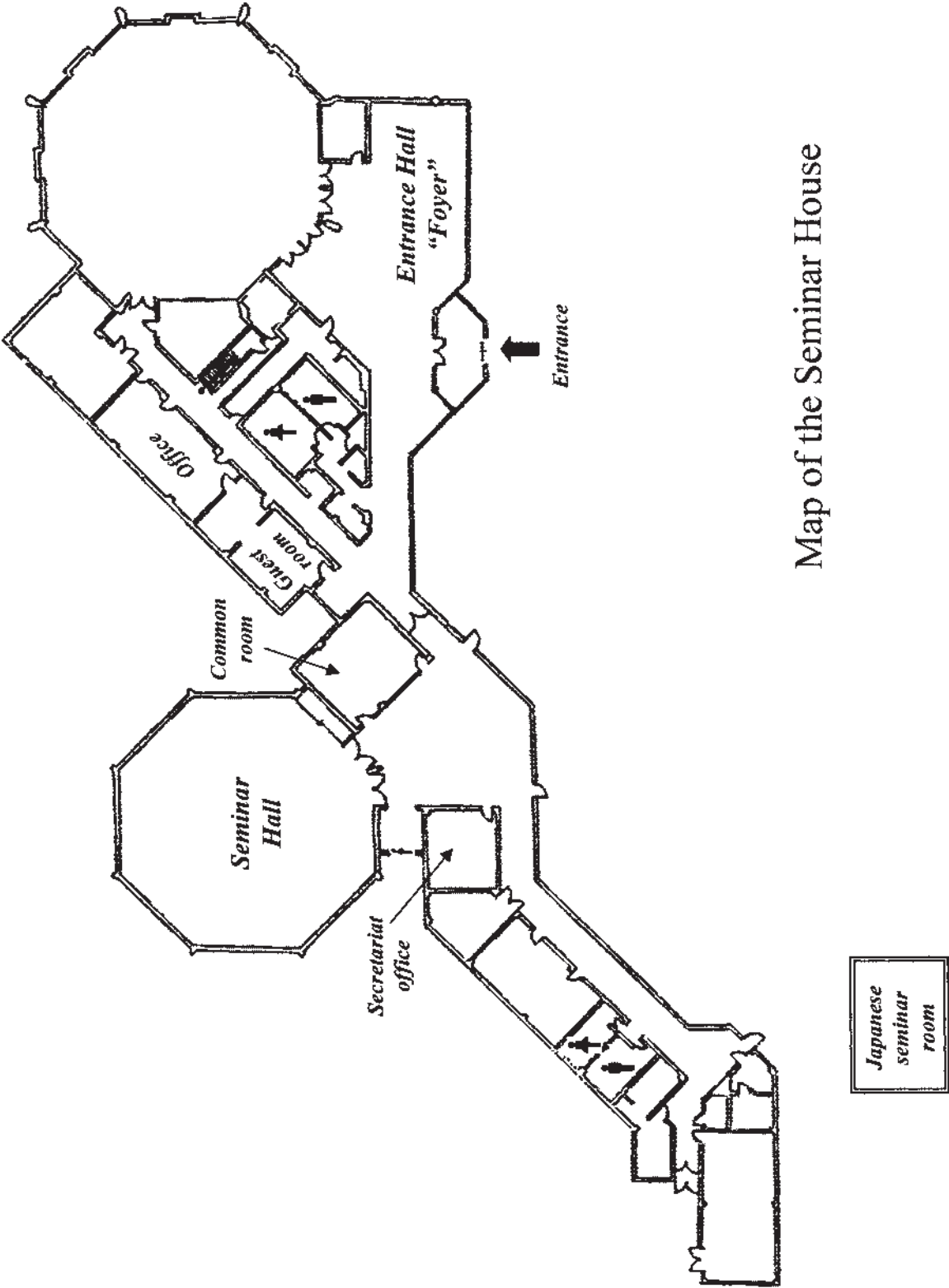


# **Program**

Overall schedule of the 8th IUFRO Beech Symposium

Date	Time																		
	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
Sep.7 (Sun)	Registration (Prince Hotel)																		
Sep.8 (Mon)	Registration (Seminar House)			Opening (Seminar House)			Excursion to Kuromatsunai											Welcome Party (Prince Hotel)	
Sep.9 (Tue)	Oral session			Oral session			Lunch*			Oral session			Poster session 1			Optional city tour can be planned on request (Night view from Mt.Hakodate & Beer restaurant)			
Sep.10 (Wed)	Oral session			Oral session			Lunch*			Oral session			Poster session 2						
Sep.11 (Thu)	Oral session			Oral session			Oral session			Oral session			Closing						
Sep.12 (Fri)	6:00 Departure Overnight Excursion to Aomori (Stay at Hirosaki Kokusai Hotel)																		
Sep.13 (Sat)	7:30 Departure			Excursion to Aomori (continued) 15:00 Arrival at Hirosaki railway station 16:00 Arrival at Aomori airport														Dinner	

\* Lunch: Participation fee does NOT include lunches during the technical sessions (Sep. 9 - 11).  
Lunch box will be available by ordering at the reception desk in advance.  
There is no restaurant in the Onuma seminar house and its vicinity.



Map of the Seminar House

## Program

### September 7 (Sun.)

15:00 - 19:00	<b>Registration</b>	(Reception floor, Prince Hotel)
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### September 8 (Mon.)

7:30 - 9:00	<b>Registration</b>	(Onuma Seminar House)
9:00	<b>Opening session</b>	(Seminar Hall, Onuma Seminar House)
	Opening remarks	
	Palle Madsen (Coordinator, IUFRO WP 1.01.07)	
	Mitsuru Takafuji (Director General, Hokkaido Forestry Research Institute)	
	Khosro Sagheb-Talebi (Deputy Coordinator, IUFRO WP 1.01.07)	
	Introduction of the overall schedule and the excursion to Kuromatsunai	
	Kazuhiko Terazawa (Deputy Coordinator, IUFRO WP 1.01.07)	
10:00	<b>Excursion to Kuromatsunai</b>	
10:00	Departure	(Parking lot, Onuma Seminar House)
12:00	Lunch	("Shizen-no-ie", Kuromatsunai town)
13:00 - 16:30	"Utasai" Beech Forest Reserve	
	Hitoshi Saito (Kuromatsunai Beech Tree Museum)	
	"Soibetsu" secondary beech forest	
	Onno Muller (Hokkaido University)	
	Masahiro Nakamura (Hokkaido University)	
18:30	Arrival	(Prince Hotel, Onuma Seminar House, and JR Onuma-Kouen station)
19:30 - 21:30	<b>Welcome Party</b>	(Prince Hotel, 3F)
	Welcoming speech	
	Tohru Nakashizuka (IUFRO General Board Member, Tohoku University)	

## September 9 (Tue.)

### Technical session

<p>Session 1: Dynamism of beech populations: a broader perspective  Moderator: Koen Kramer (<i>Alterra, NETHERLANDS</i>)</p>			
1	9:00	<u>Richard Bradshaw</u> Shinya Sugita Norio Kito	<b>KEYNOTE</b> The Holocene history of <i>Fagus</i>
2	9:30	<u>Giovanni G. Vendramin</u> Donatella Magri Rémy J. Petit F. Sebastiani Nobuhiro Tomaru	<b>KEYNOTE</b> Historical and contemporary factors shaping genetic variation in <i>Fagus</i> : an overview
3	10:00	<u>Robert Brus</u>	Growing evidence for local post-glacial development of European beech populations in the southeastern Alps
10:20 - 10:40		Coffee Break	
<p>Session 2: Genetic diversity (1) : geographical scale  Moderator: Sylvie Oddou-Muratorio (<i>INRA, FRANCE</i>)</p>			
4	10:40	<u>Georg von Wuehlisch</u> Jon K. Hansen Patrick Mertens Mirko Liesebach Elsa Meierjohann Hans-J. Muhs Eric Teissier du Cros Sven de Vries	Variation among <i>Fagus sylvatica</i> and <i>Fagus orientalis</i> provenances in young international field trials
5	CANCELLED	<u>Mladen Ivankovic</u> Sasa Bogdan Tibor Littvay	Genetic variation of flushing and winter leaf retention in European beech provenance test in Croatia
6	11:00	Parvin Salehi Shanjani <u>Giovanni G. Vendramin</u> Mohsen Calagari	Assessment of genetic structure within and among Iranian populations of beech ( <i>Fagus orientalis</i> Lipsky): Implications for in situ gene conservation
7	11:20	<u>Nobuhiro Tomaru</u> Koichi Hiraoka Makoto Takahashi Yoshihiko Tsumura Yukiko Torii Tomomi Mitsutsuji Kihachiro Ohba	Geographical trends in genetic diversity within and among populations of Japanese beech species, <i>Fagus crenata</i> and <i>F. japonica</i>
8	11:40	<u>Makoto Takahashi</u> Masatoshi Hara Noriyuki Fujii Yoshihisa Suyama Atsushi Watanabe Eitaro Fukatsu Nobuhiro Tomaru	Phylogeography of <i>Fagus crenata</i> revealed by chloroplast SNPs

**September 9 (Tue.)**

12:00 - 13:10	Lunch	
<p>Session 3: Genetic diversity (2) : landscape/stand scale          Moderator: Georg von Wuehlich  <i>(Institute for Forest Genetics, GERMANY)</i></p>		
9	13:10	<p>Aurore Bontemps          Etienne K. Klein          Igor Chybicki          Giovanni G. Ventramin  <u>Sylvie Oddou-Muratorio</u></p> <p>Comparison of direct and indirect genetic methods for estimating seed and pollen dispersal in old-grown and expanding populations of <i>Fagus sylvatica</i></p>
10	13:30	<p><u>Yoshihisa Suyama</u></p> <p>Gene flow, genetic structure and conservation genetics of <i>Fagus crenata</i></p>
11	13:50	<p><u>Keiko Kitamura</u>          Makoto Kobayashi          Jiro Kodani          Yutaka Yada</p> <p>Genetic variations in seeds of small, isolated beech populations in the Noto Peninsula</p>
12	14:10	<p>Guo Ke  <u>Marinus J.A. Werger</u>          Liu Changcheng</p> <p>Effect of prevailing monsoons on the distribution of beeches in continental East Asia</p>
14:30 - 15:00	Coffee Break	
15:00	POSTER SESSION 1	15 posters ( <i>Entrance Hall "Foyer"</i> )
18:00	Close	

## September 10 (Wed.)

### Technical session

<p>Session 4: Regeneration processes (1): landscape/stand scale                  Moderator: Norocel-Valeriu Nicolescu                  (University "Transilvania" of Brasov, ROMANIA)</p>			
13	9:00	<p><u>Sven Wagner</u>                      Catherine Collet                      Palle Madsen                      Tohru Nakashizuka                      Ralph D. Nyland                      Khosro Sagheb-Talebi</p>	<p><b>KEYNOTE</b>                      Beech regeneration research: ecology and silvicultural aspects</p>
14	9:30	<p><u>David Butler-Manning</u>                      Jürgen Huss</p>	<p>Gap dynamics of a semi-natural beech forest on limestone in central Europe</p>
15	9:50	<p><u>Ioan Stetca</u>                      Jan den Ouden                      Frits Mohren                      Renske Terhürne                      Thomas Kroon</p>	<p>Patterns of beech natural regeneration along an altitudinal gradient</p>
16	10:10	<p><u>Sasan Babaie Kafaki</u>                      Asadollah Mataji                      Hadi Kiadaliri</p>	<p>Mapping the spatial distribution of regeneration gaps using ASTER imagery in beech forests in north of Iran</p>
10:30 - 10:50		Coffee Break	
<p>Session 5: Regeneration processes (2): growth and reproductive performances                  Moderator: Palle Madsen (Forest and Landscape Denmark, DENMARK)</p>			
17	10:50	<p><u>Tohru Nakashizuka</u></p>	<p>Thirty years of change in beech (<i>Fagus crenata</i>) seedling bank after simultaneous death of dwarf bamboo</p>
18	11:10	<p><u>Katsuhiro Osumi</u></p>	<p>Growth characteristics explain predominance of <i>Fagus crenata</i> in Japanese cool-temperate forests</p>
19	11:30	<p><u>Igor Drobyshv</u>                      Igor Saygin                      Matts Karlsson                      Mats Niklasson                      Rolf Övergaard</p>	<p>Production of beech nuts, climate, and diameter growth: understanding masting behavior of European beech in southern Sweden</p>
20	11:50	<p><u>Hiromasa Koyama</u>                      Tomoko Oyama                      Norio Takahashi</p>	<p>Masting in beech forest (<i>Fagus crenata</i> Blume) based on individual flowering behavior analysis</p>
12:10 - 13:20		Lunch	

### September 10 (Wed.)

<p><b>Session 6: Regeneration processes (3): species diversity and management</b>                  Moderator: Magnus Löf  <i>(Swedish University of Agricultural Sciences, SWEDEN)</i></p>			
21	13:20	<p><u>Palle Madsen</u>                      Carsten Riis Olesen                      John A. Stanturf                      Magnus Löf                      Christian Ammer</p>	<p>Effects of light and soil moisture on a mixed species natural regeneration of beech, ash, and sycamore maple</p>
22	13:40	<p>Blandine Caquet                      Alexandre Piboule                      Olivier Leroy  <u>Catherine Collet</u></p>	<p>Advance <i>Fagus sylvatica</i> and <i>Acer pseudoplatanus</i> seedlings dominate tree regeneration in a mixed broadleaved former coppice-with-standards forest</p>
23	14:00	<p><u>Bruno Chopard</u>                      Thomas Cordonnier</p>	<p>How to preserve precious broadleaved species in young dense beech stands: results of a 15 year experiment</p>
24	14:20	<p><u>Rolf Övergaard</u></p>	<p>Liming as a method to improve natural regeneration of beech (<i>Fagus sylvatica</i> L.) in Southern Sweden</p>
14:40 - 15:00		Coffee Break	
<p><b>Session 7: Management of beech forests (1): nature-oriented silviculture</b>                  Moderator: Andreas Zingg <i>(WSL, SWITZERLAND)</i></p>			
25	15:00	<p><u>Khosro Sagheb-Talebi</u>                      Alireza Eslami</p>	<p>Nature-based silviculture - how can we achieve the equilibrium state in uneven-aged oriental beech stands?</p>
26	15:20	<p><u>Asadollah Mataji</u>                      Khosro Sagheb Talebi</p>	<p>Deadwood assessment in different development stages of beech (<i>Fagus orientalis</i> Lipsky) stands in Caspian forests</p>
27	15:40	<p><u>Yousef Gorji Bahri</u>                      Shahram Kiadaliri                      Roshanali Faraji                      Reza Mahdavi                      Reza Moossavi</p>	<p>Study of rehabilitation methods in degraded beech regeneration area in Caspian forest region of Iran</p>
16:00 - 16:20		Coffee Break	
16:20	POSTER SESSION 2	13 posters ( <i>Entrance Hall "Foyer"</i> )	
18:30	Close		



## September 11 (Thu.)

### Technical session

<p>Session 8: Management of beech forests (2): an economic perspective                  Moderator: Khosro Sagheb-Talebi                  (Research Institute of Forest and Rangelands, IRAN)</p>			
28	9:00	<p><u>Sebastian Hein</u>                      Thomas Cordonnier                      Jens-Peter Skovsgaard                      Thomas Knoke</p>	<p><b>KEYNOTE</b>                      Crop-Tree-Oriented versus Whole-Stand Silviculture of Beech: Growth, Yield and Quality</p>
29	9:30	<p><u>Andreas Zingg</u></p>	<p>Growth and stem quality of beech (<i>Fagus sylvatica</i> L.) in mixed stands in relation to neighboring trees</p>
30	9:50	<p><u>Norocel-Valeriu Nicolescu</u></p>	<p>Silviculture of young European beech (<i>Fagus sylvatica</i> L.) stands in Romania, a compromise between ecological and economic constraints</p>
31	10:10	<p><u>Magnus Löf</u>                      Mats Hannerz</p>	<p>An internet-based decision support tool on management of broadleaved forests: a link between research and practice</p>
10:30 - 10:50		Coffee Break	
<p>Session 9: Physiological and morphological traits                  Moderator: Catherine Collet (INRA, FRANCE)</p>			
32	10:50	<p><u>Kiyoshi Umeki</u>                      Kihachiro Kikuzawa                      Frank J. Sterck</p>	<p><b>KEYNOTE</b>                      How do morphological and physiological traits determine the characteristics of individual beech trees?</p>
33	CANCELLED	<p>Matjaž Čater</p>	<p>Physiological and morphological response of young beech (<i>Fagus sylvatica</i> L.) to different light conditions in Slovenia</p>
34	11:20	<p><u>Philippe Balandier</u>                      Hervé Sinoquet                      André Marquier                      Marc Vandame</p>	<p>Evolution of light requirement with individual's size and links with growth performance of eight-year-old beech saplings in central France</p>
35	11:40	<p><u>Takayoshi Koike</u>                      Mitsutoshi Kitao                      Satoshi Kitaoka                      Makoto Watanabe                      Yutaka Maruyama</p>	<p>Leaf morphological and functional adaptation of Siebold beech (<i>Fagus crenata</i>) seedlings grown at two water regimes</p>
36	12:00	<p><u>Onno Muller</u>                      Kouki Hikosaka                      Ryosuke Nomura                      Tsutomu Hiura</p>	<p>Ecophysiological differences between north and south Japan <i>Fagus crenata</i> ecotypes</p>
12:20 - 13:20		Lunch	

## September 11 (Thu.)

<p>Session 10: Toward the future: Part 1</p> <p>Moderator: Philippe Balandier (<i>INRA, FRANCE</i>)</p>			
37	13:20	<p><u>Koen Kramer</u>                      Bernd Degen                      Thomas Hickler                      Wilfried Thuiller                      Martin Sykes                      Wim de Winter                      Isabel van den Wyngaert</p>	<p><b>KEYNOTE</b>                      How will <i>Fagus sylvatica</i> L. respond to climate change?                      Modelling its geographic distribution and adaptive potential</p>
38	13:50	<p><u>Ingrid Stjernquist</u>                      Peter Schlyter                      Kerstin Sonesson</p>	<p>Modelling long-term nutrient sustainability of Swedish beech forests</p>
39	14:10	<p><u>Maxime Cailleret</u>                      Hendrik Davi</p>	<p>Likely effects of climate change on growth of <i>Fagus sylvatica</i> : study along altitudinal gradients and comparison with the co-occurring species <i>Abies alba</i></p>
40	14:30	<p><u>Hendrik Davi</u>                      M. Gillmann                      T. Ibanez                      M. Cailleret                      A. Amm</p>	<p>Budburst of European beech in Ventoux forest: a modelling approach of trade-off between carbon input and frost risks</p>
14:50 - 15:10		Coffee Break	
<p>Session 11: Toward the future: Part 2</p> <p>Moderator: Tohru Nakashizuka (<i>Tohoku University, JAPAN</i>)</p>			
41	15:10	<p><u>Yoshitaka Kakubari</u>                      Masaaki Naramoto                      John Tenhunen                      Reiner Zimmermann                      Yukihiro Chiba</p>	<p>Primary productivity changes for a thirty-eight-year period in a natural beech (<i>Fagus crenata</i>) forest in the Naeba mountains</p>
42	15:30	<p><u>Tetsuya Matsui</u>                      Kanji Namikawa                      Ryota Goto                      Makoto Kobayashi                      Shigeo Kuramoto</p>	<p>Is <i>Fagus crenata</i> expanding north-eastwards in Hokkaido?                      -Implications from forest age structure and disturbance history-</p>
43	15:50	<p><u>Myriam Legay</u>                      Brigitte Pilard-Landeau                      Alain Valadon</p>	<p>Beech, a key species for thinking about climate change adaptation</p>
16:10 - 16:30		Coffee Break	
16:30		Announcement on Special Issue of FORECO and Proceedings	
16:40		Introduction of the excursion to AOMORI	
16:50		Closing remark	
17:10		Close	

<b>Poster session 1 (September 9)</b> <i>Entrance Hall "Foyer"</i> <ul style="list-style-type: none"> <li>■ Mounting of posters: Morning, Sep. 9</li> <li>■ Session: 15:00 - , Sep. 9</li> <li>■ Removal of posters: By 18:00, Sep. 9</li> </ul>		
P101	<u>Seiichi Kanetani</u> Greuk Pakkad Asako Matsumoto Masami Tsukahara Takakatsu Hoshina Hiroshi Yoshimaru	Genetic variation on seed stands of <i>Fagus crenata</i> in Niigata prefecture, central Japan
P102	<u>Myriam Legay</u> Ingrid Seynave Daniel E Silva	Radial growth and dominant height growth of beech: spatial patterns and ecological determinism at the scale of France
P103	<u>S.T. Barigah</u> S. Herbette R. Huc M. Ducrey H. Cochard	Variability in xylem cavitation vulnerability within <i>Fagus sylvatica</i> tree species along altitudinal and geographic gradients in France
P104	<u>Daniel E Silva</u> Paola Rezende Mazella Myriam Legay Emmanuel Corcket Jean-Luc Dupouey	Fructification and natural regeneration of beech ( <i>Fagus sylvatica</i> L.) on its border range
P105	<u>T Matthew Robson</u> Jesús Rodríguez-Calcerrada David Sanchez Francisco Javier Cano Ismael Aranda	The interaction of water stress and shade determines the physiological response of seedlings to summer drought in a marginal Spanish beech forest
P106	<u>Makoto Kobayashi</u> Tetsuya Matsui Kunikichi Yoshida Takashi Kohyama	Forest attributes contributing to the expansion of Siebold's beech population at its northern distribution front
P107	<u>Yasushi Mitsuda</u> Toshiro Iehara Makoto Sano Hiroshi Tanaka	Developing the distribution model of <i>Fagus crenata</i> forest for local landscape management using climatic, topographic and human disturbance factors
P108	<u>Ales Poljanec</u> Andrej Ficko Matija Klopčič Andrej Bončina	Spatiotemporal dynamics of European beech ( <i>Fagus sylvatica</i> L.) population in the period 1979 -2005
P109	<u>Keivan Ghourchibeiky</u> Ahmad Tavana	Structure of Beech ( <i>Fagus orientalis</i> Lipsky) stands in altitude profile of Caspian forest in Golband region
P110	<u>Abbas Bani Shafiei</u> Moslem Akbarinia Gholamali Jalali Mohsen Hosseini	Effect of fire on trees quality and regeneration in a beech mountain forest of Iran

P111	<u>Javad Eshaghi Rad</u> Asadollah Mataji	Determination and analysis of ecological species groups with respect to environmental factors
P112	Soudeh Hafezi <u>Davoud Azadfar</u>	Effect of stand elevation and slope direction on seed characteristics of <i>Fagus orientalis</i>
P113	<u>Daisuke Kabeya</u> Qingmin Han Atsuhiko Iio Akinori Yamamoto Yoshitaka Kakubari	Inter- and intra-year variation in nonstructural carbohydrates content in different organs of <i>Fagus crenata</i> trees after the masting event
P114	<u>Qingmin Han</u> Daisuke Kabeya Atsuhiko Iio Akinori Yamamoto Yoshitaka Kakubari	Variations in nitrogen content in different organs of <i>Fagus crenata</i> trees after the masting event
P115	<u>Hirokazu Kon</u>	Effects of weather conditions on mast seeding in <i>Fagus crenata</i> in northern Japan

**Poster session 2 (September 10)** Entrance Hall "Foyer"

- Mounting of posters: morning, Sep. 10
- Session: 16:20 - , Sep. 10
- Removal of posters: By 18:30, Sep. 10

P201	<u>Alejandro Ruete</u> Örjan Fritz Tord Snäll	A model for epiphyte colonization of beech stands
P202	<u>Kensuke Onodera</u>	Estimating cavity tree density in beech forests of southern Hokkaido, Japan
P203	<u>Kerstin Sonesson</u> Ingrid Stjernquist	The use of foliar chemistry to indicate vitality in Swedish beech ( <i>Fagus sylvatica</i> )
P204	<u>Hideyuki Saito</u>	Stress diagnosis of beech tree by genomic eco-physiology: a perspective
P205	<u>Yoko Watanabe</u> Yuka Otsuka Kiyomi Hinata Takayoshi Koike	Localization of chemical defensive materials in leaves of beech ( <i>Fagus crenata</i> ) growing at various environmental conditions
P206	<u>Yu Ichihara</u> Hayato Masuya Takanori Kubono	Pathogenicity of two fungi isolated from the decayed seeds of <i>Fagus crenata</i> in Japan

P207	Thomas Cordonnier François Ningre <u>Bruno Chopard</u> Alexandre Piboule	A study on young beech tree release in uneven-aged stands
P208	<u>Izumi Yamada</u> Tomohiko Kamitani	Growth response of beech ( <i>Fagus crenata</i> ) seedlings to light gradients near edge in a beech secondary forest
P209	Birgit Leonhardt Thomas Irmscher <u>Franka Huth</u> Sven Wagner Holger Fischer	Sustainable forest management by introducing beech ( <i>Fagus sylvatica</i> L.) into spruce monocultures ( <i>Picea abies</i> (L.) Karst.)
P210	<u>Javad Eshaghi Rad</u> Abbas Banj Shafiei Ahmad Alijanpour Nasrin Seyyedi	Variations of woody species diversity after single selection method performance
P211	<u>Alireza Eslami</u> Khosro Sagheb-Talebi	Investigation on structure of pure and mixed oriental beech stands of northern Iran
P212	<u>Kenji Seiwa</u> Yoshiko Miwa	Effects of landslide on community structure in a Japanese beech forest
P213	<u>Hendrik Davi</u> U. Vilhar M. Cater T. Grebenc H. Kraigher T. Levanic P. Simoncic	Effect of management on forest carbon budget: a modelling study on virgin and managed Slovenian beech stands.

### September 12 (Fri.)

Excursion to AOMORI		
6:00	Departure	(Prince House)
6:10	Departure	(Hotel "Asahiya")
7:40	Boarding a ferry Breakfast	
11:20	Landing on AOMORI Mt. HAKKOUA - OIRASE river - Lake TOWADA	
18:20	Arrival	(Hirosaki Kokusai Hotel)
19:30	Dinner	(Hirosaki Kokusai Hotel)

### September 13 (Sat.)

Excursion to AOMORI (Continued)		
7:30	Departure	World Heritage Site "Sirakami-sanchi"
13:00	Lunch	
15:00	Arrival	JR HIROSAKI station
16:00	Arrival	AOMORI airport

## **Photo gallery**

These pictures were taken by:

K.Minamino, M.Terazawa, K.Sagheb-Talebi & P. Madsen.



Group photo at the Onuma Seminar House. (September 8, 2008)

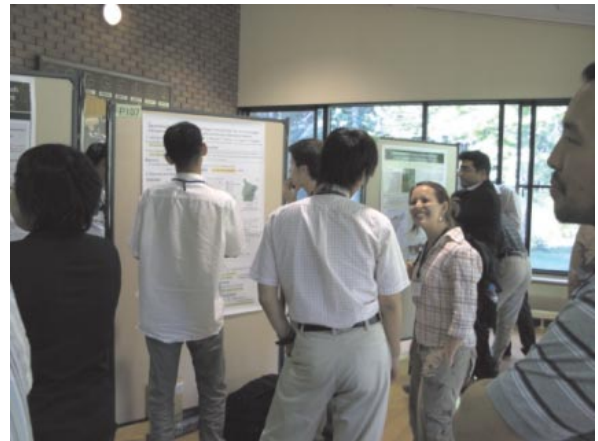
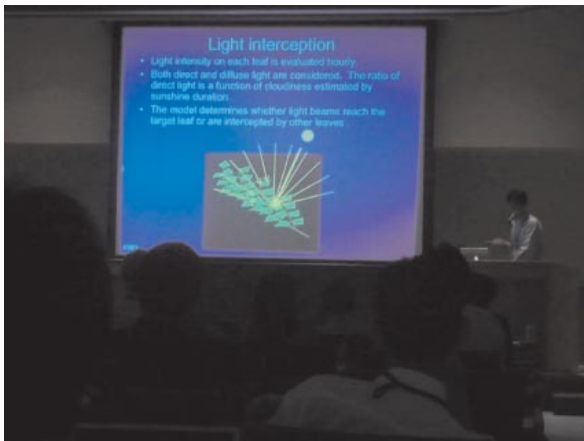


Conference venue

Onuma International Seminar House  
Nanae, Hokkaido, Japan

## Opening & Technical sessions

September 8-11





# Tea ceremony & Evening city tour

September 9-10



Lunch break  
September 9-11



Excursion to Kuromatsunai

Luncheon party  
hosted by the municipal  
government of Kuromatsunai

September 8



# Excursion to Kuromatsunai

“Utasai” Beech Forest Reserve  
“Soibetsu” secondary forest

September 8





## Excursion

### Mt. Hakkouda Lake Towada

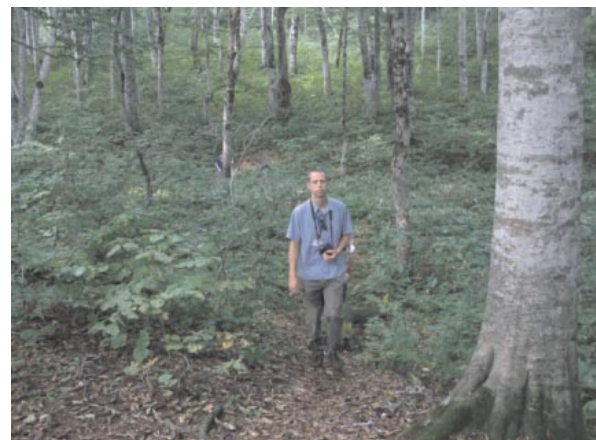
September 12



## Excursion

### UNESCO world heritage site "Shirakami Sanchi"

September 13



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## **List of participants**



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