

HELSINKI SUMMER SCHOOL

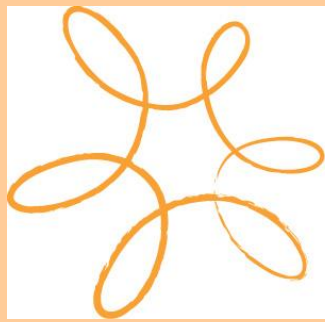
Environmental Services in Forest Management

Course Programme¹

Day 1, Tuesday, August 3rd, 2010

<i>Theme</i>	<i>Opening Day</i>
<i>Topic</i>	<i>Course briefing</i>
<i>Premises</i>	<i>Main Building, City Centre. Information on the lecture room is found on the Intranet pages</i>
14:00-15:00	Introductory session: Course outline and field trip arrangements
15:00-17:00	Opening Ceremony

¹ The Organiser reserves the right to change the speakers and/or modify the content of the course programme without prior notice



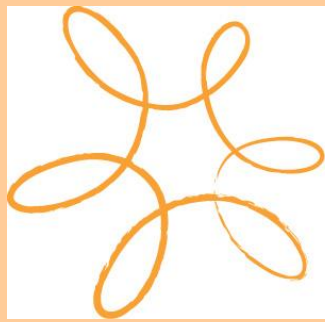
HELSINKI SUMMER SCHOOL

Environmental Services in Forest Management

Course Programme

Day 2, Wednesday, August 4th, 2010

<i>Theme</i>	<i>Course outline and basic concepts</i>
<i>Topic</i>	<i>A multidisciplinary approach to forest resource management</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Welcome and Introduction to Course Programme and Practical Issues
8:30-10:00	Influence of Vegetation on Climate and the Role of Carbon Cycle <i>Professor Eero Nikinmaa, Forest-atmosphere interactions</i> <i>Department of Forest Sciences, University of Helsinki</i>
10:00-10:30	Coffee break
10:30-12:00	The New Challenges of Sustainable Forest Management <i>Professor Bo Dahlin, Forest Logistics</i> <i>Department of Forest Sciences, University of Helsinki</i>
12:00-13:00	Lunch break
13:00-14:30	Introduction to Economic Analysis of Environmental Services <i>Lecturer Mika Rekola, Forest Economics</i> <i>Department of Forest Sciences, University of Helsinki</i>
14:30-15:00	Coffee break
15:00-18:00	Trip to Hyttiälä Research Station <i>(Introduction to group work)</i>
18:00-	Arrival to Hyttiälä Research Station <i>Free evening</i>



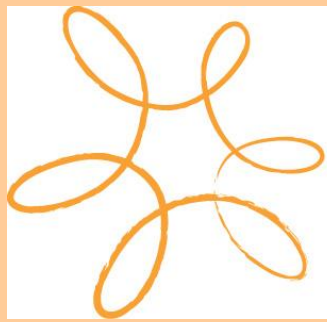
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Environmental Services in Forest Management

Course Programme

Day 3, Thursday, August 5th, 2010

<i>Theme</i>	<i>Field trip</i>
<i>Topic</i>	<i>Introduction to Biological Production and Carbon Sequestration</i>
<i>Premises</i>	<i>Hyytiälä Field Station</i>
9:00-9:30	Reflexion exercise
9:30-9:45	Introduction to the Hyytiälä Forestry Field Station <i>Dr. Antti Uotila, Head of Station, Department of Forest Sciences, University of Helsinki</i>
9:45-11:15	Ecosystem Carbon Management <i>Professor Markku Kanninen, Viikki Tropical Resources Institute Department of Forest Sciences, University of Helsinki</i>
11:15-12:30	Lunch break
12:30-14:00	Introduction to the SMEAR station <i>Professor Eero Nikinmaa, Forest-atmosphere interactions Department of Forest Sciences, University of Helsinki</i>
14:00-15:00	Visit to SMEAR II- station. Carbon and hydrological cycle measurements <i>Dr. Pasi Kolari, Post-Doc Researcher Department of Forest Sciences, University of Helsinki</i>
15:00-15:30	Trip to Siikaneva peatland
15:30-17:30	Visit to Siikaneva peatland. Carbon measurements with micrometeorological methods. <i>Dr. Pasi Kolari, Post-Doc Researcher Department of Forest Sciences, University of Helsinki</i>
17:30-18:00	Return to Hyytiälä Research Station
18:00-22:00	Social programme and diner



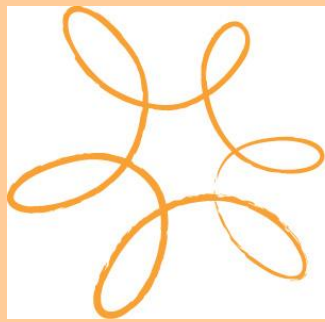
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Environmental Services in Forest Management

Course Programme

Day 4, Friday, August 6th, 2010

<i>Theme</i>	<i>Field trip</i>
<i>Topic</i>	<i>The supply chain cycle: From forests to the production site</i>
<i>Premises</i>	<i>Metsä-Botnia Oy, Äänenkoski Organised by Ms. Kirsi Seppäläinen, Vice President, Communications, Headquarters Ms. Sirpa Kautto, Communications Officer, Äänenkoski Mill</i>
8:00-10:30	Trip from Hyytiälä to Äänenkoski
10:30-14:30	Visit to Metsä-Botnia's Äänenkoski Mill Host: <i>Mr. Ilkka Poikolainen, Production Manager</i>
13:00-16:00	Visit to Metsäliitto's Wood Harvesting Site Host: <i>Mr. Sami Karppinen, Metsäliitto Central Finland</i>
16:00-20:30	Trip from Äänenkoski to Helsinki



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Course Programme

Day 5, Monday, August 9th, 2010

<i>Theme</i>	<i>Biological production</i>
<i>Topic</i>	<i>Forest biodiversity and water management in ecosystem services</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	Biodiversity functioning as a foundation for ecosystem services <i>Dr. Irina Herzon, Researcher</i> <i>Department of Agricultural Sciences, University of Helsinki</i>
10:00-10:30	Coffee break
10:30-12:00	REDD mechanism and its implications for forest biodiversity <i>Dr. Eshetu Yirdaw, Lecturer</i> <i>Vitri Tropical Resources Institute, University of Helsinki</i>
12:00-13:00	Lunch break
13:00-14:30	Hydrological and biochemical cycles of ecosystems and their linkages to ecosystem service interactions <i>To be confirmed</i>
14:30-15:00	Coffee break
15:00-16:30	Introduction to Carbon Modelling <i>Dr. Elemer Briceño Elizondo, Post-Doc Researcher</i> <i>Department of Forest Sciences, University of Helsinki</i>
16:30-18:00	Group work



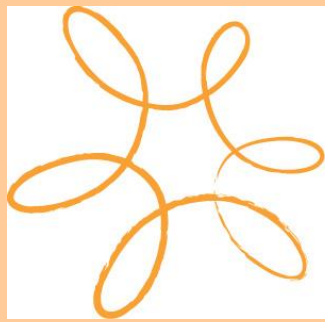
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Environmental Services in Forest Management

Course Programme

Day 6, Tuesday, August 10th, 2010

<i>Theme</i>	<i>REDD Mechanism</i>
<i>Topic</i>	<i>National Policy, Forest biodiversity, and Livelihoods</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	How do we manage forests within REDD mechanism? A landscape approach <i>Mr. Adrián Monge Monge, PhD Researcher</i> <i>Vitri Tropical Resources Institute, University of Helsinki</i>
10:00-10:30	Coffee break
10:30-12:00	Are current national climate change strategies and policy tools enough to comply with the REDD mechanism? <i>Mr. Fobissie Kalame, PhD Researcher</i> <i>Vitri Tropical Resources Institute, University of Helsinki</i>
12:00-13:00	Lunch break
13:00-14:30	How do we account for biodiversity and livelihood under REDD+? <i>Mr. Adrián Monge Monge, PhD Researcher</i> <i>Vitri Tropical Resources Institute, University of Helsinki</i>
14:30-15:00	Coffee break
15:00-16:30	Forest degradation: What it is and how to measure it? <i>Dr. Markku Simula, Docent</i> <i>Department of Forest Sciences, University of Helsinki</i>
16:30-18:00	Group work



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Environmental Services in Forest Management

Course Programme

Day 7, Wednesday, August 11th, 2010

<i>Theme</i>	<i>Forest Management and Technology</i>
<i>Topic</i>	<i>Challenges of climate change in planning and management of forest resources</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	How does technology help foresters to lower impact on forest resources and improve the quality of environmental services? <i>Professor Bo Dahlin, Forest Logistics Department of Forest Sciences, University of Helsinki</i>
10:00-10:30	Coffee break
10:30-12:00	Access to free technology to assess the state of forest biodiversity and resources <i>To be confirmed</i>
12:00-13:00	Lunch break
13:00-15:30	GIS exercise to assess carbon storage volume and baseline under REDD framework <i>Dr. Antti Mäkinen, Forest Technology Department of Forest Sciences, University of Helsinki</i>
15:30-16:30	Group work
16:30-18:30	Drama session: Introductory meeting with the students of agriculture <i>Ms. Kirsi Kettula-Konttas, PhD Researcher Department of Forest Sciences, University of Helsinki</i>



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Environmental Services in Forest Management

Course Programme

Day 8, Thursday, August 12th, 2010

<i>Theme</i>	<i>Valuation and policy</i>
<i>Topic</i>	<i>Assessment of Economic Impact of Environmental Services</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	Ecosystem services and the total economic value of forest resources: The view point of the Finnish case <i>Dr. Mika Rekola, Lecturer</i> <i>Department of Forest Sciences, University of Helsinki</i>
10:00-10:30	Coffee break
10:30-12:00	The bioeconomics of Finnish forestry: Even- vs. uneven-aged forestry <i>Professor Olli Tahvonen, Forest Economics</i> <i>Department of Forest Sciences, University of Helsinki</i>
12:00-13:00	Lunch break
13:00-14:30	The life cycle of forest products and the economics of climate change <i>Professor Lauri Valsta, Business Economics of Forestry</i> <i>Ms. Henna Lyhykäinen, PhD Researcher</i> <i>Department of Forest Sciences, University of Helsinki</i>
14:30-15:00	Coffee break
15:00-18:00	Group work



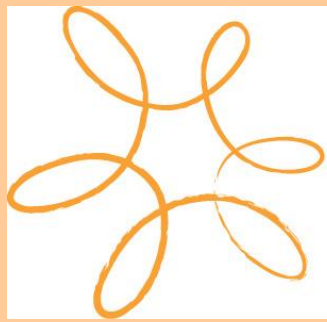
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Environmental Services in Forest Management

Course Programme

Day 9, Friday, August 13th, 2010

<i>Theme</i>	<i>Drama session</i>
<i>Topic</i>	<i>REDD Mechanism: Governance of resources and ecosystem services A joint session with the students of the course on agriculture and environment: Ecosystem services</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	Session 1 <i>Ms. Kirsi Kettula-Konttas, PhD Researcher Department of Forest Sciences, University of Helsinki Mr. Adrián Monge Monge, PhD Researcher Vitri Tropical Resources Institute, University of Helsinki</i> <i>Invited experts:</i> <i>Mr. João Cordeiro, Associate Principal, Pöyry PLC Ms. Maija Kaukonen, Forest Officer, WWF Finland Mr. Fobissie Kalame, PhD Researcher, Vitri Tropical Resources Institute Ms. Marjo Maidell, Forest Economist, Indufor Oy</i>
10:00-10:30	Coffee break
10:30-12:00	Session 2
12:00-13:00	Lunch break
13:00-14:30	Session 3
14:30-15:00	Coffee break
15:00-16:30	Session 4
16:30-18:00	Group work: Delivery of Posters



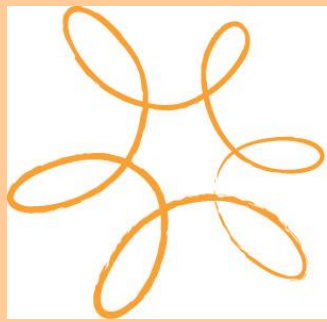
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Environmental Services in Forest Management

Course Programme

Day 10, Monday, August 16th, 2010

<i>Theme</i>	<i>Global Challenges in Forestry</i>
<i>Topic</i>	<i>Environmental services in forest plantations</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	Environmental services in forest plantations: The Uruguayan case <i>Professor Carlos Mantero, Wood Technology Department of Forest Sciences, University of the Republic</i>
10:00-10:30	Coffee break
10:30-12:00	Environmental services in forest plantations: A corporate view <i>Mr. Lauri Peltola, Head of Corporate Communications Stora Enso Oyj</i>
12:00-13:00	Lunch break
13:00-14:30	Environmental services in forest plantations: The Brazilian case <i>Professor Luiz Carlos Estraviz Rodriguez, Forest Economics Department of Forest Sciences, University of São Paulo</i>
14:30-15:00	Coffee break
15:00-16:30	Environmental services in forest plantations: The South African case <i>Professor Pierre Ackerman, Forest Harvesting Department of Forest and Wood Science, University of Stellenbosch</i>
16:30-18:00	Environmental services in industrial forests: The Swedish case <i>Professor Ola Sallnäs, Forest Technology Swedish University of Agricultural Sciences</i>



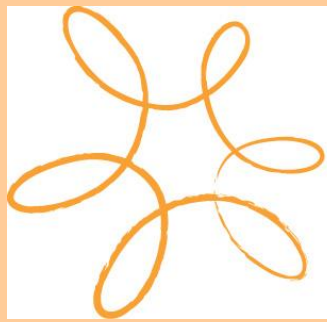
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Environmental Services in Forest Management

Course Programme

Day 11, Tuesday, August 17th, 2010

<i>Theme</i>	<i>Public Seminar</i>
<i>Topic</i>	<i>In partnership with nature: What can agriculture and forestry do?"</i>
<i>Premises</i>	<i>Main Building</i>
8:45-17:30	A joint seminar with the organisers of the course on Agriculture and Environment: Ecosystem Services The seminar programme is found at http://www.helsinkisummerschool.fi/home/courses/environmental_services_in_forest_mangement



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Environmental Services in Forest Management

Course Programme

Day 12, Wednesday, August 18th, 2010

<i>Theme</i>	<i>Group presentations</i>
<i>Topic</i>	<i>Presentation of the results of group reports</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	Session 1: Groups 1 and 2
10:00-10:30	Coffee break
10:30-12:00	Session 2: Groups 3 and 4
12:00-13:00	Lunch break
13:00-14:30	Summary of group exercise
14:30-15:00	Coffee break
15:00-17:00	Summary of group exercise



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Environmental Services in Forest Management

Course Programme

Day 13, Thursday, August 19th, 2010

<i>Theme</i>	<i>End of the course</i>
<i>Topic</i>	<i>Analysis and evaluation</i>
<i>Premises</i>	<i>Viikki campus. Information on the lecture room is found on the Intranet pages</i>
8:00-8:30	Reflexion exercise
8:30-10:00	Analysis of group presentations
10:00-10:30	Coffee break
10:30-12:00	A self-evaluation on individual performance and course expectations
12:00-13:00	Lunch break
13:00-15:00	SWOT Analysis
	End of the course