





















What are the objectives of staff mobility for teaching?

- #1 To encourage higher education institutions to broaden and enrich the range and content of courses they offer;
- #2 To allow students who do not have the possibility to participate in a mobility scheme, to benefit from the knowledge and expertise of academic staff from higher education institutions and from invited staff of enterprises in other European countries;
- #3 To promote exchange of expertise and experience on pedagogical methods;
- #4 To create links between higher education institutions and with enterprises;
- #5 To motivate students and staff to become mobile and to assist them in preparing a mobility period.
- http://ec.europa.eu/education/erasmus/doc1067_en.htm

#1 To encourage higher education institutions to broaden and enrich the range and content of courses they offer

Optimal forest management with respect to the global warming problem and global economics

- Lectures by Peter Lohmander at UPV, Polytechnical University of Valencia, Spain, February 2010

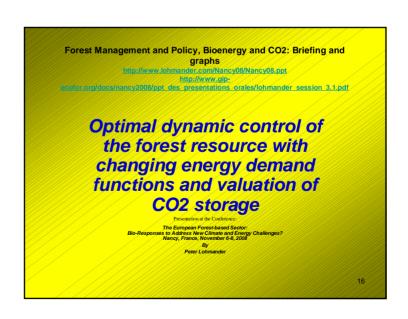
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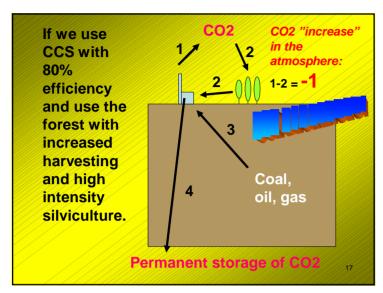
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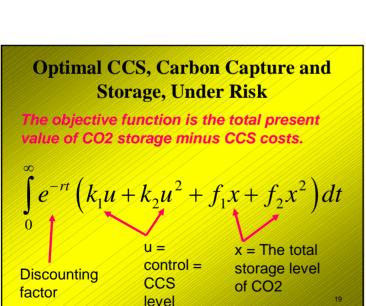
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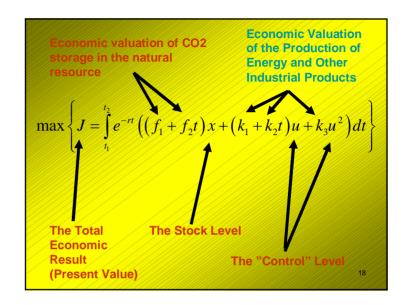


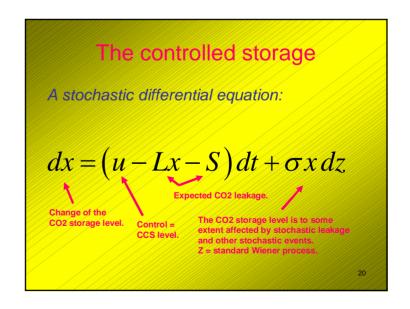
Optimal forest management with respect to the global warming problem and global economics - Lectures by Peter Lohmander at UPV, Polytechnical University of Valencia, Spain, February 2010 http://www.lehmander.com/PL_UPV_2010/UPV10.pdi http://www.lohmander.com/PL_UPV_2010/UPV10.doc CHP, Combined Heat and Power: Illustrations and typical figures from one plant in Sweden Forest Management and Policy, Bioenergy and CO2: Briefing and graphs http://www.gip-ecotor.org/docs/nancy2008/ppt_des_presentations_orales/lohmander_session_31.pdf Mathematics of Forest Management and Policy, Bioenergy and CO2: Optimization of combined decisions http://www.lohmander.com/PL_UPV_2010/Math_PL_UPV_Feb2010.ppt Optimal timing and spatial coordination with infrastructure: The case of Russian Federation ttp://www.lohmander.com/RuMa09/Lohmander_Presentation.ppt http://www.lohmander.com/RuMa09/RuMa09.htm Optimal timing and coordination with industrial investments in high resolution: The case of Sweden http://www.lohmander.com/London09/London/Lohmander/09.ppf http://www.lohmander.com/London09.pdf A Global Approach to Forest Management and Policy, Bioenergy and CO2 http://www.lohmander.com/jp090805.pdf









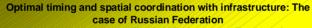


Mathematics of Forest Management and Policy, Bioenergy and CO2: Optimization of combined decisions
http://www.folumander.com/PL_UPV_2010/Math_PL_UPV_Feb2010.ppt

A general continuous global approach to:
- Optimal forest management with
respect to the global warming problem
and global economics

One section of the lectures by Peter Lohmander at UPV, Polytechnical University of Valencia, Spain, February 2010

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http://www.lohmander.com/RuMa09/Lohmander_Presentation.ppt

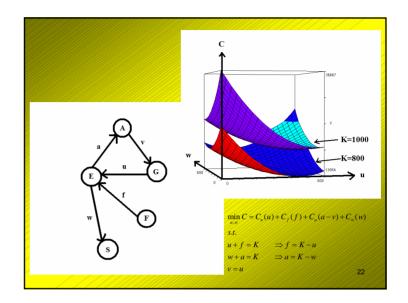
Methodology for optimization of coordinated forestry, bioenergy and infrastructure investments with focus on Russian Federation

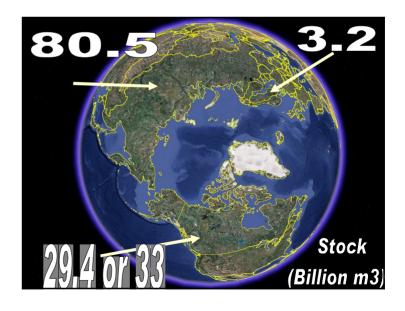
Методология оптимизации координированных инвестиции в лесное хозяйство, биоэнергетику и инфраструктуры на примере РФ

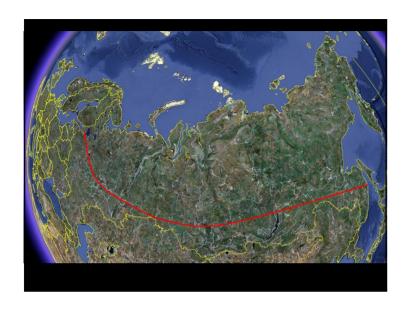
Peter Lohmander

Professor Dr., SUAS, Umea, SE-90183, Sweden

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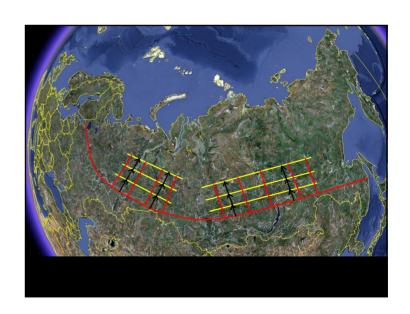




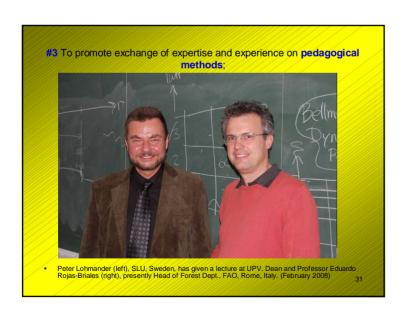




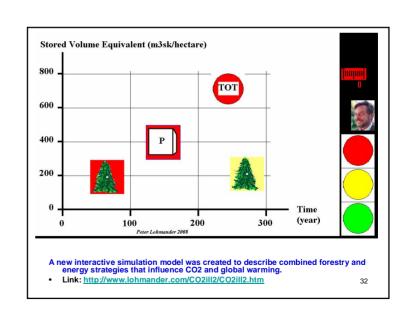












#4 To create links between higher education institutions and with enterprises;

International Forest Policy Excursion Spain-Andorra-France 2008

35 students from Sweden followed the excursion.

The course was given as part of the Forestry Programme in Sweden.

The excursion was a part of the course: SH0026 International Forest Policy.

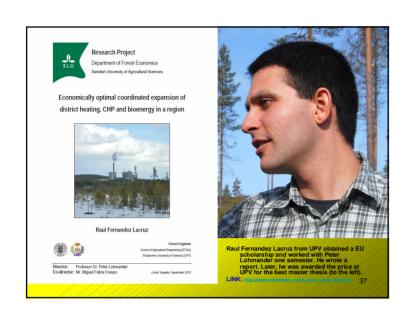
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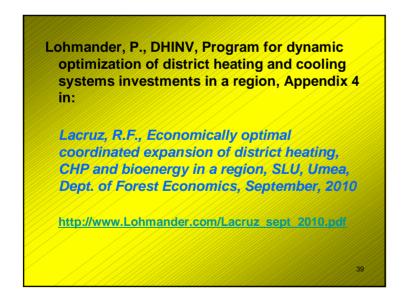
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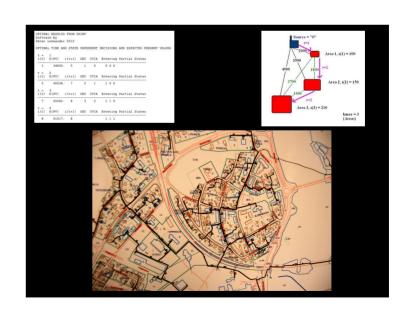






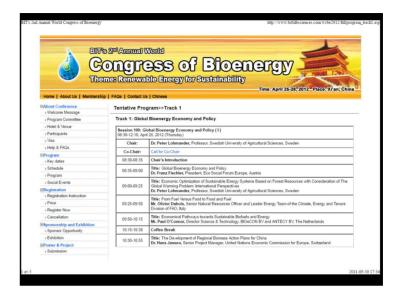












IMPORTANT strategies for SLU:

- · Continued focus on "ERASMUS Staff Mobility for Teaching".
- · Investigate the best education programmes in the visited countries.
- Make sure that the master level education programmes at SLU are <u>at least</u> as advanced as the best master level education programmes in other countries. (Compare next point.)
- The level of mathematics within the forest programme has to increase at SLU in order to reach the level at UPV. At UPV, all forest engineering students study differential equations and other higher level mathematics.
- Differential equations are necessary tools in order to understand and analyze biological growth, economic growth etc. (VERY IMPORTANT AREAS AT SLU!) At SLU, differential equations are not studied within the forestry programme.
- At SLU, it would be rational to include a ten week course in applied mathematics during the first year, including differential equations and operations research, general optimization and programming. Then, the theoretical levels of almost all other courses could be strongly increased.

Pictures from UPV, Valencia and the Environment, by Peter Lohmander

- http://www.lohmander.com/ValenciaF08/UPV/UPVF08.htm
- http://www.lohmander.com/ValenciaF08/Valencia08.htm
- http://www.lohmander.com/SAF08/SAF08.htm