



Neighbourhood Programme  
Euregio Karelia



NorTech Oulu



OULUN  
LÄÄNINHALLITUS



Ministry of the  
Environment

Business, Educational and Research Cooperation between Institutions of Northern Finland and North-West Russia (BERMAP)

## PROGRAMME

ASTU and MSTU specialists visit in Oulu

*Oulu, Finland*

**20/10/2006- 26/10/2006**

### Meeting between the Specialists of the Environmental Sector from ASTU, MSTU and University of Oulu

Time: Wednesday 25.10.2006, 9:00–16:00

Location: University of Oulu, PR 119 & SÄ105

9.00 - 12.00 **Groups 1, 2, 3 and ASTU & MSTU project teams** Visit to the Department of Process and Environmental Engineering (presentations by Finnish and Russian participants, discussions, visit to the laboratory facilities)

#### Topics for Group 1:

1. Geotechnics
2. Monitoring of landfills
3. Soil condensation

#### Topics for Group 2:

1. Production of sorbents from wood waste
2. Use of enzymatic technologies in the chemical treatment of wood
3. Biological treatment of waste water of pulp and paper industries
4. Technology of pulp and paper production

#### Topics for Group 3:

1. Biofuel production from liquid organic waste
2. Waste water purification in fish processing industries
3. Purification technology in low-turbid and coloured waters
4. Use of biopositive constructions with algal phytofouling in the littoral ecosystem purification
5. Use of wetland complexes with higher vegetation in the biological after purification of the waste water



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**12.00 - 13.00** **Groups 1, 2, 3 and ASTU & MSTU project teams** *Lunch at the university*

**13.00 - 16.00** **Groups 1, 2, 3 and ASTU & MSTU project teams** Visit to the Department of Process and Environmental Engineering continues with visits to individual laboratories and discussions

### *List of participants*

#### **Archangelsk State Technical University (ASTU)**

Prof. Konstantin Bogolitsyn	Faculty of Chemical Technology, Department of Theoretical and Applied Chemistry
Prof. Nikolay Bogdanovich	Faculty of Chemical Technology, Department of Timber-Chemical Production
Ass. Prof. Aleksei Lukin	Faculty of Building Engineering, Department of Construction Production
Post-graduate student Ksenia Bolotova	Faculty of Chemical Technology, Department of Biotechnology
Post-graduate student Nikolai Larionov	Faculty of Chemical Technology, Department of Theoretical and Applied Chemistry
Natalia Podrazhanskaya	Office for International Relations

#### **Murmansk State Technical University (MSTU)**

Prof. Sergey Zavalko	Faculty of Natural Sciences and Technology, Department of Ecology and Environmental Technology
Director Evgeney Belokopytov	Office for International Relations
Post-graduate student Natalia Trochinskaya	Faculty of Natural Sciences and Technology, Department of Ecology and Environmental Technology



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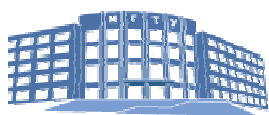
Post-graduate student Anastasia Shirokina Faculty of Natural Sciences and Technology, Department of Ecology and Environmental Technology

### **Department of Process and Environmental Technology, University of Oulu**

Vice-rector, prof. Riitta Keiski	Mass and Heat Transfer Engineering Laboratory
Senior researcher Eva Pongracz	Mass and Heat Transfer Engineering Laboratory
Senior researcher Antti Vasala	Bioprocess Engineering Laboratory
Senior assistant Esko Juuso	Control Engineering Laboratory
Prof. Björn Klöve	Water Resources and Environmental Engineering Lab.
Senior engineer Kauko Kujala	Water Resources and Environmental Engineering Lab.
Senior assistant Liisa Myllykoski	Mass and Heat Transfer Engineering Laboratory
Senior assistant Ari Ämmälä	Fibre and Particle Engineering Laboratory
Senior assistant Juha Ahola	Chemical Process Engineering Laboratory
Prof. Jaakko Rämö	Water Resources and Environmental Engineering Lab.
Assistant Virpi Väisänen	Industrial Engineering Laboratory

### **NorTech Oulu**

Risto Hiljanen, Roman Gokkoev, Natalia Golubeva & Niko Hänninen



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