



HELSINGIN YLIOPISTO
HELSINGFORS UNIVERSITET
UNIVERSITY OF HELSINKI

Examples of the Environmental Projects of the Palmenia Centre for Continuing Education, University of Helsinki

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Palmenia Center for Continuing Education - Examples of Environmental Projects

- Promotion of Sustainable Forestry in Povolgie of Russia
(2003 – 2005)
- OILECO (2005 – 2007)
Integrating ecological values in the decision making
process on oil spill combating in the Gulf of Finland
- ISKALT I and II (2003 - 2007)
Monitoring of fish stocks under risk of oil and chemical
accident in the eastern Gulf of Finland
- RePlast (2005 – 2007)
Training and Development Project Plastics (+WEEE
plastic components) Recycling



Promotion of Sustainable Forestry in Povolgie of Russia (Tacis Tempus, JEP)

Specific objectives

- Develop the new curriculum “Sustainable forest management” for the faculty of forestry and ecology of Mari State Technical University of RF
- Launch long term cooperation with forestry universities of EU
- Establish centre of “Sustainable forest management” to serve as a resource for the forest sector of Povolgie in terms of updated knowledge in sustainable development and forestry.



Promotion of Sustainable Forestry in Povolgie of Russia (Tacis Tempus, JEP)

Project consortium

- University of Helsinki, Palmenia Centre for Continuing Education, Kotka
- Mari State Technical University
- Aristotle University of Thessaloniki
- University of Agricultural Sciences, Vienna



Promotion of Sustainable Forestry in Povolgie of Russia (Tacis Tempus, JEP)

Project outcomes

- New courses of English and German languages in MarSTU
- The curriculum and 12 courses of sustainable forest management in MarSTU
- Student mobility between EU and RF universities
- Dissemination of the project results among forestry universities and organisations of the Povolgie region
- International experience in education for all members of the consortium



OILECO - Integrating ecological values in the decision making process on oil spill combating in the Gulf of Finland

- Financed from the European Regional Development Fund (ERDF) and implements the Interreg IIIA Southern Finland and Estonia program.
- Co-financers are South-East Finland Regional Environment Centre, City of Kotka and The Estonian Marine Institute, University of Tartu.
- Project budget is 804 724 €





OILECO - Integrating ecological values in the decision making process on oil spill combating in the Gulf of Finland

Project aims

- To collect and compile information on the ecosystem values of the Gulf of Finland.
- To evaluate the sensitivity of the ecosystem components on oil spills.
- To produce supportive information for the decisions to safeguard the most valuable populations in the case of an oil spill.
- To evaluate the justifications for the investments on preventive measures.



OILECO - Integrating ecological values in the decision making process on oil spill combating in the Gulf of Finland

Outcome

- A probabilistic model and environmental sensitivity maps based on the existing information on relevant valuable biological resources.
- Recommendations for authorities involved in oil spill emergency situations aimed at environmentally sensitive allocation of oil combating resources.



ISKALT I, II

Monitoring of fish stocks under risk of oil and chemical accident in the eastern Gulf of Finland





ISKALT - Monitoring of fish stocks under risk of oil and chemical accident in the eastern Gulf of Finland

- Aim is to assess the status of fish stocks in eastern parts of the Gulf of Finland and in the rivers in the area.
 - Deterioration of the ecological situation in the region due to the impact of different anthropogenic factors
- Outcome will be
 - Ability to better assess the effects of eutrophication on fish stocks
 - Possibility to monitor changes in species composition
 - Gather background data for better assessment of possible environmental hazards
- Sea trout (*Salmo trutta*) and Eurasian perch (*Perca fluviatilis*) studied in detail



ISKALT - Monitoring of fish stocks under risk of oil and chemical accident in the eastern Gulf of Finland

SEA TROUT (*Salmo trutta*)

- Threatened salmonid in the Gulf of Finland Mapping the spawning rivers
- Genetic analyses
 - Information will be used for the restoration measures on the most valuable rivers, habitats, and stocks.
 - E.g. selection of suitable brood stock



ISKALT - Monitoring of fish stocks under risk of oil and chemical accident in the eastern Gulf of Finland

EURASIAN PERCH - Key species in Baltic fish monitoring

- Population structure
- Age composition,
- Liver (toxicity) analyses
- Part of Baltic fish monitoring network
 - Developing a population model to estimate the year-class strengths of perch populations



Re Plast

- Training and Development Project
Plastics (+WEEE plastic components) Recycling





Re Plast

- Training and Development Project
Plastics (+WEEE plastic components) Recycling

■ TARGET GROUP

Plastics professionals: producers and authorities in
Southern Finland and Estonia

■ PARTNERS

- University of Helsinki , Palmenia Centre for Continuing Education and Tallinn University of Technology, Department of Material Engineering.
- Committed partners: Muovipoli Ltd, Tampere University of Technology, Tartu University Institute of Technology, Estonian Plastics Association, Edupoli, Lahti Regional Development Company Ltd, LAKES



Re Plast

- Training and Development Project Plastics (+WEEE plastic components) Recycling

■ MAIN OBJECTIVE

To develop recycling of plastics and WEEE- plastic components in Finland and Estonia

■ SUB-OBJECTIVES

- To collect information in both countries on the amount and quality of recycled plastics (and WEEE- plastic components) and on matters concerning waste collection and recycling.
- To draw up conclusions, suggestions and recommendations on organizing waste collection, sorting and recycling and turning into products of recycled plastics.