



Welcome to Aquarel project Final Seminar!

Time: Thursday 18th Sep 2014 at 12:00-17:00 (Registration starts at 11:45)

Place: Vihiluodon Kala Oy, Rytiniementie 4, Tupos
(Road 4, ~ 20km south from Oulu, in adjacent to Tupos ABC-station)

AQUAREL Aquatic resources for green energy realisation is cross-border co-operation project between Finland and Russia, financed by the Karelia ENPI CBC Programme. Partners are 3 Finnish and 5 Russian organizations: Oy Culmentor Ltd, Ecofoster Group Oy, Lappeenranta University of Technology, Karelian Energy Efficiency Centre, Karelian Research Centre of the Russian Academy of Science, Vilia Ltd, Belomorskiy Port, Mariproduct JSC.

The aim has been to develop and introduce a concept for utilizing fish processing co-streams in the Republic of Karelia, to reduce the environmental impact caused by bio waste disposal and to initiate an ideological change in the way bio-waste is seen as a valuable commodity.

Program

12:00 Opening speech *Jukka Hellgren, Oy Culmentor Ltd.*

Introduction of the consortium and the outcome of the project

- Partner organizations, their role and interests of being involved in the project.
- Studied waste material potential and utilization possibilities in the Republic of Karelia.
Anton Shcherbak, Karelian Research Centre of the Russian Academy of Science.
Jouni Havukainen, Lappeenranta University of Technology.
- Pilot results: Transportation and processing of fish waste to produce fish oil.
Jaakko Seppälä, Ecofoster Group Oy.
- Aquarel concept. *Mika Horttanainen, Lappeenranta University of Technology.*

14:30 – 15:00 Coffee Break

Available solutions and further research items in near future

- Biogas plant – a sustainable solution for bio waste management.
Markku Illikainen, Oulu Waste Management.
- The quality of fish oil and its potential use in Chemical Industry.
Mikko Ahokas, University of Oulu.
- Business case: Utilization of fish co-streams.
- Potential funding mechanisms In Russia for implementing required process and equipment investments to start processing bio waste. *Alexander Berdino, Karelian Energy Efficiency Centre.*

16:30-17:00 Summary and closing.

Registration latest on 8th September 2014 by e-mail to pirjo.rousu@culmentor.com

The event is free of charge.