



## Report on actions

<b>Project</b>	<b>LIFE+ project</b> “Baltic actions for reduction of pollution of the Baltic Sea from priority hazardous substances” (acronym BaltActHaz), Reference number LIFE07 ENV/EE/000122		
<b>Subject</b>	<b>International seminar “Substitution of Hazardous Chemicals – policies, options and experiences”</b>		
<b>Place</b>	Riga, Latvia		
<b>Date</b>	19 <sup>th</sup> - 21 <sup>nd</sup> May 2010		
<b>Participants</b>	<i>Name of person</i>	<i>Institution</i>	<i>Country</i>
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	Rainer Kask	Hanza Tarkon AS	Estonia
	Heli Nõmmsalu	Baltic Environmental Forum, Estonia	Estonia
	Reet Pruul	Environmental Ministry of Estonia	Estonia
	Juhan Ruut	Hendrikson & Ko OÜ	Estonia
	Aivi Saarepuu	Estko AS	Estonia
	Jörgen Talkop	Baltic Environmental Forum, Estonia	Estonia
	Aive Telling	Ministry of Social Affairs	Estonia
	Tatjana Tšernjak	Ministry of Social Affairs	Estonia
	Anni Turro	Eskaro AS	Estonia
	Epp Zirk	Hendrikson & Ko OÜ	Estonia
	Marja Koljonen	Baltic Sea Action Group / Foundation for a Living Baltic Sea	Finland
	Steffen Brenzel	Kooperationsstelle Hamburg	Germany
	Christian Felten	Berufsgenossenschaft für Transport und Verkehrswirtschaft	Germany
Klaus Kuhl	Kooperationsstelle Hamburg	Germany	
Lothar Lißner	Kooperationsstelle Hamburg	Germany	
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Sarmīte Alkšbirze	Kvadro Ltd.	Latvia
Ingrīda Brēmere	Baltic Environmental Forum, Latvia	Latvia
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Ilga Gavare	Tenachem Ltd.	Latvia
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Agnese Linde	Baltic Environmental Forum, Latvia	Latvia
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Genādijs Siņickis	Riga Varnish and Paint Factory Ltd.	Latvia
Solvita Strāķe	Latvian Institute of Aquatic Ecology	Latvia
Valters Toropovs	Baltic Environmental Forum, Latvia	Latvia
Ludmila Varlamova	SC Chemical Plant Spodrība	Latvia
Inese Vilka	SC Chemical Plant Spodrība	Latvia
Maija Viška	Latvian Institute of Aquatic Ecology, Latvia	Latvia
Dalē Amšiejienē	Alytus Regional Environmental Protection Department	Lithuania
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Loreta Jovaišienė	Utena Regional Environmental Protection Department	Lithuania
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Goda Kuliešytė	Baltic Environmental Forum Lithuania	Lithuania
Biruta Simanskiene	Klaipeda Regional Environmental Protection Department	Lithuania

	Veera Boitseva	Eskaro AS	Estonia
	Raina Dūrēja	The Association of Latvian Chemical and Pharmaceutical Industry, Latvia	Latvia
	Dagnija Jirgensone	Ministry of Environment, Latvia	Latvia
<b>Rapporteur</b>	Agnese Linde		

### Goal of the workshop:

To give the overview of substitution (general principles, requirements and tools) and to introduce the options for substitution (practical examples and advice, suitable alternatives for substitution of hazardous substances with less hazardous ones or changing the process technology).

### Discussion issues:

#### 1. Opening and introduction

Seminar started with short introduction round where all participants expressed their interest to the seminar topics and expectations to the seminar content. Participants were representing industrial enterprises (shipyards, chemical plants, pharmaceutical plants, etc.), state institutions and ministries of environment, regional authorities, professional associations, etc. from all Baltic States. There were also representative from Baltic Sea Action Group / Foundation for a Living Baltic Sea, Finland. Main topics of interest in seminar were as follows:



- Baltic Sea protection and possible solutions in reduction of hazardous substances from industrial activities;
- Keep the Baltic Sea tidy when working with hazardous substances (for example in such extend as avoid from pollution, implement proper hazardous substances management, apply risk reduction measures, etc.);
- Interested in environmental safety issues, environmental impact assessment;
- Normative and legal background, IPPC issues in relation with hazardous substances management and usage;
- Specific industrial substitution options for particular hazardous substances;
- Particular interests on CLP regulation, practical implementation measures,
- Possibilities to use different technologies;
- Specific interests from industrial companies as surface treatment lot of chemicals, etc.
- Possibilities to improve financial status of company and enhance green attitude towards environment as well as become more competitive in market.

## Overview on presentations:

### **1. Political trends to regulate high concern chemicals (legal framework, drivers and barriers for substitution, case studies).**

Presentation part started with introduction of lecturers. Mr. Lothar Lissner gave a brief introduction about institute Kooperationsstelle Hamburg they representing and what are the main working areas of institute as well as spoke about their experience in work with substitution of hazardous substances.

Mr. Lissner gave an overview on political and legal trends in the EU, legal frame of substitution, about EU directives where substitution are set as priority, importance of substitution in relation with environmental saving issues and related topics (*see handouts*). Speaker also gave an overview about main drivers (or reasons behind) and barriers (main factors not to substitute) for substitution. Mr. Lissner gave an introduction with several case studies on substitution practices in particular industrial branches such as metal processing, automotive industry (for example, in cleaning of car brakes). Main conclusions are that guidance documents are still unclear in this field, how to implement substitution and move step forward are left to enterprises in national level.

Next part of presentation was introduction with different tools where to search for information. Mr. Brenzel from Kooperationsstelle Hamburg gave an overview on available different home pages, showed these pages online that participants could get more detailed view on possibilities of each tool or database (for example, available languages, industrial branches covered, etc.).



### **2. Overview „Risk assessment tools on chemicals”**

Mr. Kuhl gave an overview on main risk assessment tools on chemicals. Speaker introduced with such tools as German Technical Rules for Hazardous substances (TRGS), German column model: comparison of alternatives, online tools as for example Cleantool – online database created by Kooperationsstelle Hamburg where information can be obtained on metal surface cleaning, information on chemicals, related links, etc. covering around 260 processes. Database is updated regularly. Other online tools are GISBAU (hazardous products information system for the construction sector), GISMET (accident insurers' hazardous products information system for the metal sector) and GISCHEM (information system for the chemicals system) where can be found wide spectrum of information as well (*see handouts*).



## Working group 1

In the working groups speakers introduced participants how to use the above mentioned tools, showed these databases online and after it gave a task accordingly applied method used in industrial sector find a better solution for example substitute oil with other agent in metal processing, etc.

## Working group 2

In working group 2 there were collected case studies from participants. Discussion topics were – waste reduction, collection, disposal, recycling of blasting media, oil separation methods, under water cutting in first working group. In second working group were discussed about electroplating – substitution of Cr (VI) in electroplating processes, substitution of phosphates, paints. Participants in working groups were introduced with appropriate legal part for each process and available tools for choice of alternatives.

In continuation of presentation Mr. Lissner showed other risk assessment tools on chemicals as CATSUB, PIUS, Alternativas, TRGS600, COSHH Essentials, STOFFENMANAGER, AFFSET SUBSTITUTION – CMR, KEMI PRIO. These all are online databases containing information on implemented case studies, recommendations, substance/chemicals information, covering different industrial branches, and other relevant information for substitution practice.



### Conclusions/agreements/ outcomes:

It was agreed that all presentations and materials of the training will be uploaded on project website, where it is possible to download them ([www.baltacthaz.bef.ee](http://www.baltacthaz.bef.ee)), as well as distributed to the participants directly.