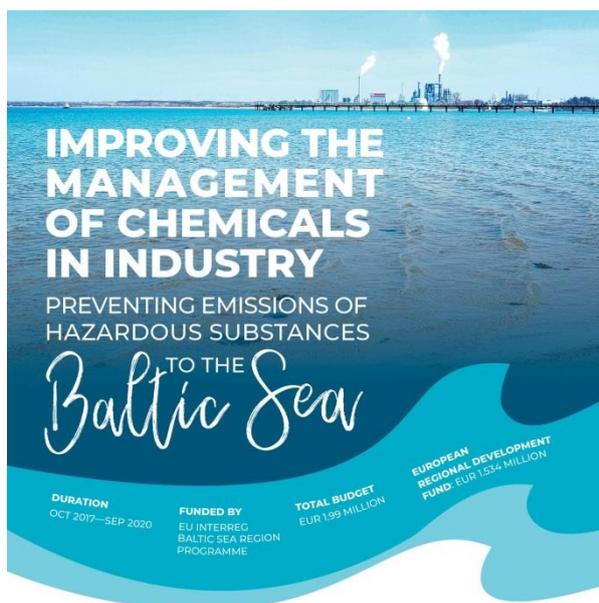


NEWSLETTER JULY 2019



Highlights of HAZBREF Stakeholder Conference in Tallinn on 21–22 May 2019.

The conference was attended by 80 participants from 13 EU Member States, which provided an excellent basis for discussions and gathering input from the various stakeholders. The full conference report and material presented in Tallinn are also available on the [HAZBREF webpage](#).

One of the conference highlights was the presentation of HAZBREF's work on the textile sector. The findings show, that the available data on chemicals is often limited and insufficient. Based on the chemical inventory carried out in the case installations, HAZBREF proposes BAT chemical management for storage and handling of chemicals and for handling of certain waste streams. These BAT descriptions are now submitted as input to the EU TXT BREF process and are also available on the [HAZBREF homepage](#).

The full report, which will be finalized by autumn, will bring together the experiences from the case installations in the HAZBREF partner countries and describe the best practices for the management of hazardous chemicals in the textile sector. The report will also describe the techniques and measures which were identified in the case studies as potential candidate BATs for the reduction of releases of hazardous substances to the environment.

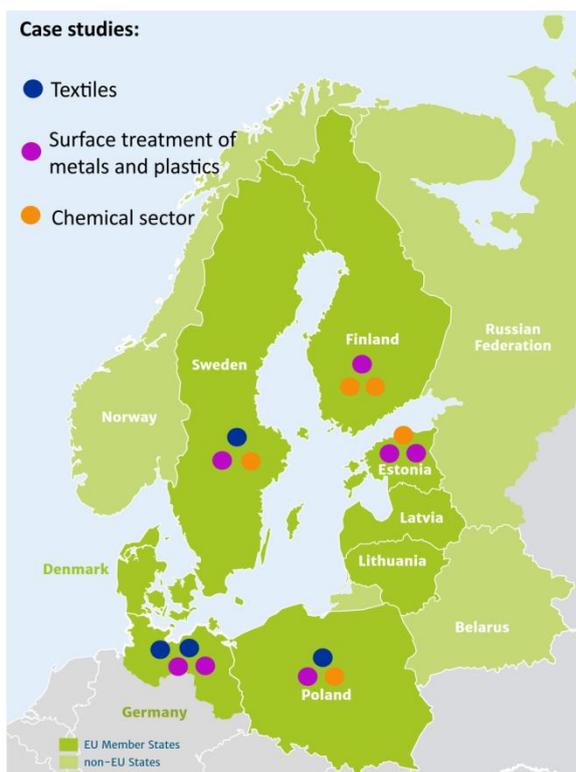
The HAZBREF reports on the other case sectors, chemical industry and surface treatment of metals and plastics, will be ready a bit later in 2019. The aim is to provide input to the forthcoming reviews of the BREFs in these sectors.

HAZBREF case studies

Case studies are going on in all partner countries. The studies will provide input to the HAZBREF Sector guidance reports. In the textile sector HAZBREF has four case installations. These factories produce woven fabric and protective clothing. The main processes in these factories are pre-treatment and treatment of textiles, dyeing and finishing.

In the chemical sector HAZBREF has recruited five case installations. These factories produce polymers and inorganic chemicals.

In the sector of surface treatment of metals and plastic the project has seven case studies. One of these is Aurajoki Group's factory in



Turku, Finland. The factory produces electrolytic surface treatments and powder coatings.

According to **Sanna Salo**, HSEQ Manager at Aurajoki Group, it was the possibility to benchmark their practices that draw the company to join in.

“Our factory is supervised by the Finnish environment and safety authorities, and naturally our processes and practices meet their requirements. Still it is interesting to discuss whether there are ways to take our performance to the next level and serve our customers better. HAZBREF can give us a new third party opinion in the matter, and we are eager to hear that,” Ms. Salo explains.

The revision of the BREF on surface treatment of metals and plastic makes the collaboration even more interesting for the company. “We believe that being part of the project has a real added

value for us especially now, as the BREF is being revised. I expect the project can provide us more detailed information about the future BATs,” says Sanna Salo.



Supervising the process in Aurajoki Group's factory in Turku. © Aurajoki Group

Circular Economy

Activity 4.4 started in January and will finish next spring. The aim of the activity is, on the one hand, to consider possible ways to include promotion of non-toxic circular material flows in BREFs more comprehensively than currently. In HAZBREF we consider three different approaches (*Production waste*, *Secondary raw material*, and *Product end-of-life* approach) for our case industrial sectors. These approaches are described in detail in the [Tallinn outcome report](#). Existing good practices in the case installations can be used as examples of circular material flows in the different industrial sectors.

On the other hand, the aim is to identify obstacles for the promotion of circular material flows through BREFs. During the discussions in the Tallinn conference it became obvious that even though IED itself does not limit the inclusion of CE aspects in BREFs there are still other legislative and economic barriers hindering the circulation of material flows between industrial sectors. However, consideration of value-chain BATs and giving examples on different ways of using wastes and by-products could be a feasible mechanism to promote circular non-toxic material flows in the future BREFs.

WP2 Selection of target substances

The WP2 has designated three strategies to derive lists of relevant target substances for the case sectors: substance-based, use-based and hazard-based approach. Relevance of a substance is determined with regard to the potential to be released to the environment and intrinsic toxic properties. The work now focusses on technical functions of chemical groups, rather than individual chemicals, and is done in collaboration with the stakeholders and EIPPC Bureau.

Most work so far is done for the textile sector and its BREF review. In the context of the textile sub-processes, generalised statements are now developed on the fate and behaviour of about



200 chemicals during wastewater treatment. The methodology will be further refined based on the modelling of industrial wastewater treatment and data from the ECHA database.

The full conference report and materials presented in Tallinn are available on the [HAZBREF webpage](#).
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WP3 Policy improvement

The WP3 consists of two activities. Activity 3.1 seeks to understand the links and gaps between different European legislation that provide data on chemical substances and discusses the usefulness of that data for BREF reviews and BAT conclusions. The objective of activity 3.2 is to elaborate a practical method for including the information on hazardous substances in the BREFs systematically and at the right time.

The draft report of activity 3.1 will be soon circulated to interested stakeholders for additional feedback. If requested, a smaller workshop will be organized after the summer break to exchange views on the proposals of the report. Please contact WP leader **Michael Suhr** if you are interested! Activity 3.2 will start after the summer break and continue until March 2020.



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More information on the HAZBREF webpage:

www.syke.fi/projects/hazbref

Please, don't hesitate to contact the project partners if you have any comments or questions!