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Hazardous Industrial Chemicals in the IED BREFs



HAZBREF BAT webinar on hazardous chemicals management

Agenda CET

12:45 - 13:00 Welcome, introduction to the order of the day and housekeeping

Kaj Forsius, HAZBREF Project manager, Finnish Environment Institute SYKE

13:00 – 13:20 Introduction to the day's theme

The purpose of HAZBREF sectoral guidances, Timo Jouttijärvi and Emmi Vähä, SYKE

13:20 - 14:30 BAT identification for hazardous chemicals management

BATs within the STM and CHEM sectors, Christina Lundin, SWECO

14:30 Break

15:00-16.00 HAZBREF Sectoral guidances and case studies.

Sector guidance for STM, Janusz Krupanek, IETU

Sector guidance for POL and LVIC, Sven Bomark, SWEPA

16:00-16:30 Discussion on HAZBREF findings of hazardous chemicals management

Statements and comments from webinar participants

16.30 Wrap up

HAZBREF objectives in short

- October 2017 – September 2020

General objective

- **Improved, systematic consideration of hazardous substances** in the review work of BREFs
- Support for identification and management of hazardous chemicals for both **authorities** and **installations**
 - **Increased understanding** of links between different chemical regulatory frameworks (IED-REACH-WFD-HELCOM)
 - **Increased knowledge** of hazardous chemicals indicated in REACH and other legislative frameworks with regard to their relevance concerning
 - emissions from different industrial processes
 - options for measures
 - **Identification** of relevant hazardous chemicals, their characteristics, use patterns and potential abatement measures in selected industrial sectors covered by the IED

Work Packages

WP1 – Project management and administration (SYKE)

- Coordination and communication

WP2 – Identification of target substances (UBA)

- 2.1 Selection of target substances
- 2.2 Fate of substances during emission treatment

WP3 - Policy improvement (UBA)

- 3.1 Analysis of the interfaces between the different pieces of EU-legislations and marine convention
- 3.2 Development of method to include information of hazardous substances into BREFs

WP4 – Best practices in chemicals management in industry (IETU)

- 4.1 Development of best practices in industrial sectors (sector reports)
- 4.2 Industrial installation case studies (textile, surface treatment, chemicals)
- 4.3 Development of BAT descriptions
- 4.4 Identifying hazardous substances preventing recycling and reuse in industry (Circular economy)

HAZBREF BAT webinar on hazardous chemicals management

Organisers and speakers

Welcome

*Kaj Forsius, Finnish
Environment Institute SYKE*



Introduction to the day's theme

*Timo Jouttijärvi and
Emmi Vähä, SYKE*



BAT identification

*Christina Lundin, Mats Lindgren
Kristoffer Karström SWECO*



HAZBREF Sectoral guidances

*Janusz Krupanek, IETU and
Sven Bomark, SWEPA*



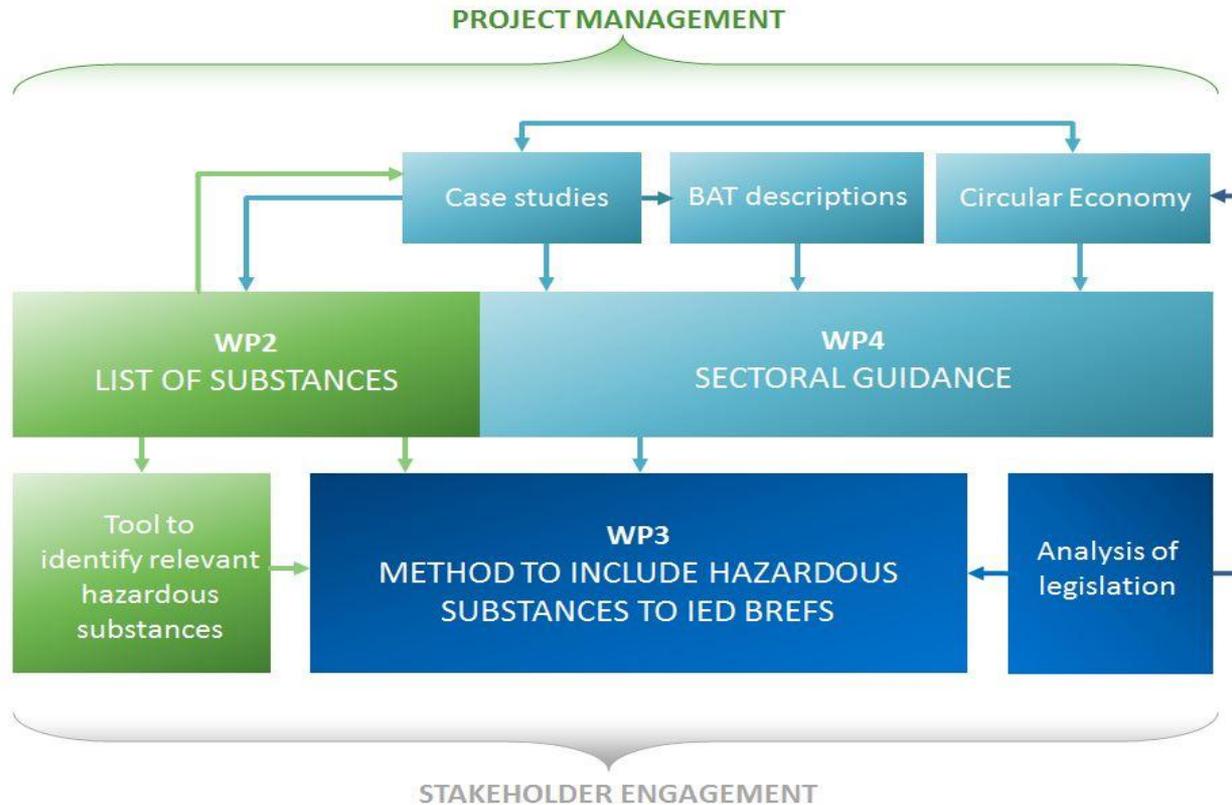
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Introduction to the sector guidance reports

Timo Jouttijärvi & Emmi Vähä
Finnish Environment Institute SYKE
Webinar 27.4.2020

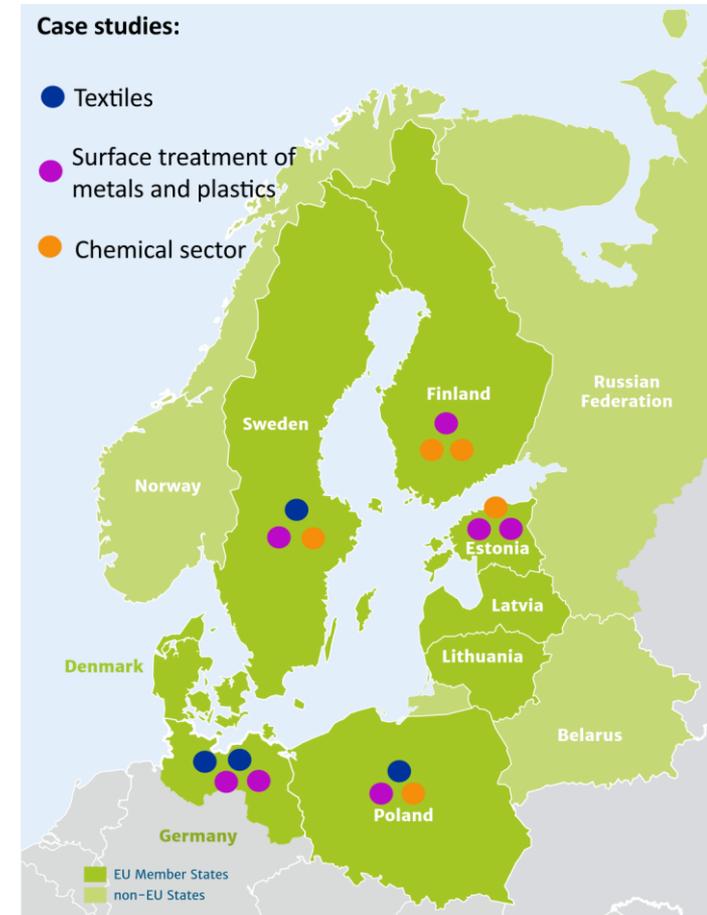


WP4 Best practices in chemicals management in industry



Case studies

- The selected industrial sectors are
 - Surface Treatment of Metals and Plastics
 - Chemical industry: sub-sectors Polymers and Large Volume Inorganic Chemicals (namely fertilizers)
 - Textile Industry
- Overall 16 case studies were conducted
- The main findings will be presented in the sector guidance reports



The purpose of the sector guidance reports

- Describe best practices in chemical management in industry
- Guidance and tools for the industrial operators and authorities to improve chemical management practices in installations.
- Provide input to the upcoming BREF reviews in the case sectors.

Contents of the sector guidance reports

1. Sector overview
2. Hazardous substances relevant to the sector
3. Management of hazardous chemicals
4. Recommendations on BAT candidates
5. Permitting process
6. Concluding remarks

1. Sector overview

- Basic information on the sector
- Baltic Sea relevance
 - How many installations are in the Baltic Sea Catchment?
 - How many installations in Europe in total?
- Environmental issues of concern



2. Hazardous substances relevant to the sector

- Results from WP2
 - Substances of Very High Concern (SVHCs) and Water Framework Directive Priority Substances (WFD PS) identified for the sector
 - Data sources: ECHA database & REACH Annex XV dossiers, SPIN register (Substances in Preparation in Nordic countries)
- Information on chemical legislation
- Information on different lists of hazardous substances
- References to previous studies

3. Management of hazardous chemicals

- Legal obligations from REACH, IED, SEVESO, POP and sector-specific and national legislations
- Good chemical management practices
- Presentation of supporting tools and information sources
- Recommendations for the improvement of the Safety Data Sheets and Exposure Scenarios

4. Identification of HAZBREF BAT proposals

- Five BAT proposals were developed for Textile BREF review process
- One BAT proposal was provided for the Common Waste Gas Treatment in the Chemical Sector (WGC) BREF process

5. Permitting Process

- Findings and recommendations from the case studies and partner countries concerning the environmental permitting process
- Please see also HAZBREF 3.1 draft report Annex 2: Work practice of Member State authorities

Thank You for your attention!

Emmi Vähä

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<https://www.syke.fi/projects/hazbref>

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Hazardous industrial chemicals in the IED BREFs



IMPROVING THE MANAGEMENT OF CHEMICALS IN INDUSTRY

PREVENTING EMISSIONS OF HAZARDOUS SUBSTANCES

TO THE *Baltic Sea*

DURATION
OCT 2017—SEP 2020

FUNDED BY
EU INTERREG
BALTIC SEA REGION
PROGRAMME

TOTAL BUDGET
EUR 1.99 MILLION

EUROPEAN REGIONAL DEVELOPMENT FUND: EUR 1.534 MILLION



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Next steps

- Finalisation of BAT descriptions based on comments received
 - Major Comments from stakeholders on draft BAT descriptions by 15th of May
 - Final comments until 10th of June
 - Comments to Claes.debourg@naturvardsverket.se and kaj.Forsius@ymparisto.fi
- Results of the whole project will be presented in the HAZBREF final webinar 4th June
- Final publications latest in September 2020
- www.syke.fi/projects/hazbref