

# HAZBREF



EUROPEAN  
REGIONAL  
DEVELOPMENT  
FUND

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## Hazardous Industrial Chemicals in the IED BREFs

Kaj Forsius SYKE

Tallinn 2019



# Budget and Timeline

- Funding from Interreg Baltic Sea Region Programme.
- Total budget 2 M€
- October 2017 – September 2020

Kick-off conference in Helsinki March 2018

Tallinn Conference May 2019

Final Conference: Berlin in summer 2020?

# Project Partners

Organisation	Country
Finnish Environment Institute (SYKE)	Finland
Swedish Environment Protection Agency (Swedish EPA)	Sweden
Estonian Environmental Research Centre (KLAB)	Estonia
Institute for Ecology of Industrial Areas (IETU)	Poland
German Environment Agency (UBA)	Germany



# Background of HAZBREF

- Industrial Emissions Directive (IED) is the main instrument on EU level to control industrial releases
  - particularly BAT reference documents (BREFs) for different industrial sectors
- Main policy strategies and regulatory frameworks refer to the IED concerning reduction regulations of emissions from industry
  - BREFs have not always contained comprehensive information on hazardous substances and industrial chemicals and their abatement measures,
  - Difficult for permitting authorities or industries to manage issues related to hazardous chemicals
  - However, recent progress in latest BREF reviews (EIPPCB-ECHA collaboration, KEI study)

# General Objective

- **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

 **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**

# 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

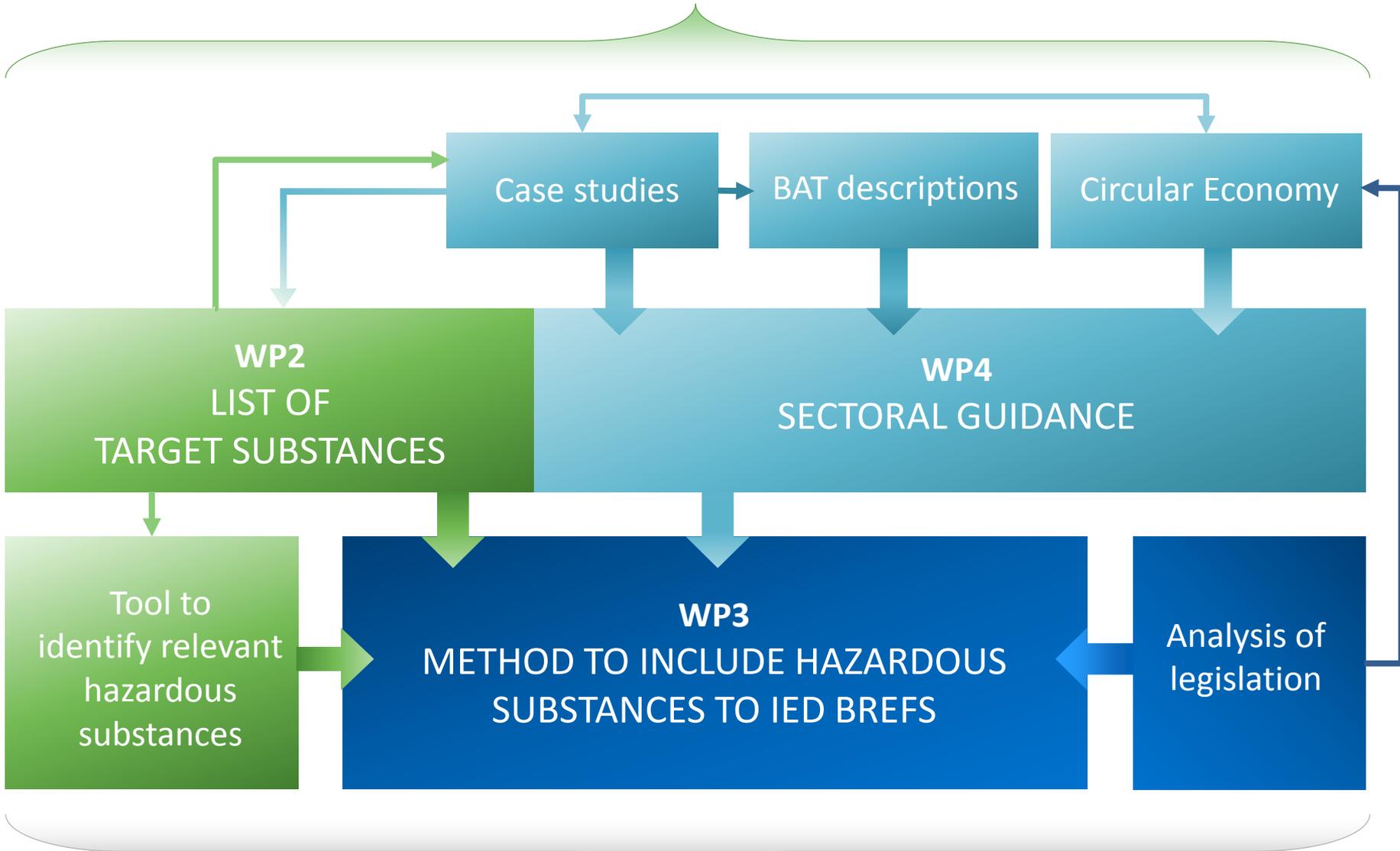
## **WP3 - Policy improvement (UBA)**

- 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)

**PROJECT MANAGEMENT**



**STAKEHOLDER ENGAGEMENT**

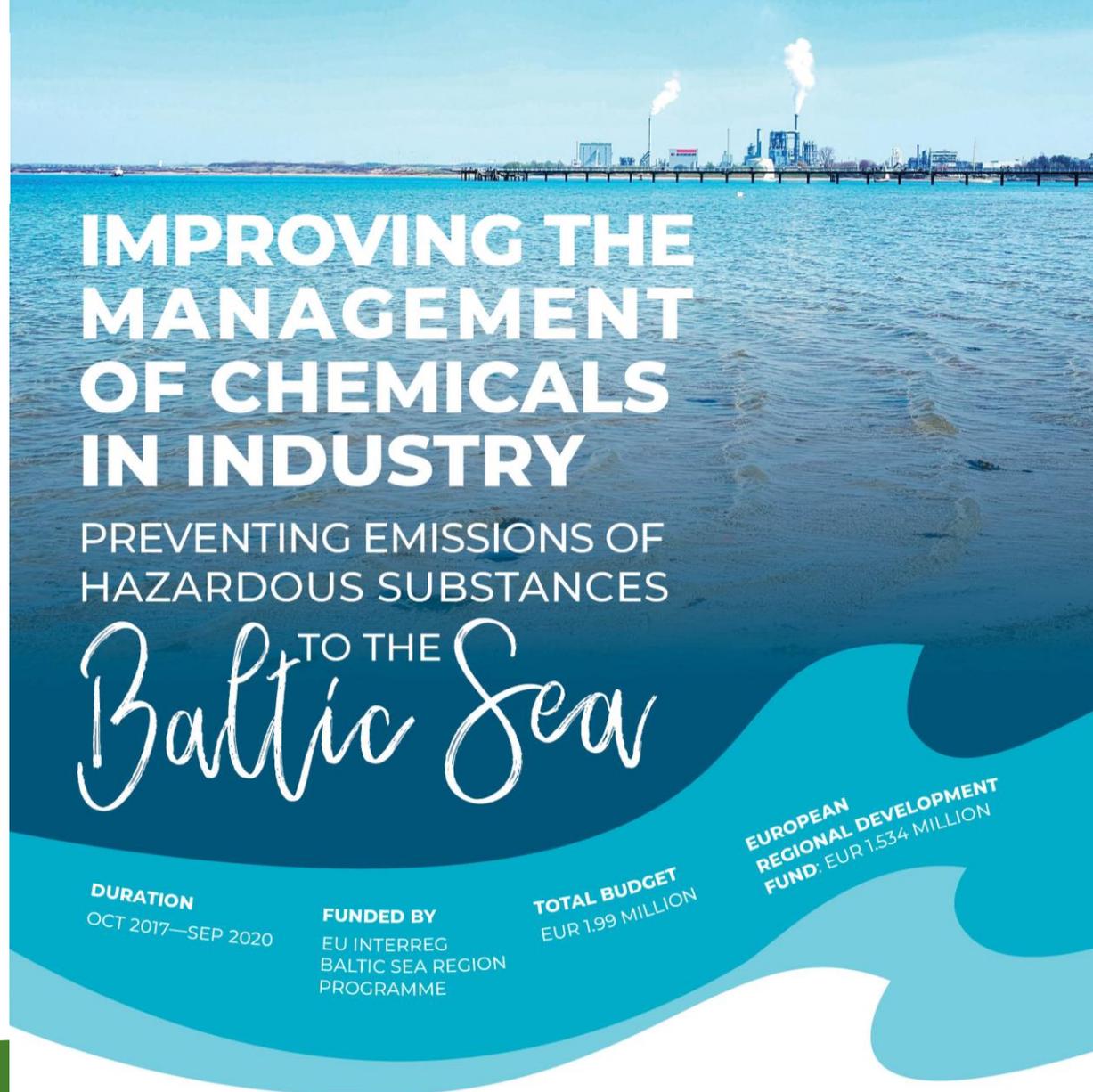
# Associated organisations, target groups and other Stakeholders

- Associated organisations
  - 28 organisations in 12 countries supported the application
  - international organisations, Ministries, EPAs, Industrial associations etc
- Policy level
  - EU Commission
  - EIPPCB, ECHA
- National Stakeholders
  - National permitting and enforcement authorities, Chemical agencies
  - Operators and industry organisations
  - Water utilities

**Thank You for  
your attention!**

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[www.syke.fi/projects/hazbref](http://www.syke.fi/projects/hazbref)



# 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**