



# BEST AVAILABLE TECHNIQUES (BAT)

Environmental inspections in the framework of  
the EU Industrial Emissions Directive and the  
role of laboratories  
Ukraine

30-31 August 2023

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# Background and Objectives

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## What are Best Available Techniques?

- State-of-the-art techniques for the prevention and control of industrial emissions,
- To establish legally binding emission limit values and other environmental permit conditions for industrial facilities

## Objectives

- **Exchange best practices** across countries that already have a BAT-based permitting system
- **Provide guidance** to countries that seek to adopt a BAT-based approach for the first time
- Achieve **progress towards the SDGs**, notably Target 12.4 on the environmentally sound management of chemicals





# The OECD Expert Group on BAT

- **Established in 2015** – increased *tenfold* in size since
- **~150 members from 40+ countries and organisations**
  - OECD member and non-member governments
  - Intergovernmental organisations
  - Environmental NGOs
  - Industry associations
- One face-to-face meeting and one webinar per year
  - 8-10 November 2023, Seville/Spain
- **A fruitful platform** for the exchange of best practices, review of OECD research, etc.





# Deliverables of the OECD's BAT project (2016-2024)



## Phase I

Act.1- Policies on BAT or Similar Concepts Across the World (2017)

Act.2 -Approaches to Establishing BAT Around the World (2018)

Act.3 - Measuring the Effectiveness of BAT Policies (2019)



## Phase II

Act.4 - BAT guidance document (2020)

Act. 5 - Study on value chain aspects of determining BAT (2021)

Act. 6 - Cross-country comparison of selected BREFs (2022)



## Phase III

Act. 7 - Cross-country comparison of selected BREFs (P.2)

Act. 8 - Capacity building workshops

Act.9 - Study on identifying emerging technologies for potential BAT determination

**All reports available free of charge:  
[oe.cd/bat](https://oe.cd/bat)**



## Added value of using BAT

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### **1. Techniques available**

- Selection of BAT
- Effective and economically viable

### **2. Resource Efficiency**

- Efficient use of resources, e.g. raw materials, energy, and water.
- Cost savings and improved sustainability.

### **3. Adaptation to Industry Specifics**

- Customized BAT ensures optimal outcomes



## Added-value of using BAT

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### **4. Integrated Approach**

- Comprehensive / value chain approach
- Different stages of production = Optimisation

### **5. Waste Minimisation**

- Reduce waste at its source
- Treatment and disposal cost-saving

### **6. Stakeholder Engagement**

- Promotes transparency
- Better BAT adoption

### **7. Knowledge Sharing**

- Experience and expertise share



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# Thank you!

- Follow up:
  - Berrak ERYASA: [berrak.eryasa@oecd.org](mailto:berrak.eryasa@oecd.org)

<https://www.oecd.org/chemicalsafety/risk-management/best-available-techniques.htm>