



BEST AVAILABLE TECHNIQUES (BAT) PROJECT

Better environmental inspections for stronger
environmental resilience
A regional seminar with Eastern Partner countries

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Background and Objectives

What are Best Available Techniques (BAT)?

- 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
- Provide guidance to countries





The OECD Expert Group on BAT

- **Established in 2015** – increased *tenfold* in size since
- **~140 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
- **A fruitful platform** for the exchange of best practices, review of OECD research, etc.





Deliverables of the OECD's BAT project



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



Phase III

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

Act. 8 - Capacity building workshops

Act.9 - Study on BATs for reducing the environmental impact of emerging global issues

All reports available free of charge:
oe.cd/bat



Activity 7

Cross-country analysis of BREFs

- **Qualitative and quantitative BAT used to prevent & control several key-environmental indicators (KEIs)**
 - Emissions to air & water
 - BAT
 - BAT-AELs and/or BAT-AEPLs

2021 - Activity 6

Focus sectors

- Thermal Power Plants
- Cement
- Textile

Activity 7

Focus sectors

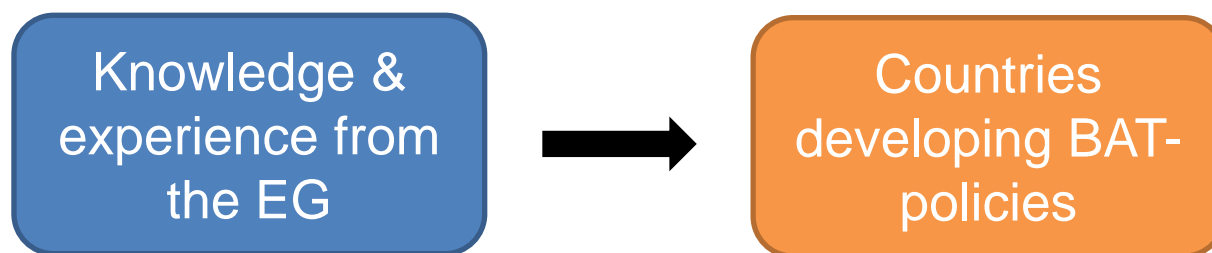
- Waste Incineration
- Paper & Pulp
- Iron & Steel



Activity 8

Capacity building workshops

➤ Tailor-made capacity building on BAT



Vietnam

Kazakhstan

India

Morocco



Activity 9

A study on Emerging BATs

- Study on BATs for reducing the environmental impact of emerging global issues



Bio-plastics production

Chemical recycling



IOMC TOOLBOX

Management Scheme: *BAT*

The screenshot shows the IOMC Toolbox interface for the 'Best Available Techniques (BAT)' management scheme. The interface is dark-themed with orange accents. It includes a 'Resources available' slider set to 'Limited', a 'Type of content' section with three items, a 'Tags' section with two items, and a search bar with a dropdown menu.

Resources available

Slider: Limited (selected), Medium, High

Type of content

- ☒ More Information Page ⓘ
- ☒ Management schemes elements / steps ⓘ
- ☒ Tools ⓘ

Tags

- ☐ All
- ☐ Member states

Search or select an element

Search bar: [Empty]

Dropdown menu:

- Select an element
- Designing a BAT policy
- Establishing BAT
- Evaluating a BAT policy

Search button



How to **design**, **establish**, **determine** and **evaluate** BAT to prevent and control the emission of industrial pollutants in your country

- Designing a BAT policy
- Establishing BAT
- Building a national BAT-based system
 - Value chain approaches to determining BAT for industrial installations
- Evaluating a BAT policy by measuring its effectiveness



List of BREFs by sectors and activities covered by each jurisdiction

Search by sector: [Agriculture](#) - [Forestry](#) - [Food](#) - [Gas & Oil](#) - [Mining](#) - [Non-ferrous metals](#) - [Iron & Steel](#) - [Chemicals](#) - [Cement](#) - [Paper & Pulp](#) - [Power Plants](#) - [Manufacturing](#) - [Construction Materials](#) - [Others in industry](#) - [Infrastructure](#) - [Waste](#) - [Others](#)

Sector	European Union BREFs and BAT Conclusions	The Russian Federation: BREFs	Korea: BREF	All US, NESHA, HSPS and Industrial Effluent Guidelines	People's Republic of China: Guidelines on Available Technologies for Pollution Prevention and Control (GATPPCs)	India: Comprehensive Industry Documents (COINDs)	International Finance Corporation's 5IFC) EHS Guidelines *Learn more about IFC
Waste	<ul style="list-style-type: none"> • Waste Incineration - Available in English, Arabic, Chinese and Russian • Waste Treatment - Available in English, Arabic, Chinese and Russian 	<ul style="list-style-type: none"> • Waste Incineration • Disposal of municipal waste • Recycling and detoxification of waste • Waste gas treatment (larger industries) • Waste water and waste gas treatment in chemical industry • Waste water treatment at centralised systems 	<ul style="list-style-type: none"> • Waste Incineration 	<ul style="list-style-type: none"> • Hazardous waste combustion (NESHA) • Sewage treatment plant incineration (NSPS) • Waste combustors (Water) • Landfills (NESHA) • Landfills (NSPS) • Landfills (Water) • Off-site recovery (NESHA) • Oil-water and organic-water separators (NESHA) • Petroleum refinery wastewater systems (NSPS) • Centralized treatment (Water) 	<ul style="list-style-type: none"> • Disposal of Sludge from Municipal Waste water Treatment Plant • Mercury-containing Waste Disposal • Medical Waste Treatment and Disposal 	N/A	<ul style="list-style-type: none"> • Waste Management Facilities • Water and Sanitation



For further information

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