BEST-AVAILABLE-TECHNIQUES (BAT) PROJECT OF THE OECD

12th TFTEI Annual Meeting

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BETTER POLICIES FOR BETTER LIVES

Objectives of the BAT project

- **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



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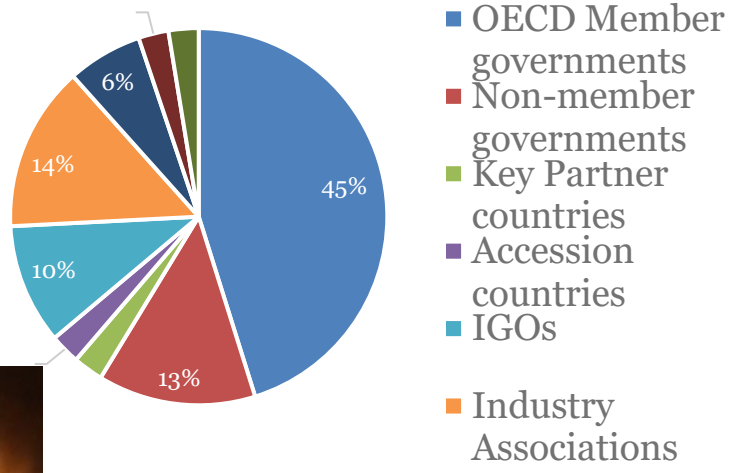
The OECD Expert Group on BAT

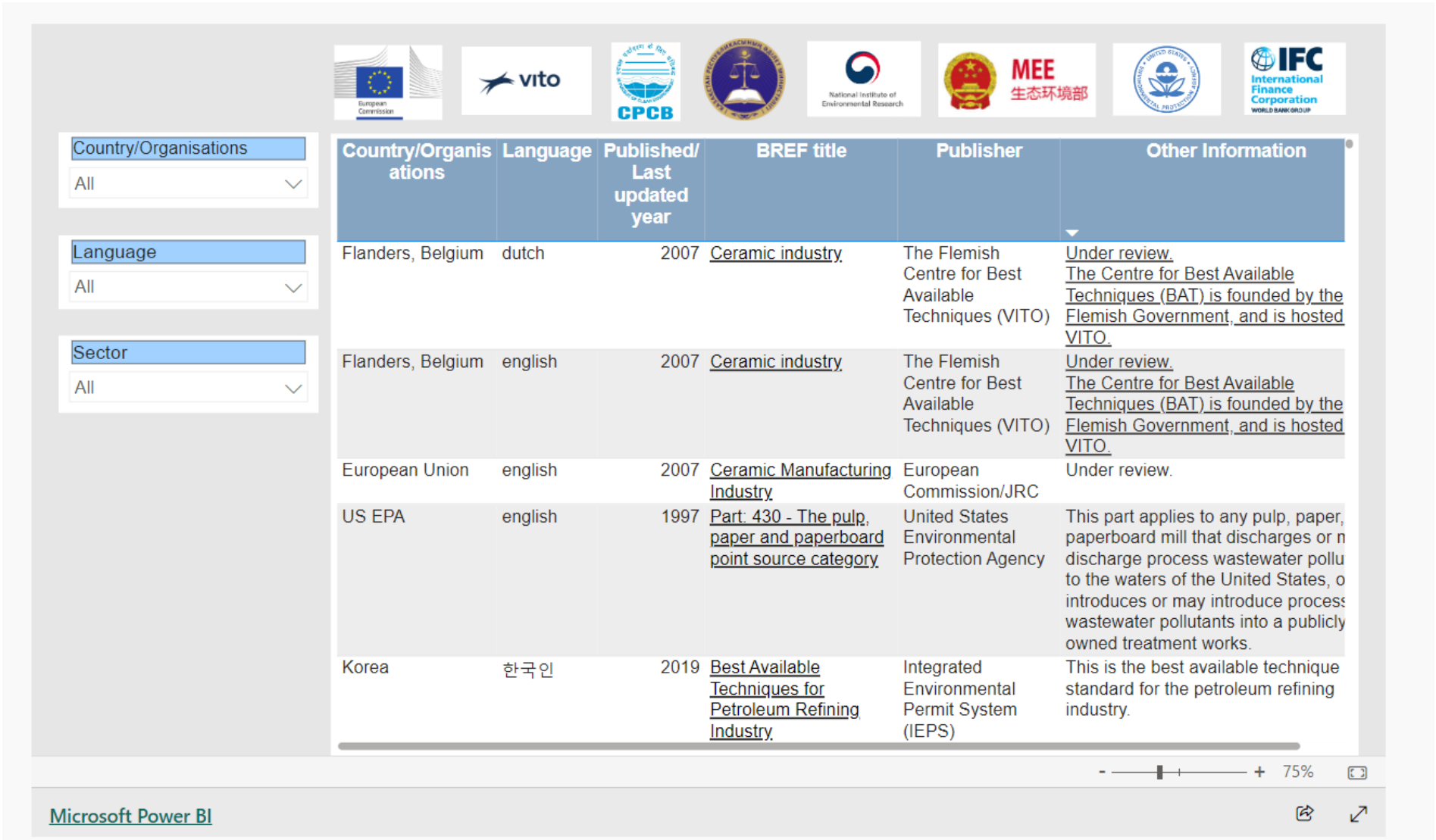
- **Established in 2015,** increased tenfold in size since
- **165 members from 40+ countries and organisations**
- One face-to-face meeting and one interim virtual meeting per year, plus frequent exchanges by email/phone





- **11th meeting of the Expert Group on BAT in 2026 – 8-9 October, Türkiye**

List of BREFs webpage – To be Updated in 2026



Country/Organisations: All

Language: All

Sector: All

Country/Organisations	Language	Published/ Last updated year	BREF title	Publisher	Other Information
Flanders, Belgium	dutch	2007	Ceramic industry	The Flemish Centre for Best Available Techniques (VITO)	Under review. The Centre for Best Available Techniques (BAT) is founded by the Flemish Government, and is hosted VITO.
Flanders, Belgium	english	2007	Ceramic industry	The Flemish Centre for Best Available Techniques (VITO)	Under review. The Centre for Best Available Techniques (BAT) is founded by the Flemish Government, and is hosted VITO.
European Union	english	2007	Ceramic Manufacturing Industry	European Commission/JRC	Under review.
US EPA	english	1997	Part: 430 - The pulp, paper and paperboard point source category	United States Environmental Protection Agency	This part applies to any pulp, paper, paperboard mill that discharges or n discharge process wastewater pollu to the waters of the United States, o introduces or may introduce process wastewater pollutants into a publicly owned treatment works.
Korea	한국인	2019	Best Available Techniques for Petroleum Refining Industry	Integrated Environmental Permit System (IEPS)	This is the best available technique standard for the petroleum refining industry.

75%

Microsoft Power BI

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



[The BAT and PRTR website is freely accessible to the public.]



Phase I (2016-2018)

Act.1- Policies on BAT 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 (2019-2021)

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 (Part I)



Phase III (2022-2024)

Act. 7 - Cross-country comparison of selected BREFs (Part II)

Act. 8 - Capacity building workshops – lessons-learnt

Act.9 - Identifying innovation and ETs for potential BAT determination

Phase IV (2025 – 2027)



Act.10 –Role of BAT in Hydrogen production



Act.11 –Recovery of Secondary Raw Materials (SRM) for Resource Optimisation – metal processing and wood wastes



Act. 12 – Capacity building workshops

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Act.10 – Role of BAT in Hydrogen production



- Assess BAT application in commercial H2 production
  - (SMR, ATR, +CCS, Alkaline & PEM electrolysis)
  - Production stage only
- Comparative BAT review across jurisdictions
  - Environmental challenges,
  - Regulatory preparedness

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Act.11 – Recovery of Secondary Raw Materials (SRM) – metal processing waste and wood wastes



What BAT are used to recover valuable materials from two waste streams while preventing industrial pollution?

Metal waste streams
Scrap, residues and mixed fractions: recovered or upgraded

Wood waste streams
Post-consumer and industrial wood waste: Reuse, recycling or material recovery is technically feasible



Assessment focus:
- Recovery tech.
- Environmental performance – AELs
- Operational conditions
- Challenges & enabling factors

BAT knowledge sharing

Case studies

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Act.12 – Capacity Building

Ukraine

- Webinar
- Permitting Derogation practices
- The UK and Czech Rep.
- 12 February

Vietnam

- Two webinars
  - Country level: 31 March
  - Regional: ~28 April

Armenia

- Webinar
- BAT implementation /roll-out planning
- November

China

- In person Workshop
- BAT-based permitting
- Global exchange
- 2027

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Phase IV: Enabling Industrial Transformation Through BAT

Phase IV addresses emerging priorities for industrial transformation.



Accelerating New Energy Industries

- Hydrogen deployment
- Cleaner production
- Green investment opportunities



Industrial Circularity

- Material recovery
- Resource security
- Reduced waste generation



Knowledge exchange

- Across country learning
- Shared experience and technical cooperation
- Innovation networks

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Any questions or follow-up:

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https://www.oecd.org/en/topics/sub-issues/monitoring-and-preventing-industrial-pollution.html