



# IMPEL WORKSHOP:

## STRATEGIES FOR VERIFICATION OF SELF-MONITORING AND REPORTING ON AIR EMISSIONS"

**OECD's Best Available Techniques (BAT)  
Project**

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Environment, Health and Safety (EHS)/ENV

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## Objectives of the BAT project

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- **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

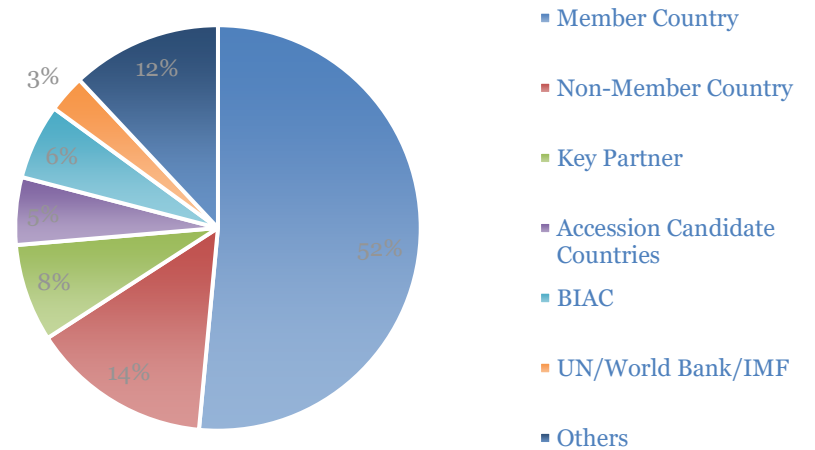




# The OECD Expert Group on BAT

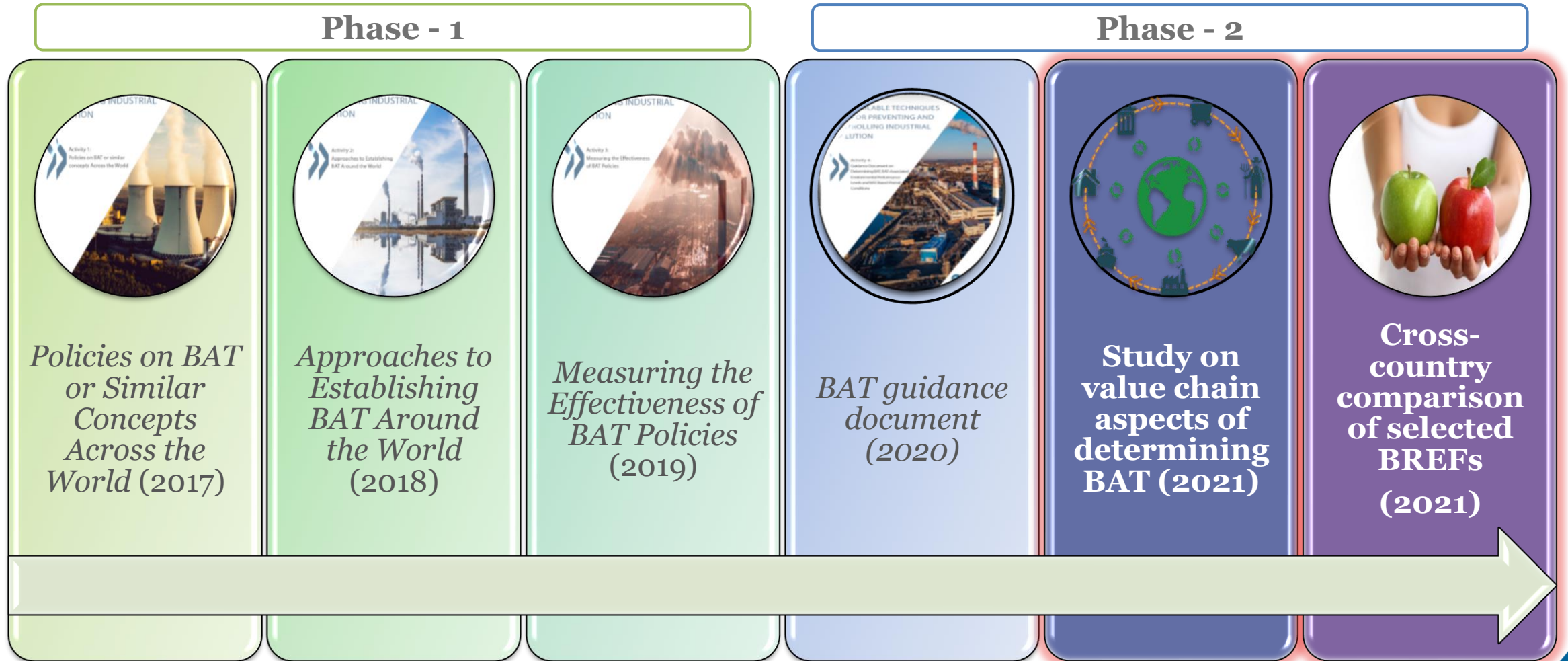
- **Established in 2015** – increased *tenfold* in size since
- **150 members from 40+ countries and organisations**
  - OECD member and non-member governments
  - Intergovernmental organisations: UNECE, UNIDO, IFC, TFTEI, etc.
  - Environmental NGOs
  - Industry associations
- One face-to-face meeting and one webinar per year, plus frequent exchanges by email/phone
- **Fruitful platform** for exchange of best practices, review of OECD research, etc.

BAT Expert Group Composition - 2021





# Deliverables of the OECD's BAT project, 2016-2022

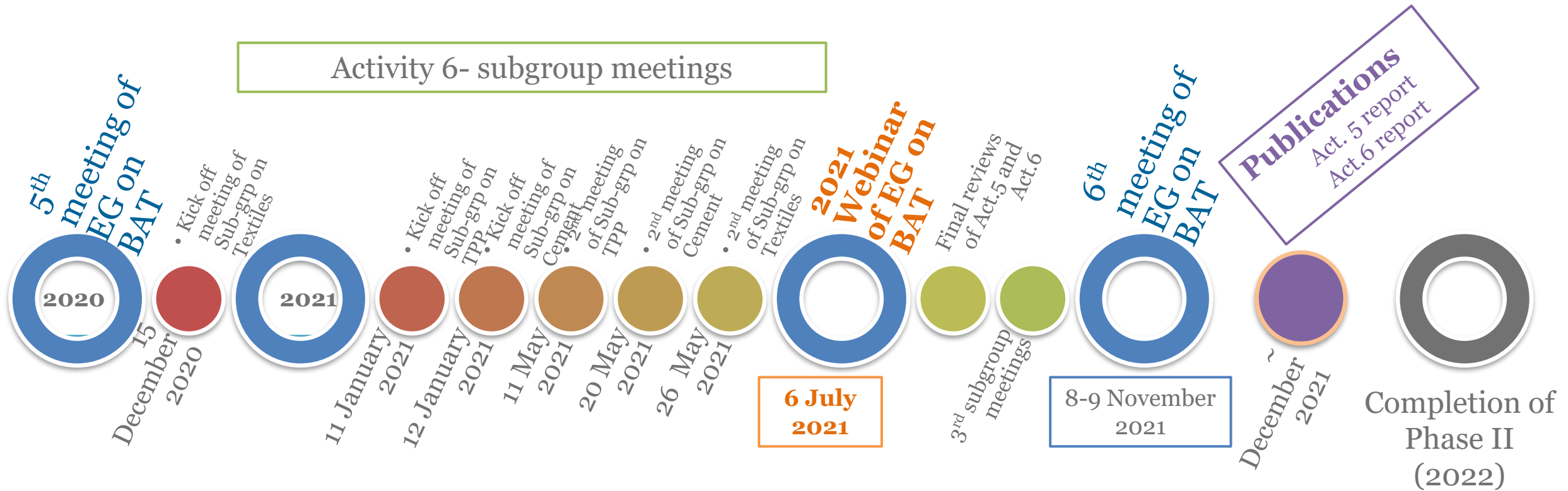


All reports available free of charge: [oe.cd/bat](https://oe.cd/bat)

Four reports also available in Russian



# Timeline of the project over the year





## Act. 6 Cross-country comparisons of BREFs

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- Compare BAT and BAT-AE(P)Ls across countries
  - ❑ Unprecedented, i.e. would bridge important knowledge gap and allow for international benchmarking → helpful for e.g. regulators, export credit agencies, research, etc.
  - ❑ Exchange of information on determining BAT for selected sectors, pollutants, incl. prevention and control tech.
  - ❑ Facilitate harmonisation of BAT-AELs across countries



# Sectors for BREF comparisons

- **Selected Industrial Sectors**

## Thermal Power Plants

Coal and gas-fuelled installations

- Nox
- Sox,
- Mercury
- PM

➤ Carbon Dioxide

### 8 BREFs:

China, EU, India, Japan,  
South Korea,  
Russia, US, IFC-WB

## Cement manufacturing

Emissions to air:

- Nox
- Sox
- PM

### 6 BREFs:

China, EU, India, Japan,  
South Korea,  
Russia, US, IFC-WB



# Cross-country analysis

## Comparative context

### Higher BREF-issues

- Scope – e.g. capacity
- Types – min. stand or guidance, incl. legal status
- Technical depth – single or multi media releases
- Production/update

### BAT techniques

- General BATs
- BATs used for KEIs identified
- Specific BATs – e.g. coal/gas-fuelled

### Emission and performance levels

- Emission & performance levels specified for the identified KEIs
- Associated conditions, e.g. averaging periods where given





For further information

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- [oe.cd/bat](http://oe.cd/bat)
- Berrak Eryasa ([berrak.eryasa@oecd.org](mailto:berrak.eryasa@oecd.org) )

