

TFTEI

Under the Convention on Long Range Transboundary Air Pollution

# Outcome of the 2<sup>nd</sup> meeting of the Clearing House Evaluation Committee (CHEC)

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# Clearing House on Control Technology Information



## □ The TFTEI mandate

*Create and maintain a regional clearing house of control technology information for emissions of SO<sub>2</sub>, NO<sub>x</sub>, VOCs, dust (including PM<sub>10</sub>, PM<sub>2.5</sub> and black carbon), heavy metals and POPs*

*with the aim of being a **reference place for dissemination of information** to the experts of the Parties*

*Technologies = end-of-pipe but also primary measures (raw material management, process)*

# Clearing House – main features

- **Recently** incorporated in the mandate of TFTEI
- CH still at an early stage of development
- CH will be **tailored to the needs** of the experts of the Parties
- CH information will also be available for **stakeholders outside of the LRTAP Convention**. Information is publicly available.
- **Translation in Russian language** will be possible
- The **purpose of the CH** is not to define BATs

# Clearing House – what kind of information?

- The purpose of the CH is
  - **to indicate where the information on adopted BATs is available:**
    - Guidance Documents adopted under the LRTAP Convention
    - Other BAT documents developed under specific legal frameworks
  - **to provide new information** on technologies
    - New information on technologies listed in BAT documents
    - Information on new (emerging) technologies
    - Information on sources which are new and/or not covered in BAT documents
- Input from different stakeholders: equipment suppliers, industrial operators, environmental NGOs, experts from Parties to the LRTAP
- Output desired format: **fact sheets / case studies**

# Clearing House Internet web tool



Its structure consists of two parts:

- ✓ A publicly available part with (1) already available information gathered by the CHEC Secretariat and (2) fact sheets / case studies published following the evaluation by the Clearing House Committee,
- ✓ An exchange platform only available for registered persons/experts (User\_ID and password) for stakeholders which provides information to be further evaluate by the CHEC

# Clearing House on Control Technology Information (CH ToR)

## □ Content

- a. **General information on reduction techniques** for SO<sub>2</sub>, NO<sub>x</sub>, PM, VOC, HM and POP

Updated information on the different ways to abate emissions and on characteristics of reduction techniques (TFTEI TS)

- b. Information on the **latest development on reduction techniques** both for general applications and for specific applications from reduction technique manufacturers

- c. **Operating experience and feedback** from plant operators, to take advantage of lessons learned, have information on decision making process, real life use of techniques and investments and operating costs

# Clearing House on Control Technology Information



## Clearing House Evaluation Committee (CHEC)

Its task consists in **reviewing the information** delivered through the exchange platform before incorporating it in the publicly available part of the clearing house website

A **guidance for delivering information** developed in order to ensure a certain quality in information provided and guide the information provider. This two-page guidance was made available in April 2016.

## Web tool development - Current status of progress

- ✓ **General information** on reduction techniques for SO<sub>2</sub>, NO<sub>x</sub>, PM, VOC, HM and POP:
    - Stationary sources /NO<sub>x</sub>, PM, VOC : implemented
    - Stationary sources / Sox, HM, POPs – Mobile sources: in progress (to be completed before CHEC 3),
  
  - ✓ **Links to other** clearing houses and BAT guidance documents: many information incorporated
  
  - ✓ **Exchange Platform:**  
5 documents provided in the first semester 2017. Four from two equipment suppliers and one from one Party.  
→ These documents have been assessed by the CHEC
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## Links to other CH or BAT documents

### Organisation of the information on the Web site

- 1 - Information from international Conventions and Coalitions
- 2 - Information on general Best Available Techniques and documents on BAT for specific stationary sources
- 3 - Information on general Best Available Techniques and documents on BAT for specific mobile sources
- 4 - Information on BAT implemented in industrial installations
- 5 - Costs of emission reduction techniques
- 6 - Environmental Economics
- 7 – Other information

## Organisation of the information

### **1 - Information from International Conventions and Coalitions**

- ✓ Convention on Long-Range Transboundary Air Pollution (CLRTAP)
- ✓ Minamata Convention on mercury
- ✓ Stockholm Convention on POP
- ✓ Other conventions or coalitions
  - CCAC (in progress)
  - UNEP (in progress)
  - AMAP (in progress)

## Organisation of the information

### **2 - Information on general Best Available Techniques and documents on BAT for specific stationary sources**

- ✓ Best available techniques REFerence documents (BREFs) (European Commission)
  - ✓ Clean Air Technology Center (US)
  - ✓ Finnish resources on BAT (FI)
  - ✓ BAT published by the Nordic Council of Ministers
  - ✓ BAT published by the Russian Federation (RF)
  - ✓ Flemish Knowledge Centre for Best Available Techniques) (BE)
  - ✓ Other resources (OCDE)
  - ✓ World Bank in progress
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## Organisation of the information

### 4 Costs of reduction techniques

- ✓ Economic and Cost Analysis for Air Pollution Regulations (US)
- ✓ TFTEI documents and tools (in progress)

## Organisation of the information

### **5 Environmental Economics**

- ✓ US EPA
- ✓ Defra (UK)

## Organisation of the information

### **6 Information on BAT implemented in installations**

✓ Technology Transfer Network Clean Air Technology Center -  
RACT/BACT/LAER Clearinghouse (RBLC)

(Reasonable Available Control techniques, Best Available Control  
techniques, Lowest Achievable Emission Rate)

## Organisation of the information

### **7 - Other information**

#### **7.1 Emission factors**

- ✓ EEA/UNECE/TFEIP
- ✓ US EPA

#### **7.2 PRTRs (Pollutant Release and Transfer Registers)**

- ✓ The Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention)
  - ✓ OECD's Task Force on PRTRs
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# Communication with equipment suppliers and industrial users

- Outcome of 1st meeting of CHEC: there is a need for a direct approach to equipment suppliers and industrial operators.
- The CHEC technical secretariat initiated a number of contacts with such stakeholders, including:
  - E-mail communication to 175 equipment suppliers and 220 plant operators (DE, AT, CH)
  - E-mails / phone conversations with 50 equipment suppliers (FR, IT, BE)
  - Meetings with European industry associations (cement, glass, electricity, non ferrous metals)



- The CHEC has agreed, after evaluation, to publish the first set of information submitted through the exchange platform. **5 documents will be made available in the public section of the CH soon.**
- These 5 documents address technologies related to NO<sub>x</sub> and VOC abatement.
- Major developments have been implemented into CH internet website. Further developments are planned for next year, including
  - the addition of other existing documents or additional links to other relevant clearing houses.
  - The enhancement of the user-friendliness
- The CHEC has underlined the fact that translation into Russian of the website (including its updates) is key.

# 2<sup>nd</sup> meeting of CHEC

## Main outcomes

### Priorities for the next year

- Extended communication with possible information suppliers (equipment suppliers and industrial operators) has allowed **to identify barriers which hamper information sharing**.
- Further activities are envisaged to convince possible information suppliers to participate in the information exchange platform, including:
  - additional meetings with technical associations are already planned,
  - conferences with an active participation of equipment suppliers have been identified,
  - the 5 documents that will be published soon will also be used as examples
- It is expected that two stakeholders will submit information on the exchange platform before the end of 2017.