



# Clearing House on abatement technologies

Emmanuel FIANI  
(ADEME – French Agency for Environment and Energy Management)

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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



- **Recently** incorporated in the mandate of TFTEI
- CH at an early stage of development
- CH will be **tailored to the needs** of the experts of the Parties
- **Translation in Russian language** will be possible
  
- The **purpose of the CH is not to define BATs**



## Clearing House



- 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
- Possible format: **fact sheets**
- In addition, there is a need to provide a more interactive process when targeted questions are raised by experts of the Parties.



## Clearing House on Control Technology Information



### 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 (TFTEITS)

- 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

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### Go to the web site

- ✓ <http://tftci.citepa.org/en/forum/index>

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### Structure for stationary sources

- ✓ SO<sub>2</sub>
  - a. General information with links to useful websites
  - b. Latest development
  - c. Experience feedback
- ✓ NO<sub>x</sub>
- ✓ PM (including black carbon and HM)
- ✓ VOC
- ✓ POP

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### Structure for mobile sources

- ✓ Light duty vehicles
- ✓ Heavy duty vehicles
- ✓ Non road machineries

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## Clearing House on Control Technology Information



### ☐ Organisation of the clearing house website

Two parts:

- ✓ A **publicly available part** with information checked
- ✓ An **exchange platform** only available for registered persons

### ☐ Exchange process of information

- ✓ Information coming from plant operators and equipment suppliers provided through the **exchange platform**
- ✓ From this platform, interesting information made publicly available after **evaluation by a committee : clearing house evaluation committee**

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## Clearing House on Control Technology Information



### Clearing House Evaluation Committee (CHEC)

Committee is now set up.

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 circulated within TFTEI on 6 April.

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## Clearing House on Control Technology Information



### Clearing House Committee

#### Composition

15 organisations are registered (industrial federations or Parties).

More organisations are welcome

#### Envisaged sequence of meetings

- a. One meeting per year, held back-to-back with TFTEI plenary meeting
- b. One meeting via phone conference every three months
- c. Preparatory work will be mostly carried out electronically

Kick-off meeting of the CHEC was held on 19 May 2016.



## 1<sup>st</sup> meeting of CHEC – 19 May 2016



### 11 participants

Nadine ALLEMAND, TFTEI secretariat.

Jean-Guy BARTHAIRE, France

Nicolas CARAMAN, EDF

Emmanuel FIANI, France

Petra HAGSTRÖM, Sweden

Katja KRAUS, Germany

Carmen MAYER, TFTEI secretariat

Tiziano PIGNATELLI, Italy

Kristina SAARINEN, Finland

Nadia TAIEB, TFTEI secretariat

Paul TEMPANY, European Commission



## 1<sup>st</sup> meeting of CHEC – 19 May 2016



### Objective of the meeting

To have an open discussion on the review process.

No discussion was held on submitted information.

#### 1. Structure of the website

CHEC found that the structure was appropriate.

The opportunity to revisit the website structure will be assessed when sufficient information is online.

#### 2. Sequence of meetings

CHEC found that the sequence was appropriate.

One focal point per registered organisation. Participation in the meetings opened to experts invited by focal points, if needed on specific technical issues on the agenda.

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## 1<sup>st</sup> meeting of CHEC – 19 May 2016



### 2. General information on reduction techniques

Apart from the Guidance Documents developed under the LRTAP Convention, a number of documents developed under specific legal frameworks were discussed:

- EU BREFs,
- Russian BREFs,
- Official documentation and data bases available in the USA,
- World Bank BAT guidelines,
- Nordic Council of Ministers BAT guidelines,
- BAT guidance documents under the Minamata Convention (which uses the concept of multi-pollutant control) and under the Stockholm Convention.

Besides, an initiative has recently been launched by OECD on the BAT concept worldwide.

The CH website will provide web links to these documents. A short text will introduce these web links in order to present the corresponding documents in an easy-to-understand way.

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## 1<sup>st</sup> meeting of CHEC – 19 May 2016



### **3. Assessment of information on abatement techniques (provided by equipment suppliers or industrial operators)**

The guidance is considered to be a good starting point to gather relevant information on technologies.

Traceability of the provided information is a key aspect.

In some cases, there may be the need to address combinations of techniques.

Abatement techniques which allow for emission reductions comparable to what is achieved on the market, taking into account cost aspects.

Information will be assessed on a case-by-case basis.

References are expected from all parts of the UNECE region.

At least in the first year, there is a need for a direct approach to equipment suppliers and industrial operators. This may require extra resources but is considered key for first inputs.