

Für Mensch & Umwelt

Umwelt  
Bundesamt

## 2<sup>nd</sup> Annual Meeting of the Task Force on Techno-economic Issues

Workshop to Promote the Understanding and Implementation of BAT across the entire UNECE region with focus on countries in the EECCA region



Foto:Malitz

Katja Kraus, Umweltbundesamt (UBA), katja.kraus@uba.de

## Workshop Facts

- Held in Berlin, Germany, from 20 to 22 April 2016
- Organisers: TFTEI, EU Commission, Federal Environment Ministry Germany and UBA
- Funded by EU Commission, Sweden and Germany
- Simultaneous translation; English-Russian
  
- 60 participants:
  - from 23 countries
  - EU COM, UN ECE Secretariat, UN ESCAP
  - 4 industrial organisations



Foto:Malitz

## Background and Reason for the Workshop

- Considerable reduction of air pollution in UNECE region but uneven regional development and slow progress
- Increased energy production, industry growth and urban development in the EECCA region lead to increased emissions
- Slow progress in implementation of UNECE LRTAP protocols

### What was it about?

- To learn from different BAT approaches in different parts of the UNECE
- Improve the understanding of the concept of BAT and its application
- Different perspectives of application and implementation (competent authorities, industry, BREF author)
- Discussion of obstacles of implementation

## Sessions (1)

- **Session 1 – Different BAT approaches in different UNECE regions**
  - Provisions of the protocols and BAT
  - European BAT approach
  - US performance standards
  - The new Russian BAT approach and integrated permitting
- **Session 2 – Dissemination of information and communication on BAT**
  - The Clearinghouse on technologies
  - Information on stationary and mobile sources
  - Features of the internet-based platform
    - Collection of links
    - Information on new and emerging techniques
    - Interactive platform for questions and answers

## Sessions (2)

### ▪ Session 3 – BAT for priority sectors identified in the EECCA countries

- Introduction to BREF documents for different sectors:
  - Iron and steel,
  - non-ferrous metals processing,
  - processes using VOC
- The new Guidance document on mobile sources (adopted in May 2016)
- Actual permitting practice
  - technical description,
  - Requirements and ELVs,
  - monitoring

### ▪ Session 4 – Power plants

- Requirements coming from HM protocol and Gothenburg protocol
- Short history of developing the EU LCP BREF document
- Trend for mercury monitoring towards continuous monitoring
- TFTEI methodology for calculating costs of abatement techniques/ application in a plant in Russia

## Sessions (3)

### ▪ Session 5 – Activities in the EECCA region to facilitate the implementation of BAT

- Successful examples from cooperation projects
- Workshops on GAINS modelling in the EECCA region
- Experience from Serbia which led to ratification of HM and Gothenburg Protocol
- Answers from the questionnaire for countries in the EECCA region
  - Experience and information sharing
  - BAT centre development in EECCA countries,
  - Capacity building and technical support for implementation of the BAT concept (gap analysis of existing legislation, ELVs development, integrated permit , enhance institution and administration capacity, pilot project in plants),
  - Financial support in general, financial support for developing demonstration project,
  - Technology transfer
- Most countries in the EECCA region intend to ratify some or all protocols; some by 2018 or 2019, some possibly longer.

## Round Table Discussion and Recommendations (1)

### ▪ Round table discussion

- Representatives of the countries reported on the situation in their country (synopsis of where they stand)
- What could be the role of TFTEI in the process of introducing BAT and integrated permitting
- Good basis for decisions where projects (and what kind of projects) and workshops could be purposeful and helpful



Foto: Malitz

## Round Table Discussion and Recommendations (2)

### ▪ Recommendations

- Promote awareness of policy makers by constructive dialog between decision makers and operators /companies in such a way to promote win/win situations (environment and sustainable production)
- Information exchange platform to be used /complemented with basic information on BAT
- Possibilities for question and answer interchange between experts via the Clearinghouse
- Clearinghouse shall be complemented with other information, such as EU BREF, BAT Conclusions, US EPA database, Russian BAT and other data
- Training and demonstration projects on integrated permitting
- Low level /inexpensive measures below BAT could be explored were practical (BEP)
- Access to permits which have been granted to real installations by competent authorities (links on the website of the Clearinghouse)
- Develop guidance for a permitting procedure (guidance for operators as well as for authorities)
- Include information on mobile sources (guidance document and links on TFTEI website)