

**Umwelt  
Bundes  
Amt**



**Für Mensch und Umwelt**

**D E H S t**

**Deutsche Emissionshandelsstelle**

**German Emissions Trading Authority (DEHSt)  
at  
Federal Environmental Agency  
XML-Interface (XETL-Language)**

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EU ETS Compliance: the Way Forward

10<sup>th</sup>/11<sup>th</sup> September 2008, Brussels

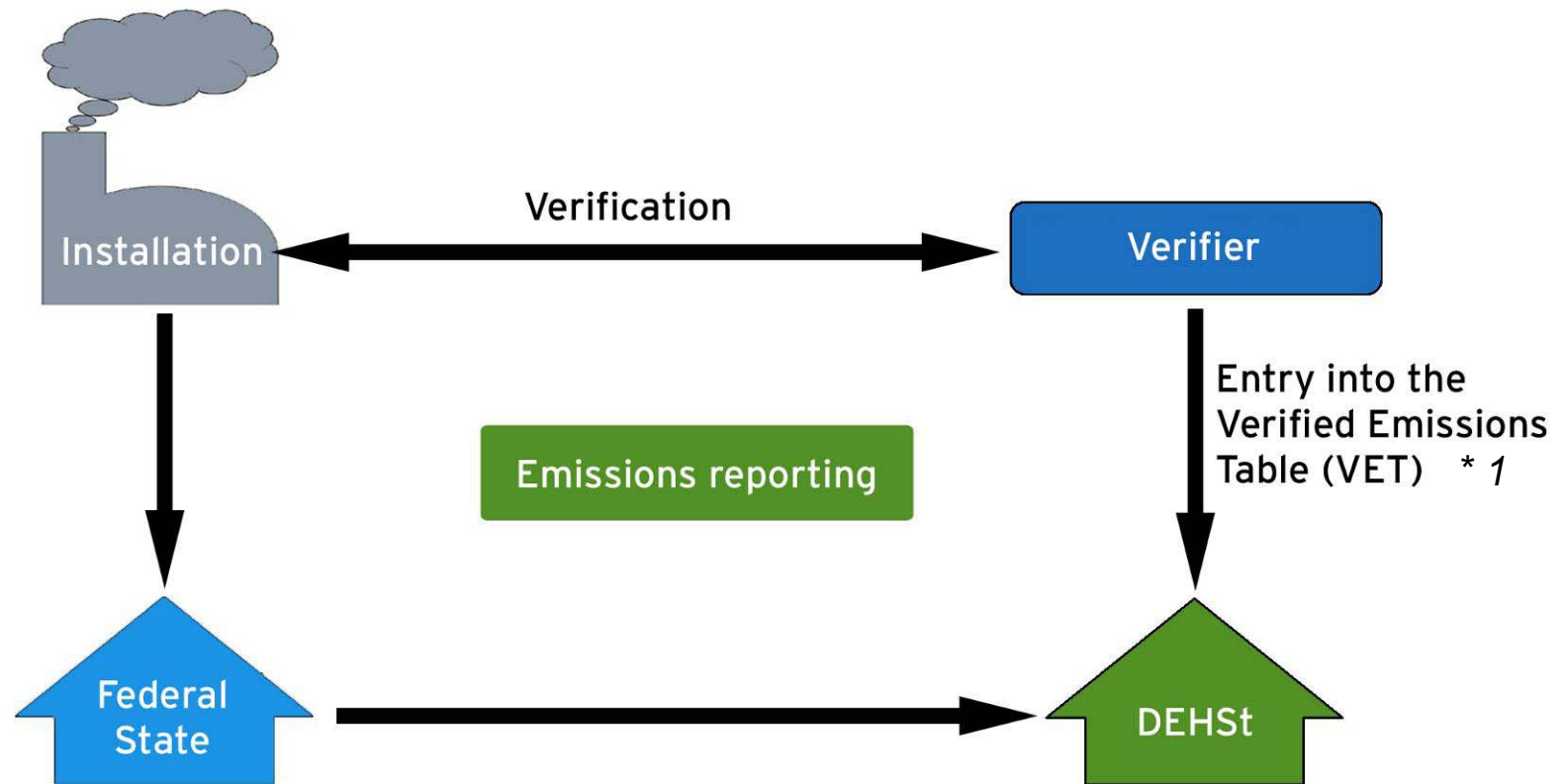
## Outline

- **General Conditions for Electronic Workflow in Germany**
- Electronic Communication
- XML-Interface
- Perspectives

## Actors of Emissionstrading in Germany



## General Conditions in Germany: Emissions Reporting; Workflow



*Communication Workflow of Emissions Reporting according to TEHG*

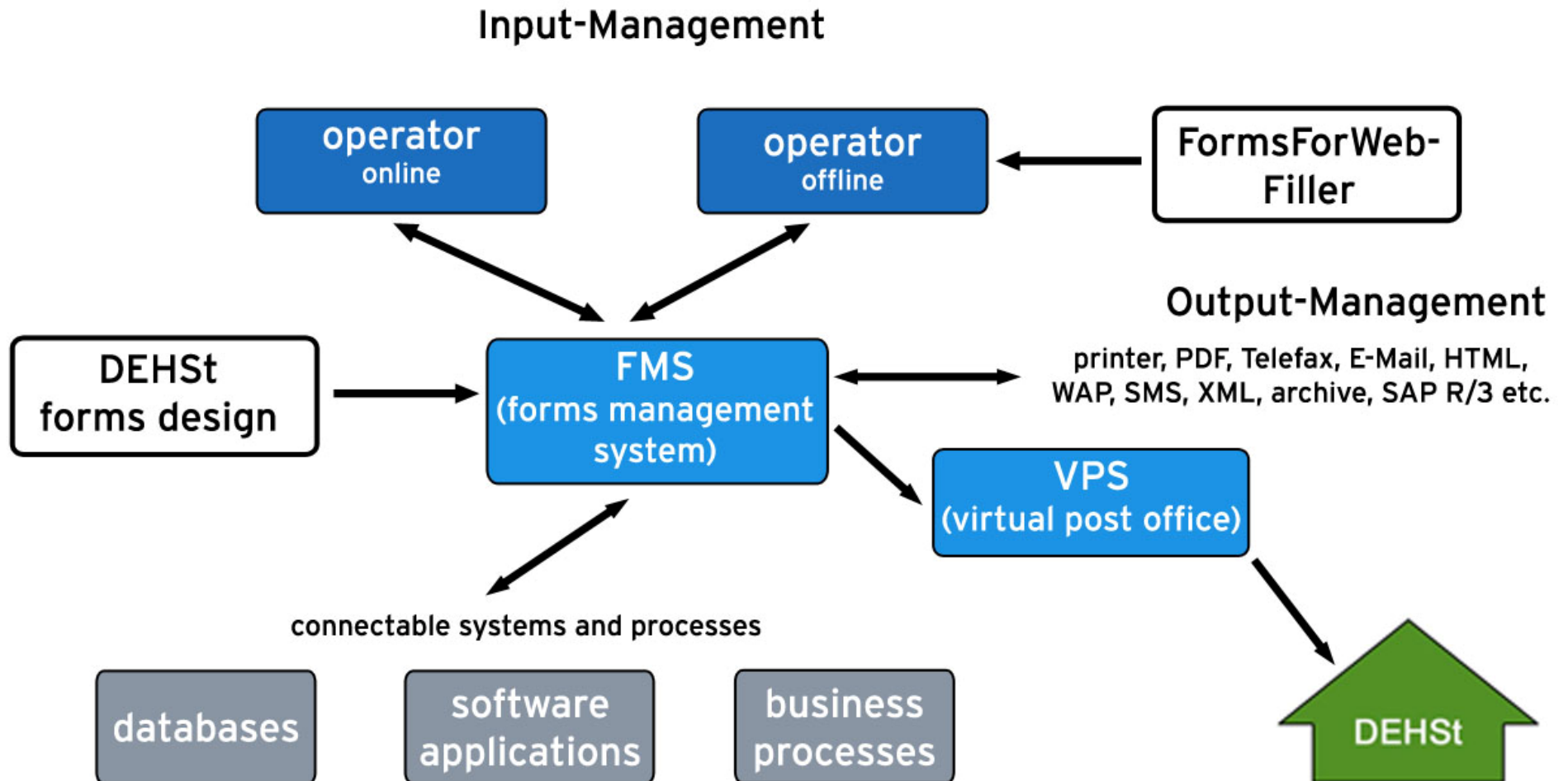
*\*1 effective from 2008 direct entry into the Registry*

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## Data Collection; Form-Management-System (FMS)



## Data Collection; Form-Management-System (FMS)

- Form like implementation of data entry screens
- Different roles for users are realised
- Publication of XML-interface definition
- Export of different formats; parallel XML and PDF
- Import of datasets according to the XML-definition
- Serverbased system with web-access




# Formular-Management-System

DEHSt - Emissionsberichterstattung (Deckblatt) - Microsoft Internet Explorer bereitgestellt von Umweltbundesamt

Datei Bearbeiten Ansicht Favoriten Extras ?  
 Zurück Suchen Favoriten

Adresse: <https://www.emissionsbericht.dehst.de/ffw/catalog/browseDataWizard.do>

DEHSt | Kontakt | Impressum | Benutzerhandbuch | Glossar



 75%

Monitoringkonzept hinzufügen

- Deckblatt
  - Anlage
    - Anlagenteil (KWK-Kessel1)
    - Monitoringkonzept (1)
      - Berichts-anlagenteil (Bericht für Brennstoffstrom)
        - Brennstoffstrom (1 a)
        - Brennstoffstrom (2 a)
      - Zusammenfassung
    - Verifizierung

**Bitte überprüfen Sie:**

Verifizierung  
→ Ein Wert ist erforderlich!



## EMISSIONSBERICHT NACH § 5 TEHG

### Angaben zur Anlage

Name des Betreibers: Fernwärme GmbH (FW)

Name der Anlage: Fernwärmekraftwerk Kassel (FKK)

Bundesland: Hessen

Nummer der Betriebsanlage: HE\_1460001\_611\_002

Standort der Anlage: Kassel

### Angaben zum Bericht

Bevollmächtigter für die Versendung des Berichts: Bert

Treiber:

Berichtszeitraum: von 01.01.2005 bis 31.12.2005

Datum des Berichts: Versionsnr. des Berichts 1a

Der Bericht wird folgender Landesbehörde übermittelt werden: HH - Behörde für Stadtentwicklung und Umwelt

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## XML-Interface

- Professionally and scientifically definition is made according to the Monitoring Guidelines
- Specific German needs are introduced
- Mixture of monitoring concept and report
- No special effort was made to define a common xml-dialect
- Standard structures of FMS-system are used; form based elements
- E.g. address definition is taken over from the German standard xDOMEA for document exchange

## XML-Interface

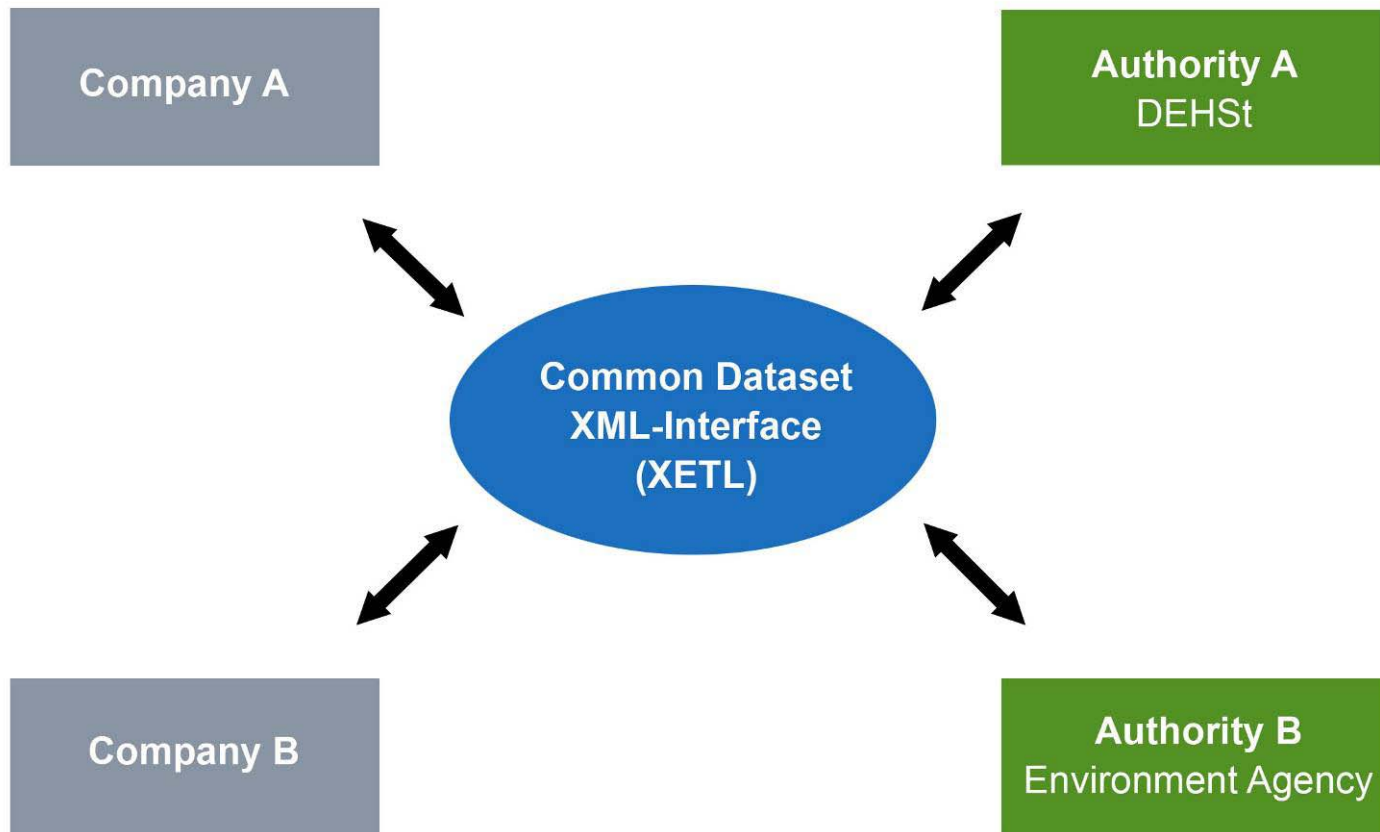
Lessons learned:

- Companies like RWE and E.ON are using the chance of XML-Interface
- 3 German and 1 Polish software engineering companies have developed software applications supporting the XML-interface
- Modifications of XML-Definition could be handled very easy
- XML-datasets of former years were used as a basis for updating annual emissions reporting

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## Perspective





## Perspective

- Definition of a Common Dataset;  
Thesis: Monitoring Guidelines have to influence the XML-Definition not the different software applications!
- Basis: UK ET-SWAP-System, DEHSt-System,  
US EPA reporting program (AirDEx)
- Different Systems must implement a Interface
- Dialect of XBRL (extensible Business Reporting Language)
- Form a Steering Group
- Use of Common Dataset has to be introduced as legally binding to ensure compliance (appendix of Monitoring Guidelines)

**Thank you for your attention**

**Dr. Thomas Bigalke**

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