Future simplifications through use of e-reporting

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Today

- Benefits information technology (IT) can bring
- EU ETS information technology questionnaire 2017 feedback
- Further IT simplification and expected benefits that can be realised through adoption of file format specifications

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Benefits that information technology can bring

- ➔ Electronic data exchange formats: templates or file format specifications, ensure a common approach to MRV
- ➔ Improved quality of all the relevant process documents
- ➔ Completeness, all users meeting same reporting requirements
- ➔ Consistency by either using direct published approaches or by at least containing the same information (equivalence)
- ➔ Enables comparability with others over time
- ➔ Improved transparency to verifiers

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Benefits that automated information technology can bring

- Does repetitive tasks very well, can be smart about it

- Systems are attentive and diligent doing repetitive tasks

  - Completing Annual Emission Reports is a repetitive task, updated each year, let the IT take the strain

- Faster communication, the ease of electronic storage and the protection of records

- Widely used, by operators and competent authorities across the world, logical to promote future automation

- IT workflows ensure tasks are completed at the correct time during the current compliance cycle

EU ETS information technology questionnaire 2017 to Member States (MS)

- **Thank You to all who participated**
- **31 responses received**
- 99% are using IT in some form
  - Templates
  - File format specifications
  - Adoption of workflow blueprint
  - DECLARE file management workflow
- The findings show one IT solution, does not fit all
  - How can we harmonise further?
- DECLARE findings will be presented on Day 2

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Questions itemised in the EU ETS IT questionnaire 2017

- ➔ Item 1 Current status under Article 74 (EU ETS Monitoring and Reporting Regulation) electronic data exchange formats

- ➔ Item 2 Current status under Article 75 (EU ETS Monitoring and Reporting Regulation) use of automated systems

- ➔ Item 3 Q*uestions for those DECLARE MRV users and all involved in pilot testing of DECLARE MRV*

- ➔ Question on future IT prioritisation

- ➔ Item 4 To deliver consistency and efficiency gains
  - ➔ Through strengthening current regulation or mandating the use of IT/FFS

MS feedback on items 1 & 2 in the IT questionnaire 2017

- ⮕ 5 MS have sophisticated systems covering all workflows to which operators, CAs and verifiers have access
- ⮕ 11 MS have a partial IT system ranging from systems that do not cover all workflows, are only accessible to certain parties, some are an internal IT system only
- ⮕ 4 MS have an integrated system (either with other environmental reporting, environmental permitting and other systems such as energy producers and company databanks)
- ⮕ 6 MS plan development of IT systems
- ⮕ The majority of MS use the Commission templates or equivalent web form or workflow

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Feedback on items 1 & 2 in the IT questionnaire 2017

- Not all MS require the use of templates a small number use file format specifications (XETL or similar)
- Use of the EU ETS reporting language (XETL) is minimal. A couple of MS indicated they use their own xml based language and not 'essential' to them
- Some MS indicated that if Phase 4 XETL (ready before end of 2018), allows greater consideration for adoption
- 7 MS are considering adopting XETL, 1 states only if mandated; another if others adopt
- Difference of opinion between MS that state they will not use XETL, those who are intending to use it and many remaining unclear on its use; benefit or way forward

Feedback on item 4 in the IT questionnaire 2017

- 9 respondents <u>are in favour</u> of stronger regulatory requirement. 4 respondents are neutral (slightly positive). 12 respondents are not in favour.

- 18 respondents <u>are not in favour</u> of mandatory requirements on **DECLARE**. 4 respondents are neutral (slightly positive). 3 respondents are in favour

- 14 respondents <u>are not in favour</u> of mandatory requirements on **DECLARE or an equivalent system** using XETL. 6 respondents are neutral (slightly positive). 5 respondents are in favour

- 1 MS created general national legislation that requires electronic reporting of administrative documents

Further information

- DECLARE responses will be covered during day 2
- Questionnaire findings to be shared; discussed at future e-reporting task force meeting
  - New members welcome
  - Leave your details on email list next to Poster
- If you have any questions about todays presentation either speak to me directly or you can email myself see the opening of the presentation?
- If you get a moment take a look IT rolling presentation (3 minutes in duration)

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Further IT simplification through adoption of file format specifications

- ⟶ ETS reporting language is often referred to as XETL, defines the content, structure and format of the data to be transmitted, including validation and assertion rules, for the four deliverables MP; AER; IR; VR
- ⟶ Greater adoption of the EU ETS reporting language:
  - ⟶ Improved data quality through defined content, structure and format of data to be transmitted
  - ⟶ Uses assertion, validation rules
  - ⟶ Greater simplification to reporting administration
  - ⟶ Link to other user developed systems
  - ⟶ Much greater harmonisation

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Benefits file format specification adoption can bring

- ➔ Future legislative changes easily accommodated
- ➔ Significant administrative savings, enabling resources to be utilised in other duties
- ➔ Significantly benefits those operators with multiple competent authorities; wide spread operations to report consistently and easily and those with very large data sets
- ➔ Improved quality of data; greater harmonisation to reporting, automated data entry to the same definition
- ➔ Validation and assertion rules can be applied to the data at source
- ➔ Deliver cost savings to future reporting activities.

Items for discussion

- (slide 5) How can we harmonise further use of IT?

- Any questions that arise from the questionnaire that respondents who are not members of the TF may like to answer?

- (slides 8; 11) Use of XETL – those who may be unclear on what it is, or its benefits, are you clearer now?

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Thank you for listening

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