

5th Compliance Conference Break-out session 4: E-reporting



Benefits of using IT and a common language and communication of these: German perspective

Lisa Buchner

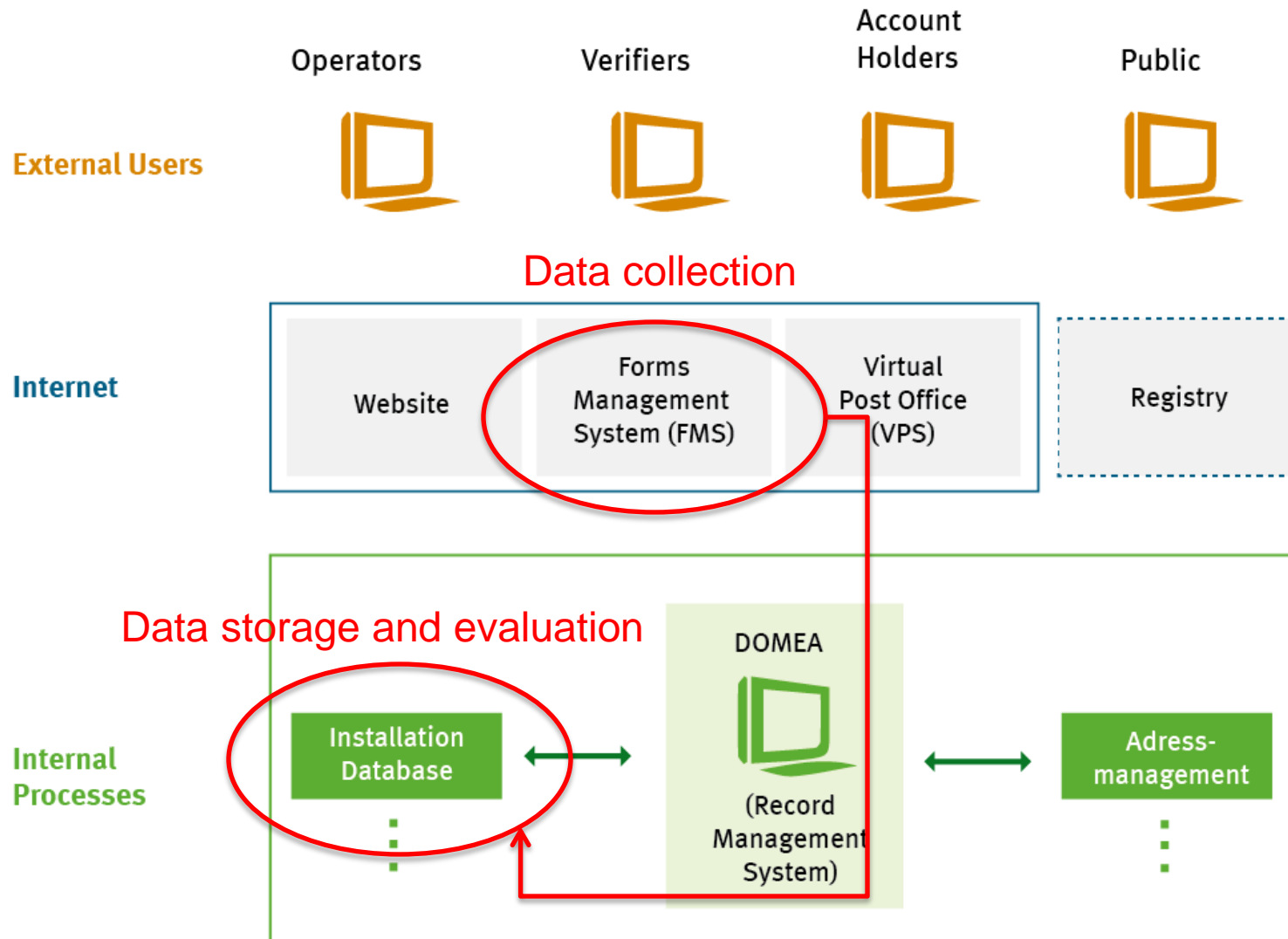
German Emissions Trading Authority (DEHSt)

Scope (Germany)

Installation category	Number of installations in Germany*	Total annual emissions*	
Category C (>500 kt CO ₂ -eq/a)	176	404.7 Mio. t CO ₂ -eq	84 %
Category B (>50 kt CO ₂ -eq/a)	455	58.7 Mio. t CO ₂ -eq	12%
Category A (≤ 50 kt CO ₂ -eq/a) [installation with low emissions, i.e. 25 ...]	1292 [917]	17.5 Mio. t CO ₂ -eq [7.6 Mio. t CO ₂ -eq]	4% [1,6%]

* Updated on 15 May 2014, total: 1.923 installations, VET 2013

IT-Structure DEHSt



IT-System for data collection like German FMS vs. Excel

Functionalities and Benefits

	IT-System	Excel
Right to edit according to different roles (VR included in AER)	✓	–
Web application: Updates in operation	✓	–
Completeness checks and plausibility control	✓	(✓)
Handling of big datasets	✓	(✓)
Intermediate results can be stored at any time	✓	✓
Machine-readable	✓	–
Visualization of entries e.g. pdf (human-readable)	✓	✓
Different persons can work on reports (operator side)	✓	✓
Autonomous registration of users	✓	n.a.
Tooltips	✓	–
Multi-lingual	✓	✓

IT-System for data storage and evaluation like German Installation Database (ADB)





Functionalities and Benefits

- Support for harmonized enforcement → internal quality assurance
 - Supports person in charge in checking the processes
 - Checks automatically data consistency and completeness
 - Statistical analysis (source stream parameters)
 - Documentation of checking results
 - Generate documents for administrative decisions (e.g. approval notification for a MP)
 - Compilation of reports, e.g. reporting to the EU Commission
- Necessary and useful assistance for daily work

DECLARE IT-System

Main elements of DECLARE

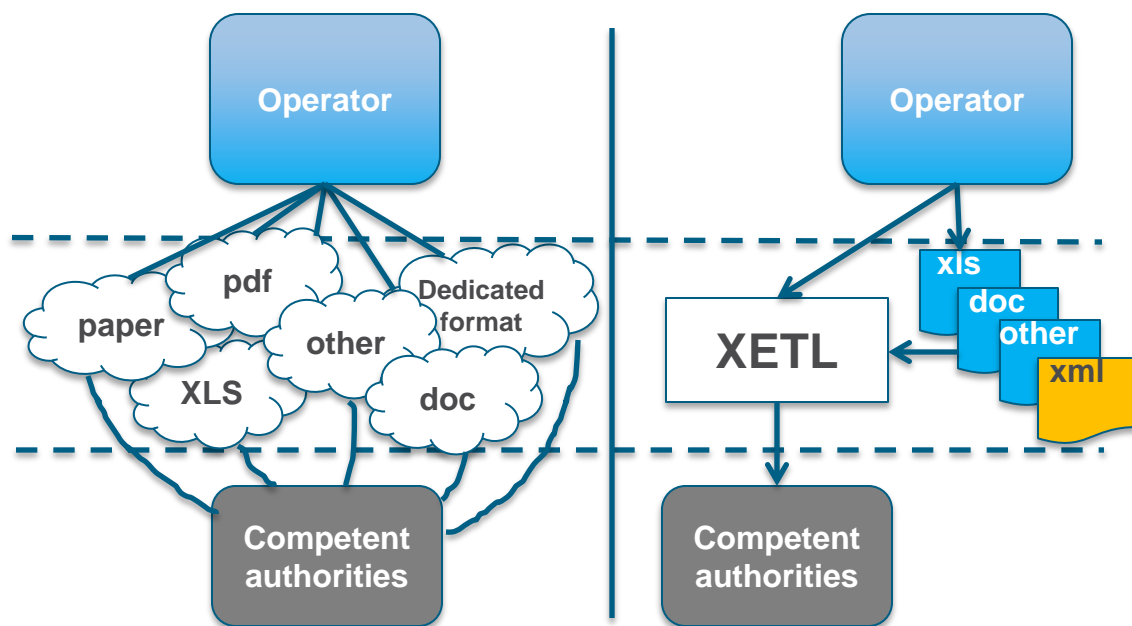
- **Data collection:**
Excel-Templates and XETL
- **Data submission and storage:**
Existing IT-System DECLARE (data enveloped in a file or XML)

DECLARE				
Installation ID	Reference		Action	
14310-0000	AER_2013.xls			
14310-0000	VR_2013.xls			
14310-0001	AER_2013.xls			
14310-0001	MP_2013-2020.xls			
...				

- **Data evaluation (pre-defined statistics, checks and reports):**
to be defined „ETS-Extension“ in DECLARE
- ➔ DECLARE will support basic functionalities like data submission, storage and defined statistics

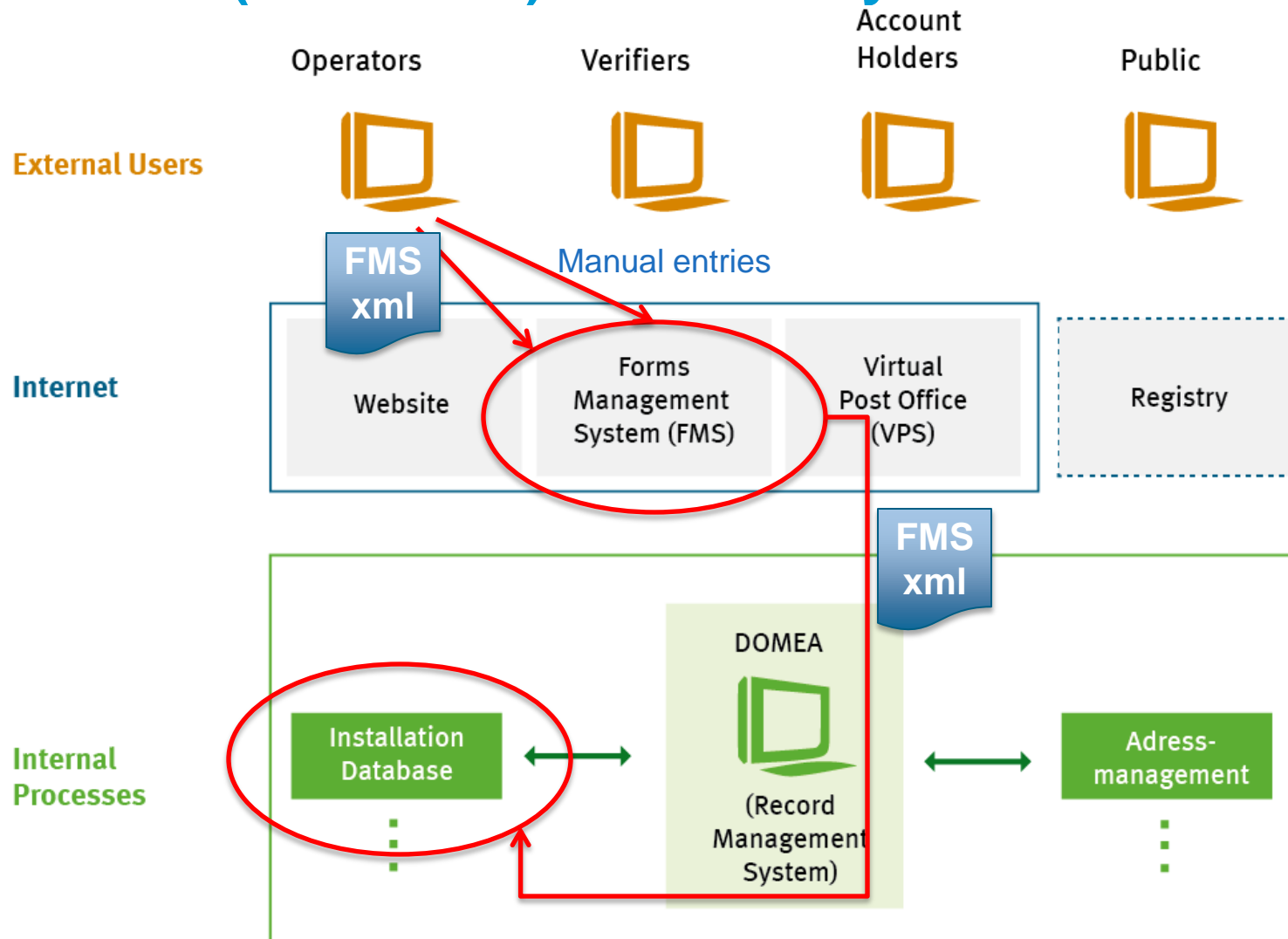
Benefits for using a common language (XML/XETL)

- XETL defines a harmonised and standardised set of data throughout Europe
- Separation between displaying data (e.g. CSS) and content (XML)
→ Any kind of data collection tool (for installation's data) possible
 - Excel templates
 - FMS (DE)
 - ETSWAP (UK, IR ...)
 - Others...



→ Resume for MS with IT System:
Further use of own IT infrastructure possible

Use of XML (FMS-XML) in Germany

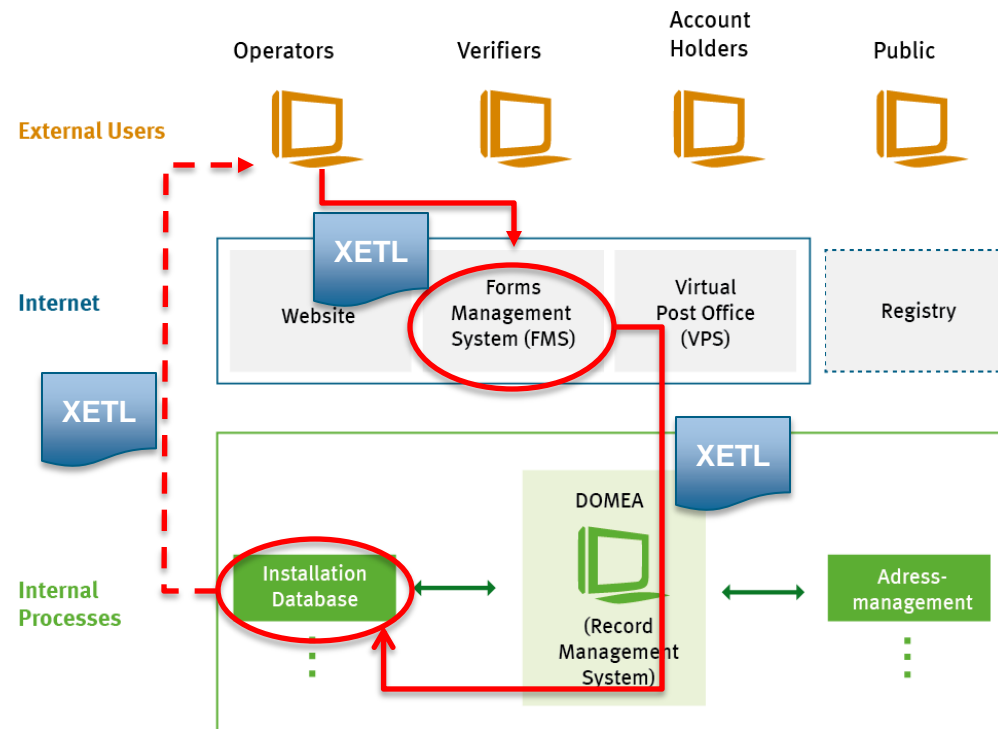


Conclusions

- Yes, using an IT system is of great benefit
- Yes, using common language (XML/XETL) is of benefit

But

- XETL still not fully developed
- High effort for achieving comparability: transformation of FMS-XML in XETL necessary



Thank you for your attention!

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