



Downstream Users of Chemicals Co-ordination group



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The ESCom Package

Standardizing the exchange of Exposure Scenario Information

Johannes Tolls, Henkel AG & Co KG aA
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Questions to be addressed

- **The ESCom Package - What is it?**
- What is it good for / Why has it been made?
- Who did it?
- What do you need to do to make it work for you?
- **The broader picture - Outlook**



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The ESCom Package

- Exposure Scenario Communication = ESCom
- Standard for the electronic exchange of ES information in the supply chain.
- Developed in two projects:
 - ESCom Phrases – Standard phrases for Exposure Scenarios – Developed in CEFIC led project
 - ESCom XML – Electronic exchange standard for Exposure Scenarios – Developed in DUCG led project, Participants: CEFIC, VCI, BDI, IT-Companies (SAP/Technidata, IHS/Atrion, The Wercs, Ariel/3E, Lisam, Kisters, CGI, Safeware, Qualisys, Selerant, UMCO, ESKA ...)
 - Involvement of ECHA to facilitate alignment with CHESAR development.



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ESCom Package - Products

ESCom XML Rel. 1.1 – The Container for ES Info

- XML Schema-definition
- ESCom XML guidance document
- Technical documentation
- Example of an XML-File

ESCom Standard-Phrases - The Content for ES Info

- Master-File with standard-phrases (incl. phrase-codes)
- Guidance document for phrase development

Alle products are freely accessible at

- <http://www.cefic.org/Industry-support/Implementing-reach/IT-Tools/>
- Since 20.5.2011



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Facts about the ESCom Products

- Phrase catalog contains some 1800 phrases.
- Phrases are consensus phrases.
- Phrases are available with phrase codes and metadata (partly).
- Continuous process is installed to adopt additional phrases
- ESCom XML offers more than 160 data fields.
- No possibility to transport free text.



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What are the benefits?

- Automated exchange of Exposure Scenario information replaces manual data entries – avoids retyping.
- Standard Phrase codes facilitate transformation of ES into other languages.
- Standardized exchange of Exposure Scenario information avoids interpretation errors.
- Standardized exchange of Exposure Scenario information leads to steeper learning curve among DUs and **enforcement** bodies.
- Standardised exchange of ES info allows company IT systems to translate the information into company specific lay out without interpretation problems.

Coverage of ESComXML 1.1

- ESComXML covers all possible options for communication of ES for substances and mixtures.
 - Substance: communication of several ES for one substance with various uses. („ES`s for one substance with Y uses“)
 - Mixtures: communication of several ES for various substances with various uses („ES`s for X substances with Y uses“)
 - Mixtures: communication of aggregated ES for mixtures.
- Rules for company decision making on communication, reduction and consolidation of ES information are beyond the remit of ESCom.



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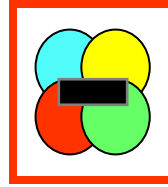


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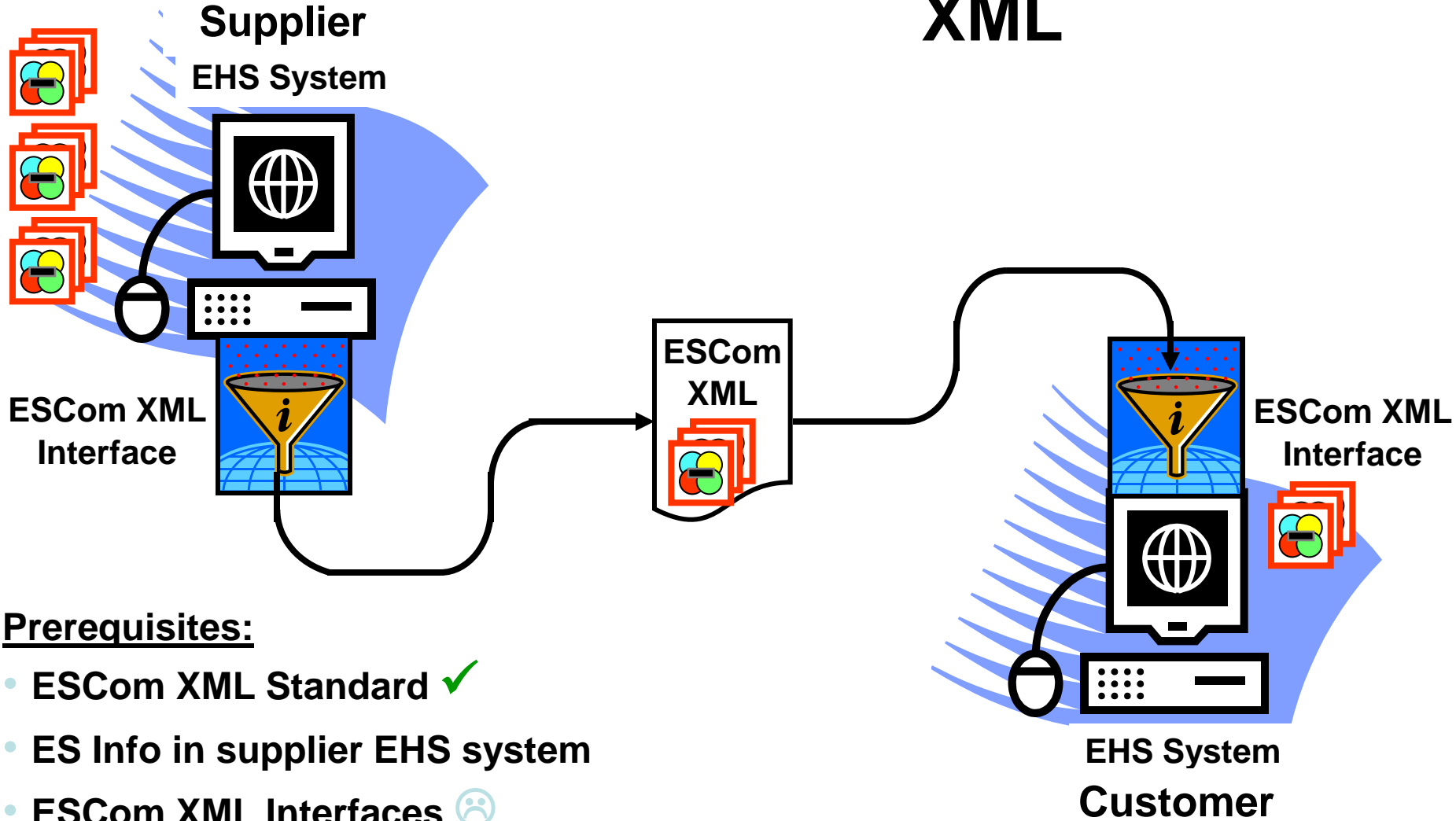
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Transmitting ES Information



via ESCom XML



Prerequisites:

- ESCom XML Standard ✓
- ES Info in supplier EHS system
- ESCom XML Interfaces ☹️

Next Steps

Who	What
Project owner	Establish compatibility of ESCom XML with ECHA's XML concept.
Substance manufacturers	Transfer their ES information into their EHS systems.
Substance manufacturer, Formulators, End users	Express their need for interfaces between EHS-systems and ESCom XML to IT providers.
IT-providers	Program interfaces between EHS-systems and ESCom XML.



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XML for ES at ECHA and ESCom XML

- ECHA have developed XML for ESs
 - Exchange between different CHESAR users
- Alignment between ECHA's XML for ES and ESCom XML – Scheduled for Q4/2011.



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Outlook

- Comprehensive system support will not be available prior to Q3 2012.
- DUCG & CEFIC cooperate in developing available concepts into standard processes:
 - Lead substance identification (DPD+).
 - ES Coverage Check Level 1.
 - ES Coverage Check Level 2 (including scaling).
 - Downstream User Chemical Safety assessment.
 - Providing ES Information for mixtures.
- As long as system support is unavailable, industry will have to
 - set priorities.
 - develop and apply interim solutions.



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Conclusions

- **ESCom XML 1.1 and Standard Phrase package is available**
- **ESCom XML 1.1 can contribute to 'easing' the DU challenges provided SDS IT providers implement it ⇒ Ask your IT provider!**
- **DU challenges are numerous**
- **DUCC & CEFIC WILL CONTINUE THEIR COOPERATION IN WORKING ON REACH IMPLEMENTATION**