
spERCs

Identifying good practice

ECHA project „Assessment of the reliability of spERCs“

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19.11.2014

Overview

- ▶ Project
- ▶ Terms
- ▶ Vision on the use of spERCs
- ▶ Background document
- ▶ Best practice format

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Project

- ▶ Start: May 2014; End December 2014 → results are preliminary!
- ▶ Contractors: Ökopol in cooperation with RIVM
- ▶ Partners: ACEA, ETRMA, EUROMETAUX, FEICA
- ▶ First phase: screening of spERCs → status quo
- ▶ **Second phase: exemplification and identification of best practice**
- ▶ Expected results
 - ▶ spERCs content (pre-requisites)
 - ▶ Best Practice Examples

3

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Terms

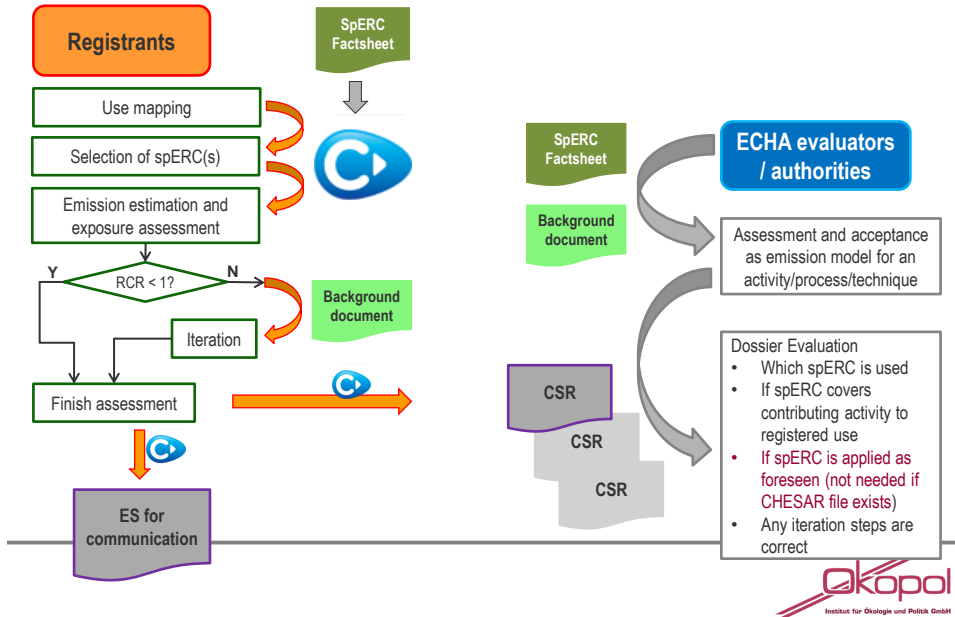
- ▶ **SpERC:** description of OC and RMM connected to one activity/technique/process and corresponding release factors
- ▶ **Sub-spERC:** differentiates release factors of spERC according to substance properties (e.g. vapour pressure)
- ▶ **SpERC factsheet:** documentation of one or several spERCs with same OCs and RMMs (components of mixtures; ERC 4/ERC 5)
- ▶ **spERC background document:** separate document incl. explanation of spERC assumptions and context as well as justifications of quantitative values

4

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Vision on the use of spERCs



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Background document – context of spERC

- ▶ **Aim: support understanding and use of spERCs**
- ▶ May cover one, several or all spERCs of a sector (association)
 - ▶ Information on the (sector and its) uses with focus to activities leading to relevant environmental emissions
 - ▶ Information on used products and their components
 - ▶ State of the art of RMMs in the sector
 - ▶ List of spERCs (factsheets) the document relates to with link to use maps, if possible

Specific content of background document / factsheet

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Background document

- ▶ Process description
 - ▶ **Narrative**, coherent, easy to understand, relevant for env. emissions; highlighting main emission points

- ▶ Release factors
 - ▶ **Justification**: explanation of method, assumptions, calculations, base data etc.

- ▶ Emission days
 - ▶ **Justification** / source

Factsheet

- ▶ Process description
 - ▶ **Enumeration** of specific activities, list of main emission points

- ▶ Release factors
 - ▶ **Values** (differentiated if sub-spERC), indication of derivation method (literature, survey, qualitative)

- ▶ Emission days
 - ▶ **Value**

7

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Specific content of background document / factsheet (2)

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Background document

- ▶ Daily use rates
 - ▶ Value(s) and derivation method / **justification**

- ▶ Obligatory RMMs
 - ▶ Types of measures, **justification** of efficiency; source

- ▶ Optional RMMs
 - ▶ Types of measures, **justification** of efficiency; source

Factsheet

- ▶ Daily use rates
 - ▶ **Value(s)**

- ▶ Obligatory RMMs
 - ▶ **Types** of measures, **efficiency**, **reference** to justification of efficiency

- ▶ Optional RMMs
 - ▶ **Types** of measures, **efficiency**, reference to justification of efficiency

8

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Factsheet - destination of information

Expected information	EA Input	CSR	ES to DU
"Label" for information types in sections	Use for exposure assessment	Use for documentation in the CSR	Use for DU communication

Use of information for EA, CSR and DU communication defined by factsheet
 → compatibility to IT-tools

Factsheet – content (exemplary)

FS Section	Expected types of information
Operational conditions (including information on technical strategies to achieve high raw material efficiency)	Process
	Location of use (indoor / outdoor / indoor and outdoor)
	Degree of containment of the main process (open / closed)
	Water contact (dry / water contact / organic solvent based)
	Measures to achieve efficient use of chemicals affecting emissions to air / water / soil
	Conditions of equipment cleaning
	Conditions of auxiliary processes, if relevant for release
	Wastewater
	Connection to standard municipal STP (yes/no)
	Waste handling
Qualitative info on wastes from equipment cleaning / processing / RMMs and how they are handled	

Experience and results

- ▶ Core discussion on finding the balance between
 - ▶ Standardised and specific information
 - ▶ Being concise and explaining the spERC context and assumptions
 - ▶ Considering the process a “black-box” and providing details on individual processing steps

- ▶ (cross – sector) dialogue started / continued on the differences in understanding the content of SpERCs

- ▶ Project resulted in refined definition of relevant types of OC to be described in a factsheet / spERC, process to continue....

Conclusions

SpERC factsheet

- ▶ “reminds” of expected content to spERC developers
- ▶ provides structure; facilitates standardization / import into IT-tools
- ▶ defines destination of information (EA, CSR, DU ES)

- ▶ Complementary background document to
 - ▶ separate explanation and justification from values
 - ▶ ensure consistency and coherence in explanations/justifications
 - ▶ provide support for iteration

- ▶ Examples
 - ▶ Illustrate „level of detail“ and different styles

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THANK YOU
FOR YOUR ATTENTION