



Feedback ENES 5

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Introduction : ENES



ENES: Focusing on quality of exposure scenarios

ENES 5: 21/22 november 2013

CSR/ES Roadmap

- progress
- new matters arising

CSR/ES Roadmap

SCEDs

ESCom Package

ES Short Titles

Safe use
information for
mixtures



New matters arising

Web based storage of exposure scenarios

- Proposal to allow web based storage to help to target the ES better
- hosted by: “official body”? Company?
- To be clarified whether in line with REACH text

DU ES Conformity Concept and Tool

- ONE tool and same input for scaling and simplified DU CSA
- Mathematical comparison of use conditions DU vs ES
- Alignment on rules to define boundaries of scaling (worker and environment) needed



SCEDs

Specific Consumer Exposure Determinants



Enabling consumer CSAs to be reliable, efficient and consistent

- exposure determinants to be used in exposure models (ECETOC TRA, Consexpo, ...)
- provides a transparent and justified basis for a description of consumer uses
- tool to facilitate realistic exposure estimates for a broad range of consumer products



Action area 2 : Information inputs for the chemical safety assessment

Action 2.1 Action 2.2 Action 2.3
Action 2.4 **Action 2.5** Action 2.6



SCEDs

- **Already available for a limited number of sectors of use**
 - **Emerging reality – those sectors not yet started are invited to do so**
- **A shortage of SCEDs doesn't devalue the SCED activity**
- **This is the first generation of SCEDs - review/revision is likely necessary in future**
- **ECHA is enabling the use of SCEDs in Chesar 2.3**



ESCom Package

ESCom package = ESCom phrase catalogue + ESCom XML



Harmonised and standardised communication on ES throughout the supply chain

- **ESCom phrase catalogue: a catalogue with standard phrases for ESs for communication (lead: industry)**
- **ESCom XML: IT communication standard to harmonise ES data exchange between computer systems in the supply chain (lead: IT providers)**

CSR/ES Roadmap

Action area 3 : IT tools and standardisation

Action 3.1

Action 3.2

Action 3.3



ESCom Package

- **ESCom phrase catalogue**
 - Alignment with the EuPhraC Working Group (European Phrase Catalogue)
 - Joint workflow for processing phrase proposals developed
 - Submission new phrase proposals:
GOTO <http://draft.euphrac.eu>
 - Revised phrase catalogue expected in spring 2014
- **ESCom XML**
 - Agreements on IP-rights in the signature process
 - Release of ESComXML 2.0 specification likely in Q1.14
 - Apart from xml format, there is a need to develop software allowing the exchange of the phrases in the xml. Development only starting.



Exposure Scenario Short Titles



Support downstream users to identify those ES that are relevant for their activities

- To be used to generate a *harmonised, concise and clear table of content of ES annexed to a SDS* which is readable by humans but also allows IT processability
- Consisting of 3 identifiers
 1. life cycle stage (eg. use at industrial sites)
 2. market sector information (eg. cleaning agents)
 3. (additional relevant information (eg. spray))

CSR/ES Roadmap

Action area 4 : Support to formulators

Action 4.1 **Action 4.2** Action 4.3
Action 4.4 Action 4.5 Action 4.6



Exposure Scenario Short Titles

- **Further developments**
 - Further testing and discussion needed: **VOLUNTEERS?**
 - Mid-term: update Use Descriptor system
- **Gradually approach on developing and assessing**
 - Company level
 - DU Sectors
 - Registrants: joint CSR
- **Building of ES short titles may lead registrants to re-consider the original scope of ES**
 - Consistency between CSR en information in the supply chain
 - Short title applicable to all contributing scenario's



Safe Use Information Mixtures

How to define and communicate information on safe use of (substances in) mixtures?



Derive a common framework for making use of the ES information for the safe use of mixtures - identify and promote good practice

- Lot of challenges
- Practical solutions to communicate relevant exposure scenarios information for substances in mixtures are being developed
- A need to map, exemplify and compare the different methods in a systematic way

CSR/ES Roadmap

Action area 4 : Support to formulators

Action 4.1 Action 4.2 Action 4.3

Action 4.4 Action 4.5 Action 4.6



Result of a First Mapping Exercise

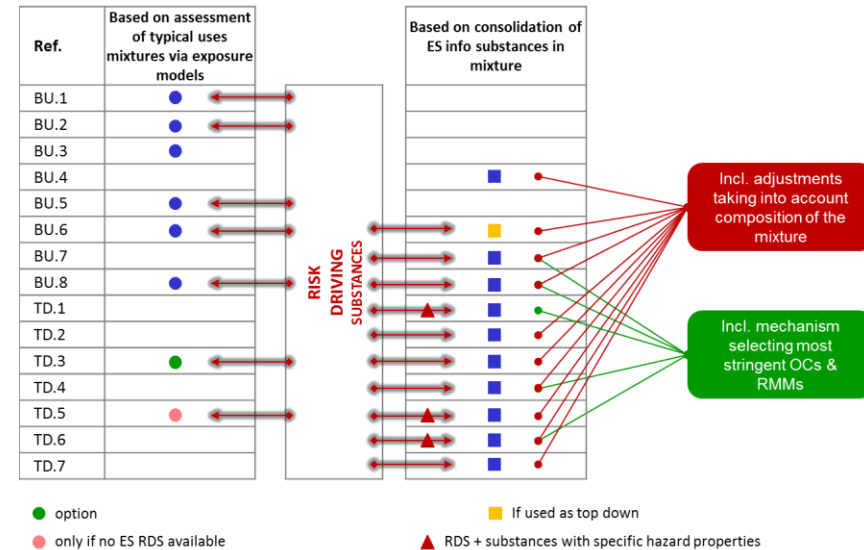
Developer	Bottom up?	Top down?
FEICA	↑	
ATIEL/ATC	↑	
CEPE	↑	
NVZ/A.I.S.E.	↑	
INFRA	↑	
Jongerius/Caesar Consult	↑	OR ↓
Resins Technical Platform	↑	OR ↓
Plastics Europe / EUPC	↑	
FECC		↓
Ecomatters & TNO Triskelion		↓
essenscia	↑	OR ↓
Zschimmer & Schwarz		↓
VCI/Cefic		↓
BASF		↓
Axalta PC		↓

- **15 approaches mapped**
 - not an exhaustive compilation of methods, nor a ‘positive list’ of applicable methods
- **2 main approaches**
 - **Bottom up (“mixture use” based)**
 - Safe use info via (re-)assessment of (risk driving) substances taking into account the uses of the mixture
 - Typically sector specific
 - Covering vast majority of sector specific products and uses
 - **Top down**
 - Safe use info via consolidation of ES-info from (risk driving) substances + adjustments taking into account the concentration of substances in the mixture and OC/RMM for mixture use
 - Typically more general approach
- **Practice: combination of both**



Some conclusions

- No 'one size fits all' method, all methods have their remits and both 'top-down' and 'bottom-up' can be envisaged
- A lot of effort has been already be invested by industry in the development of methods and approaches - further testing is needed to gain more experience using the methods
- Safe use info is aligned with characteristics and uses of mixtures and safe use conditions often need to be adjusted to them
- Boundaries of scaling need to be defined on solid technical basis and transparent scaling approaches established
- Many more similarities than differences in the approaches





Way Forward to ENES 6 ...

- **Share experiences, clarify and bring together the best out of the different approaches**
- **Development of a uniform work flow to identify risk driving substances**



Questions

