

Improving supply chain communication for substances and mixtures: activities under the CSR/ES Roadmap

Cefic/VCI Workshop: Safe Use Information for Mixtures under REACH and the LCID Methodology

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Brussels

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Content

- Recap on CSR/ES Roadmap
 - Purpose
 - Who's been involved
- Outputs from CSR/ES Roadmap
 - Links with safe use information for mixtures
- Key messages

CSR/ES Roadmap: Recap – What?

- Cross-stakeholder plan of actions:
 - To increase the understanding among the actors in the chemical supply chain
 - To develop methods, processes and tools to facilitate the efficient and useful communication of use and exposure information up and down the supply chain.
 - Task-specific Working Groups / Task Forces

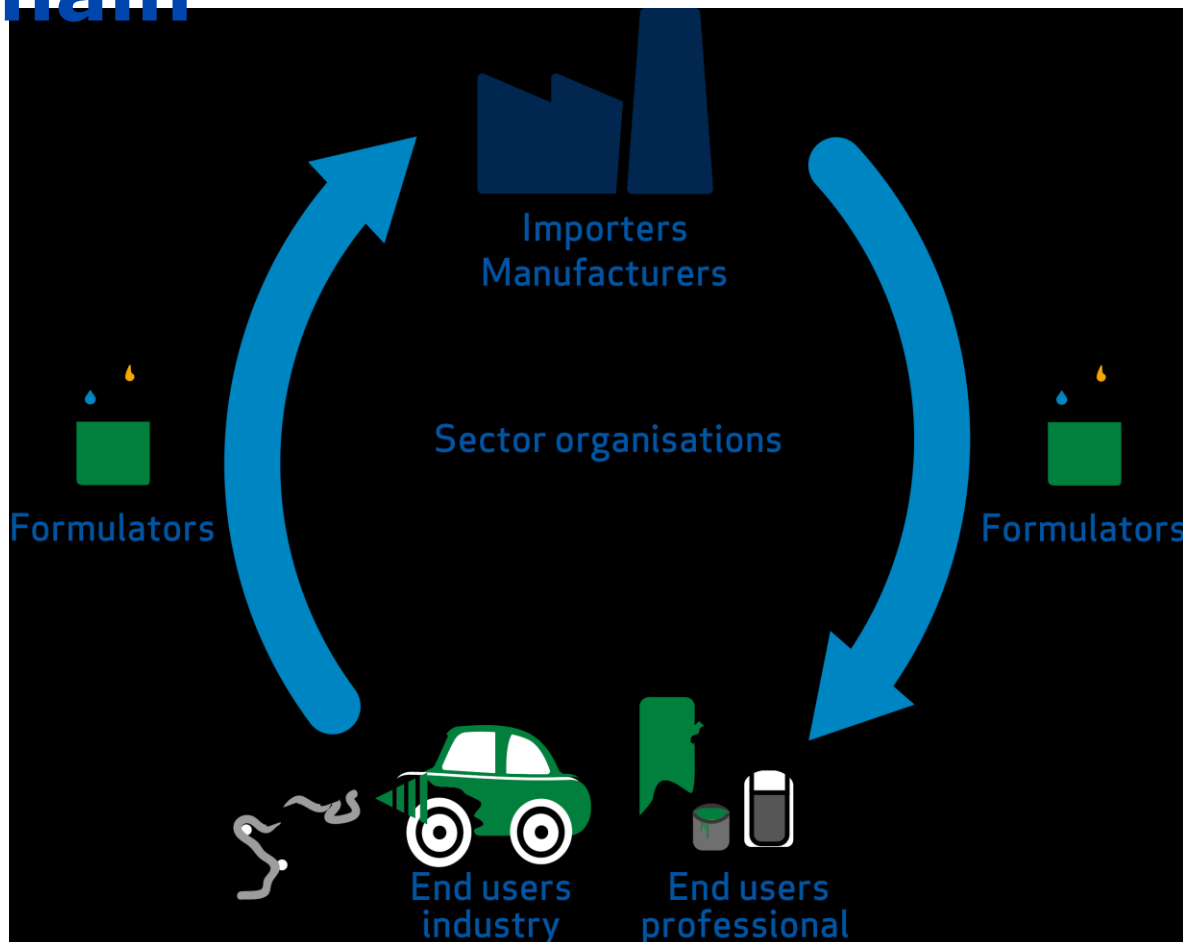


<http://echa.europa.eu/csr-es-roadmap>

CSR/ES Roadmap: Recap – Why?

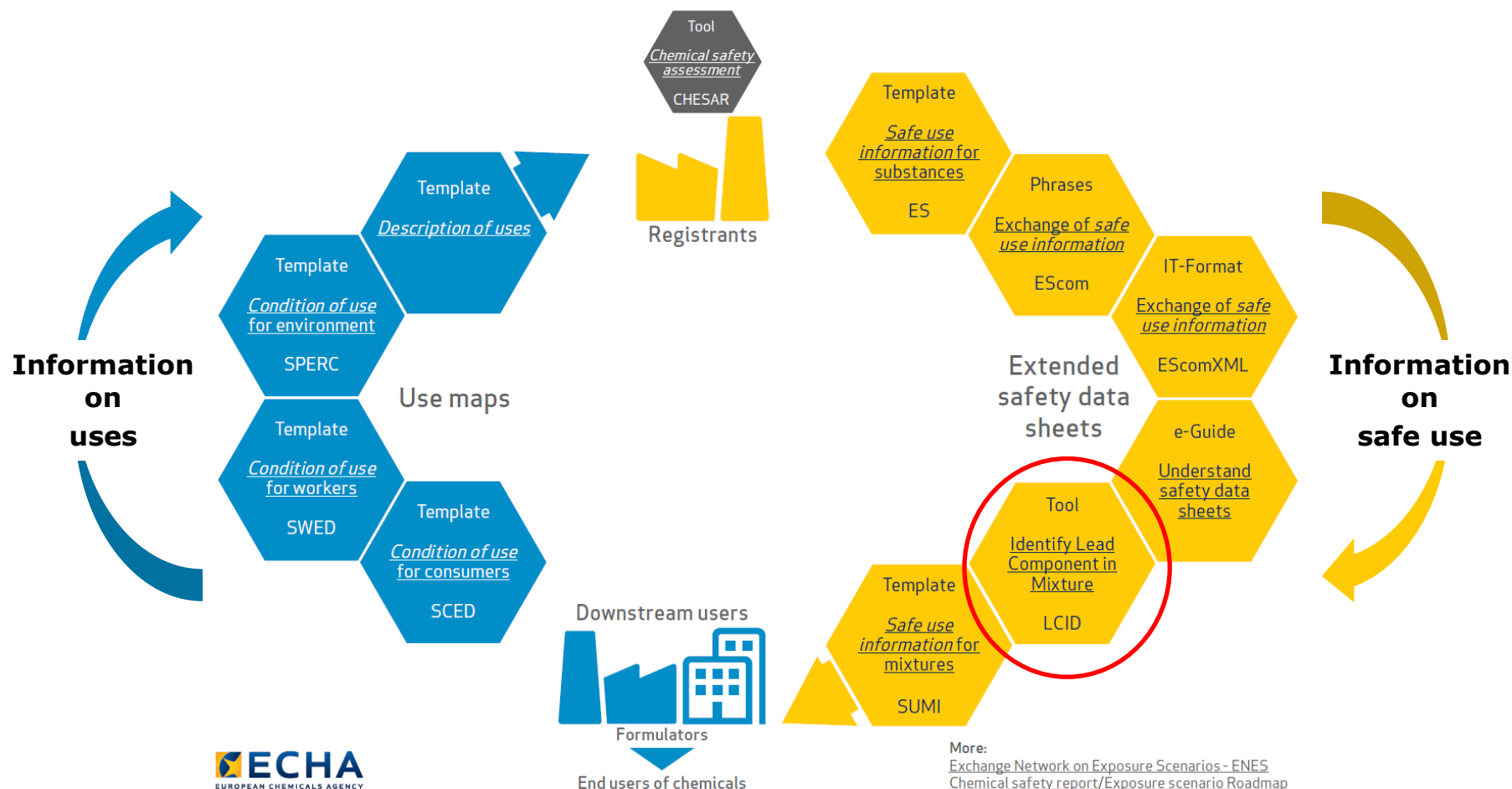
- Experience from communication DOWN the supply chain
- Lack of harmonised format
- Different content from different suppliers on same substance
 - driven by differences in composition and related hazard
 - driven by absence of harmonisation mechanisms
- Difficult to process information into company EHS systems
- Translations of extended SDS into all EU languages

REACH, communication in the supply chain



- **Manufacturer**
 - **Importer**
 - **Distributor**
 - **Formulator**
 - **End user**
- **Article producer**

Improving communication on the safe use of chemicals



Lead Component Identification methodology

- A product of the CSR/ES Roadmap
- Other Roadmap products support inputs / outputs from methodology:
 - Exposure scenario templates (and structured short titles).
 - Standard phrases, ESCom package.
 - Description of use / Conditions of use.
 - Safe Use of Mixtures Information (SUMI) template.

Communication **DOWN** the supply chain

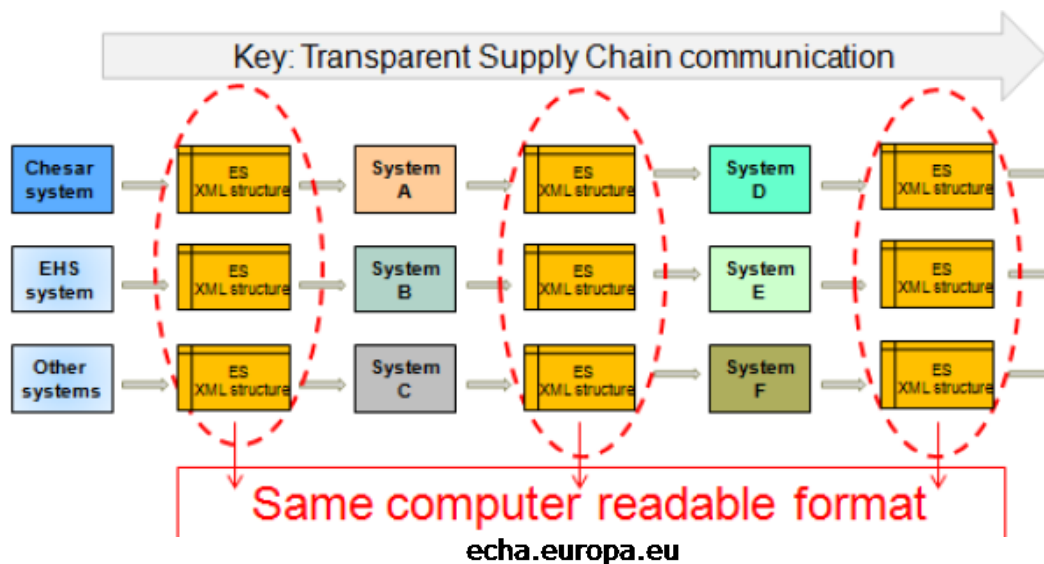
- **Annotated templates and ES example available**
- ✓ Manufacturers to decide what to include in the ES for communication and in which format
- ✓ Downstream users to understand what to expect in each ES section

<http://echa.europa.eu/support/guidance-on-reach-and-clp-implementation/formats>

Communication **DOWN** the supply chain

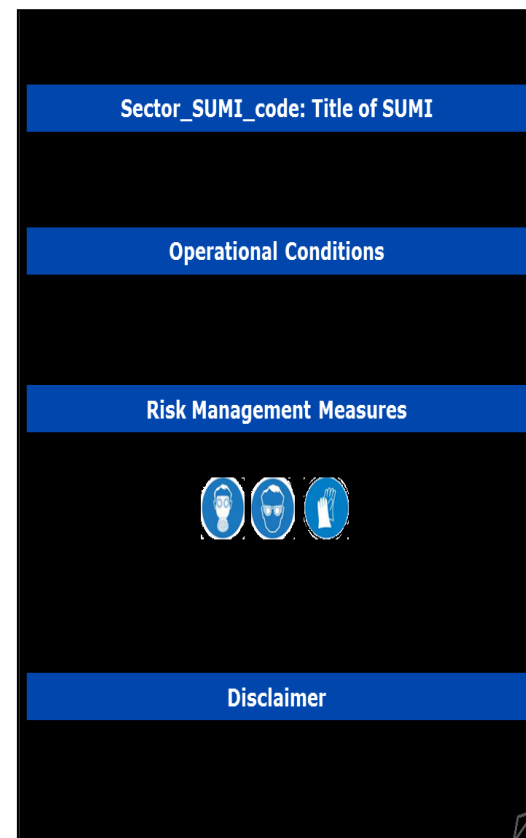
ESCom package for electronic sending of Exposure scenarios in the supply chain :

- Catalogue of standard phrases
- XML format for ES



Communication **DOWN** the supply chain

- **S**afe **U**se of **M**ixtures **I**nformation
- Generated at sector level for common uses
- Simple 1-2 pages format for end users
- Harmonised content; use of pictogram
- Connected to CSA for substances via the use maps

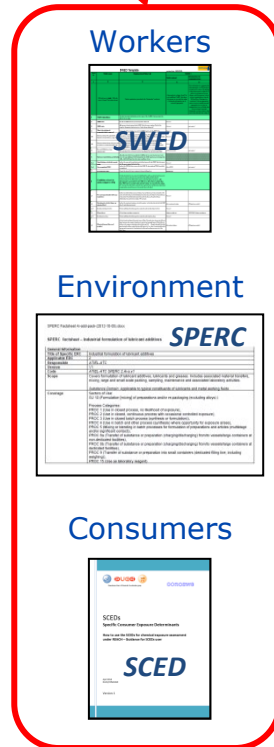


Use maps



Use identification and general description							Contributing activity description				Additional optional information	
Use code	Life Cycle Stage	Use name	EU main site for communication	Brief description of use process	Sector of use (SLS)	Product categories (PC)	Article categories (AC)	Contributing activity type	Contributing activity name	Contributing activity descriptor	Exposure assessment input code	Functions maximum concentration per technical function; technical functions expected to be present in subsequent scenarios
1	2	3	4	5	6	7	8	9	10	11	12	13
worker_001_U1	Formulation				NA		NA	workers	workers	From SWED		
worker_002_U1	Industrial						NA	environment	environment	From SWED		
worker_003_U1	Professional						NA	workers	workers	From SWED		
worker_004_U1	Consumer			NA	NA		NA	consumers	consumers	From SWED		
worker_005_U1	Article				NA	NA	NA	workers	workers	From SWED		

- Developed by sector associations.
- Describe uses and the conditions of use.
- Data can be readily processed for registration using IT tools.
- Format comprised of 2 essential parts:
 1. Use description
 2. Input elements to exposure assessment:
 - Workers: Sector-specific Worker Exposure Description (SWED).
 - Environment: Specific Environmental Release Category (SPERC).
 - Consumers: Specific Consumer Exposure Determinant (SCED).



Workers

SWED

Environment

SPERC

Consumers

SCED

Use maps benefits

- Comprehensive and structured information on use for registrants.
- Clear and relevant information on conditions of use for formulators and end users.

Use identification and general description								Use conditions and assessment basis				Additional general information regarding safety assessment	
Use code	Life Cycle Stage	Use name	ES start sector/ commercial use	ES end description of use process	Sector of use (SLS)	Product category (PC)	Article category (AC)	contributing activity type	contributing activity name	Contributing activity description	exposure assessment input code	General information on technical functions, maximum concentration per function, maximum concentration per use, to be present in subsequent paragraphs	
1	2	3	4	5	6	7	8	9	10	11	12		
sector_2_001_01	Formulation				01		01	01	01	01			
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Use maps can help to promote good practice and realistic advice on safe use of chemicals

Use maps implementation

- Templates already available on ECHA website.
- Industry sectors representing downstream users have started to develop/update use maps.
- ECHA plans to make sectors use maps available on its website.
- First registrants have committed to use them for 2018 registrations.
- Workshop in May to discuss status.
- <http://echa.europa.eu/csr-es-roadmap/use-maps>

Key messages

- Major efforts underway:
 - To improve content /quality of information in the exposure scenarios.
 - To harmonize their structure.
- “Machinery/System” to support and improve the information content for supply chain communication is in place.
- Solutions are available, start implementing!

Key messages (2)

- Use maps are a good way to improve information available to registrants.
- Note: The LCID methodology helps to identify the components in a mixture driving the hazard of the mixture. The method per se will not improve the usefulness of the exposure scenario information supplied by the registrants.
- Interaction between LCID method and SUMI method still to be explored.

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