

IT tools training

Introduction to CHESAR

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Assessment workflow

Terminology

Data workflow

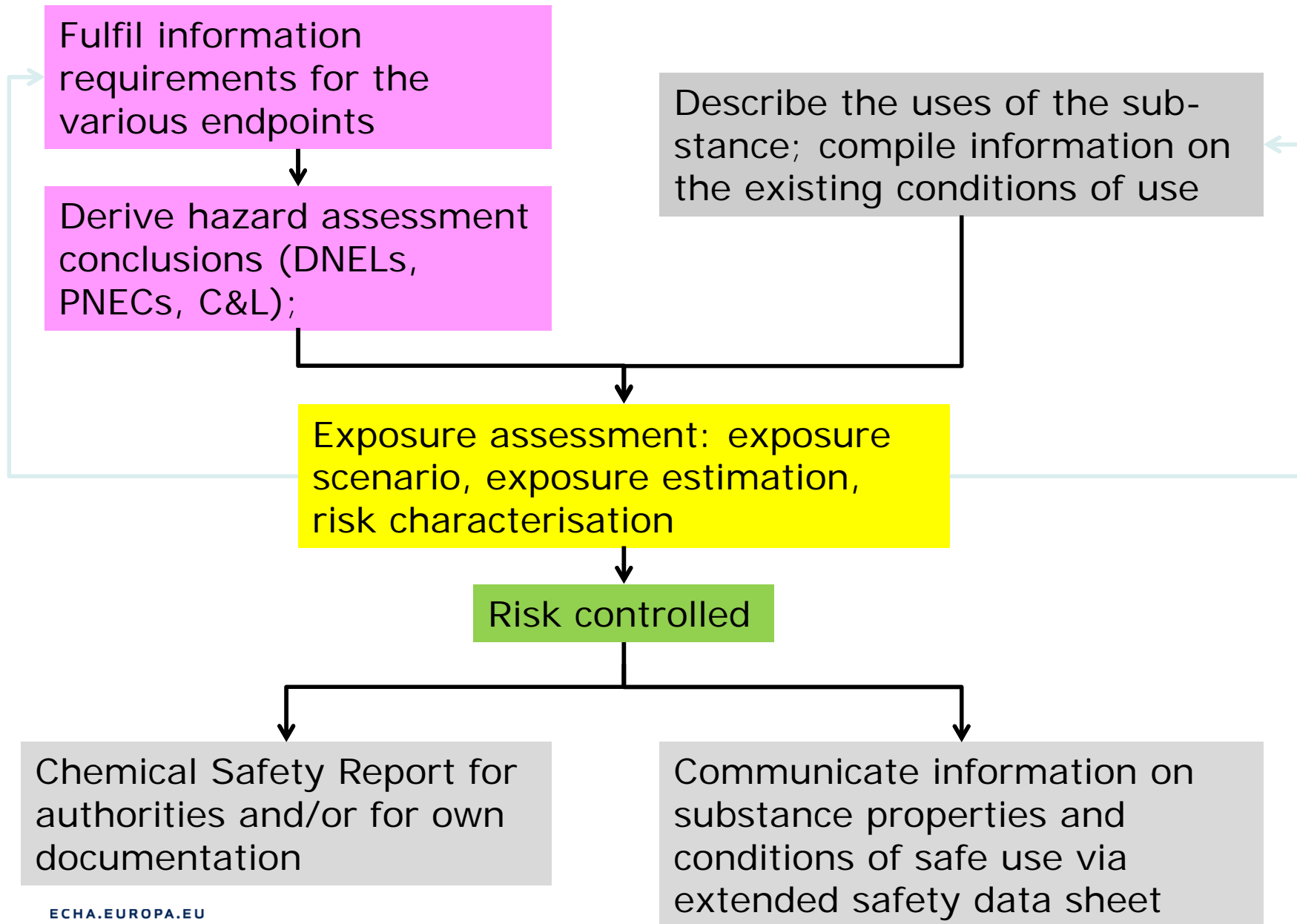
Use maps

CHESAR

Support

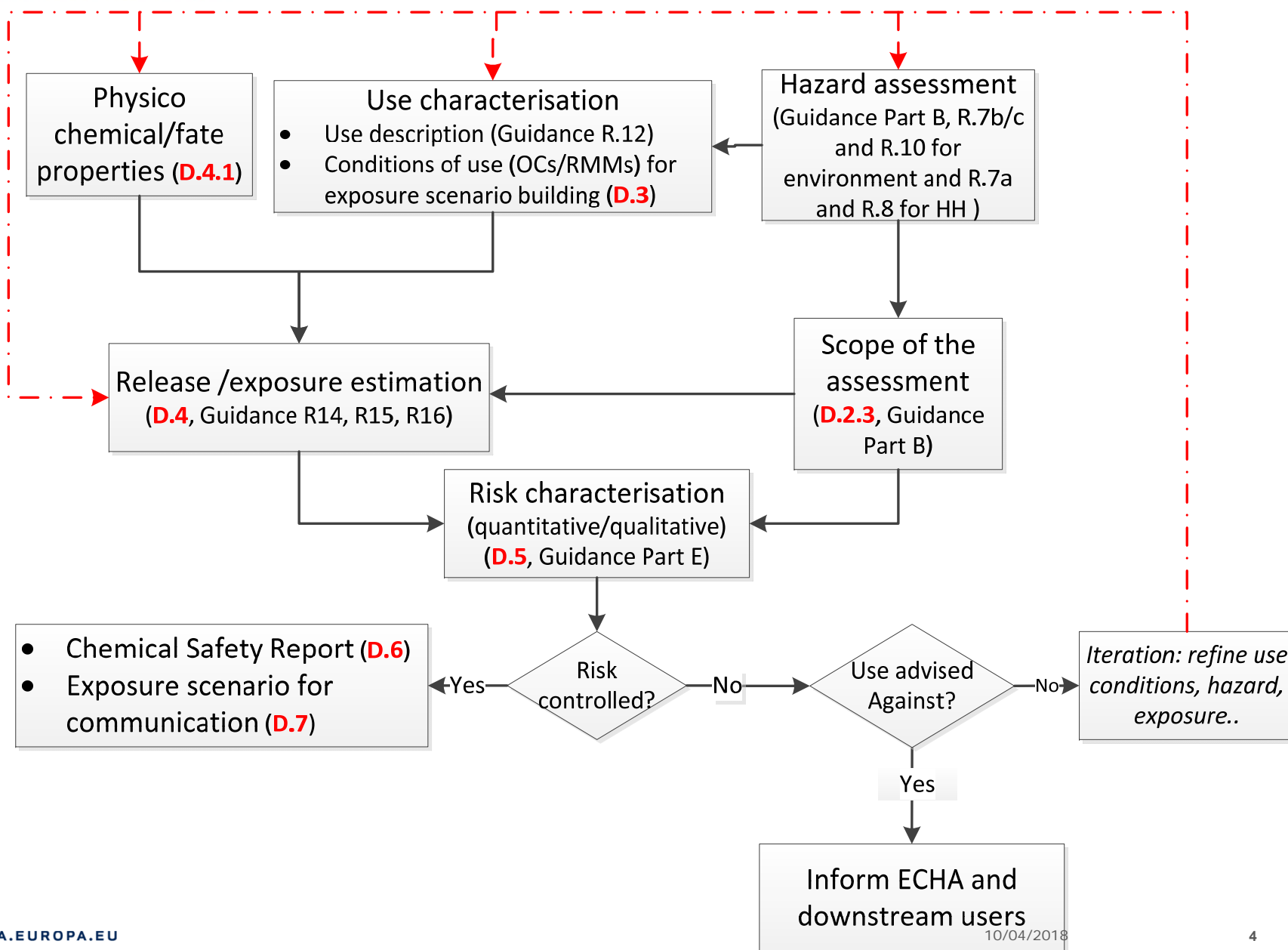


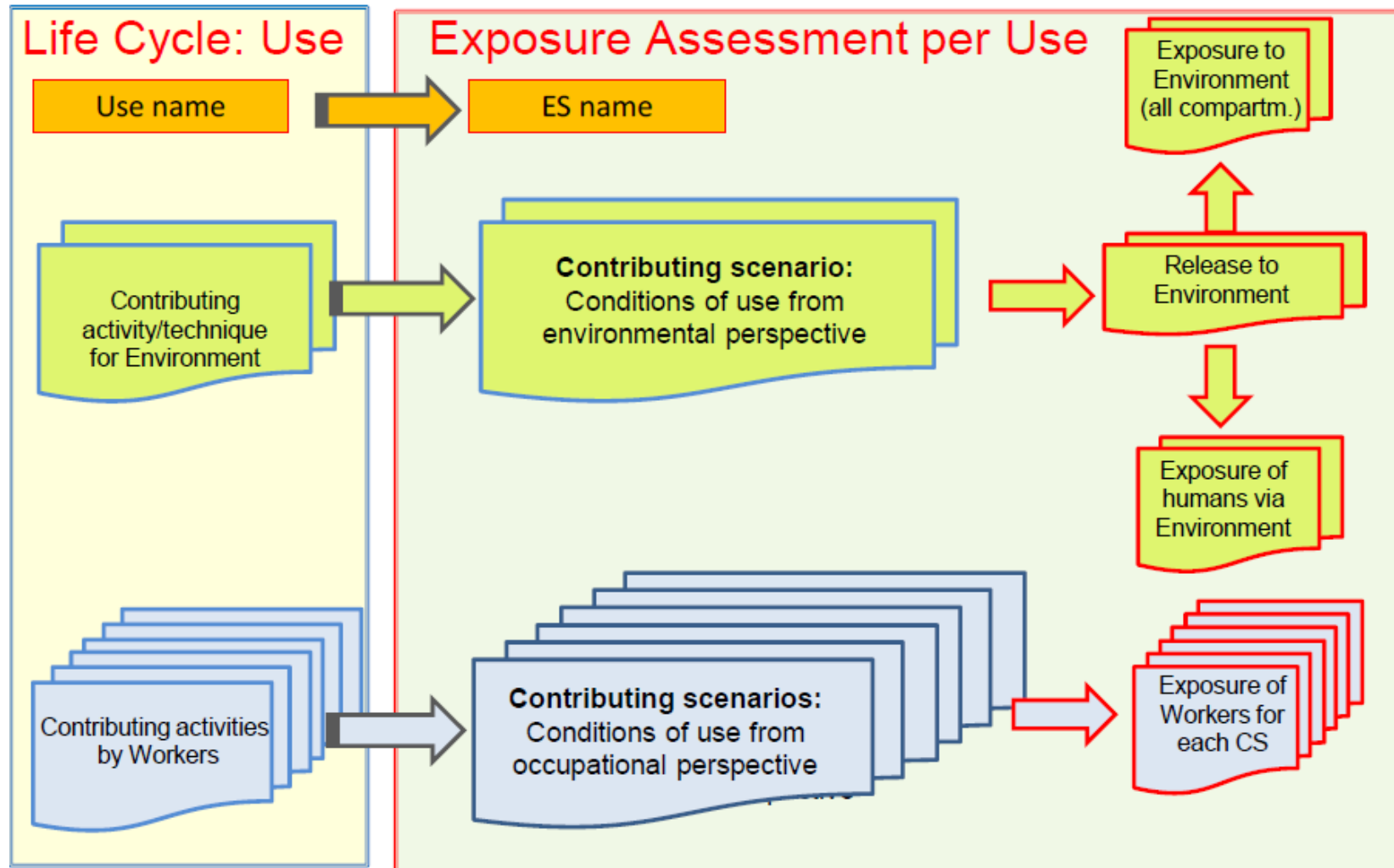
Assessment workflow under REACH

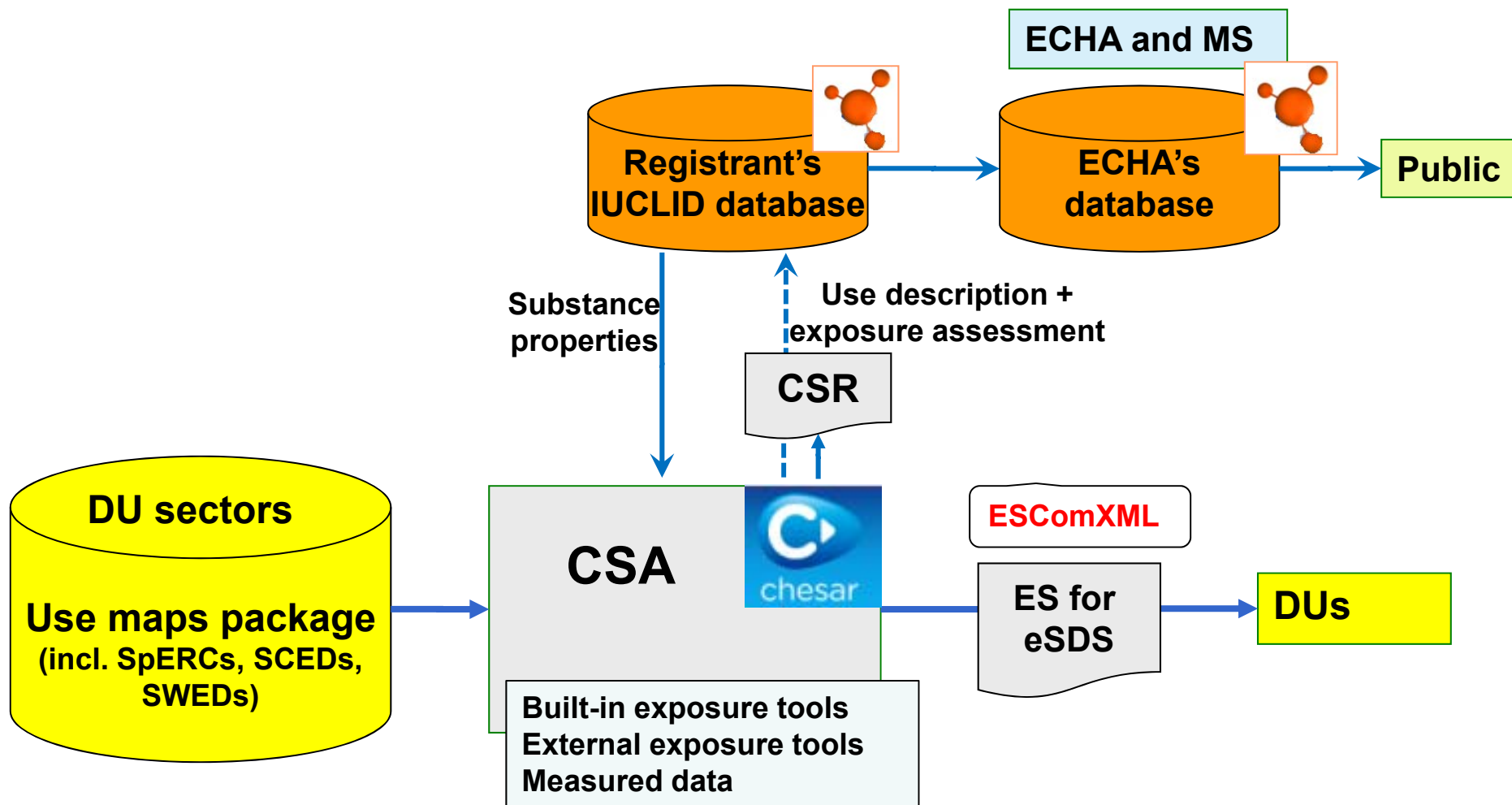


Characterise the substance:
understanding composition, form of the
substance during its life cycle (D.2)

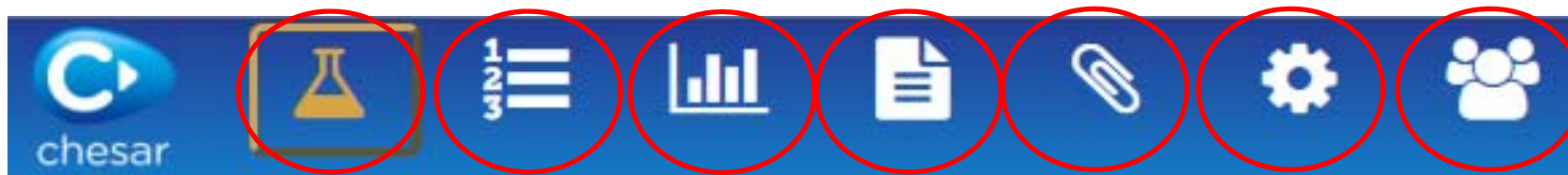
Assessment workflow Guidance D





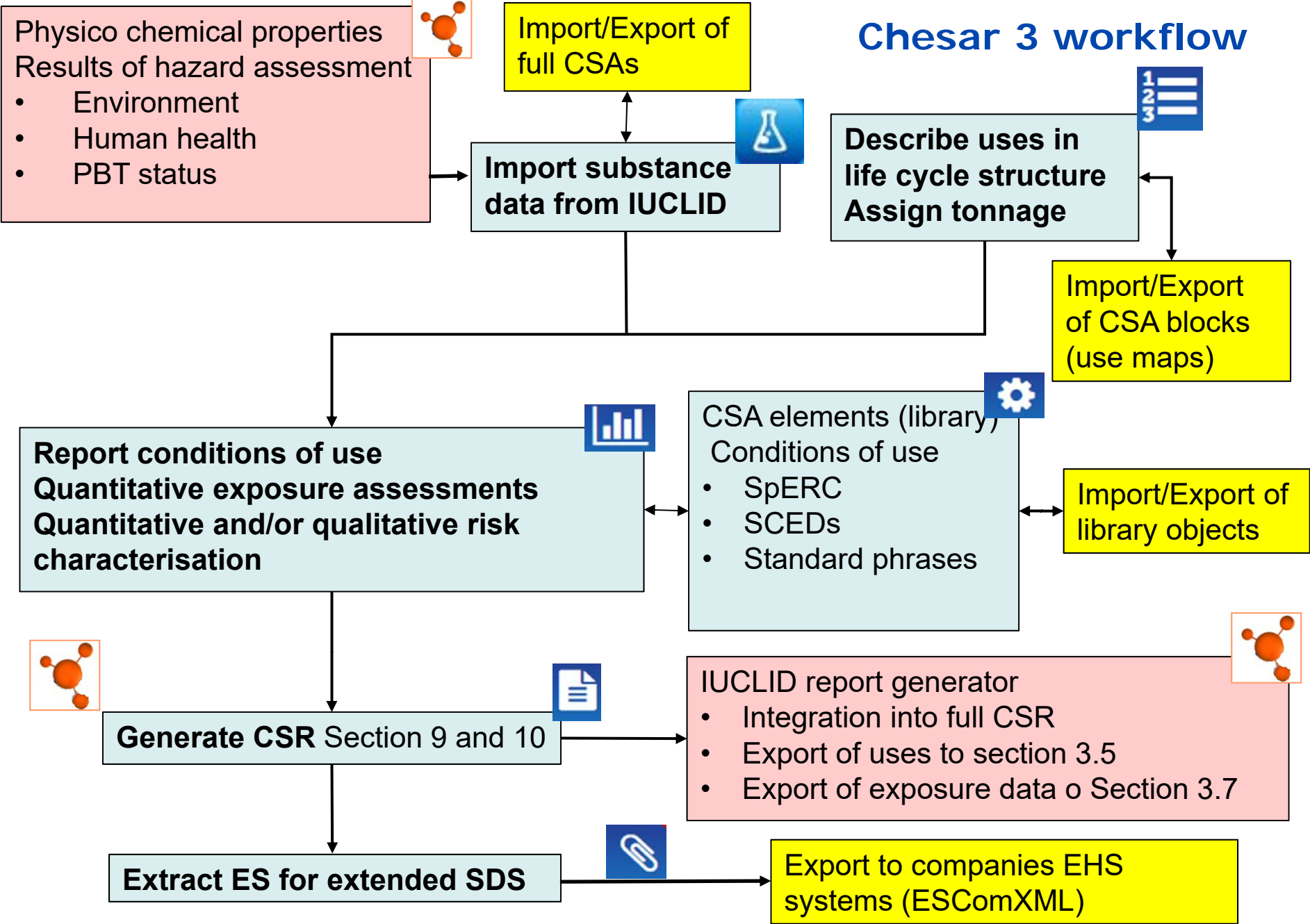


- Developed by industry sectors (e.g. detergents, cosmetics, fuels) to improve the quality of the information on use and conditions of use communicated to the supply chain
- Harmonised and structured way of describing uses for a range of common products
- Includes the use description and the input parameters for workers exposure assessment (SWEDs), for consumers exposure assessment (SCEDs) and for environmental exposure assessment (SPERCs), for their typical uses
- Support registrant by providing a realistic basis to prepare their CSA



1. Substances
2. Uses
3. Exposure assessment
4. Chemical Safety Report
5. Exposure Scenario for extended Safety data sheet
6. Library
7. Users

Chesar 3 workflow



- **Consistency**
 - Between IUCLID (substance properties, uses) and Chesar (CSA/CSR)
 - Information for the authorities (CSR) and for the supply chain (ES for communication)
- **Standardisation (efficiency gains for all actors)**
 - Approach based on systemic workflow
 - Use of maps
 - Assessor uses suitable use descriptions, condition of uses (SPERCs, SCEDS, SWEDs) collected from various DU website
 - Assessor uploads integrated use maps packages from single point of access
 - Standard phrases (ESCom catalogue) and ESComXML
 - Chemical safety report format
 - Exposure scenario for communication format

- **Efficient in single assessment**
 - Re-use of information across substances
 - Integrated exposure estimation tools
 - Bulk actions
 - at substance level (if valid for all uses) or at exposure scenario level (if use-specific)
 - for groups of contributing scenarios
 - Automated generation of documents (CSR, ES for extended SDS) + IT exchange of data (XML format)
 - Facilitated updates, as all data is in one database in case of:
 - New information on substance -> recalculation of exposure for plugged in exposure estimation tools
 - New (or change of) use -> integrated with existing assessment



Chesar > Home



CHEMical Safety Assessment and Reporting tool

What is Chesar?

Chesar is an application developed by the European Chemicals Agency (ECHA) to help companies to carry out their chemical safety assessments (CSAs) and to prepare their chemical safety reports (CSRs) and exposure scenarios (ESs) for communication in the supply chain.

Chesar enables registrants to carry out their safety assessments in a structured, harmonised, transparent and efficient way. This includes the importing of substance-related data directly from IUCLID, describing the uses of the substance, carrying out exposure assessment including identifying conditions of safe use, related exposure estimates and demonstrating control of risks. Based on this, Chesar automatically generates the CSR and exposure scenarios for communication as a text document, and export information on use and exposure to IUCLID. Chesar also facilitates the re-use (or update) of assessment elements generated in a single Chesar instance or imported from external sources.

- > [Chesar in a nutshell](#)
- > [Video - Chesar: All you need for chemical safety assessment](#)



> [Download Chesar tool](#)



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External Links



> [REACH Regulation](#)



> [IUCLID](#)



> [Chemical Safety Report](#)



> [Practical examples of chemical safety report](#)




> [Practical examples of exposure scenarios](#)




> [ECHA Guidance](#)

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06 February 2018

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[› ECHA REACH FAQ](#)

Library

The purpose of this section of the website is to provide examples of the use of Chesar for the preparation of chemical safety assessments (CSAs).

Getting started with Chesar 3

To be able to immediately run Chesar 3, you can use the following:

- › [ECHA substance](#)

Illustrative CSR example in Chesar 3

This section contains an example of a chemical safety assessment prepared by ECHA. This example, originally prepared in 2012 and published on ECHA website, has been updated taking into account the lessons learned over the past years and the further development of good safety assessment practice under REACH.

The updated IUCLID 6 file and Chesar 3 file are available at:

<https://echa.europa.eu/support/practical-examples-of-chemical-safety-reports>

Use maps

A use map informs on the uses of chemicals in a harmonised and structured way. It describes the uses and has links to the information needed to carry out exposure assessments. Use maps are typically generated by downstream user sector organisations. For more information <http://echa.europa.eu/csr-es-roadmap/use-maps>

To facilitate the creation of use maps in Chesar XML format by Industry sector organisations, the following "use map" Chesar 3 substance file can be used as a starting point. For more information refer to the manual [Chesar 3 for sector associations](#).

- › [Usemap substance](#)

When the use maps have been created, the following dummy substance files can be imported by industry sector organisations to check the content of the use maps before publication (see section 4.2 of the manual [Chesar 3 for sector associations](#)).

- › [Use map validation substance \(liquid\)](#)
- › [Use map validation substance \(solid\)](#)

Standard phrases catalogue

CEFIC ECom phrase catalogue can be uploaded in Chesar to support the generation of Exposure Scenario for communication in a standardised way. It is updated twice a year. You can download a Chesar 3 compatible version of the catalogue from Cefic website:

- › <http://www.cefic.org/Industry-support/Implementing-reach/escom/>

ConsExpo exposure estimations importable to Chesar

Exposure estimations made with the new version of the ConsExpoWeb tool can be imported into Chesar through a ConsExpo export file. For more information: <http://www.rivm.nl/en/Topics/C/ConsExpo>

- Chesar website
<https://chesar.echa.europa.eu/>
- Chesar user manual
<https://chesar.echa.europa.eu/support/manuals-tutorials>
- Webinar recordings
<https://echa.europa.eu/support/training-material/webinars>
- Help text embedded in Chesar: the magic button 

- Getting familiar with the new Chemical Safety Assessment and Reporting tool (Chesar 3.0)
https://echa.europa.eu/view-webinar/-/journal_content/56_INSTANCE_DdN5/title/getting-familiar-with-the-new-chemical-safety-assessment-and-reporting-tool-chesar-3-0-
- REACH 2018 Assess hazards and risks of your chemicals
https://echa.europa.eu/view-webinar/-/journal_content/56_INSTANCE_DdN5/title/reach-2018-assess-hazards-and-risks-of-your-chemicals
- Guidance on Information Requirements and Chemical Safety Assessment – Chapter R.12: Use description
https://echa.europa.eu/documents/10162/13632/information_requirements_r12_en.pdf

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