Welcome

Webinar: Chesar 3.6 – what's new

20 January 2021

European Chemicals Agency

What you can expect from today

- Learn about the changes implemented in Chesar 3.6
- Short demo illustrating the main implementations
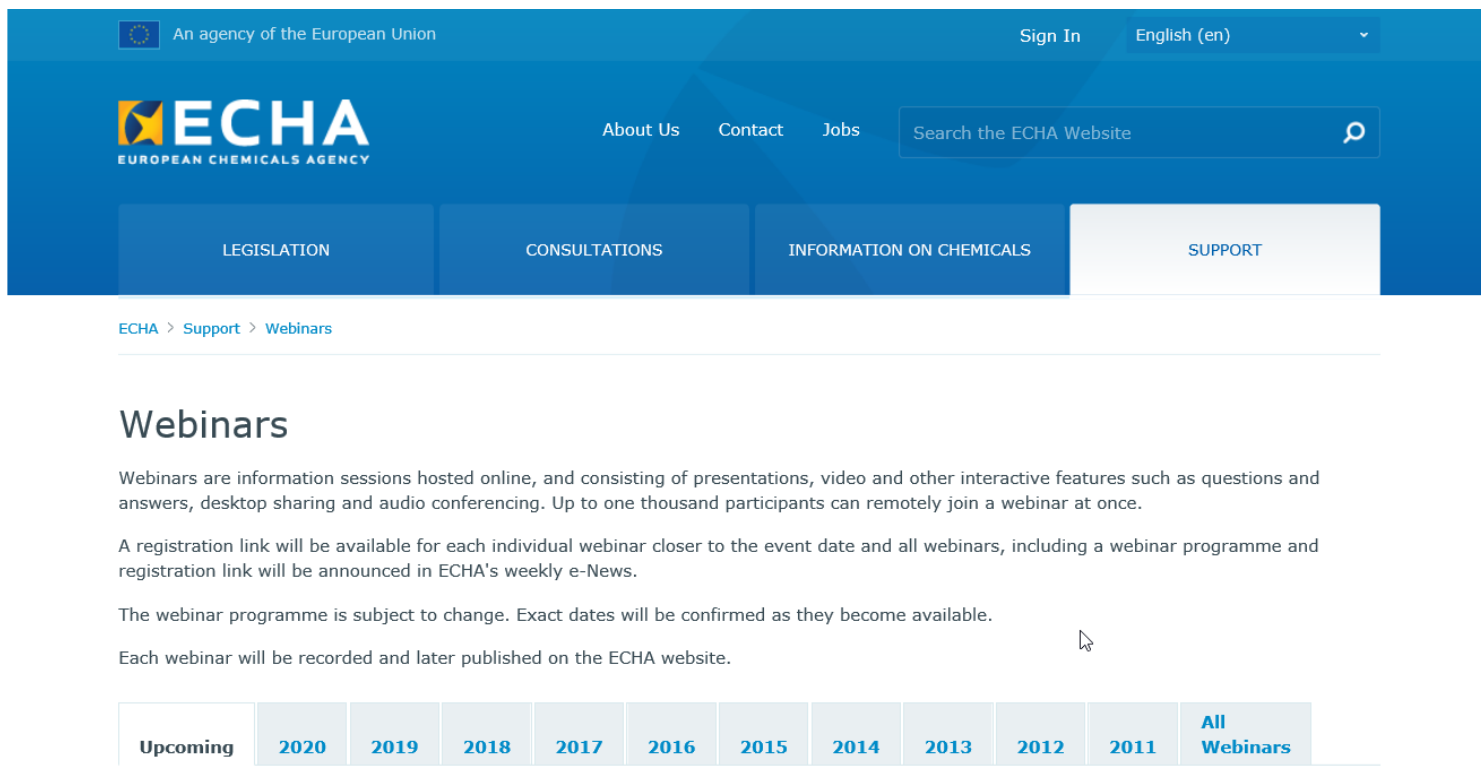- Key messages and tips
- Answers to your questions

Questions

- Join Q&A at: slido.com
  Event code: # chesar36
- Send questions from **11:00 to 13:00 Helsinki time**
- Only questions within scope
- Question not answered?
  Contact us: echa.europa.eu/contact

Material available

Video recording, presentations and Q&A:

https://echa.europa.eu/webinars

Agenda

11:00   **Introduction**
Roberta Bernasconi, ECHA

11:05   **Chesar 3.6 – What's new**
Roberta Bernasconi, ECHA

11:25   **Demo of Chesar 3.6**
Eleni Tsitsiou, ECHA

11:55   **Concluding remarks**
Roberta Bernasconi, ECHA

11:00–13:00 **Webinar open for questions**

Chesar 3.6 – what's new

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What is new in Chesar 3.6

The main changes in Chesar 3.6, are linked to the implementation of the **harmonised worker Condition of Use** (CoU)

Other smaller improvements on the usability of the tool as well as a few fixes have been implemented

Harmonised Conditions of Use (CoU) for workers - background

Why was there a need for changes?

The input parameters for the different workers exposure tools are largely addressing the same core exposure determinants (conditions of use: CoU), but expressing them in different words and granularity.

Significant challenges for an efficient communication and processing of information on conditions of use up and down the supply chain.

Under *ENES action 3.2*, ECHA and SECO* undertook the task to map the input parameters used for the most used workers exposure assessment tools **to derive one set of harmonised conditions of use supporting assessment with any tool**.

*State Secretariat for Economic Affairs of Switzerland (SECO)

Work done with exposure estimation tool owners (1)

All inputs (conditions of use) of

      - ECETOC TRA,

      - ART,

      - Stoffenmanager,

      - MEASE and

      - EMKG-expo-tool

have been mapped to each other, leading to the harmonised list of conditions of use (CoU) containing, for each:

- harmonised "values" (*i.e. picklist entries in Chesar*)
- harmonised phrase for communication per value
- the equivalent input parameter for each tool per harmonised value

Consolidation of CoU across tools

Example for the 'Room ventilation' condition of use

Harmonised value	Harmonised communication	ART	Stoffenmanager	ECETOC TRA	MEASE
Good (3 to 5 ACH)	Provide a good standard of general ventilation (not less than 3 to 5 air changes per hour).	3 ACH	General ventilation (open windows and doors)	Good general ventilation (natural or mechanical)	Mechanical ventilation of at least 3 ACH
Enhanced (5 to 10 ACH)	Provide a good standard of controlled ventilation (5 to 10 air changes per hour).	10 ACH	General ventilation (mechanical)	Enhanced general ventilation	Mechanical ventilation of at least 3 ACH
Specialised (10 to 30 ACH)	Provide specialised room ventilation (at least 10 air changes per hour).	Specialised room ventilation with more than 10 ACH	General ventilation (mechanical)	Enhanced general ventilation	Enhanced mechanical ventilation of at least 10 ACH

Work done with exposure estimation tool owners (2)

The harmonised list of CoU contains 4 sets of CoU:

1. Core CoU (common to all estimation tools)
2. Common to other tool CoU (relevant for ART, MEASE, Stoffenmanager and EMKG)
3. MEASE specific CoU (relevant for MEASE)
4. ART specific CoU (incl "activity class" specific)

All harmonised CoU are now available in the Chesar 3.6 library as built-in CoU and are included in the SWED template.

Types of CoU (i)

- **Core CoU**: relevant for all the tools (sufficient for TRA)

  - Percentage (w/w) of substance in mixture/article *
  - Physical form of the used product
  - Duration of the activity*
  - Operating temperature*
  - Room ventilation
  - Local exhaust ventilation
  - Respiratory protection
  - Dermal protection
  - Place of use
  - Occupational health and safety management system
  - Face and eye protection

  * No changes compared to Chesar 3.5

Types of CoU (ii)

- **Common to other tool CoU:** relevant for ART, MEASE, Stoffenmanager and EKMG
  1. Containment
  2. Distance of workers to the source
  3. Personal enclosure
  4. Suppression techniques for solid products

- **MEASE specific CoU:**
  1. MEASE containment
  2. Level of automation
  3. Chemical protective clothing
  4. Container capacity
  5. Number of containers used
  6. Use of cleaning device

Types of CoU (iii)

- **ART specific CoU:**
  1. Segregation of the source
  2. Distance of the source to buildings
  3. Downward laminar flow booth
  4. Vapour recovery system
  5. Glove bag/box

- **ART activity class specific CoU:**
  e.g. Activity class: Fracturing and abrasion of solid objects (wood)
  1. Type of handling for fracturing or abrasion of wood solid objects
  2. Level of containment of the process for fracturing or abrasion of wood objects

Implementation of the Harmonised CoU in Chesar

Changes in Chesar 3.6

To implement the harmonised CoU for workers in Chesar, some changes have been done to:

- **Box 6**
    - Conditions of use (increased list of built-in CoU)
- **Box 3 TRA assessment**:
    - The CoU are updated and the relevant TRA values are now marked in bold
- **Box 3 external tool assessment** (ART, MEASE, Stoffenmanager and EMKG)
    - Upon selection of the external tool, all tool specific CoU can be added in one go

Assessment with SWEDs

- **TRA assessment:**
  - if the SWED contains non TRA relevant value(s), TRA will run (if possible) with the closest TRA option (lower reduction factor) but the communication will be based on the SWED values
    - Non TRA relevant values (if contained in the SWED) will not be taken into account for calculations by TRA, but they will be communicated
- **External tool assessment:**
  - to allow a proper reporting of ART, MEASE, Stoffenmanager and EMKG datasets, the SWED should contain all the relevant tool specific CoU

Migration from Chesar 3.5 to Chesar 3.6

Migration of assessments made with Chesar 3.5

- **TRA assessment :**
  - No changes to the estimates, no actions needed by the user
  - All core (=TRA) CoU will be automatically migrated
  - Addition of missing core CoU (if any) with default value selected
- **External tool assessment:**
  - No changes to the estimates
  - All core (=TRA) and custom CoU will be automatically migrated
  - Addition of missing core CoU (if any) with default value selected
    - For ART, MEASE, Stoffenmanager and EMKG, the tool specific CoU can be added when user click the button "(Re)set relevant default CoU"

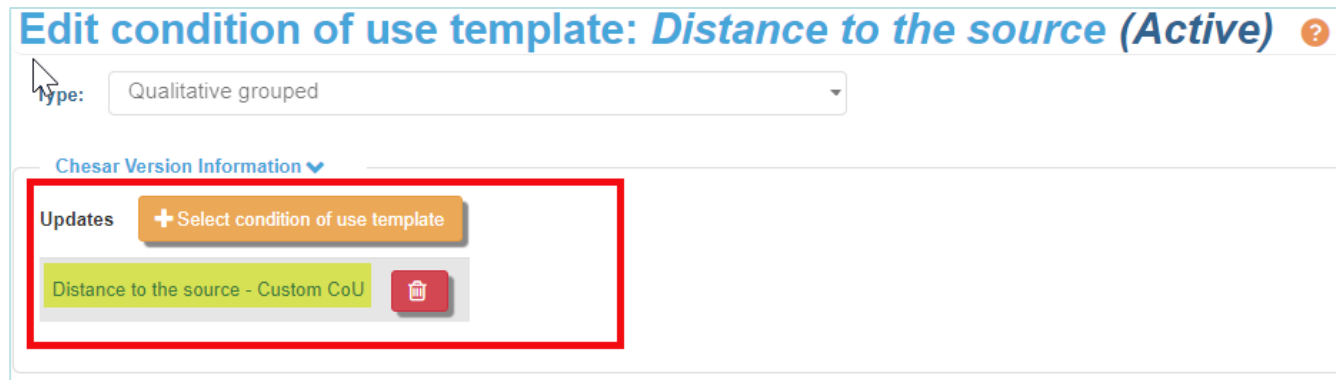# Migration of assessments made with Chesar 3.5 – use map

- Migrated SWEDs will be set to obsolete in box 6
- Obsolete SWEDs will remain linked to the contributing scenario

- ***SWED part of a use map***: user will just need to import the updated version of use map. SWED based workers scenarios will contain links to active SWEDs.
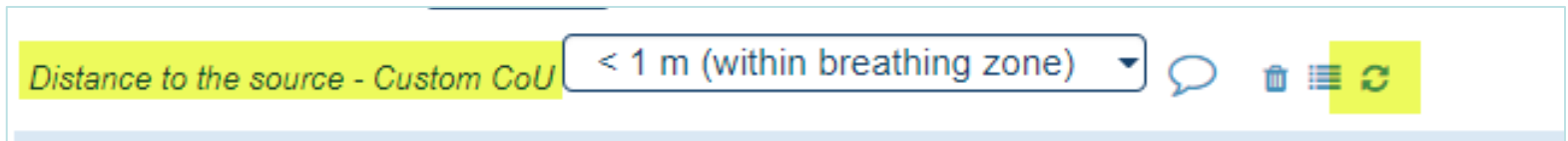
Assessors using systematically external tools

- If you have used systematically one of the "harmonised" external estimation tools (ART, MEASE, Stoffenmanager and EMKG), you probably created some **custom** CoU. These custom CoU may be updated via the built-in ones with the Chesar "**update by**" functionality in box 6.

- With this functionality the assessor's custom (i.e. non built-in) CoU defined in box 6 and used in all the assessments could be updated to the new harmonised built-in CoU.

"Update by" functionality

- The "update by" is available in each CoU in box 6. Check that a **built-in** CoU corresponding to your custom one is available. Select the built-in CoU and associate the custom one. Save the built-in CoU

- Once this association is done, in box 3 the specific custom CoU will be displayed in *italic* and with an "update" icon in all your scenarios.

- Click the update icon and the built-in CoU will be displayed at its place.
- **Note**: the assessor will need to check whether it is possible to update each custom CoU (i.e. same type, ES subheadings, Exposure routes)

Summary table - Migration

Scenario type	CoU automatically migrated	SWED linked	User intervention
ECETOC TRA	Core CoU	Yes (if present)	no
Any assessment based on SWED as part of a use map	SWED defined CoU	Yes	**Yes** – user has to update the use map in the lifecycle tree – All SWEDs will be then updated
Measured data External tool = Risk Of Derm, ECPA, Other	Core + custom CoU	Yes (if present)	no
Stoffenmanager, ART, MEASE, EMKG (non SWED based)	Core + custom CoU		**Yes** – Use update-by functionality, if possible - "(Re)set relevant default CoU" to get the tool's related harmonised CoU (and activity class for ART). Then check for redundancies
Stoffenmanager, ART, MEASE, EMKG (SWED based)	SWED defined CoU	Yes	**Yes** – Upload the new use map version to get an automatic SWED update

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Other smaller improvements / fixes

- Compatibility between Chesar 3.6 and IUCLID 6.4.x and 6.5

- Box 1 – new hyperlinks in substances / CSAs to select a substance or a CSA

- Box 4 – when generating the full CSR with the creation of the record in section 13.1 of IUCLID, the full CSR (in .pdf or .rtf format) can be directly attached as well as the Chesar 3.6 export file (full CSA). Moreover the CSR part A (declarations) can be directly entered in Chesar in the CSR generation pop up.

- Documentation (help text, user and installation manuals) reviewed and updated

Demo

Concluding remarks

Webinar on "Chesar 3.6 - what's new"

20 January 2021

Chesar team, ECHA

Key messages for all users

- Chesar 3.6 implements the set of harmonised workers' conditions of use
  - Increased list of built-in CoU serving the following worker estimation tools: ECETOC TRA, Stoffenmanager, ART, MEASE and EMKG

- No dataset will be lost during migration

- Sectors have worked to publish an update of all their use maps available in Chesar format at https://echa.europa.eu/csr-es-roadmap/use-maps/use-maps-library.

- Download the updated version of all use maps you have been using for your assessments and Chesar 3.6, update your use map with the latest available version (box 2 - update the use map)

Key message for assessors who have systematically used external tools

- We strongly recommend all users of the "harmonised" external estimation tools ART, MEASE, Stoffenmanager and EMKG, to update the custom CoU with the built-in ones with the "**update by**" functionality in box 6.

- More information on this as well as its limitations are available in the Chesar release note document

…do not forget to…

- …download the new Chesar 3.6 from the Chesar website
- …read the release note document (Chesar website)
- …open the contextual help text by clicking ⊙ available in Chesar
- …download the updated use map (ECHA use map library webpage)
- …check the documentation on workers' harmonised condition of use (ECHA ENES webpage)
- …check your assessments after migration
- …contact us if needed!

https://chesar.echa.europa.eu/

Q&A panel

- Webinar open until 13:00 Helsinki time to answer questions

- If your question is not answered by the end of the webinar, send it via our contact form: echa.europa.eu/contact

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