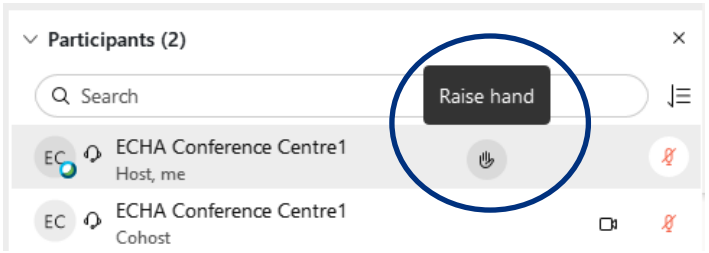
SCIP IT user group

30 Sept 2021

Opening remarks



- Practicalities
  - For the floor, raise your hand
  - Use the **Chat:**
    - Questions and comments related with the topic of the presentation.
    - To: all panellist
- Meeting is being recorded for internal use

Today's agenda

- SCIP Database is published: improving transparency towards consumers, waste operators and other parties
- IUCLID Format update 2021
- Notes on S2S API Usage, evolution and Data Preparations
- Validation rules October 2021
- New in IUCLID and the ECHA submission portal UI
- Upcoming 2022
- Next SCIP events

ECHA
EUROPEAN CHEMICALS AGENCY

SCIP Database is published!

- Improving transparency towards consumers, waste operators and other parties

Telmo Vieira Prazeres

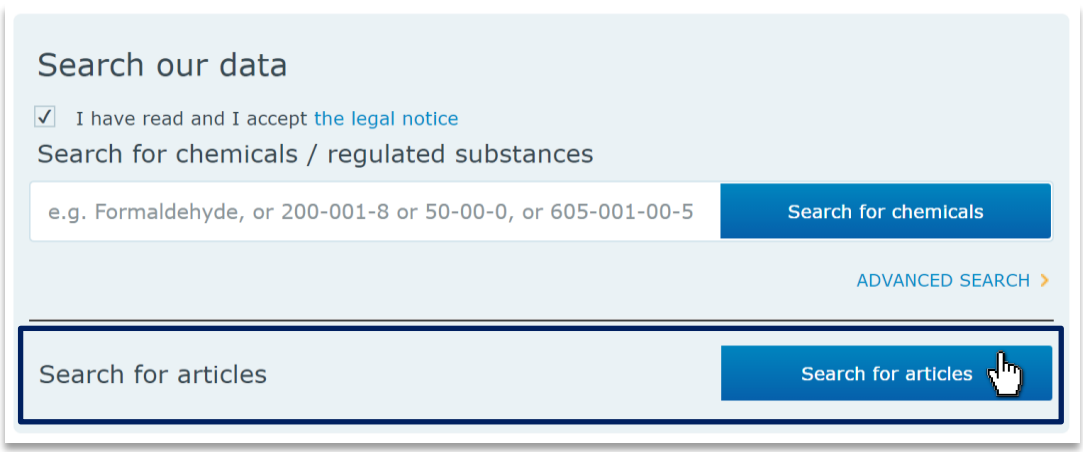
ECHA
EUROPEAN CHEMICALS AGENCY

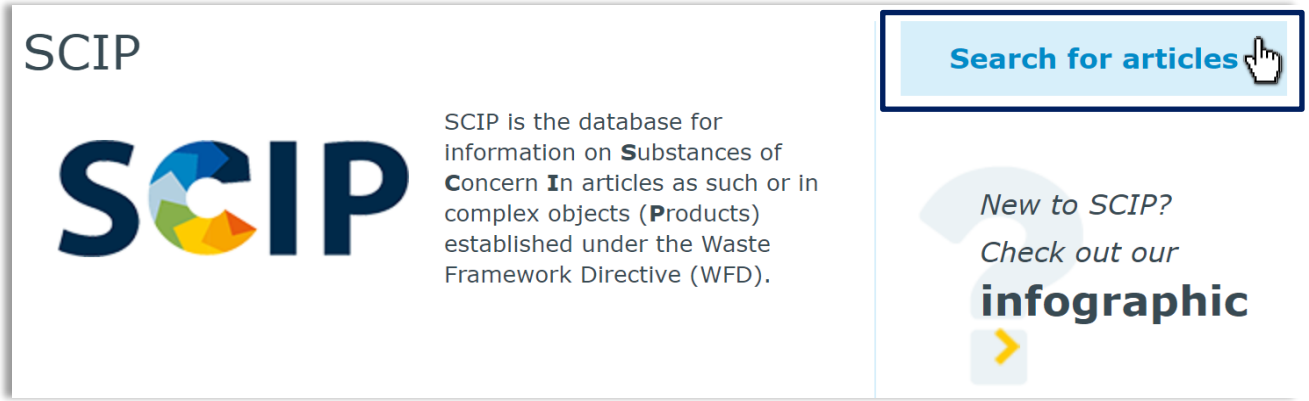
SCIP

Database is now available!

Know more about hazardous chemicals in products – SCIP data published

14/09/2021





The SCIP journey

July 2018

Entry into force of revised WFD

...

17 Feb 2020

SCIP prototype released

28 Oct 2020

SCIP v.1 released and opened

5 Jan 2021

Legal obligation to notify kicked in

14 Sept 2021

Publication of SCIP data

...

No. of notifications received: **> 12 millions**

No. of Notified articles in Database: ~ **6 millions**

No. of companies: ~ **6 000**

Improving transparency

(on SVHCs in articles)

Waste operators

- ✓ ***Find which products and their components contain SVHCs, when entering the waste stage***
- ✓ *Drive waste management decisions*
- ✓ *Support compliant re-use and recycling*

SCIP Database

Consumers

- ✓ ***Empower informed purchase choices***
- ✓ *Use and dispose articles safely*

Authorities

- ✓ *SVHC monitoring to address regulatory actions*
- ✓ *Available info to support (waste) policy decisions*
- ✓ *Support enforcement*

- **Suppliers of articles and other actors in the supply chains**
- **Other parties**

Finding information for articles with Candidate List substances

Actors in the supply chains

Consumers

Waste operators

Large variety of articles or complex objects

Diversified group of users with different needs

Searching for an article / product

Consumers

Search

SEARCH

- Article Identity
- Article category
- Material & Mixture category
- Substance of concern
- Concern/Reason for inclusion

E.g. Preparing for re-use

Article Identity

Identifier: Smartphone

Identifier: BRAND

Identifier: 100f

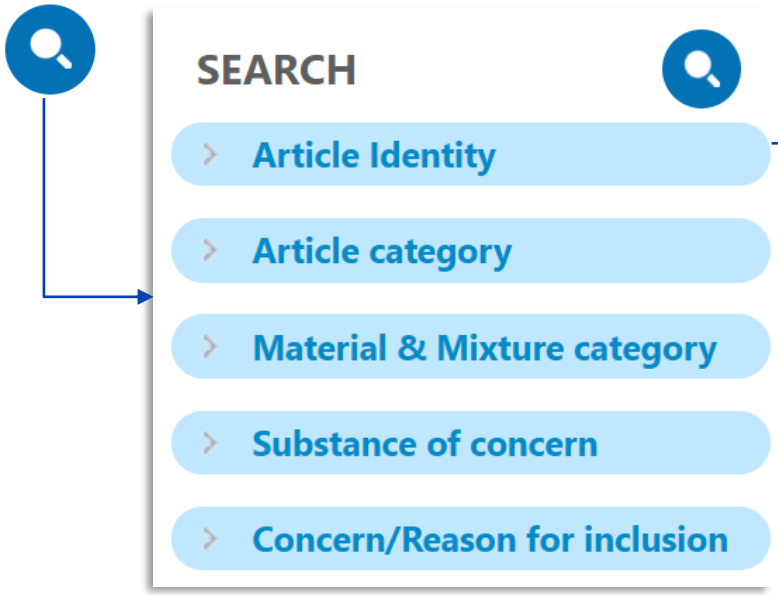
Identifier: 0123456789100

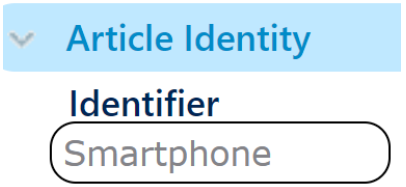
Identifier: Any article identifier

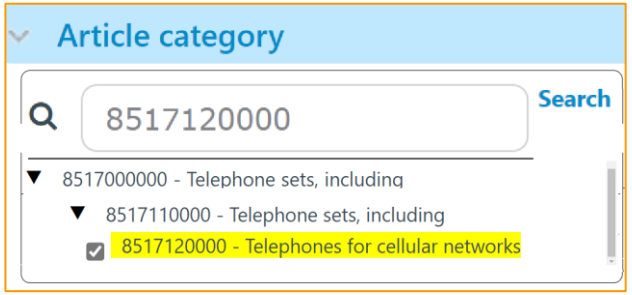
Searching for “family of products”

E.g.
- Collection
- Sorting

Search

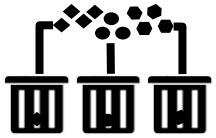






Searching for “material-based” waste stream

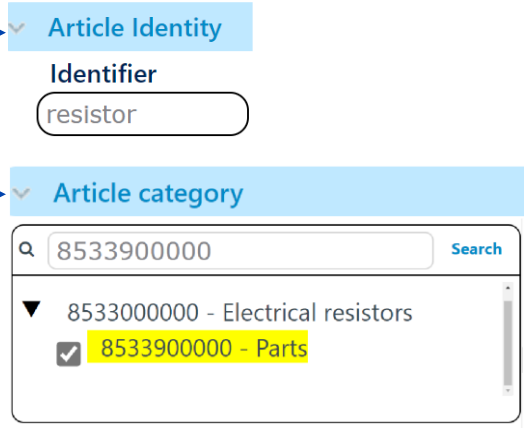
E.g. Sorting; Recycling

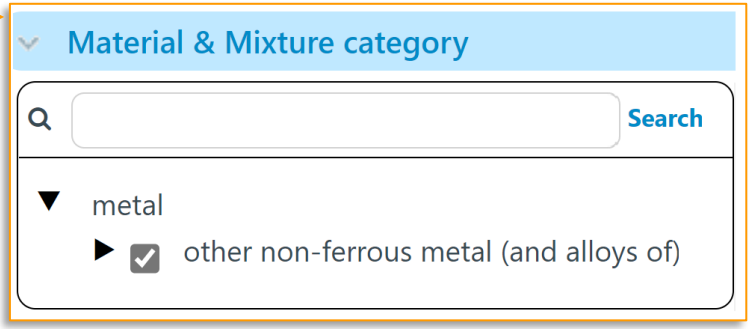


Search

SEARCH

- Article Identity
- Article category
- Material & Mixture category
- Substance of concern
- Concern/Reason for inclusion





Making the information available

- ECHA **publishes** the **information as received** on its website
- It is up to the **companies** to **submit data in a transparent way** to consumers and waste operators (in the SCIP notification): the usefulness and accuracy of the data remains the responsibility of each duty holder

Good identification of an article

Consumers

Article Name	Other article identifiers	Article category
WATCH √	Other: Z016 Brand: LORUS √ Reference number: R2305NX9,R2311NX9, R2315NX9,R2317NX9, R2319NX9,R2323NX9 √	9102120000 -

(Alphanumeric identifiers)

No submitter information is disclosed for each notification
(protection of commercial sensitive information)

Deficient identification of an article

Article Name	Other article identifiers	Article category
traditional X	Other: NY2930 √	9101190000 -
AAE326860 X	EAN: 8719987971532 √	9105910000

No identification of "watch"

Model,
but no "Brand"

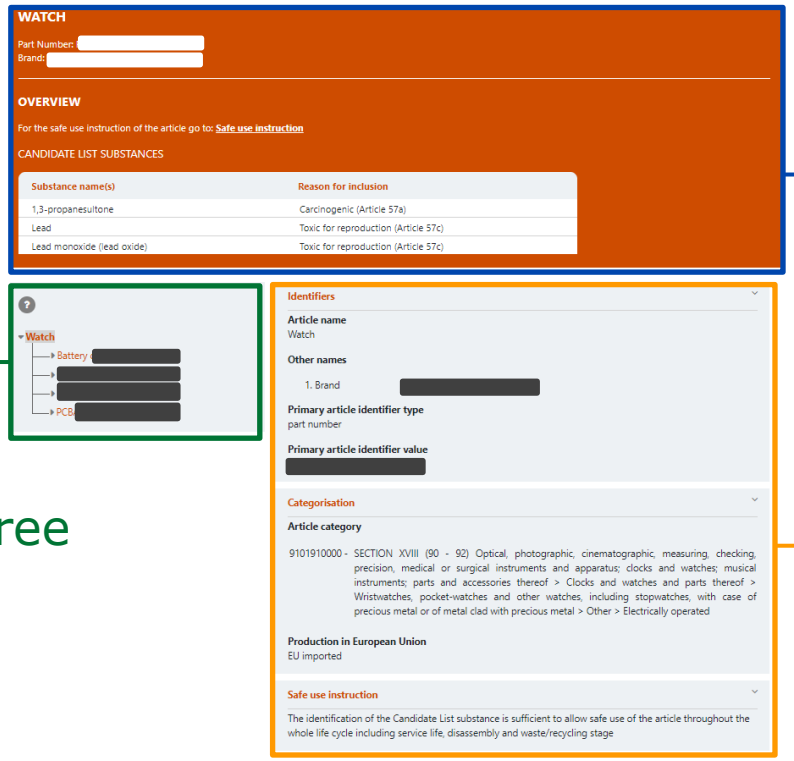
Article cat. for watches

No identification of "watch"

Barcode,
but no other information

Consumers → Not easy to find the article in the SCIP database

Detailed information: factsheet



- Factsheet summary

Consumers

- Article/product tree

- Factsheet body

Waste operators

Factsheet summary

WATCH

Part Number:

Brand:

OVERVIEW

For the safe use instruction of the article go to: **Safe use instruction**

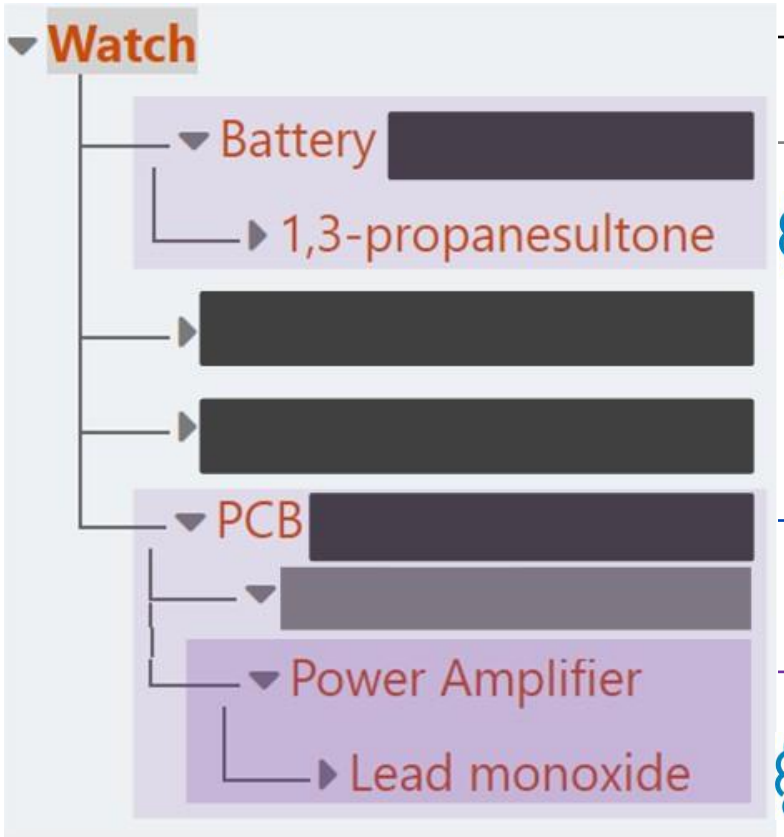
CANDIDATE LIST SUBSTANCES

Substance name(s)	Reason for inclusion
1,3-propanesultone	Carcinogenic (Article 57a)
Lead	Toxic for reproduction (Article 57c)
Lead monoxide (lead oxide)	Toxic for reproduction (Article 57c)

Safe use instruction

The identification of the Candidate List substance is sufficient to allow safe use of the article throughout the whole life cycle including service life, disassembly and waste/recycling stage

Article/complex object tree



Complex object (product)

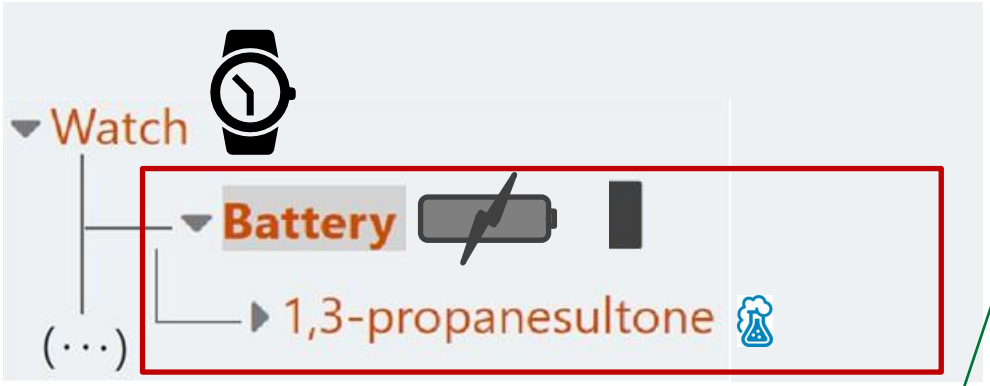
Component (article as such) with Candidate List substance

Component with subcomponents

Subcomponent (article as such) with Candidate List substance

Component's factsheet body

If you include the BRAND in the "Article name" field of a component, which is a disseminated field, the BRAND name will appear under the "Article name" of the component in the disseminated data.



Identifiers

Article name

Battery [redacted]

No other identifiers

Categorisation

Article category

8507600000 - (···) > Electric accumulators, including separators therefor, whether or not rectangular (including square) >Lithium-ion

Production in European Union

EU imported

Safe use instruction

The identification of the Candidate List substance is sufficient to allow safe use of the article throughout the whole life cycle including service life, disassembly and waste/recycling stage

The "other names" (e.g. brand, model) and "other identifiers" for components in a complex object notification **are not disclosed**.
(protection of commercial sensitive information)

Recommendations to notifiers (1)

Be aware and become familiar with the information which is disseminated from your SCIP notification

Examples of disseminated fields

Top level article/complex object (product)

Article name: Watch
Brand: TM_1 ®
Model: Blue 44 mm
Barcode (EAN): 8761234567800
Reference Number: WTM-1-B-44

All these identifiers are disclosed

(+ pictures, disassembling instructions, characteristics, components/concern elements)

Component (article/complex object)

Article name: Battery
Article category: 8507600000
Production in the European Union: EU imported

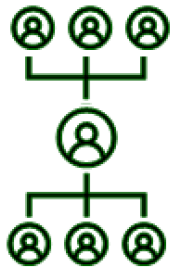
Only these data is published

(+ pictures, disassembling instructions, characteristics, components/concern elements)

Recommendations to notifiers (2)

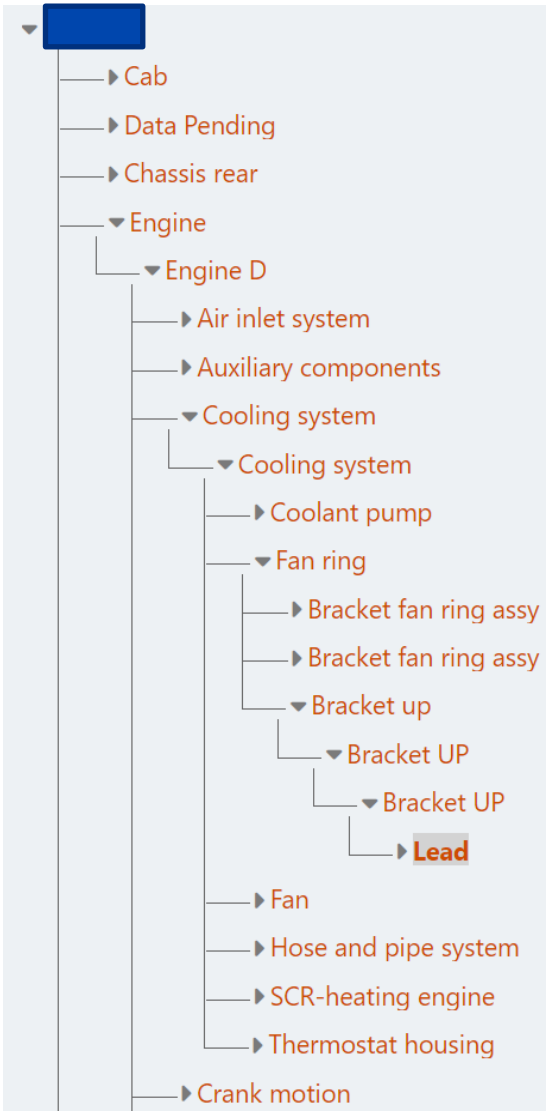
- **Look at your disseminated data!**
  - Ensure that it is easy to search for your products and respective data in SCIP
  - Check whether you have submitted any data regarded as commercial sensitive information by your suppliers and costumers

  (e.g. data allowing to establish links within your supply chain)



Recommendations to notifiers (3)

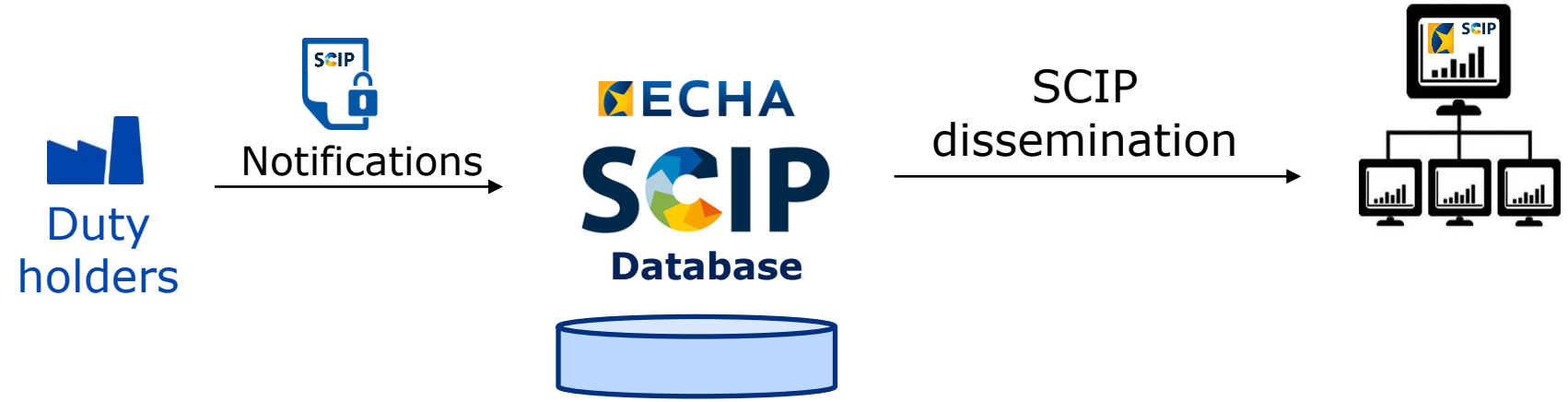
Avoid a long "hierarchy"



- For complex objects, the hierarchy depth is frequently too long:
  - Difficult to understand
  - Difficult to navigate through the structure (very long hierarchy)
  - Many repeated names at the same level of the hierarchy and along the hierarchical sequence (potentially not needed)
- For others, we only receive "flat" notifications
  - Not helpful for waste operators

- Follow the supply chain from the production of articles, assembly of components until the final assembled product is placed on the market
  - Inputs of your assembly stage as the components needed to be reported in your notification
  - Make use of "referencing"

Dissemination: not a synchronized process



- Storing data
- Integration of data
- Preparation for dissemination

- Increasing complexity of dossiers
- Increasing links between complex objects and components using "referencing"
- Increasing number of updates

→ Increasing time for publication

IUCLID format 2021

Tommy Hagg

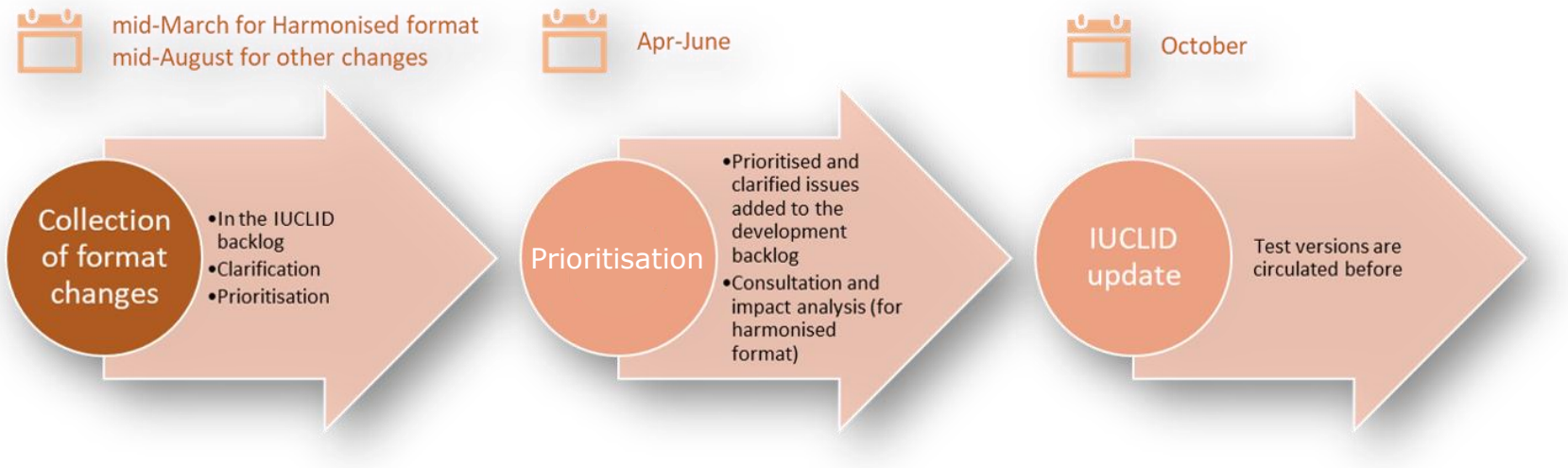
Next IUCLID release

27/10/2021

Cloud and downloadable versions

New format already viewable in the Cloud Beta instance

Format changes timeline (2021)



Overview of format changes (2021)

Article

- Changes in the “Mixture category (EUPCS)” picklist (CLP change applicable to SCIP):

  New category: PC-TEC-26 'Products for moulding, casting, rigid and flexible foams (including resin mixtures) - excludes adhesives, construction products, paints and coatings.

  New category: PC-TEC-27 'Products for the polymerisation of resins and foams'. Description: 'Includes curing agents, hardeners, cross-linkers’

  Modified category: PP-PRD-OTH from ‘Other plant protection products’ to ‘Other plant protection products and related mixtures’

Overview of format changes (2021)

Article

- Update of the "Additional material characteristics" picklist

New additional material characteristic: 'Recovered '

Overview of format changes (2021)

Article

- "Article category":
  - The list in SCIP is based on the integrated Tariff of the European Union – TARIC – list, which is updated monthly
  - And incorporates the Combined Nomenclature (CN) codes and descriptions, which is updated annually

- Update of the "Article category" picklist

Updated with the changes from:

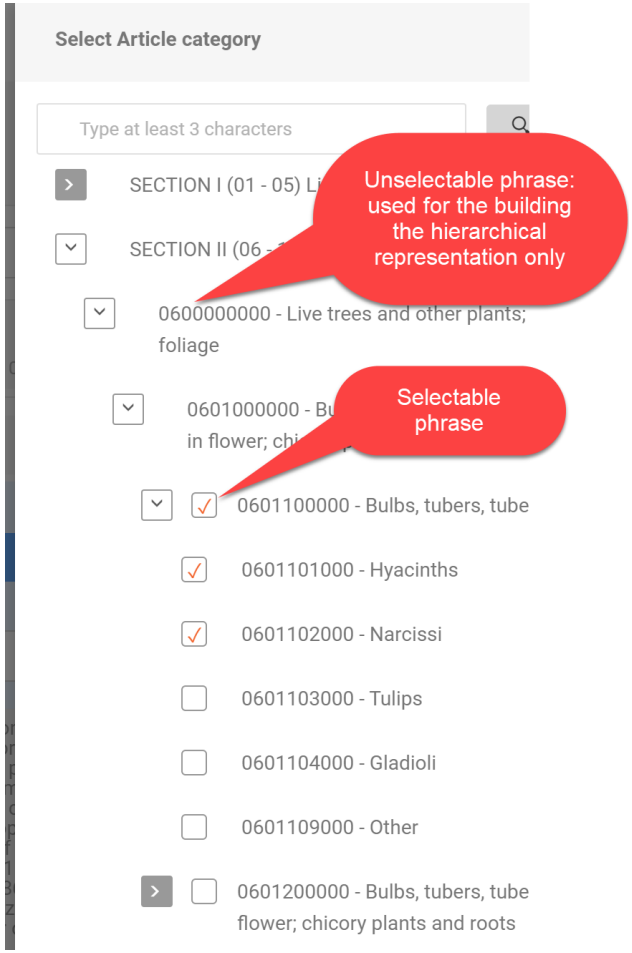
- the Combined Nomenclature (CN) as published by the Commission Implementing Regulation (EU) 2020/1369 of 29 September 2020 (2020 update);
- the July's 2021 TARIC database version (available in 22 EU languages) available in CIRCABC

Contains **NEW** entries that can be selected, Removed entries that have been labelled **OBSOLETE** and are recommended not to be used and also **AMENDED** entries with text change

Format documentation: phrase groups

- Phrase groups are part of the format documentation: Excel list and XSDs
  - Selectable (valid) phrases
  - Obsolete phrases
  - Non-selectable phrases: used in hierarchical phrase groups when a parent phrase cannot be selected

- The **XSD** files
  - contain valid phrases
  - contain obsolete values (as they are still accepted but should not be used anymore)
  - for the time being they also contain non-selectable values: will be removed in the October 2021 release (these phrases are rejected since February 2021)



Constructing the full article category

- In order to build the full article category (Top-Bottom or Bottom-Top) there is a need to use the "PhraseIndex" and "ParentPhrase" ID's

Top – Bottom

Set obsolete to False

Set ParentPhrase to Blank

	A	B	C	D	E	F	G	H
	PhraseText	Additi	Obsol	OpenF	Phrase	Select	PhraseIndex	ParentPhrase
	SECTION I (01 - 05) Live animals; animal products		FALSE	FALSE	108787	FALSE	1	
75	SECTION II (06 - 14) Vegetable products		FALSE	FALSE	109237	FALSE	2474	
70	SECTION III (15) Animal or vegetable fats and oils and their cleav		FALSE	FALSE	109499	FALSE	3769	
57	SECTION IV (16 - 24) Prepared foodstuffs; beverages, spirits and vi		FALSE	FALSE	109566	FALSE		

Search ParentPhrase with PhraseIndex to find children - **Repeat**

	A	B	C	D	E	F	G	H
	PhraseText	Additi	Obsol	OpenF	Phrase	Select	PhraseIndex	entPhrase
	0100000000 - Live animals		FALSE	FALSE	108788	FALSE	2	1
	0200000000 - Meat and edible meat offal		FALSE	FALSE	108822	FALSE	156	1
	0300000000 - Fish and crustaceans, molluscs and other aquatic ir		FALSE	FALSE	108993	FALSE	813	1
4	0400000000 - Dairy produce; birds' eggs; natural honey; edible pro		FALSE	FALSE	109152	FALSE	2103	1
6	0500000000 - Products of animal origin, not elsewhere specified		FALSE	FALSE	109229	FALSE	2435	1

Constructing the full article category

- In order to build the full article category (Top-Bottom or Bottom-Top) there is a need to use the "PhraseIndex" and "ParentPhrase" ID's

Bottom - Top

Set obsolete to False

Search PhraseIndex by using ParentPhrase

	PhraseText	Additi	Obsol	OpenF	Phrase	Select	PhraseIndex	ParentPhrase
8	SECTION XVIII (90 - 92) Optical, photographic, cinematographic, m		FALSE	FALSE	112917	FALSE	23397	
9	9100000000 - Clocks and watches and parts thereof		FALSE	FALSE	112988	FALSE	23808	23397
1	9103000000 - Clocks with watch movements, excluding clocks of h		FALSE	FALSE	112997	FALSE	23830	23808
2	9103100000 - Electrically operated		FALSE	FALSE	107232	TRUE	23831	23830

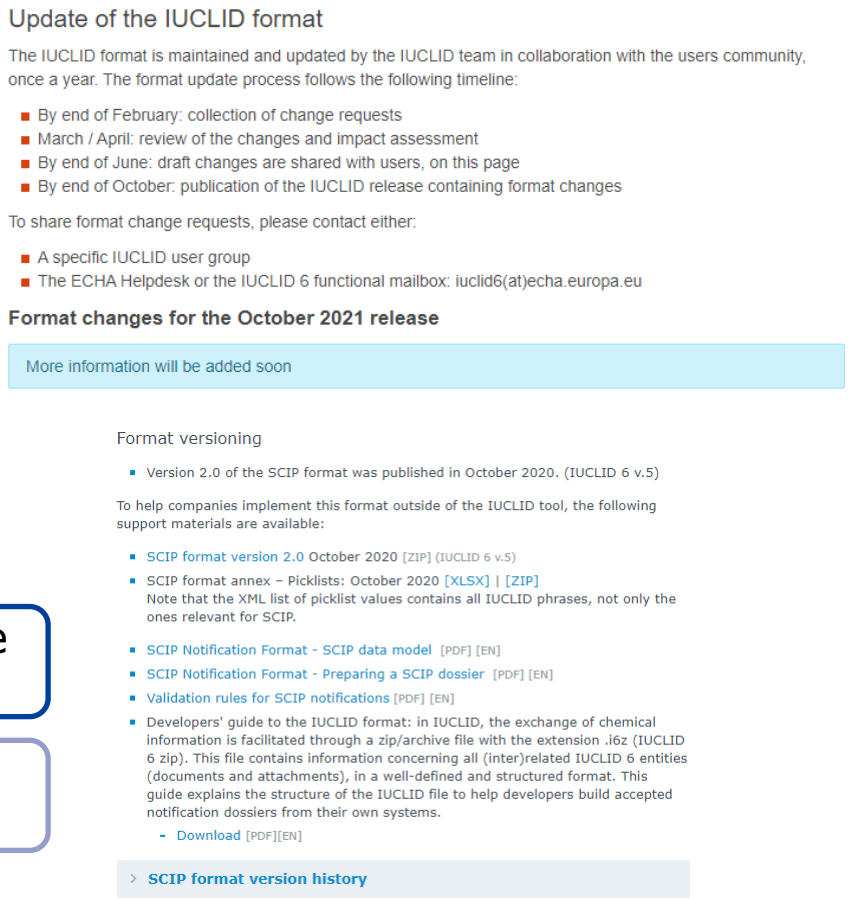
Format documentation

- The update of the IUCLID format will be documented on the IUCLID website:
  https://iuclid6.echa.europa.eu/format

- The subset of the SCIP format changes will be published on the SCIP page:
  https://echa.europa.eu/scip-format

June — Draft versions will start to be made available

October — Official format documentation publication



Update of the IUCLID format

The IUCLID format is maintained and updated by the IUCLID team in collaboration with the users community, once a year. The format update process follows the following timeline:

- By end of February: collection of change requests
- March / April: review of the changes and impact assessment
- By end of June: draft changes are shared with users, on this page
- By end of October: publication of the IUCLID release containing format changes

To share format change requests, please contact either:

- A specific IUCLID user group
- The ECHA Helpdesk or the IUCLID 6 functional mailbox: iuclid6(at)echa.europa.eu

Format changes for the October 2021 release

More information will be added soon

Format versioning

- Version 2.0 of the SCIP format was published in October 2020. (IUCLID 6 v.5)

To help companies implement this format outside of the IUCLID tool, the following support materials are available:

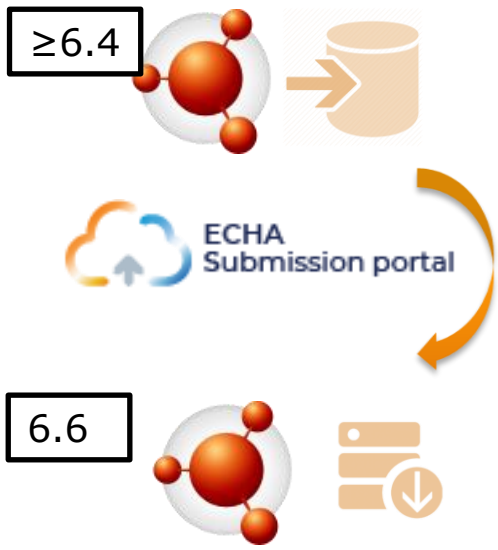
- SCIP format version 2.0 October 2020 [ZIP] (IUCLID 6 v.5)
- SCIP format annex – Picklists: October 2020 [XLSX] | [ZIP]
  Note that the XML list of picklist values contains all IUCLID phrases, not only the ones relevant for SCIP.
- SCIP Notification Format - SCIP data model [PDF] [EN]
- SCIP Notification Format - Preparing a SCIP dossier [PDF] [EN]
- Validation rules for SCIP notifications [PDF] [EN]
- Developers' guide to the IUCLID format: in IUCLID, the exchange of chemical information is facilitated through a zip/archive file with the extension .i6z (IUCLID 6 zip). This file contains information concerning all (inter)related IUCLID 6 entities (documents and attachments), in a well-defined and structured format. This guide explains the structure of the IUCLID file to help developers build accepted notification dossiers from their own systems.
  - Download [PDF][EN]

SCIP format version history

What does an update of the format mean for users?

After the Oct. 2021 release

- For **data submitters**
  - No systematic impact as the new IUCLID version will be compatible with the previous version (files are migrated to the latest version after submission)
  - Impact only when Validation Assistant rules are updated
  - Recommendation to keep the format of your submissions up-to-date (the automated migration in IUCLID gives time to adapt)



Notes on S2S API Usage, evolution and Data Preparations

Validation improvements Aug – Sept I

- On 26th of August, ECHA Submission portal was updated. A set of technical integrity checks was enforced in order to ensure that the submitted IUCLID dossiers (i6z files) are valid, focusing primarily on the consistency between the manifest file (containing a declaration of the IUCLID file content) and the other documents contained in the dossier.
- These verifications are required in order to ensure that the recipients of the submitted information are able to parse, read and process the received files.
- The improvement to the consistency had an unforeseen impact causing some dossiers to fail that would have passed before
- The newly implemented checks are enforcing rules described in the Developers' Guide to the IUCLID i6z Format published on the IUCLID website.

Validation improvements Aug – Sept II

- The file format checks have been implemented on top of the existing checks:
- **EIM050** - The attachments referred in the table of contents file do not agree with the contents of the file to be imported
- **EIM051** - The linked document attachments (linked-doc) referred in the table of contents file do not agree with the contents of the file to be imported
- **EIM052** - Missing base-document-uuid
- **EIM053** - DOSSIER document uuid does not match base-document-uuid
- **EIM054** - No document uuid matches with base-document-uuid
- **EIM055** - Attachment's container uuid does not match with any contained documents uuid
- **EIM056** - Contained document's uuid is different than document's id
- **EIM057** - Document link with ref-uuid, is missing from contained documents
- **EIM058** - Document link with ref-uuid points to its container document

Generation of multiple S2S keys

- Released in September
- Generation of multiple S2S keys per legal entity linking it the user
- Consult the manual "System-to-System submission for industry"

- Old Keys and token will keep working fine
- New Generated keys and new tokens need to adapt to the new functionality.

```
{
"alg": "HS256",
"typ": "JWT"
}
.
{
"sub": "<username>",
"x-echa-party": "<le-uuid>",
"exp": <now + 3h>
}
```

v3 of S2S API

- Released in July
- Main additions/changes:
  - Includes the dossier UUID and persistent system sequence identifier (PSSI)
  - Referenced PSSI in the submission report
  - Support for multiple keys for each legal entity
  - Event flag to show passed submission with warnings
  - Correlation ID for your own use

- Version 1 available until end of October 2021
  - After October 2021, only Versions 2 and 3 active
  - **We did notice that v1 is still used, so we recommend to switch to the new end point. When v1 is not longer available those who use v1 will start receiving errors on the connectivity.**
- Consult the manual "System-to-System submission for industry"

ECHA Cloud Service

- ECHA Cloud Service – in case you exceed the quota you may
  - Try to reduce quota's by store the dossiers in locally / in your companies archiving system
  - Delete unnecessary dossiers and test data

  - Alternatively the use IUCLID standalone to prepare and store your data

Feedback on S2S LinkedIn

- For member of the S2S LinkedIn group, could you please share with us feedback on what you like / don't like in our group via this form.

Validation rules Oct 2021

New validation rule in Portal

[BR733]

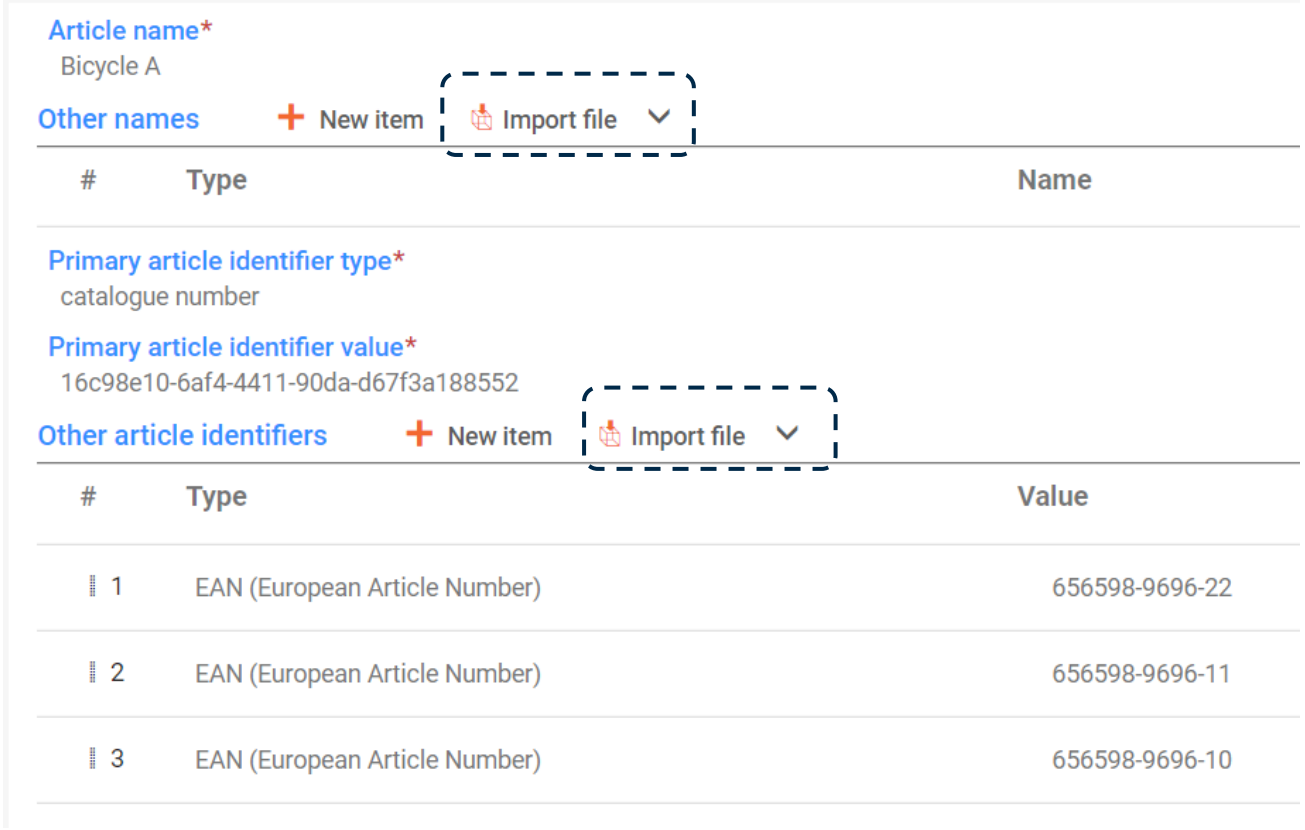
Dossiers with the same UUID are not allowed.

Change for the earlier implementation is that previously we did allow dossiers with same dossier UUID to be sent if the submitting Legal entity was different. This was checked by [BR719] which will now be inactivated.

New features on IUCLID and on the ECHA submission portal

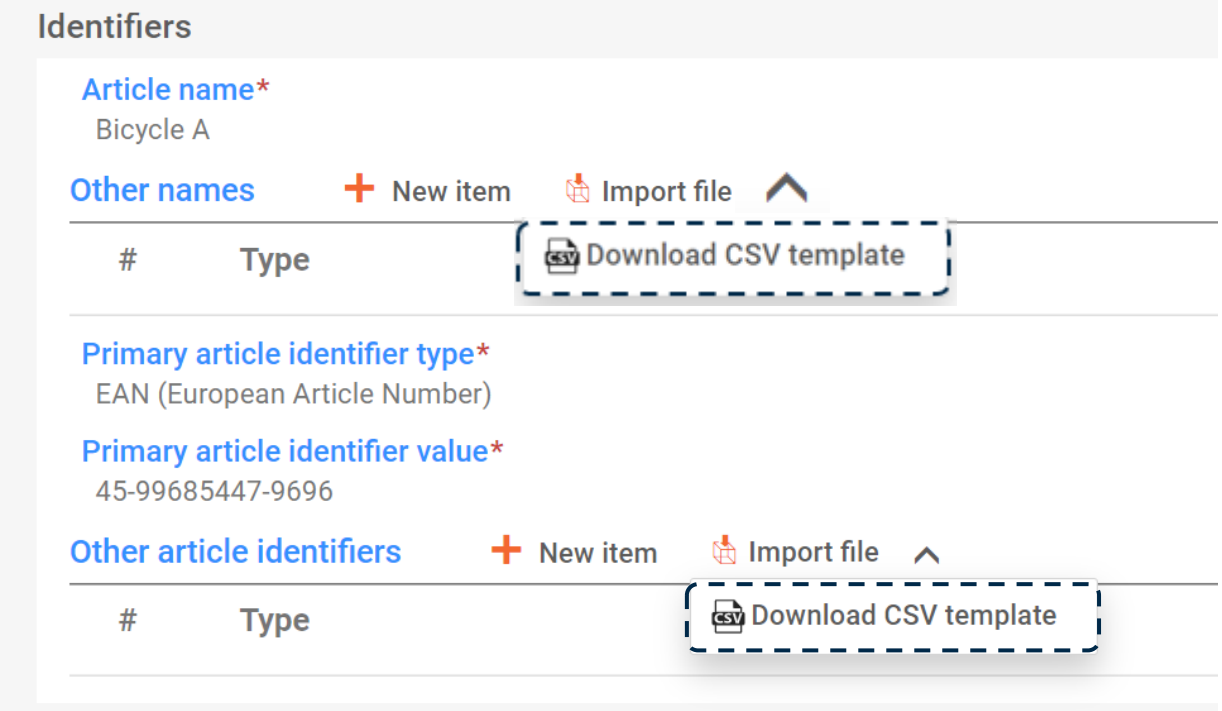
Importing data in IUCLID

Do you have many identifiers to report?
Do you need to report more than one block of safe use instructions?



How to use it?

1. Download the CSV template for the specific field
2. Compile your information
3. Click on import file.



CSV template

OtherArticleID_CSVtemplate

Use the specific template for each specific field

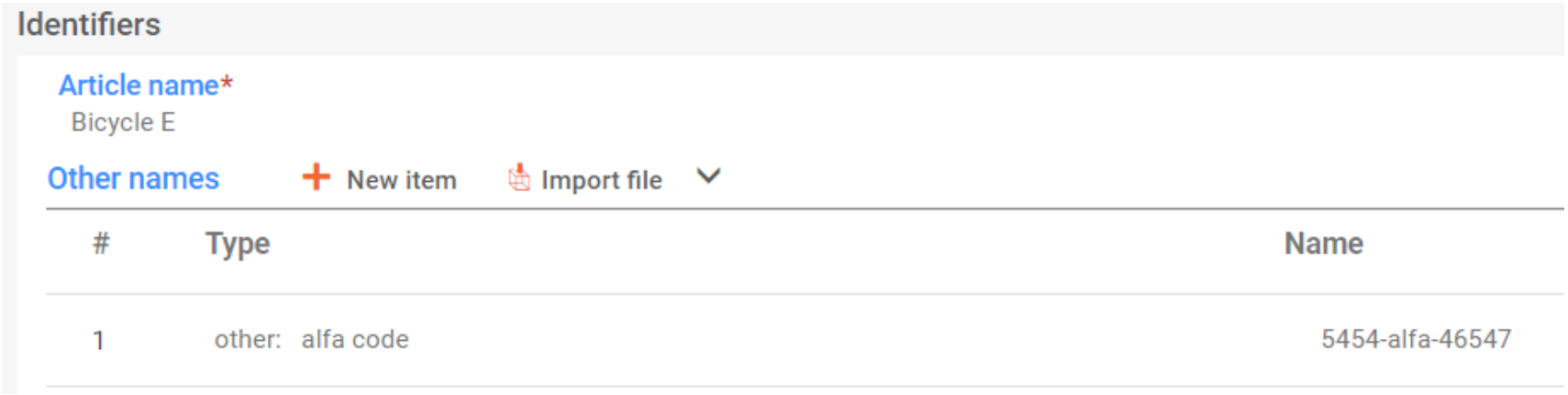
	A	B	C
1	Type.code	Type.other	Value
2	66299		656598-9696-22
3	66299		656598-9696-11
4	66299		656598-9696-10
5	66304		45-LLO-86
6			
7			

IUCLID phrase ID

Identifier to be imported

	Primary article identifier type, Article identifier type (PG6-60746 v2.0)
Identifier	Text
66298	GTIN (Global Trade Item Number)
66299	EAN (European Article Number)
66300	GPC (Universal Product Code)
66301	JAN (Japanese Article Number)
66302	UDI (Unique Device Identification)
66303	ISBN (International Standard Book
66304	catalogue number
66305	batch number
66306	part number

How to report identifiers using "other" type



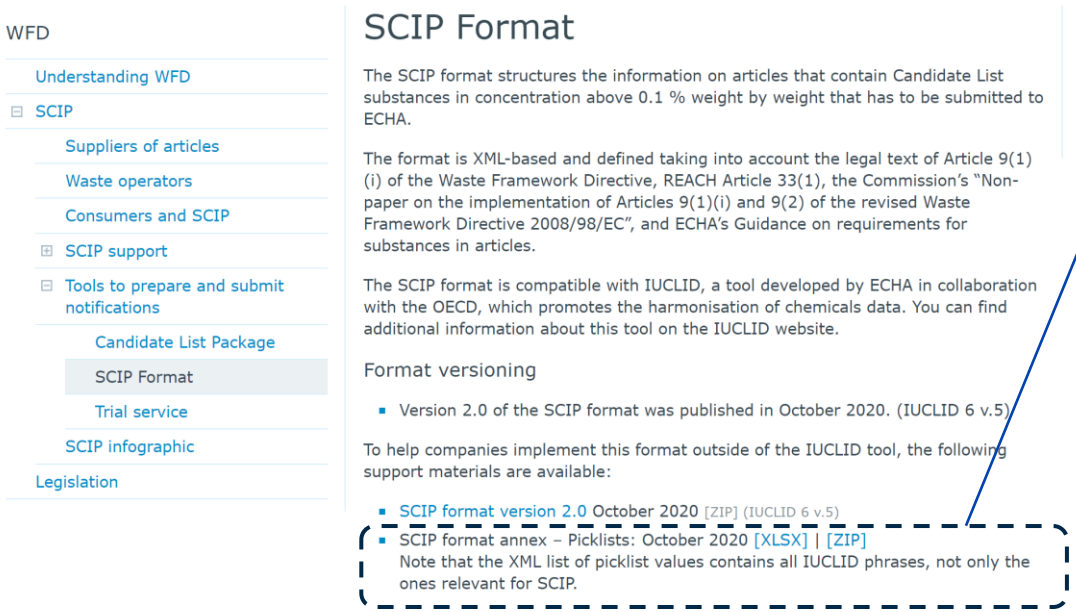
	A	B	C
1	Type.code	Type.other	Name
2	1342	alfa code	5454-alfa-46547
3			

IUCLID phrase ID

Identifier to be imported

Identifier	Text
66247	brand
66248	model
66249	type
1342	other

Where can I get the IUCLID Phrase ID list?



WFD

- Understanding WFD
- SCIP
  - Suppliers of articles
  - Waste operators
  - Consumers and SCIP
  - SCIP support
  - Tools to prepare and submit notifications
    - Candidate List Package
    - SCIP Format
    - Trial service
  - SCIP infographic
- Legislation

SCIP Format

The SCIP format structures the information on articles that contain Candidate List substances in concentration above 0.1 % weight by weight that has to be submitted to ECHA.

The format is XML-based and defined taking into account the legal text of Article 9(1)(i) of the Waste Framework Directive, REACH Article 33(1), the Commission's "Non-paper on the implementation of Articles 9(1)(i) and 9(2) of the revised Waste Framework Directive 2008/98/EC", and ECHA's Guidance on requirements for substances in articles.

The SCIP format is compatible with IUCLID, a tool developed by ECHA in collaboration with the OECD, which promotes the harmonisation of chemicals data. You can find additional information about this tool on the IUCLID website.

Format versioning

- Version 2.0 of the SCIP format was published in October 2020. (IUCLID 6 v.5)

To help companies implement this format outside of the IUCLID tool, the following support materials are available:

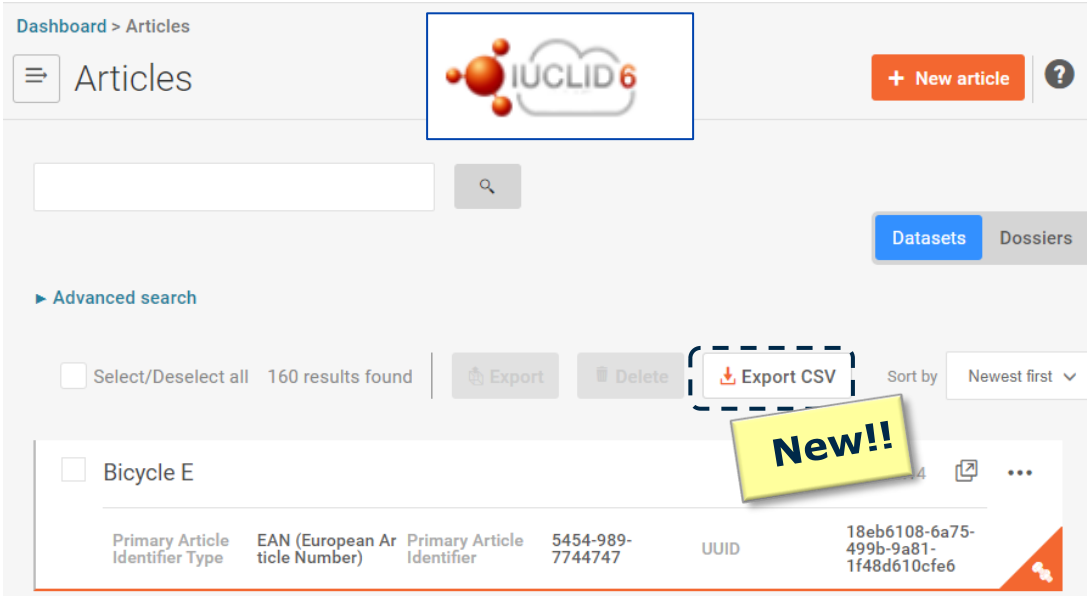
- SCIP format version 2.0 October 2020 [ZIP] (IUCLID 6 v.5)
- SCIP format annex – Picklists: October 2020 [XLSX] | [ZIP]
  Note that the XML list of picklist values contains all IUCLID phrases, not only the ones relevant for SCIP.

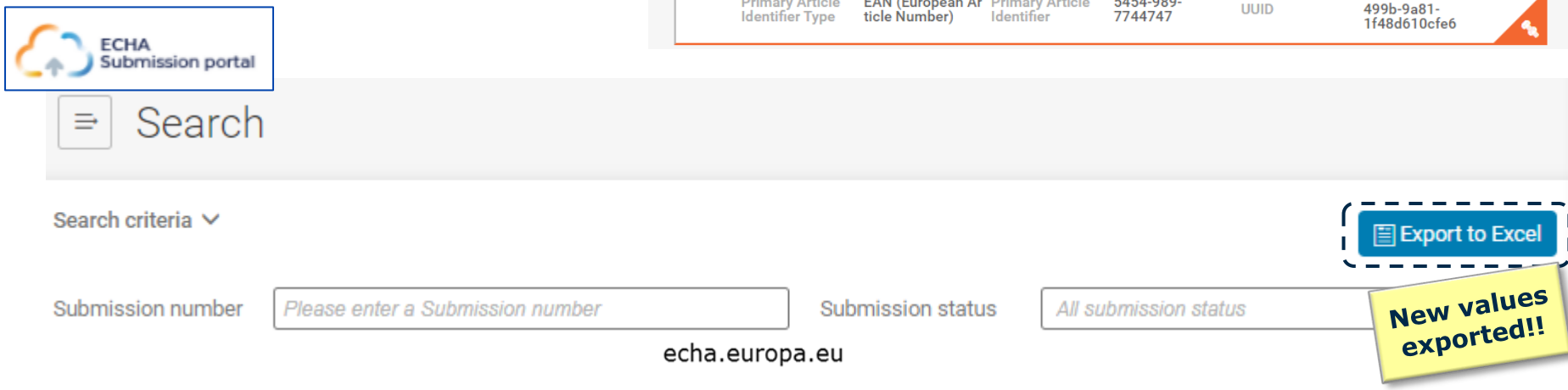
	Name type (PG6-60741 v1.0)
Identifier	Text
66247	brand
66248	model
66249	type
1342	other
	Primary article identifier type, Article identifier type (PG6-60746 v2.0)
Identifier	Text
66297	SCIP number
66298	GTIN (Global Trade Item Number)
66299	EAN (European Article Number)
66300	GPC (Universal Product Code)
66301	JAN (Japanese Article Number)
66302	UDI (Unique Device Identification)
66303	ISBN (International Standard Book Number)
66304	catalogue number
66305	batch number
66306	part number
66307	item number
66308	reference number
66309	serial number
1342	other:

https://echa.europa.eu/scip-format

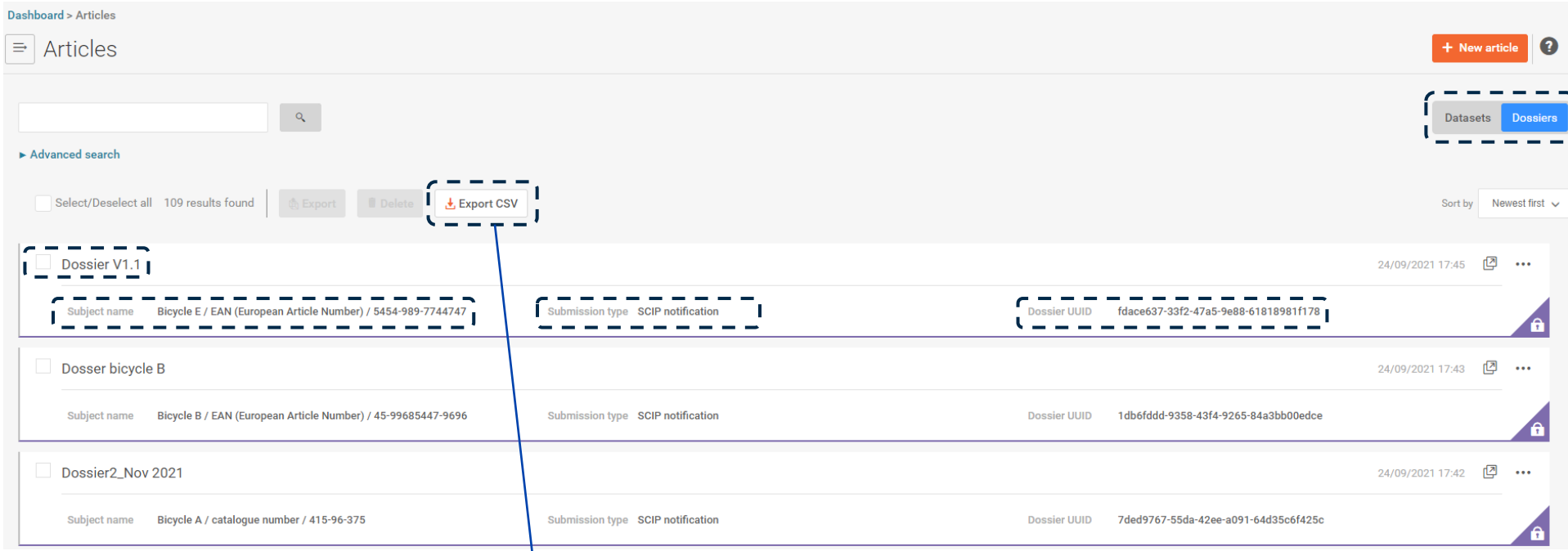
Improving portfolio management

- How can I extract the list of dossiers/datasets that I have created?
- How can I know which of my dossiers I have submitted?





Export "article list" dataset/dossier



	A	B	C	D	E	F	G	H
1	Dossier name	Working contex	Article Name	Primary identifier type	Primary identifier value	Dossier UUID	IUCLID entity URL	
2	Dossier V1.1	SCIP notification	Bicycle E	EAN (European Article Number)	5454-989-7744747	fdace637-33f2-47a5-9e88-61818981f178	2021-09-24T14:45:11.839Z	b8946
3	Dosser bicycle B	SCIP notification	Bicycle B	EAN (European Article Number)	45-99685447-9696	1db6fddd-9358-43f4-9265-84a3bb00edce	2021-09-24T14:43:24.655Z	b8946
4	Dossier2_Nov 2021	SCIP notification	Bicycle A	catalogue number	415-96-375	7ded9767-55da-42ee-a091-64d35c6f425c	2021-09-24T14:42:39.456Z	b8946
5	Dossier1_Sept 2020	SCIP notification	Bicycle A	catalogue number	415-96-375	d340259e-ec64-490d-a6ea-20969bb6b82f	2021-09-24T14:41:47.758Z	b8946

IUCLID Entity URL

	A	B	C	D	E	F	G	H
1	Dossier name	Working contex	Article Name	Primary identifier type	Primary identifier value	Dossier UUID	IUCLID entity URL	
2	Dossier V1.1	SCIP notification	Bicycle E	EAN (European Article Number)	5454-989-7744747	fdace637-33f2-47a5-9e88-61818981f178	2021-09-24T14:45:11.839Z	b8946
3	Dosser bicycle B	SCIP notification	Bicycle B	EAN (European Article Number)	45-99685447-9696	1db6fddd-9358-43f4-9265-84a3bb00edce	2021-09-24T14:43:24.655Z	b8946
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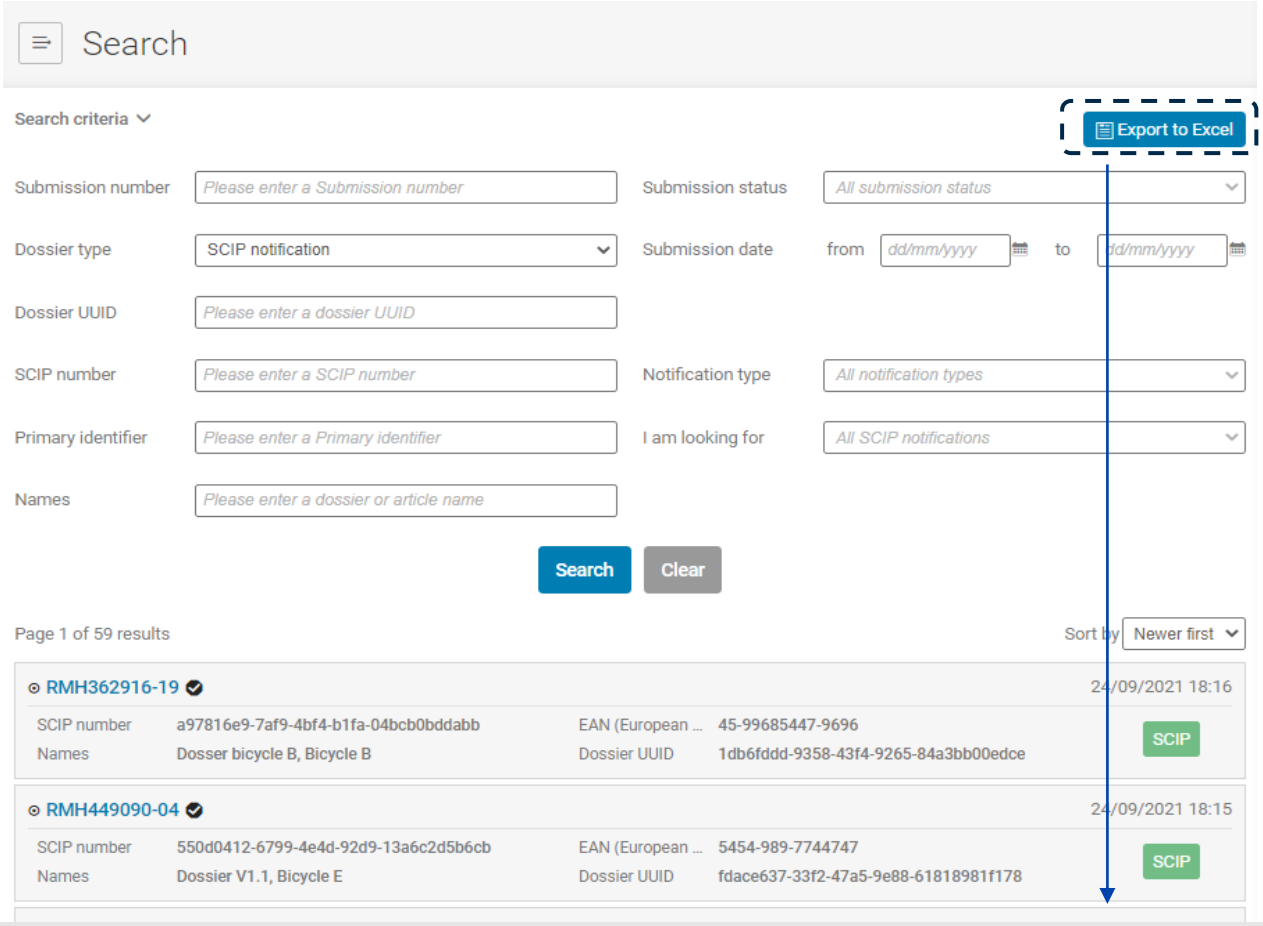
- ✓ In a browser, this URL will open the article IUCLID entity related
- ✓ Prior authentication is needed to access the data (you can only access to the data you have in your IUCLID instance).

Dossier UUID now in "Export to excel"



User can compare the dossiers UUDIs extracted in IUCLID with the dossier UUIDs extracted in the ECHA Submission portal

	A	B	C	D	E	F
1	Reference number	Names	Identifiers type	Identifiers	Dossier UUID	Dossie
2	a97816e9-7af9-4bf4-b1fa-04bcb0bddabb	Dosser bicycle B, Bicycle B	EAN (European Article N	45-99685447-9696	1db6fddd-9358-43f4-9265-84a3bb00edce	SCIP nc
3	550d0412-6799-4e4d-92d9-13a6c2d5b6cb	Dossier V1.1, Bicycle E	EAN (European Article N	5454-989-7744747	fdace637-33f2-47a5-9e88-61818981f178	SCIP nc

Tools to prepare and submit 2022

Upcoming for the tools to prepare and submit 2022

- Next year will be focus on stabilising the tools to prepare and submit information (no major developments).
- SCIP IT user group will remain open (low frequency) to continue engaging with data submitters
- Provide your feedback!!!

Next SCIP events

ECHA
EUROPEAN CHEMICALS AGENCY

✓ **6 October**

Safer Chemical Conference 2021

More details in this link

✓ **Early December**

Webinar: How to search data in the SCIP database

✓ **27 January 2022 (15-16.30 Helsinki time)**

SCIP IT user group

Please follow our website for updates

Thank you for your participation!

scip@echa.europa.eu

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