

IT implementation of the SCIP database

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European Chemicals Agency





Key points

- Overall timelines
- Who is contributing
- An overview of what we are building
- The IUCLID format for SCIP

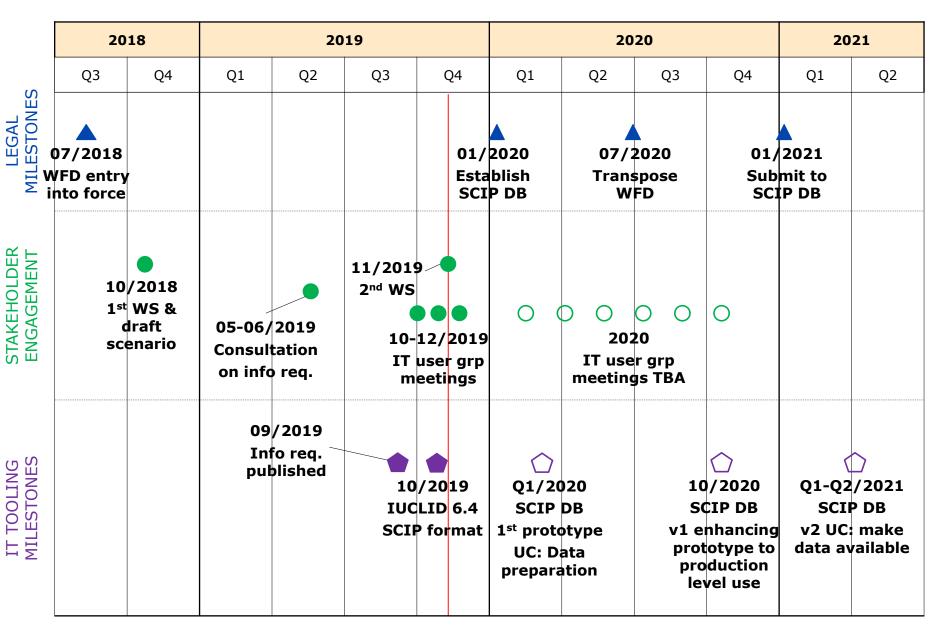
09:30-10:30

IT implementation of the SCIP database (30 min. + 30 min. Q&A)

- **IUCLID** format
- Data preparation and submission (ECHA Cloud)
- Dissemination
- IT user group state of play

Tom Uotila, IT project manager, ECHA







SCIP IT user group participants

- ACEA
- ASD
- Apple
- APPLiA
- Assent Compliance Inc
- Boeing
- BOMcheck
- DXC Technology
- ECD Compliance
- EDRA
- EUPC
- EuroCommerce
- Euromot
- IBM

- Intel
- iPoint-System GmBH
- Kemi
- Kingfisher
- Lear Corporation
- Opesus AG
- ORGALIM
- Papros Inc
- PFA
- Philips
- Siemens
- SMEunited
- LIFE AskREACH project



Revised Waste Framework Directive Art 9(2)

2. The European Chemicals Agency shall establish a database for the data to be submitted to it pursuant to point (i) of paragraph 1 by 5 January 2020 and maintain it. The European Chemicals Agency shall provide access to that database to waste treatment operators. It shall also provide access to that database to consumers upon request.

Prepare and submit the data

A *database* is an <u>organised</u> collection of data

Provide access to the data

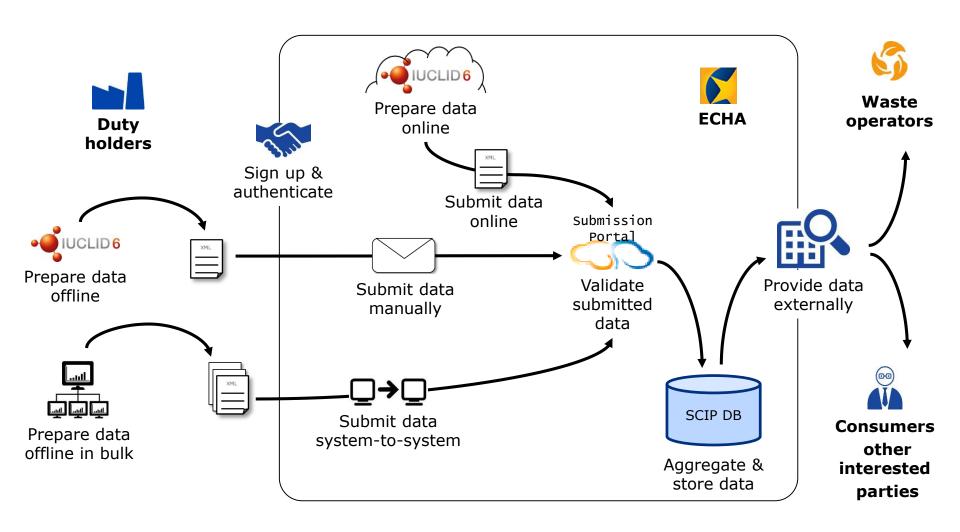


Underlying design considerations

- Usefulness of the SCIP DB vs. burden on industry
- Transparency vs. legitimate confidentiality concerns
- One size, fits all
- Keep it simple
- Reuse existing data structures
- Reuse ECHA IT resources
- Prototyping



SCIP database - system overview





IUCLID6 – format and application

- IUCLID6 formats provide the pre-established layouts for data on chemicals in a regulatory context
- IUCLID6 application is a suite of tools supporting the processing of this data
- Some of these tools include
 - Data preparation tool



Validation assistant



Report generator



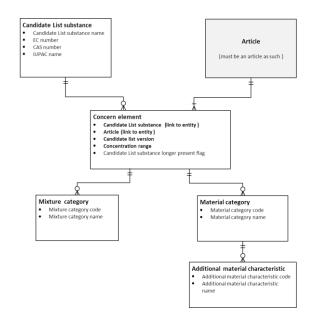


IUCLID format for SCIP

 Technically, the format is a set of XSD (XML schema definition) files

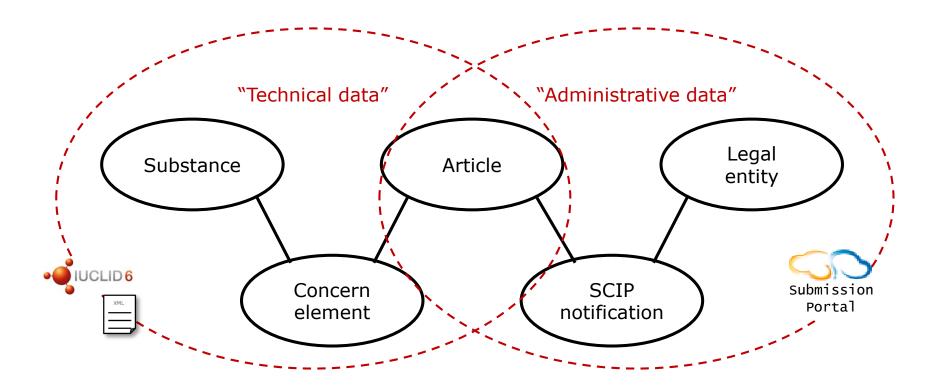
```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns="http://iuclid6.echa.europa.eu/namespaces/manifest/v1"</pre>
    xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xlink="http://www.w3.org/1999/xlink"
    attributeFormDefault="unqualified" elementFormDefault="qualified"
    targetNamespace="http://iuclid6.echa.europa.eu/namespaces/manifest/v1">
    <xs:annotation>
       <xs:appinfo>Manifest XML Schema Definition</xs:appinfo>
    </xs:annotation>
    <xs:import namespace="http://www.w3.org/1999/xlink" schemaLocation="xlink.xsd"/>
    <!-- General Information -->
    <xs:complexType name="general-informationType">
        <xs:annotation>
            <xs:documentation>Holds the elements under the "general-information" section</xs:documentation>
        </xs:annotation>
        <xs:sequence>
            <xs:element type="xs:string" name="title">
                <xs:annotation>
                   <xs:documentation>The name that should be displayed as a first element, once opening the XM
                </xs:annotation>
            <xs:element type="xs:string" name="created">
               <xs:annotation>
                   <xs:documentation>The creation date of the i6z file/xs:documentation>
                </xs:annotation>
            <xs:element type="xs:string" name="author">
               <xs:annotation>
                   <xs:documentation>The IUCLID user (i.e. concatenation of "First name" and "Last name") that
                </xs:annotation>
            </xs:element>
            <xs:element type="xs:string" name="application">
               <xs:annotation>
                   <xs:documentation>It is by default "IUCLID6" and in a parenthesis the release version and b
                </xs:annotation>
            </xs:element>
            <xs:element type="xs:string" name="submission-type">
                <xs:annotation>
                    <xs:documentation>The submission type of the dataset. The list of valid submission types is
<1i>ENDP</1i>
EXPERIMENTAL DATA
<1i>OECD</1i>
OECD HT
R AUTH APPL
```

 From a business perspective, these XSD files implement the information requirements





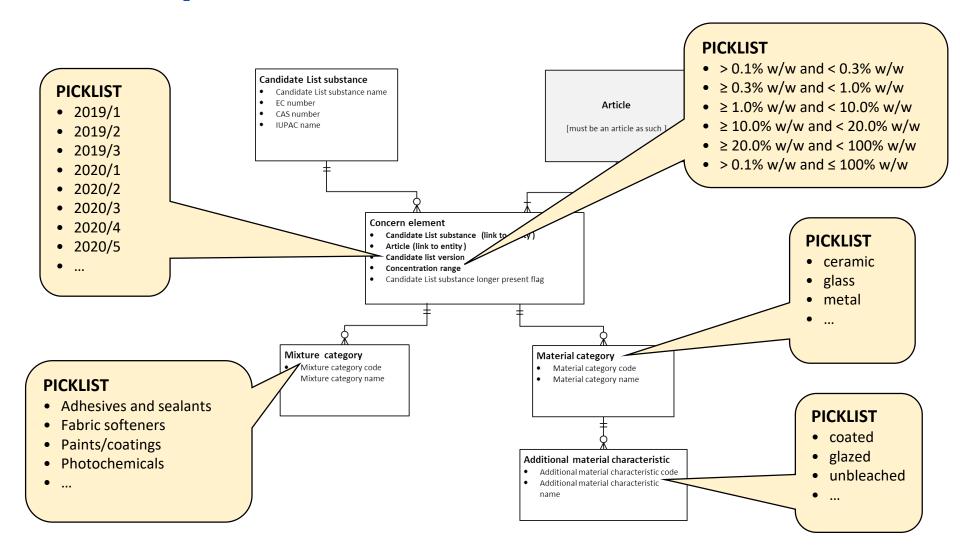
SCIP format core entities







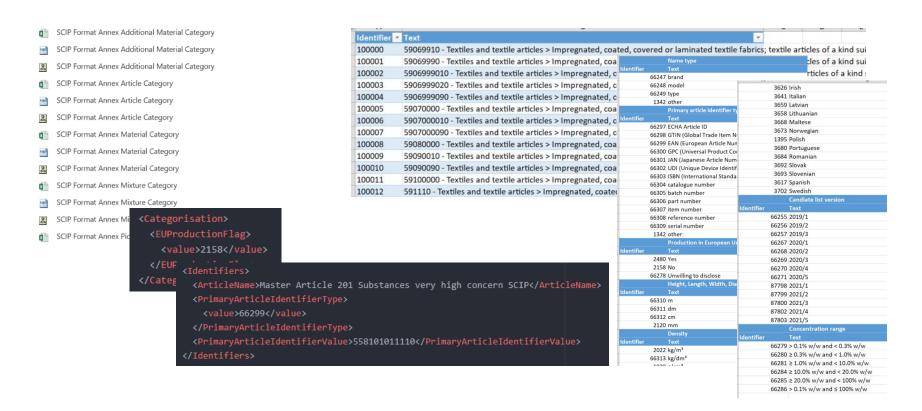
Example: Format defines allowed values

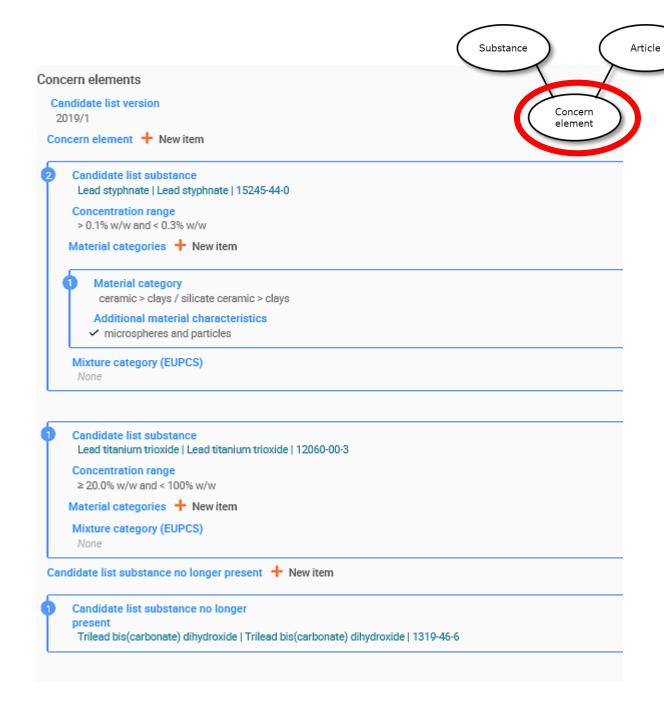




Allowed values

 The SCIP format also defines and enforces allowed values for certain fields (picklist values)



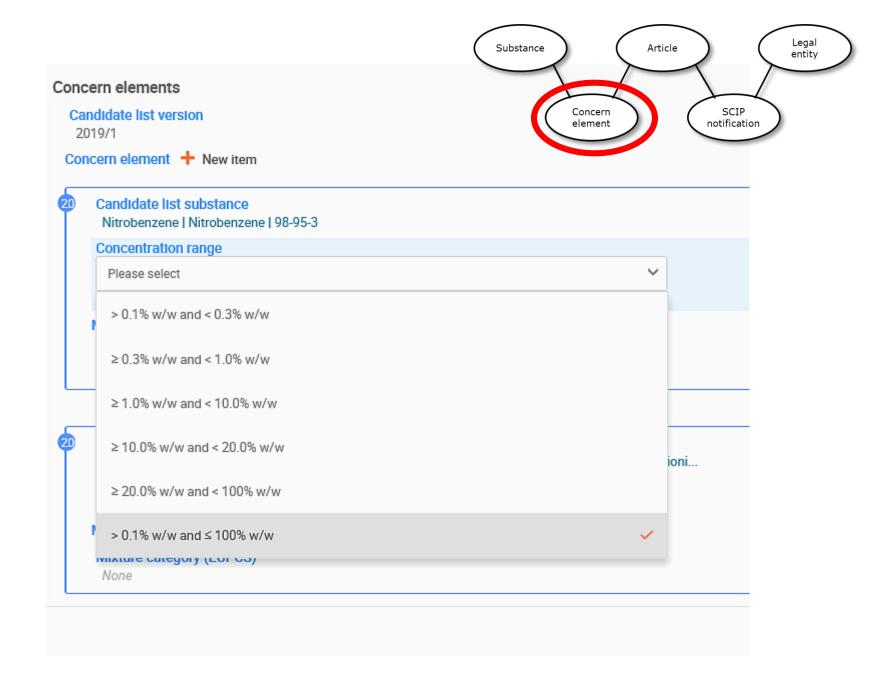


Legal

entity

SCIP

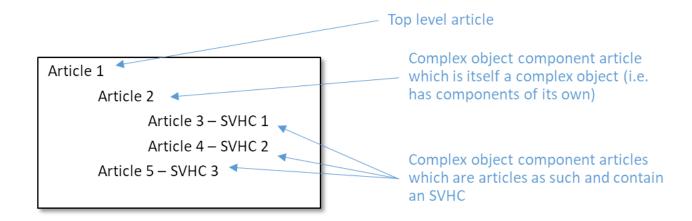
notification





Using the format comes with responsibility

- The format is intentionally flexible
- A lot of room for discretion lies with the duty holders
 - In particular with how a complex object's hierarchy is reported



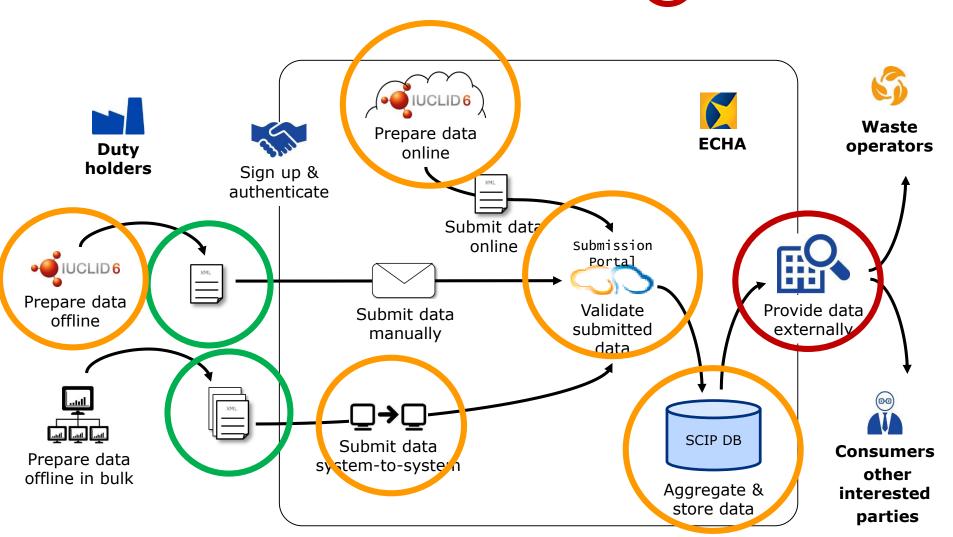


In conclusion

Complete

In the making

Starting up



Questions?

