![BfR - Bundesinstitut für Risikobewertung]

# A possible project management workflow

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# Before we want to design a project management workflow

# we need a term clarification

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# What dose it mean: Aggregated raw data ⇔ Textual summary?

| | Object Group | Object | Substance | Dose Group | Sample Group | Time | Value | Unit |
|---|---|---|---|---|---|---|---|---|
| 1 | Object Group | Object | Substance | Dose Grou | Sample Group | Time | Value | Unit |
| 2 | Crop | Sugar beet | Parent 1 | DG1 | Plant | 1d | 4 | mg/kg |
| 3 | Crop | Sugar beet | Parent 1 | DG1 | Plant | 5d | 2,5 | mg/kg |
| 4 | Crop | Sugar beet | Parent 1 | DG1 | Plant | 10d | 0,8 | mg/kg |
| 5 | Crop | Sugar beet | Parent 1 | DG1 | Plant | 30d | 0,1 | mg/kg |
| 6 | Crop | Sugar beet | Parent 1 | DG1 | Plant | 180d | <0,001 | mg/kg |
| 7 | Crop | Sugar beet | Unknown 001 | DG1 | Plant | 1d | 0,1 | mg/kg |
| 8 | Crop | Sugar beet | Unknown 001 | DG1 | Plant | 5d | 0,001 | mg/kg |
| 9 | Crop | Sugar beet | Unknown 001 | DG1 | Plant | 10d | <0,001 | mg/kg |
| 10 | Crop | Sugar beet | Unknown 001 | DG1 | Plant | 30d | <0,001 | mg/kg |
| 11 | Crop | Sugar beet | Unknown 001 | DG1 | Plant | 180d | <0,001 | mg/kg |
| 12 | Crop | Sugar beet | Unknown 002 | DG1 | Plant | 1d | 0,1 | mg/kg |
| 13 | Crop | Sugar beet | Unknown 002 | DG1 | Plant | 5d | 0,001 | mg/kg |
| 14 | Crop | Sugar beet | Unknown 002 | DG1 | Plant | 10d | <0,001 | mg/kg |
| 15 | Crop | Sugar beet | Unknown 002 | DG1 | Plant | 30d | <0,001 | mg/kg |
| 16 | Crop | Sugar beet | Unknown 002 | DG1 | Plant | 180d | <0,001 | mg/kg |
| 17 | Crop | Sugar beet | M001 | DG1 | Plant | 1d | 0,5 | mg/kg |
| 18 | Crop | Sugar beet | M001 | DG1 | Plant | 5d | 0,2 | mg/kg |

Example of the level of detail of aggregated raw data.

This level makes no sense for the OHTs. No other data consumer of this level of detail exists.

MetaPath has to support flexible pivot reports

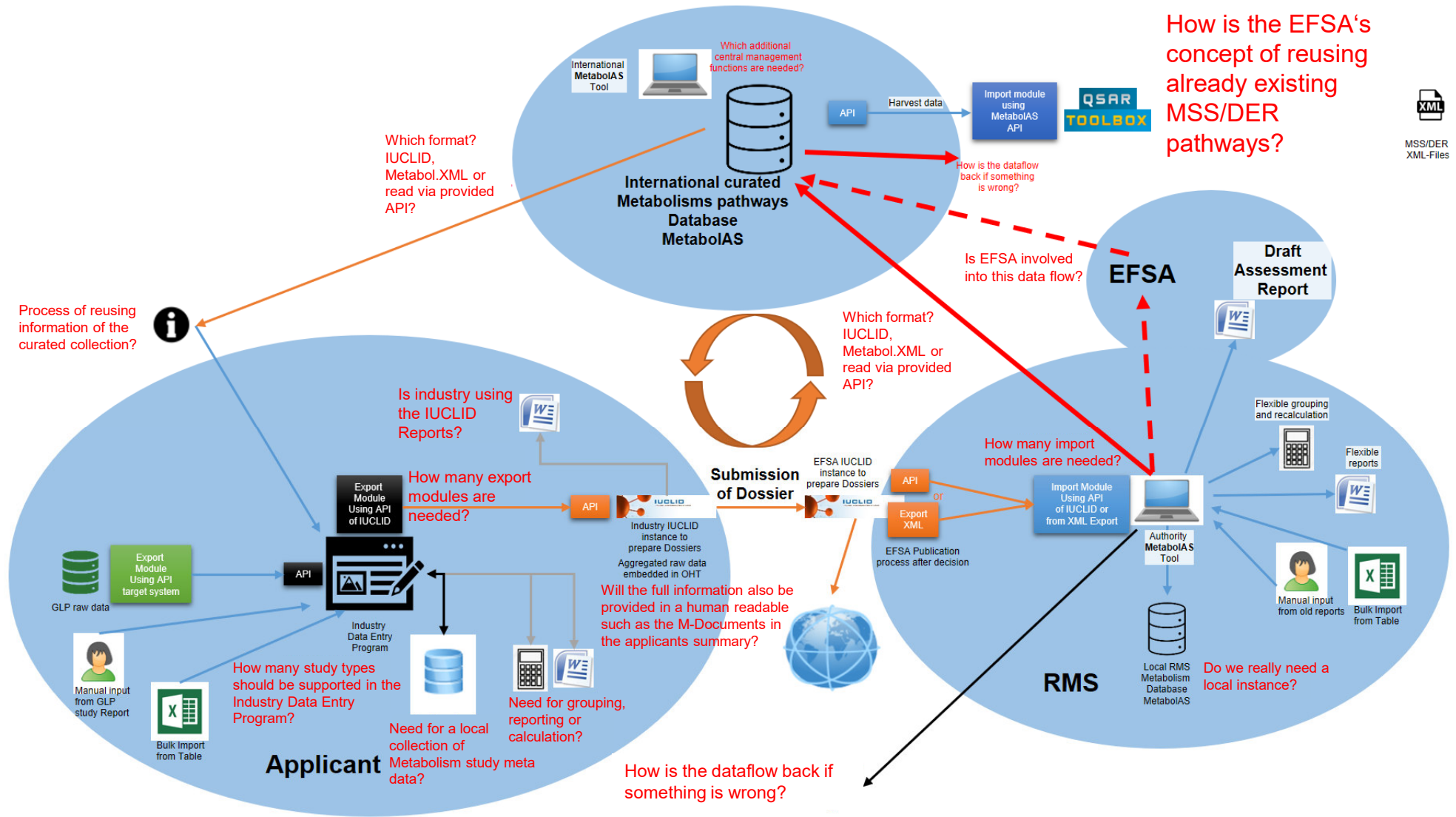Table … : Average Substance concentration in sugar beets 24h after application of ….. Parent 1

| | DG1 | DG2 |
|---|---|---|
| M001 | 0,50 | 0,60 |
| M002 | 0,56 | 0,76 |
| Parent 1 | 4,00 | 50,00 |
| Unknown 001 | 0,10 | 0,50 |
| Unknown 002 | 0,10 | 0,30 |
| **Sum** | **1,05** | **10,43** |

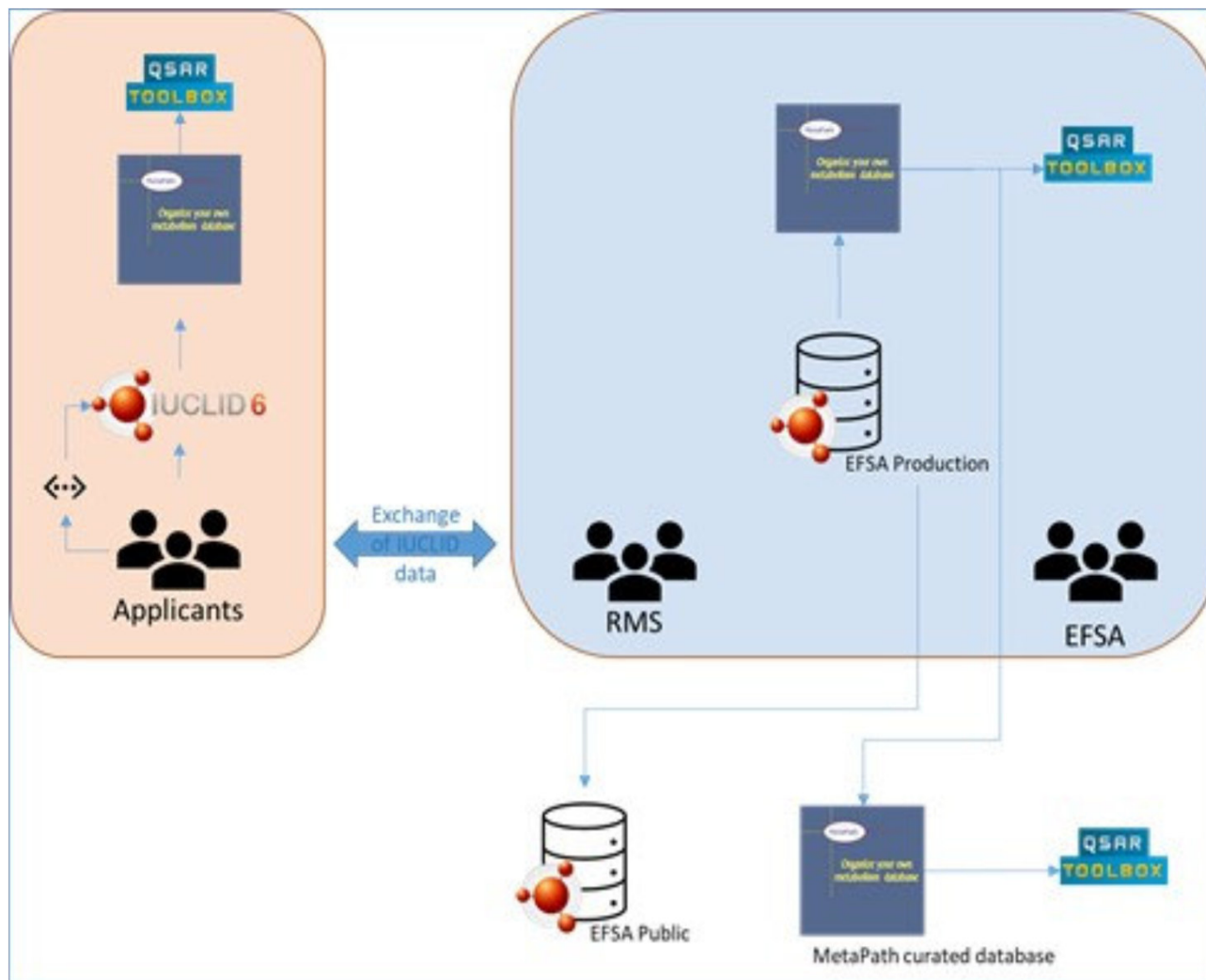| | A | B | C |
|---|---|---|---|
| 1 | Time | 1d | |
| 2 | | | |
| 3 | Mittelwert von Value | Spaltenbeschriftungen | |
| 4 | Zeilenbeschriftungen | DG1 | DG2 |
| 5 | M001 | 0,50 | 0,60 |
| 6 | M002 | 0,56 | 0,76 |
| 7 | Parent 1 | 4,00 | 50,00 |
| 8 | Unknown 001 | 0,10 | 0,50 |
| 9 | Unknown 002 | 0,10 | 0,30 |
| 10 | Gesamtergebnis | 1,05 | 10,43 |
| 11 | | | |

This is the level of detail needed in Rich-Text fields of the OHT's e.g. "Applicant's summary and conclusion"

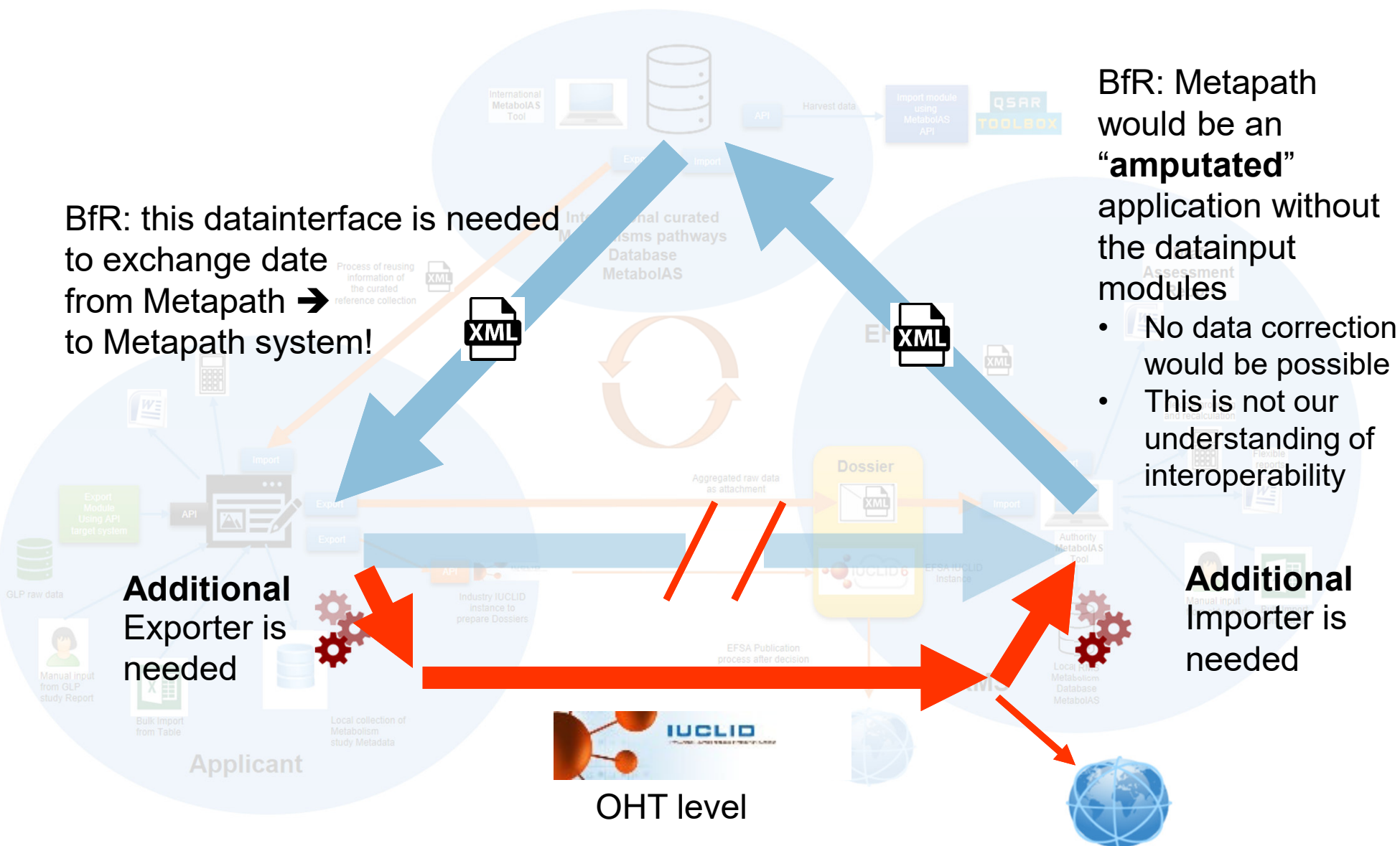# Interoperability between IUCLID and the improved Metapath BfR Questions



https://seafile.bfr.berlin/f/9df1c6c9cce243fcb1f4/?dl=1

# Interoperability between IUCLID and the improved Metapath
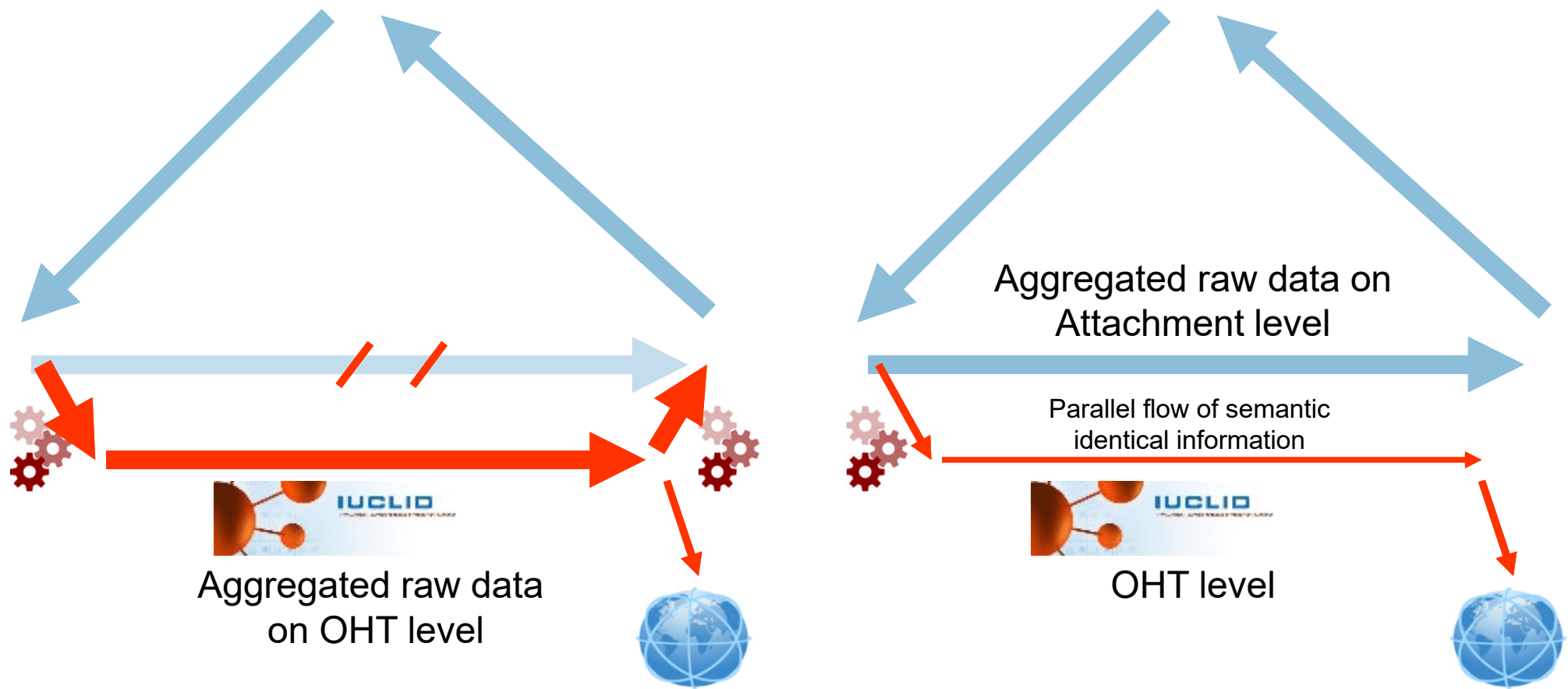## BfR Questions: The ECHA proposal



https://seafile.bfr.berlin/f/5c1fc8f343704a88b2ff/?dl=1

# Interoperability between IUCLID and the improved Metapath
BfR Questions: The ECHA proposal completed by BfR

BfR: this datainterface is needed to exchange date from Metapath ➜ to Metapath system!

BfR: Metapath would be an "**amputated**" application without the datainput modules

- No data correction would be possible
- This is not our understanding of interoperability

**Additional** Exporter is needed

**Additional** Importer is needed

OHT level

# Interoperability between IUCLID and the improved Metapath
## BfR Questions: The needed dataflow – high level model

Aggregated raw data on
Attachment level

Parallel flow of semantic
identical information

OHT level

Aggregated raw data
on OHT level

# Interoperability between IUCLID and the improved Metapath BfR preferred solution
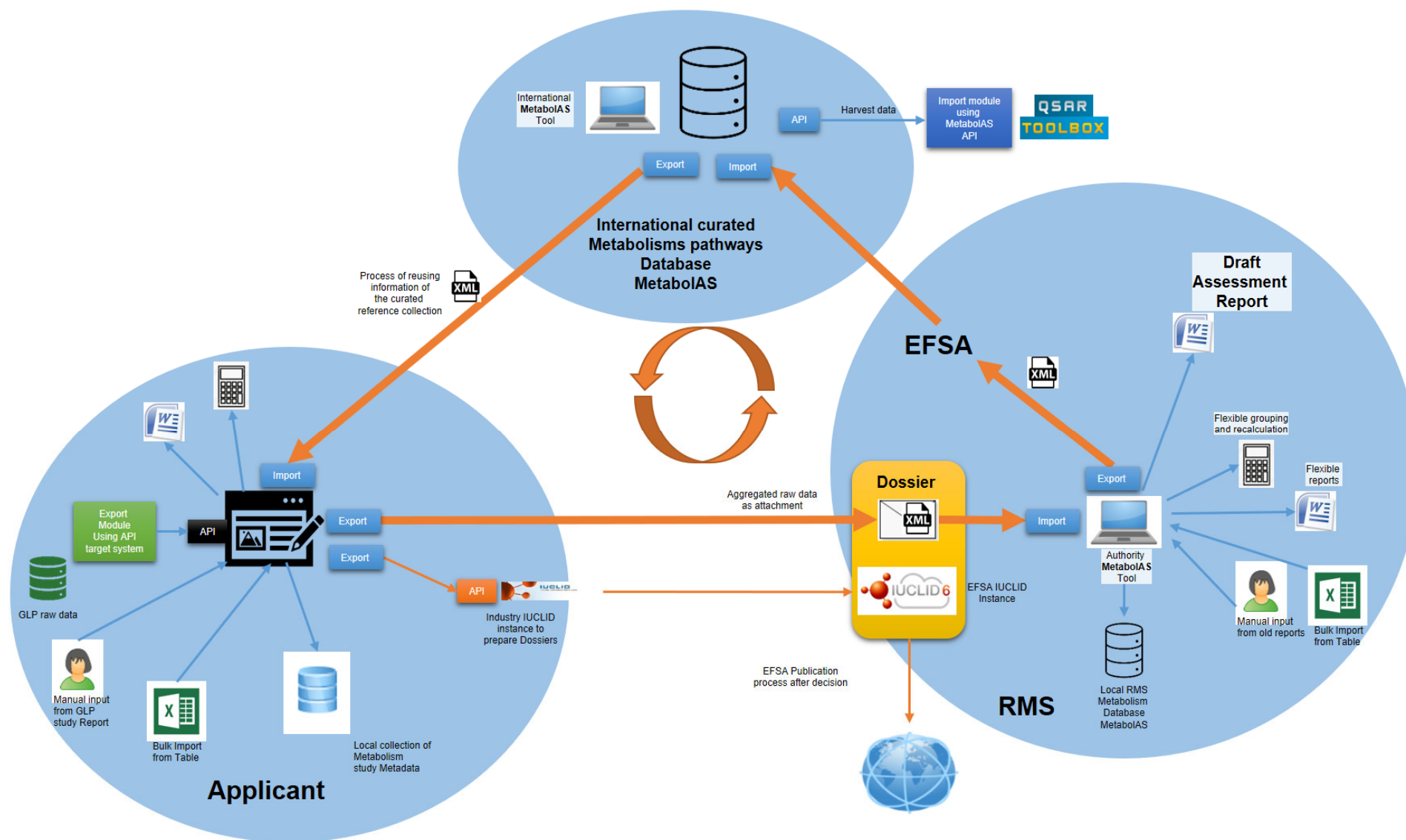
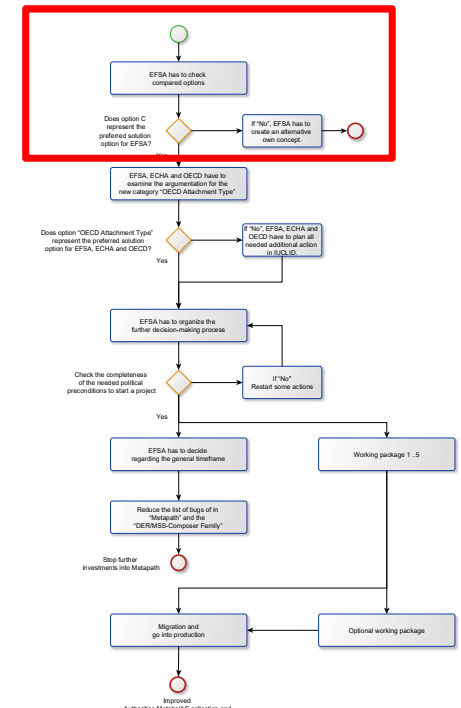# The topic for today

## A possible project management workflow

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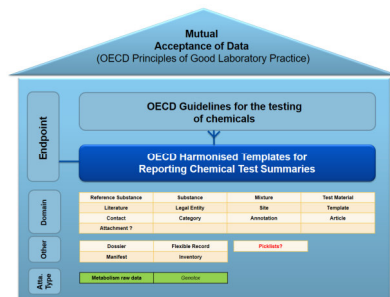# EFSA will get the active role back with the BfR final report

**EFSA**
- Framework Partnership Agreement GP/EFSA/AMU/2020/02
- Special Agreement SA1
- Interoperability solutions 4.1.3

**BfR**

| January Stakeholder Survey | September Comment draft Report | November MUG Sessions | December Final Report 12/2021 |

**EFSA**
- **The pre-project phase: The EFSA decision making process**
  - Which improvement options meet the user requirements?
  - Decision on the transport concept
  - Further decision-making process
  - Organize an intermediate phase
- **Organize work packages**

# The pre-project phase: The EFSA decision making process

Much more design properties and user functions!



EFSA has to check
**compared options**

Does option C
represent the
preferred solution
option for EFSA?

If "No", EFSA has to
create an alternative
own concept.

Yes

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# The pre-project phase: The EFSA decision making process
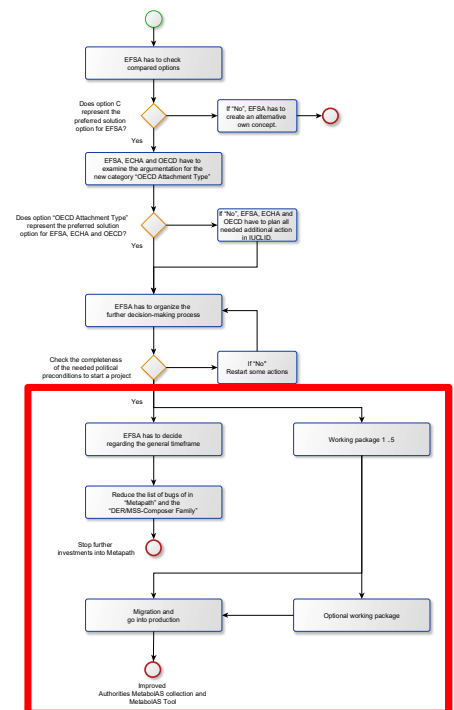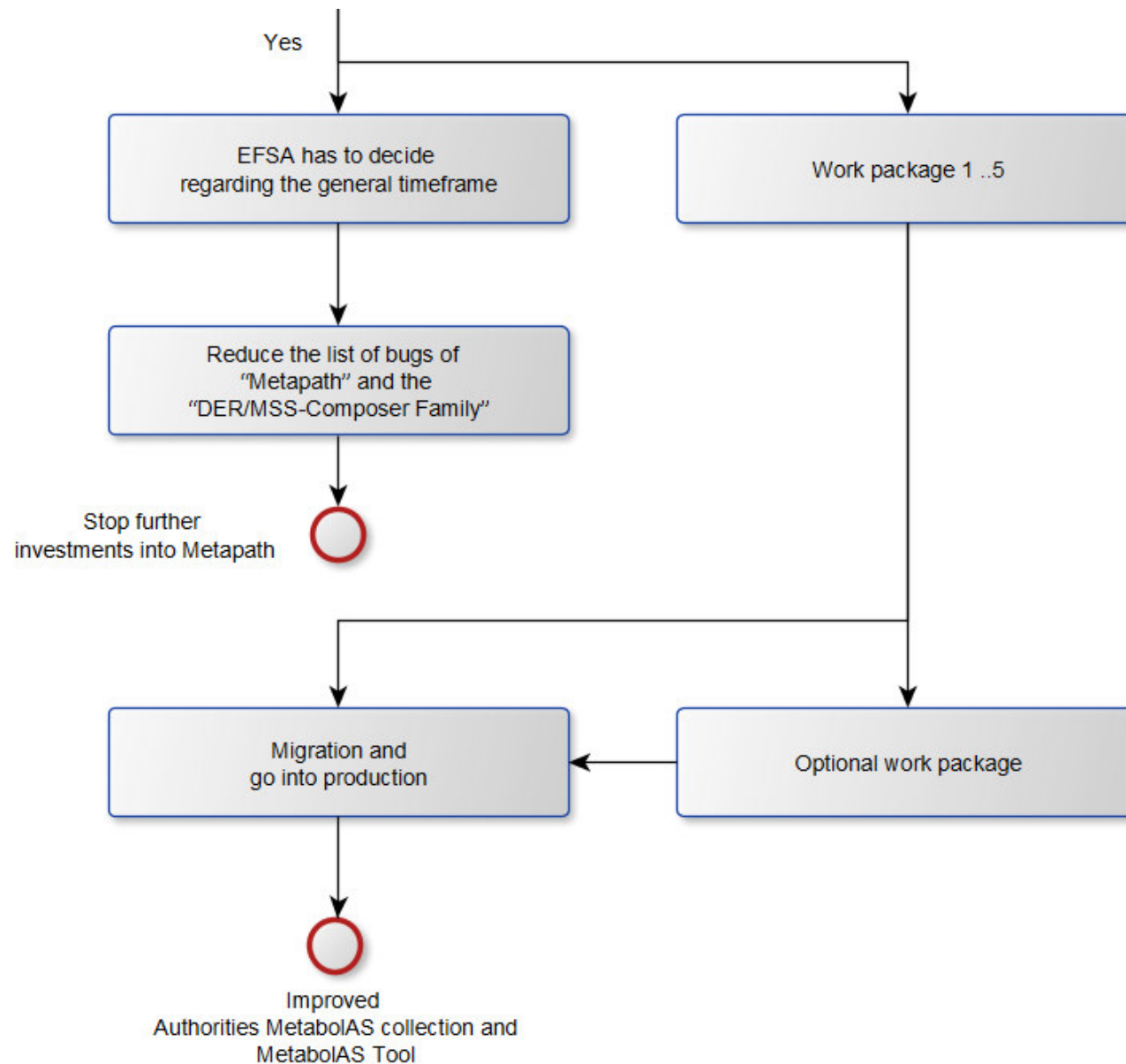


because of

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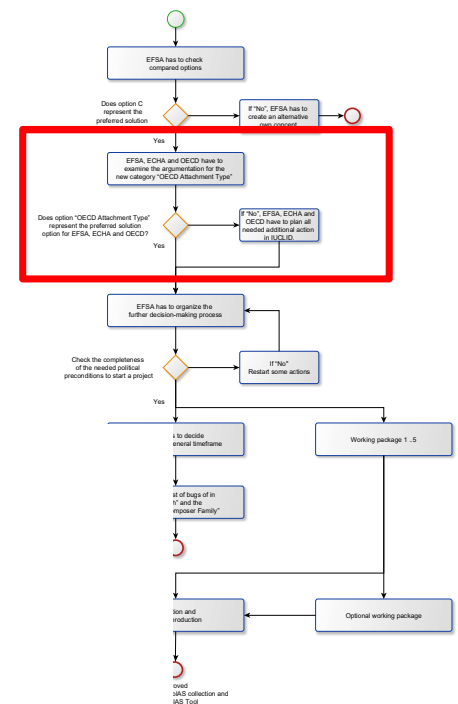
# The pre-project phase: The EFSA decision making process
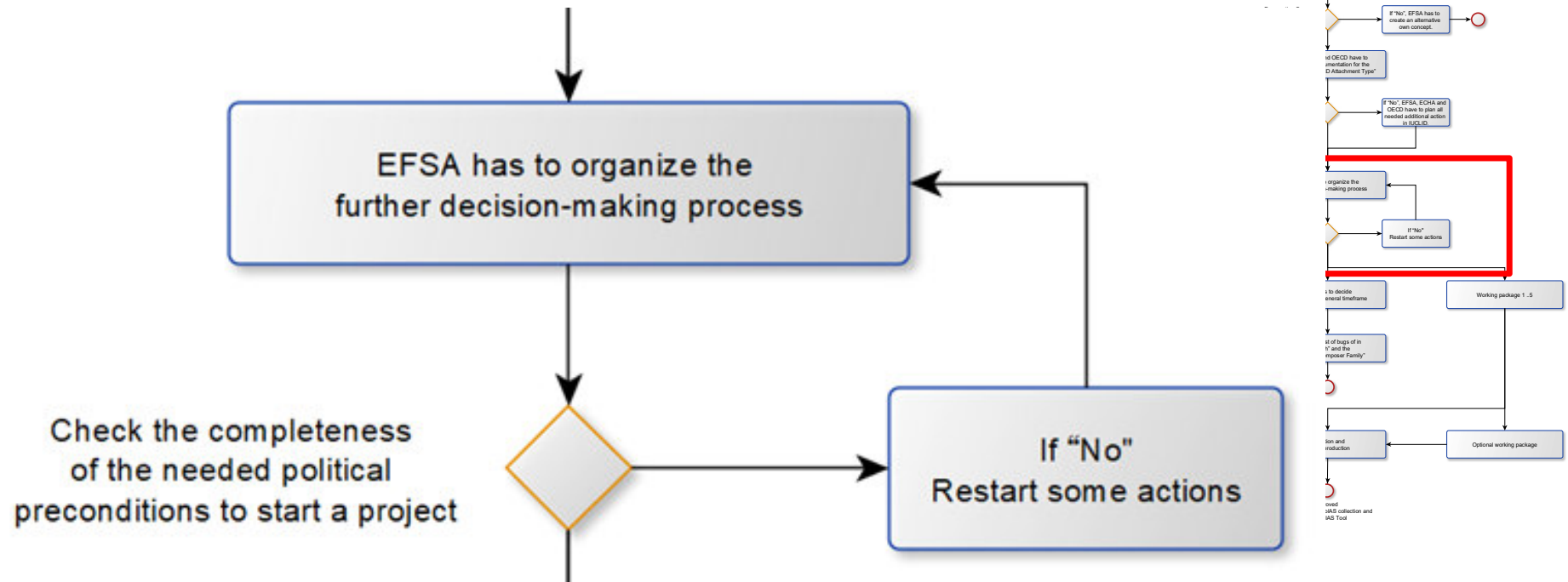


**Milestone:**

All the necessary political preconditions have been met and EFSA is able to define a general timeframe.

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# The pre-project phase: The EFSA decision making process

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# Proposed tasks of WP1

**WP1**

→

WP2

→

WP3

→

WP4

→

WP5

1. Start to define high level concepts

2. Collect missing information and update concepts

3. Define high level technical concepts

4. Define Picklists

- Map needed picklists with existing data ontologies from EFSA / picklists from IUCLID

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# Proposed tasks of WP2

| | |
|---|---|
| **WP1** → **WP2** → WP3 → WP4 → WP5 | 1. Define the "Target Database Structure" and create "Pilot Database" |
| | 2. Define use cases and the content of the user interface modules |
| | 3. If it is an "Open Source Project": |

- Set up repository and project management
- Prepare CLA (Contributor License Agreement),
- Prepare CoC (Code of Conduct),
- Organise Community-Structure and governance

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# Proposed tasks of WP3 + WP4

**WP1**

**WP2**

**WP3**

**WP4**

**WP5**

1.  Prepare the migration

2.  Programming of basic modules (read)

3.  Programming of advanced modules (write)

**Milestone:**

All needed basic and advanced modules are ready to go into production with local "MetabolAS collections"
The "DER/MSS-Composer Family" and "Metapath" are no longer required.

# Proposed tasks of WP5

**WP1**

**WP2**

**WP3**

**WP4**

**WP5**

1. Modules to support a reference collection

2. Management of user result sets

3. API for external access

**Milestone:**
The curated international "Authorities MetaboIAS collection" could be opened for external tools by API.

The EFSA "Science Cloud" with "curated" collections, identity management … could be a potential target platform for an "**international Authorities MetaboIAS collection**"

# Thank you for your attention

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