



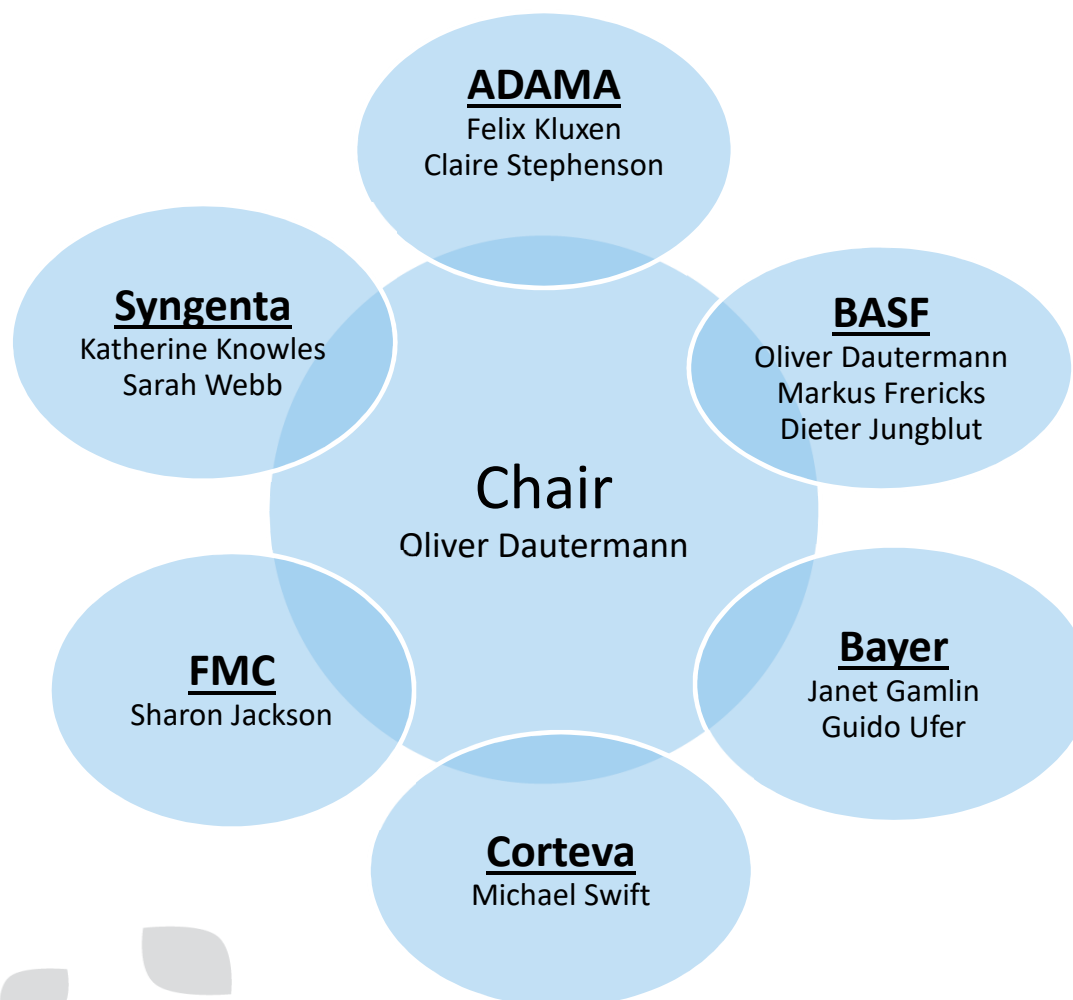
# CropLife EUROPE

## Industries View on the Metabolism Data Flow

Oliver Dautermann

November 16, 2021 – MetaPath User Group Workshop 2, MS Teams

# CLE MetaPath Group Members



# The CLE MetaPath Group



The Group shall **support the technical development of MetaPath and the Composer software.**

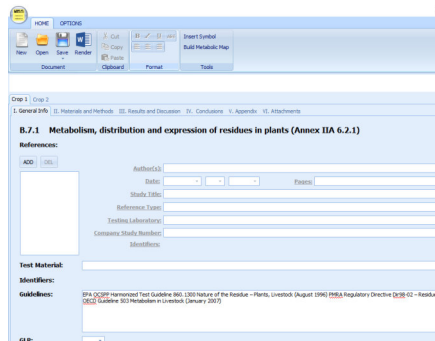
## Overall Aim:

- **Improve the Metabolism Data Flow**
- **Fulfill Needs of Applicants**
- **Meet Requirements of EU Transparency Regulation**
- **Allow Consistent Assessment of Authorities**



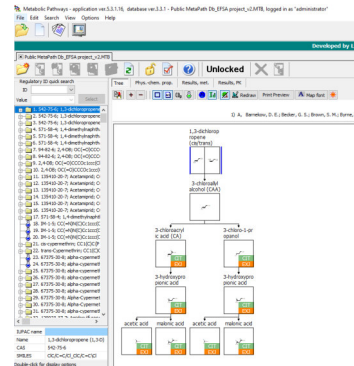
# Situation analysis

## MetaPath Composer



- not user-friendly
- lacks essential functions
- error-prone
- multiple composers
- plenty of software bugs
- complicated error fixing

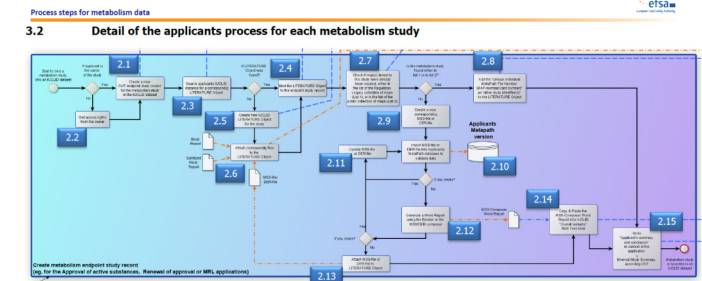
## MetaPath Database



- not user-friendly
- lacks important functions
- no API / interoperability



## Data Flow



- not user-friendly
- unnecessarily complicated
- no metabolism data in IUCLID report

## Room for Improvement and Bug Fixes

# Situation analysis: Pain Points



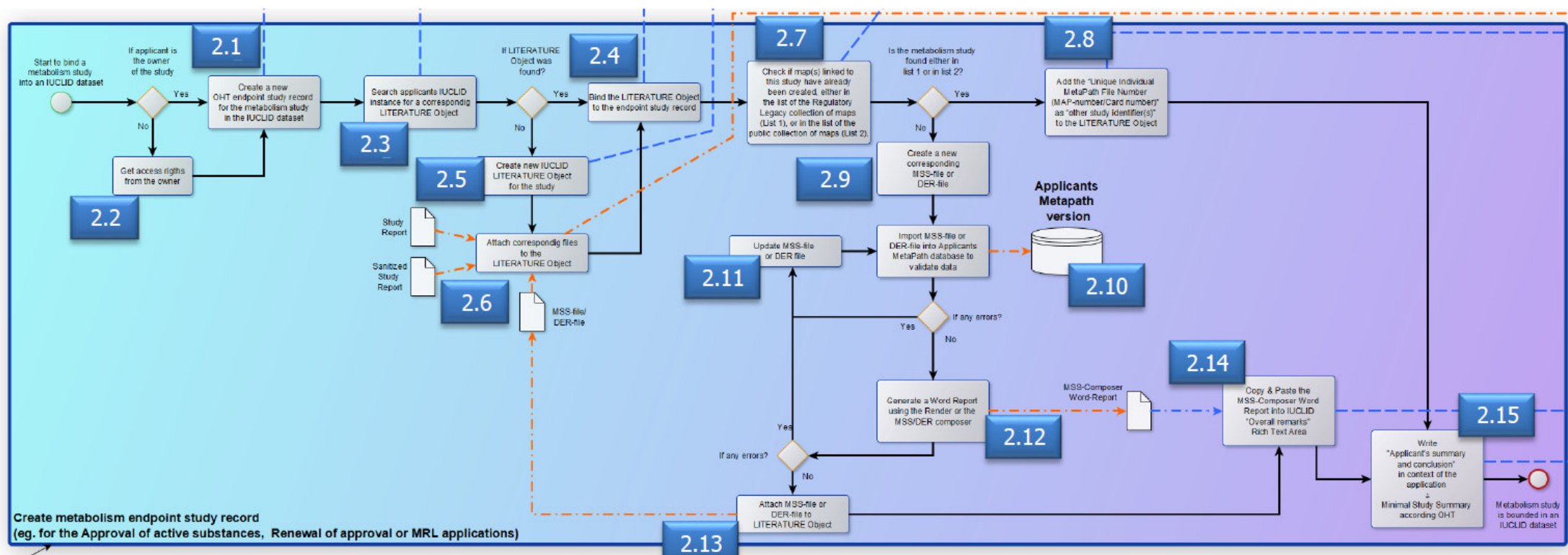
- **User-friendliness and usability:** interface and performance
- **Manual data entry / flow** of GLP data instead of automated approach
- **Accuracy of data:** Markush structures, text field limitations
- **Connection of metabolites (chemical structure) and data points**
- **Not centrally-hosted:** multiple software/versions, forward-/backward-compatibility
- **Limited access to EFSA-processed studies & no clear rules on publication process**



# Situation analysis: Pain Point Data Flow

## Process steps for metabolism data

### 3.2 Detail of the applicants process for each metabolism study



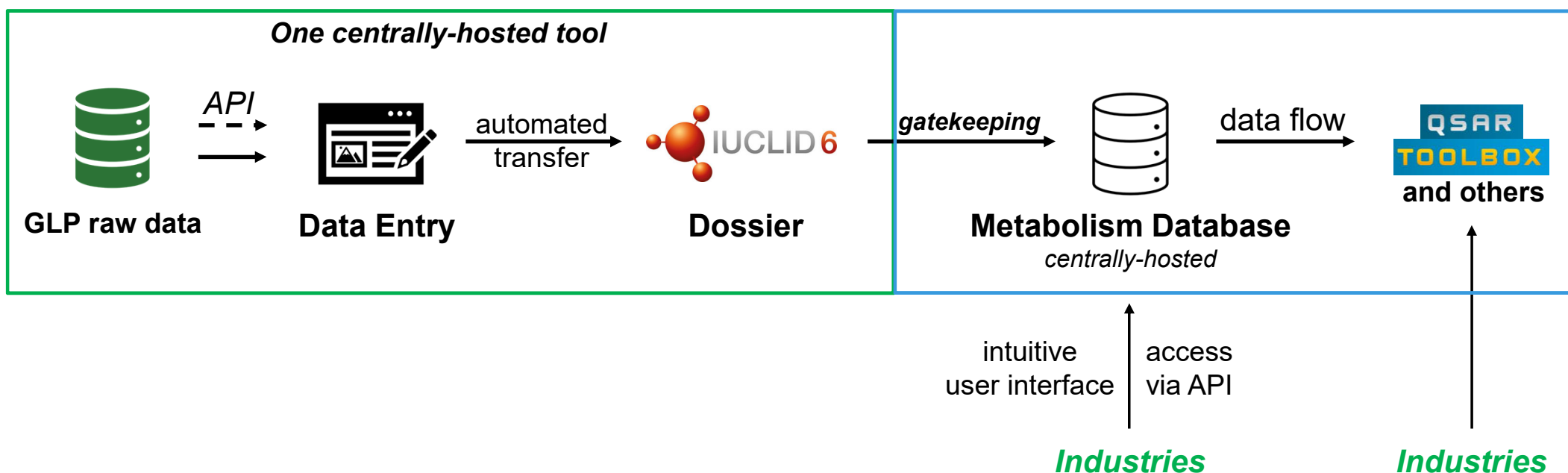
from: Reporting structured results of metabolism studies on rats, plants and livestock – Description of process steps of the information flow in EU (EFSA, 25 May 2021)

# Vision on Metabolism Data Flow



*Industries*

*Authorities*



harmonized long-term approach at global level

# Thank you!

