



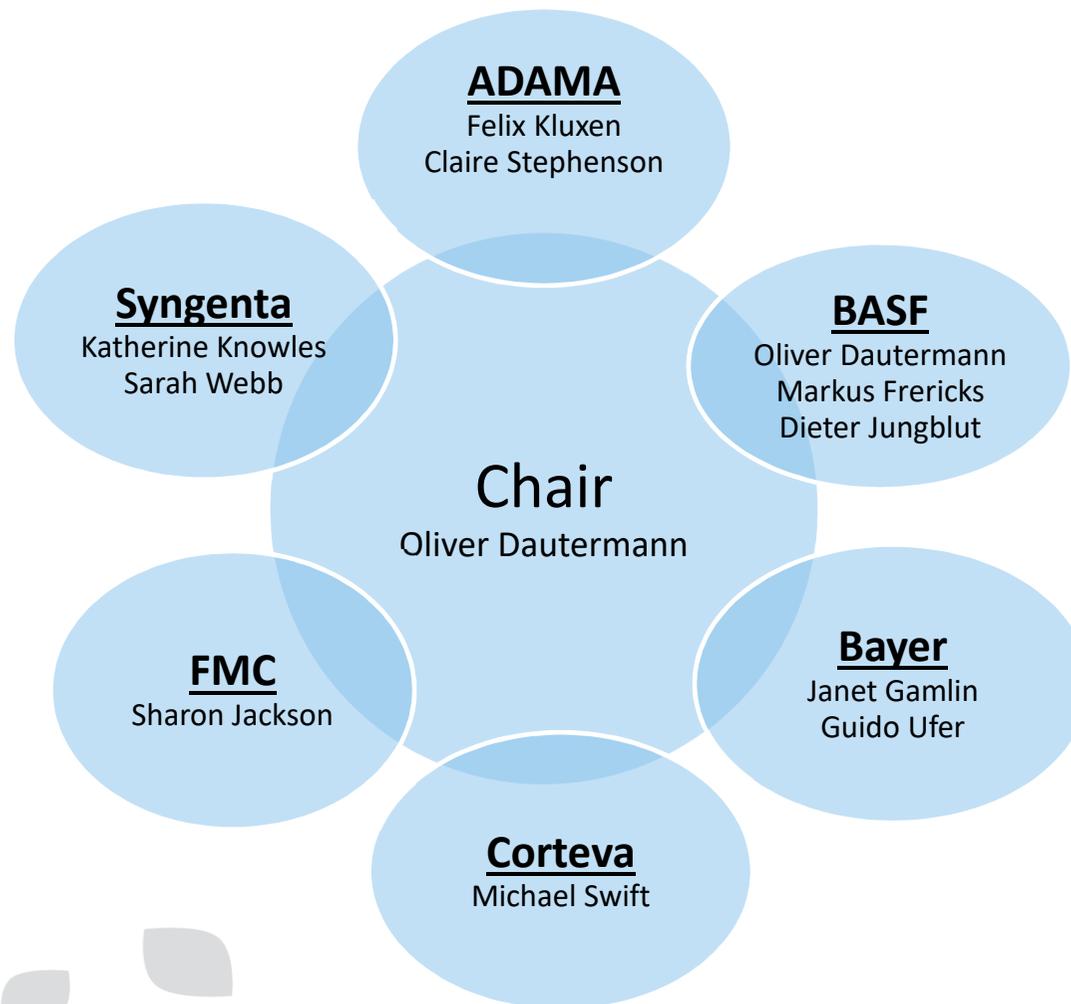
CropLife EUROPE

Industries View on the Metabolism Data Flow

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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:

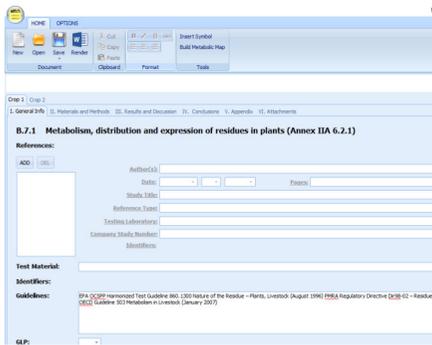
- **Improve the Metabolism Data Flow**
- **Fulfill Needs of Applicants**
- **Meet Requirements of EU Transparency Regulation**
- **Allow Consistent Assessment of Authorities**



Situation analysis

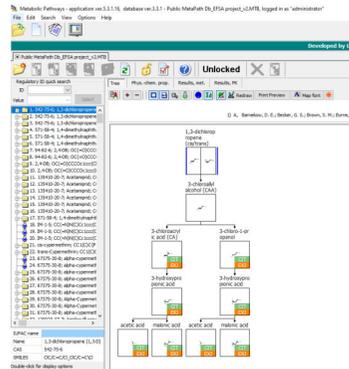


MetaPath Composer



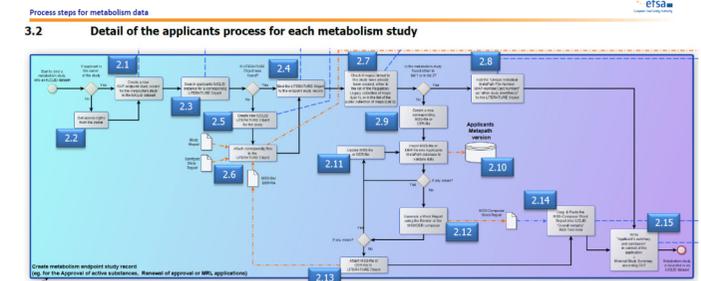
- not user-friendly
- lacks essential functions
- error-prone
- multiple composers
- plenty of software bugs
- complicated error fixing

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



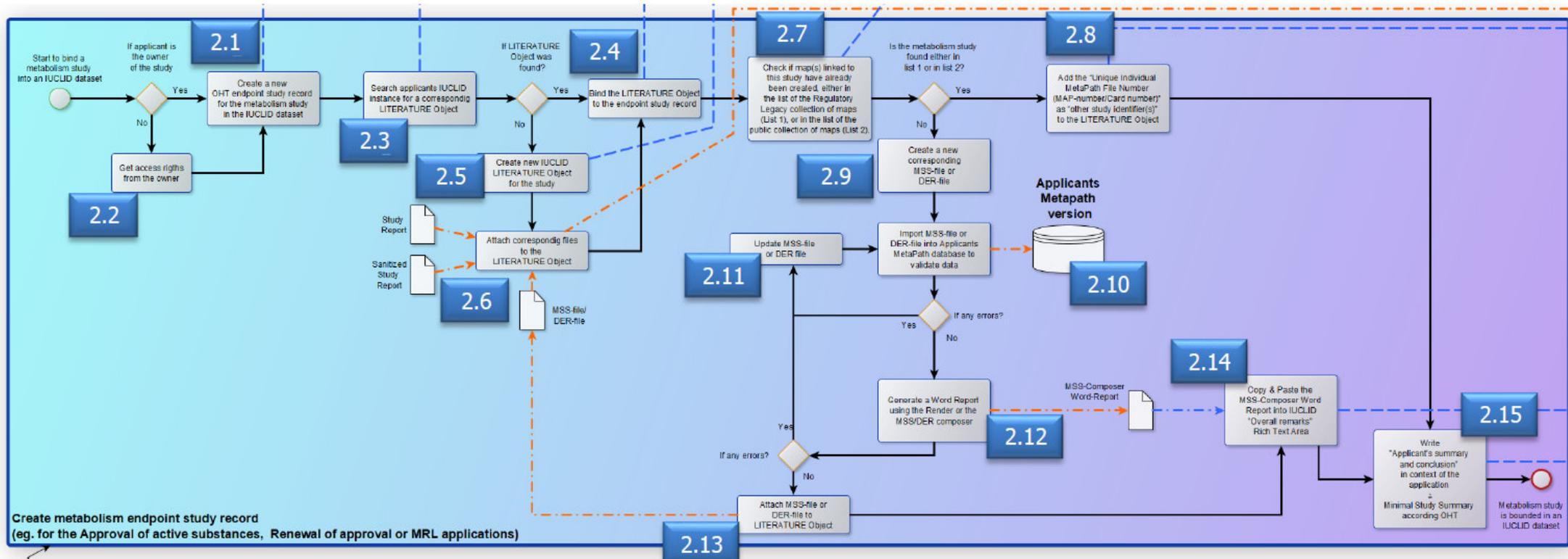
- **User-friendliness and usability:** interface and performance
- **Manual data entry / flow** of GLP data instead of automated approach
- **Accuracy of data:** Markush structures, text field limitations
- **Connection of metabolites (chemical structure) and data points**
- **Not centrally-hosted:** 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



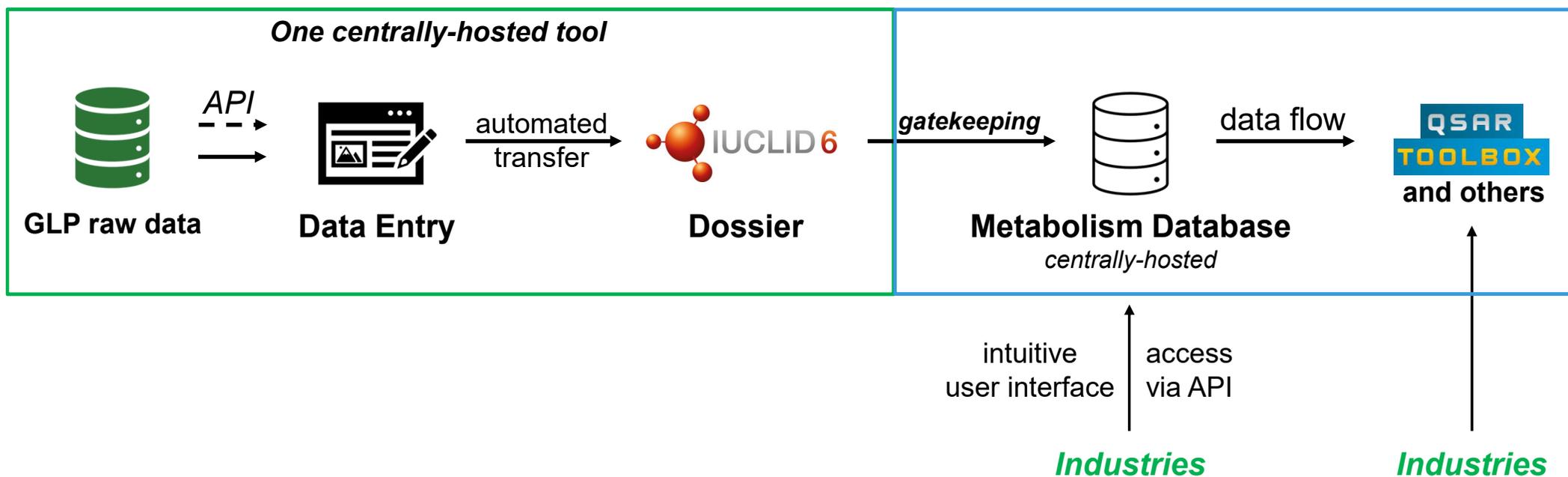
from: Reporting structured results of metabolism studies on rats, plants and livestock – Description of process steps of the information flow in EU (EFSA, 25 May 2021)

Vision on Metabolism Data Flow



Industries

Authorities



harmonized long-term approach at global level





Thank you!

