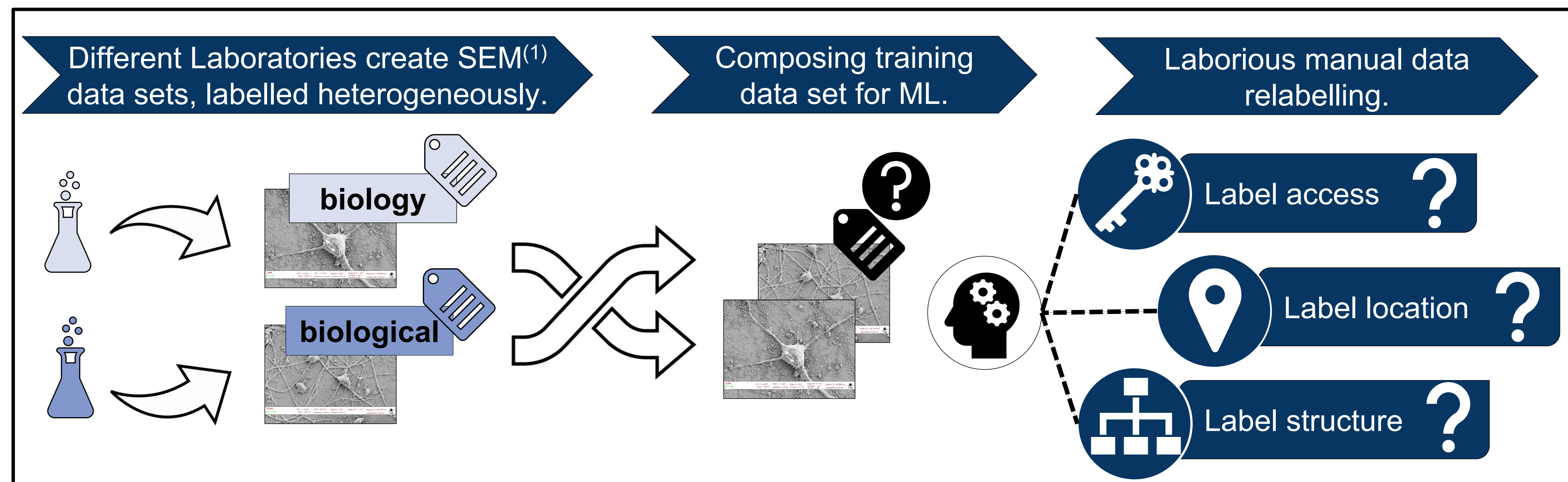


FAIR DO Application Case for Composing Machine Learning Training Data

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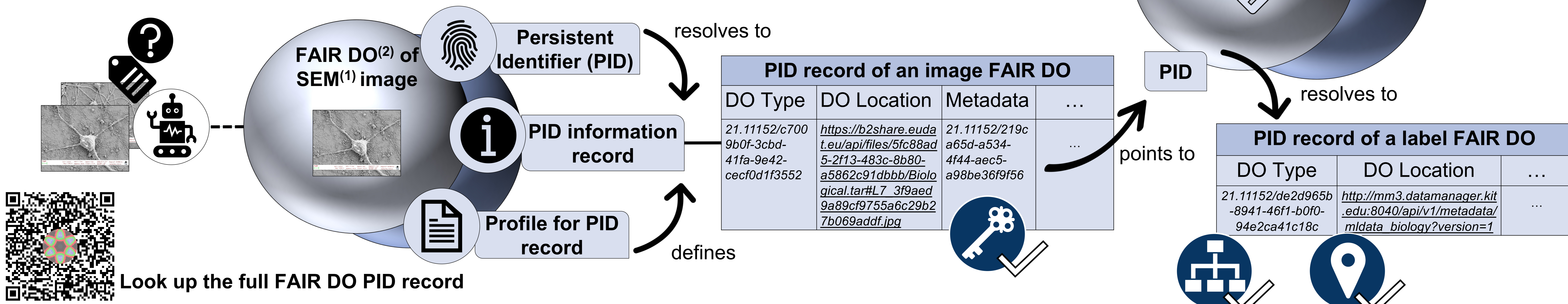
Composing Machine Learning (ML) training data sets from heterogeneous sources is laborious due to their relabelling into uniform categories.



Conclusions

- Images and their labels represented as FAIR DOs can be located and accessed easier.
- FAIR DOs enable machine actionable decisions on the data.
- This supports automated relabelling and saves a lot of time for the scientist.

To automate this task, the FAIR Digital Object (FAIR DO) concept can be used.



(1) Scanning Electron Microscopy (SEM) data set, provided by R. Aversa et. al. <http://doi.org/10.23728/b2share.19cc2afd23e34b92b36a1dfd0113a89f>

(2) Introduction to PIDs and FAIR DOs: <https://kit-data-manager.github.io/fairdo-cookbook/about.html>