

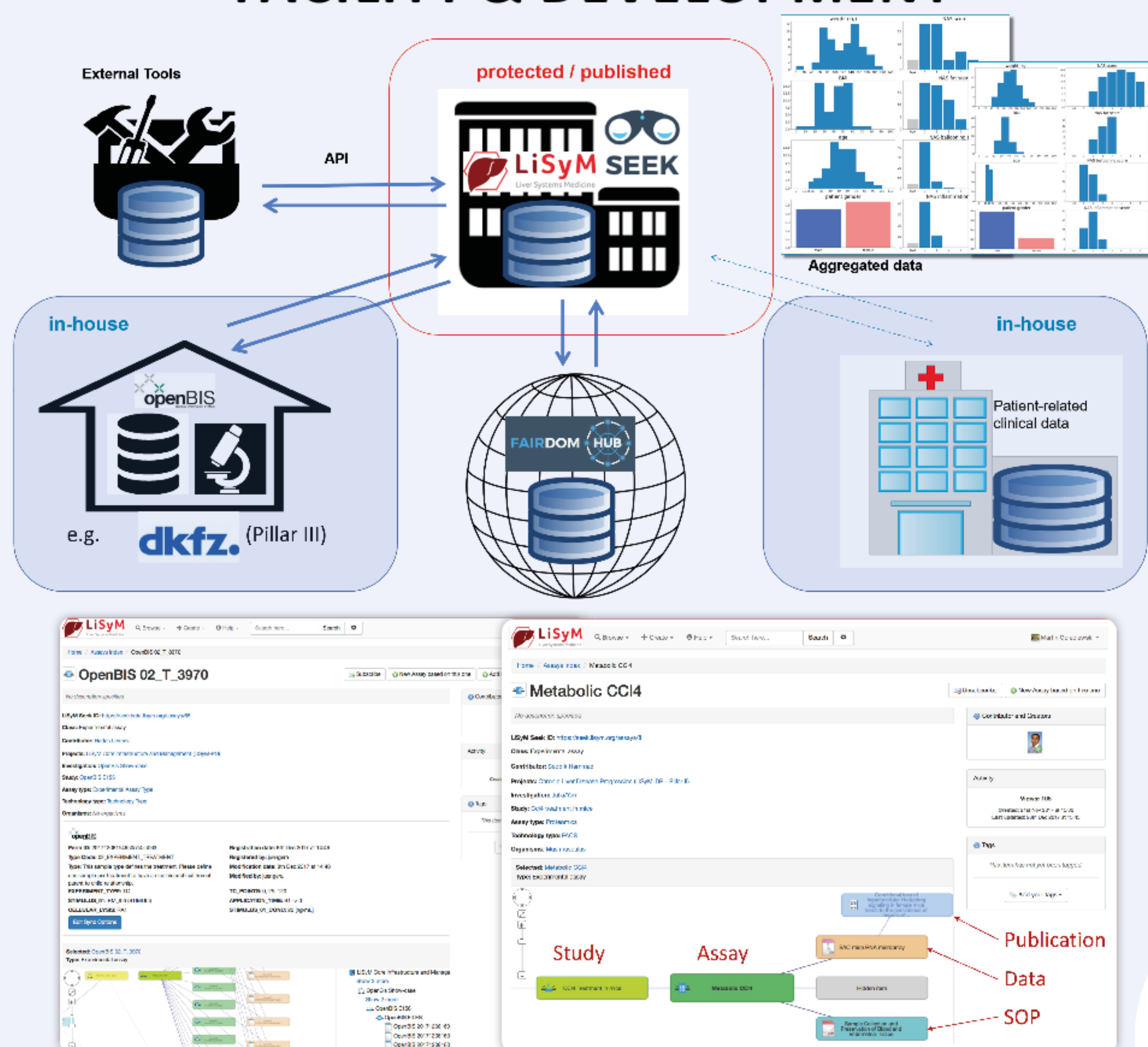
# Data Needs Structure: Data and Model Management for Systems Biology and Systems Medicine

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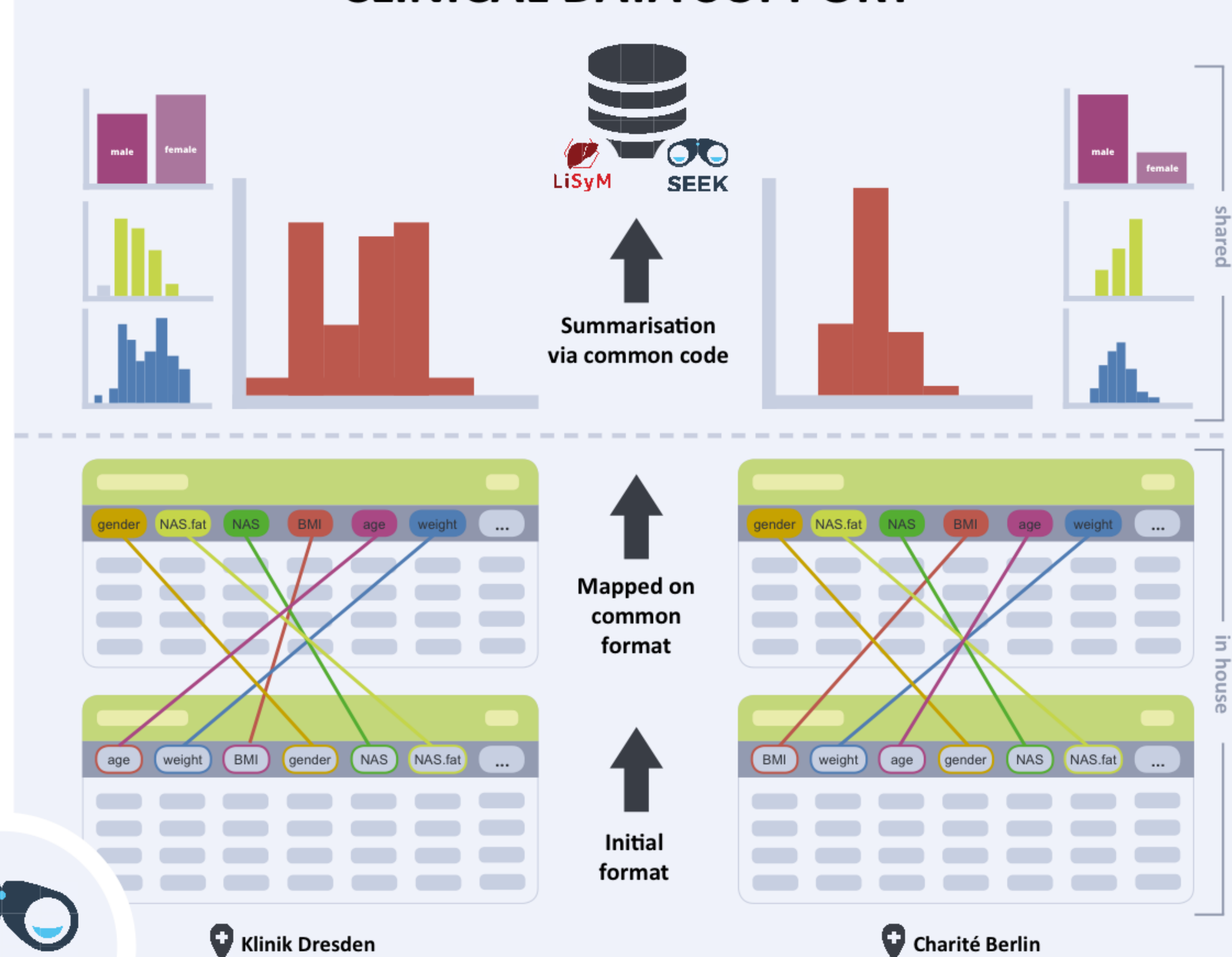
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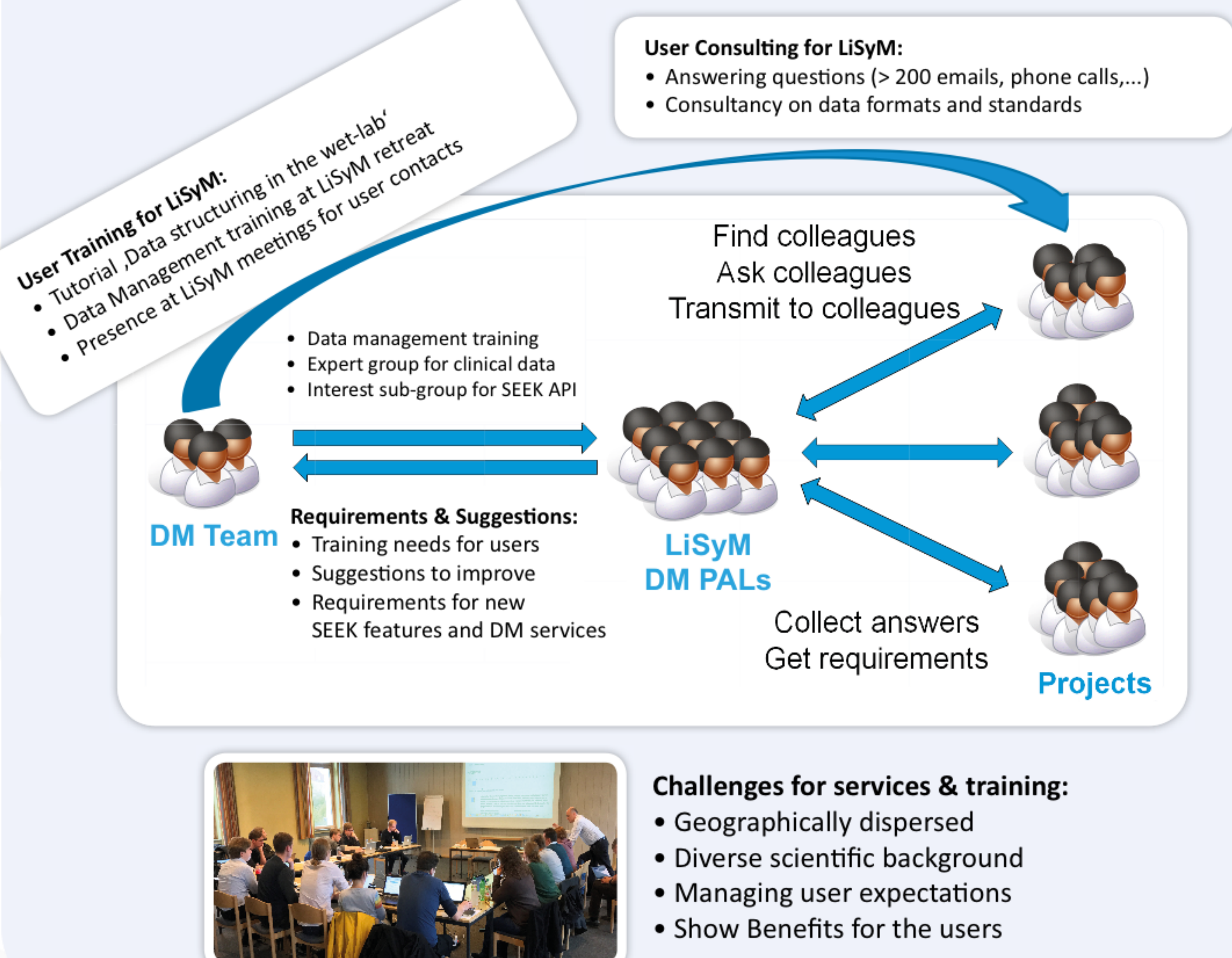
## FACILITY & DEVELOPMENT



## CLINICAL DATA SUPPORT



## SERVICES & TRAINING



## POLICY BUILDING

### LiSyM Data Sharing Policy



#### Data Sharing Policy

Principles adopted LiSyM for sharing data, models and processes

- Distinguishes pre-/post-publication
- Distinguishes data, models, SOPs and metadata
- Distinguishes clinical data and non-clinical data
- Promotes the use of standards
- Data management task force

### SOP for exchange of clinical samples and data

#### SOP for the exchange of clinical samples and corresponding data between collaboration partners in LiSyM

##### Scope

The purpose of this document is to define procedures that all signing LiSyM partners agree to follow for exchanging the following items between collaboration partners within the LiSyM network:

- Exchanging **samples of human origin** obtained from a natural person (i.e. a patient or other human subject).
- Exchanging **material derived from samples of human origin** as defined in a).
- Exchanging **associated data describing samples** of human origin and derived material as defined in a) and b).
- Exchanging **data derived from samples** of human origin and derived material as defined in a) and b).

The scope excludes permanently established cell lines originally derived from human samples in the past and any material or data derived from such cell lines, if these cell lines are free to use without consent of the respective original donor and are not subject to data protection regulations.

The goal is to provide high-level procedures that are comprehensible and practically relevant in the daily work. The defined rules build on experience and observation of the real-life exchange of material and data and are conceived lightweight and low-hassle.

This document is an extension of the data sharing policy of LiSyM and relates to the LiSyM consensual agreement. The LiSyM partners declare to obey to the rules defined below and ensure that their team members involved in the material and data exchange are informed about these rules and instructed to obey them.

## Publications:

1. C.J. Myers, G. Bader, P. Gleeson, M. Golebiewski, M. Hucka, N. Le Novère, D. P. Nickerson, F. Schreiber and D. Waltemath (2017): "A brief history of COMBINE". 2017 Winter Simulation Conference (WSC), Las Vegas, NV, USA, pp. 884-895.
2. Wittig U, Rey M, Weidemann A, Müller W (2017): „Data management and data enrichment for systems biology projects“. J Biotechnol 261:229-237.
3. Wolstencroft K, Krebs O, Snoep JL, Stanford NJ, Bacall F, Golebiewski M, Kuzyakiv R, Nguyen Q, Owen S, Soiland-Reyes S, Straszewski J, van Niekerk DD, Williams AR, Malmström L, Rinn B, Müller W, Goble C (2017): „FAIRDOMHub: a repository and collaboration environment for sharing systems biology research“. Nucleic Acids Research 45(D1): D404-D407.
4. Nickerson D, Atalag K, de Bono B, Geiger J, Goble C, Hollmann S, Lonien J, Müller W, Regierer B, Stanford NJ, Golebiewski M, Hunter P (2016): „The Human Physiome: how standards, software, and innovative service infrastructures are providing the building blocks to make it achievable“. Interface Focus 6: 20150103.

<https://seek.lisym.org>

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