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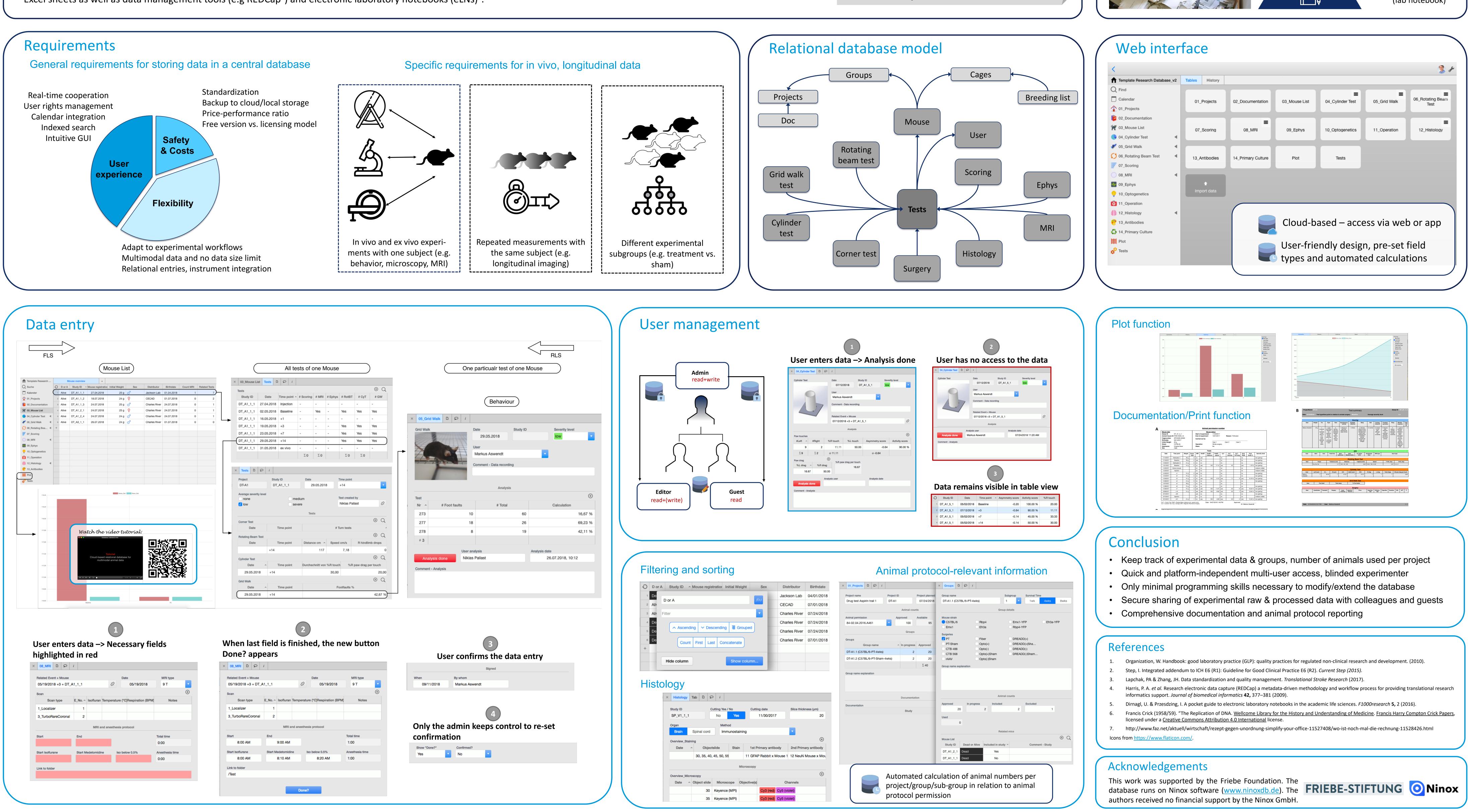
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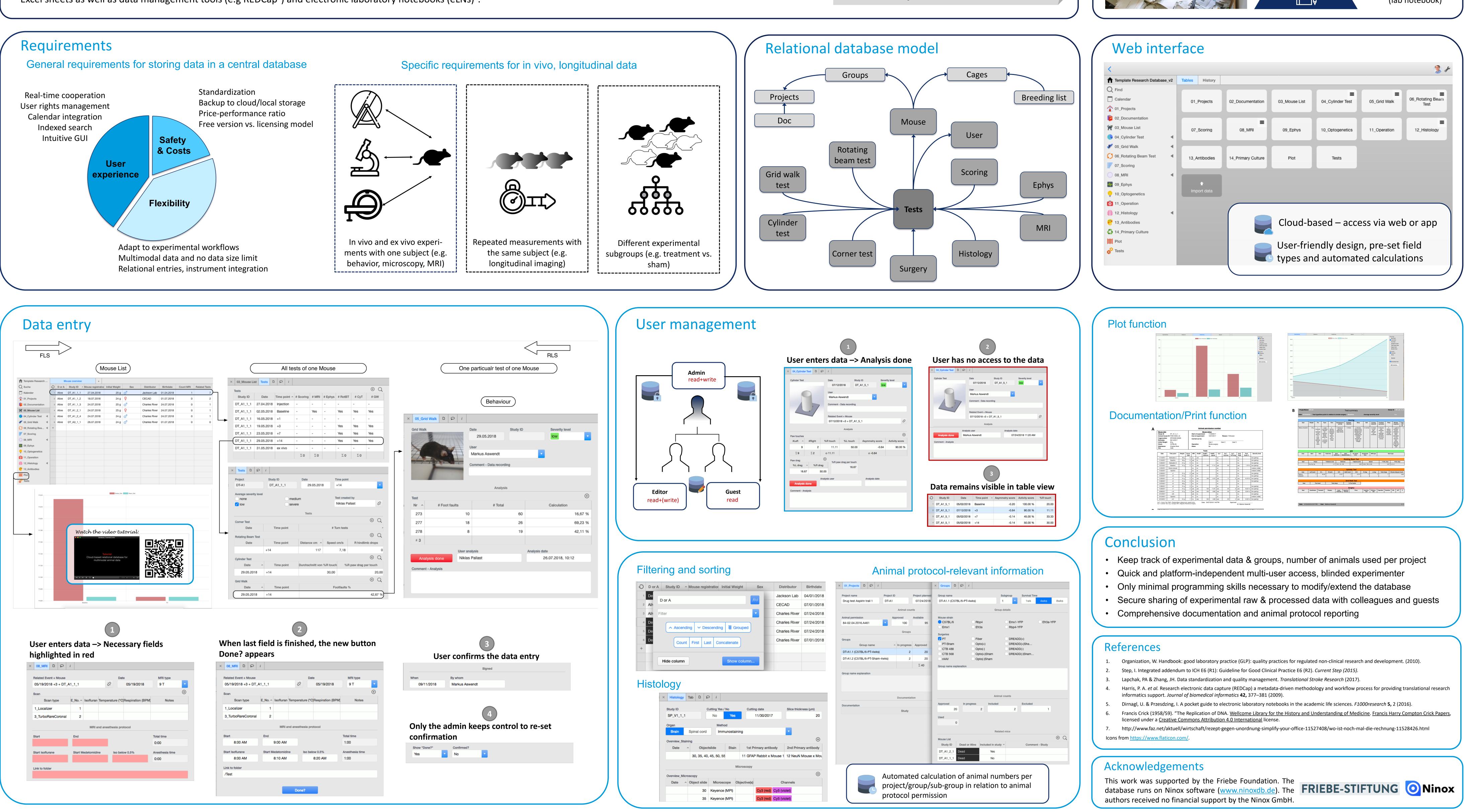


Cloud-based relational database for managing large amounts of multimodal animal data

Objective

Data management becomes prone to user-errors when working with extensive multimodal and longitudinal datasets. Although outlined in the GLP (Good Laboratory Practice) of the WHO¹, most labs store their data not in a standardized way and lack way behind clinical standards such as GCP (Good Clinical Practice) compliant data management². Researchers tend to underestimate the importance of a centralized and smart data handling, which is interfering with their efforts in basic research and translational approaches³. Here, we present a database specifically designed to meet the requirements for large multimodal imaging studies with the aim to provide an advantage compared to conventional paper lab notebooks, Excel sheets as well as data management tools (e.g REDCap⁴) and electronic laboratory notebooks (eLNs)⁵.

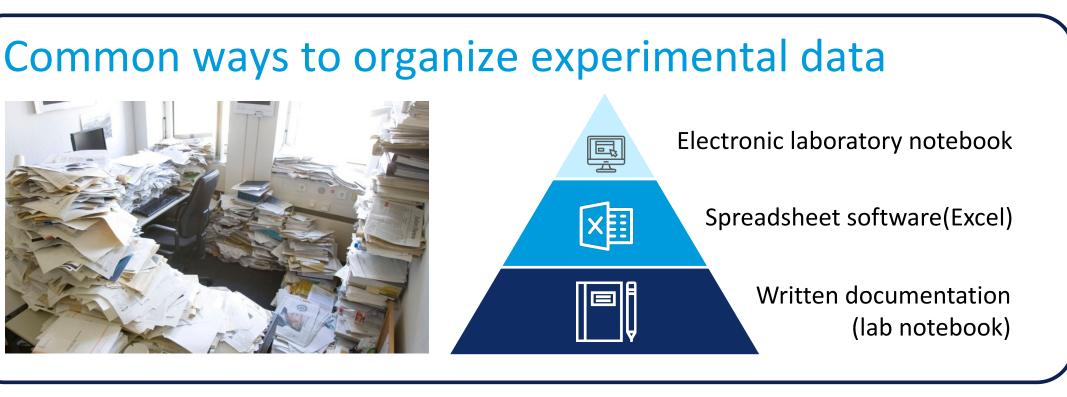




Amount of data scales with number of subjects, subgroups and measurements:

100 mice in 2 subgroups x 6 tests (e.g. in vivo imaging and behavior) x 5 time points = 3000 data points





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	01_Projects		02_Documentation	03_Mouse List	■ 04_Cylinder Test	■ 05_Grid Walk	■ 06_Rotating Beam Test	
•	07_Scoring		■ 08_MRI	09_Ephys	10_Optogenetics	11_Operation	■ 12_Histology	
•	13_A	ntibodies	14_Primary Culture	Plot	Tests			
•	Imp	▲ bort data						
•			Cloud-based – access via web or app					
	User-friendly design, pre-set types and automated calcula							