Ethics and Scientific Integrity for Doctoral Students of D-MAVT

Research Data Management

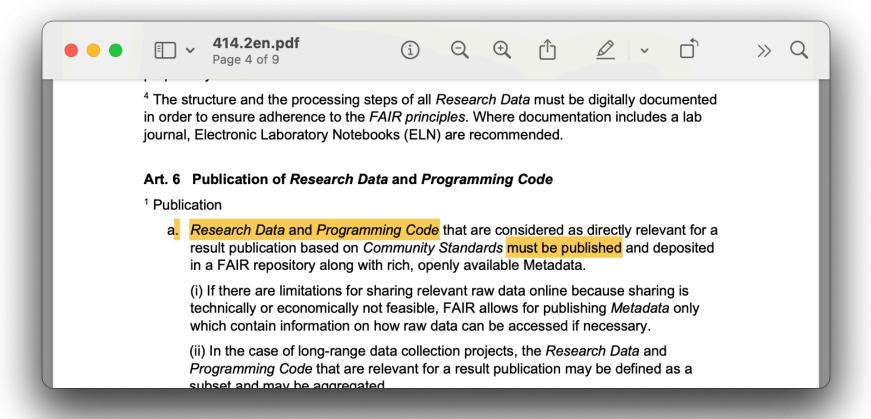
Prof. Elizabeth Tilley

Global Health Engineering - ETH Zurich

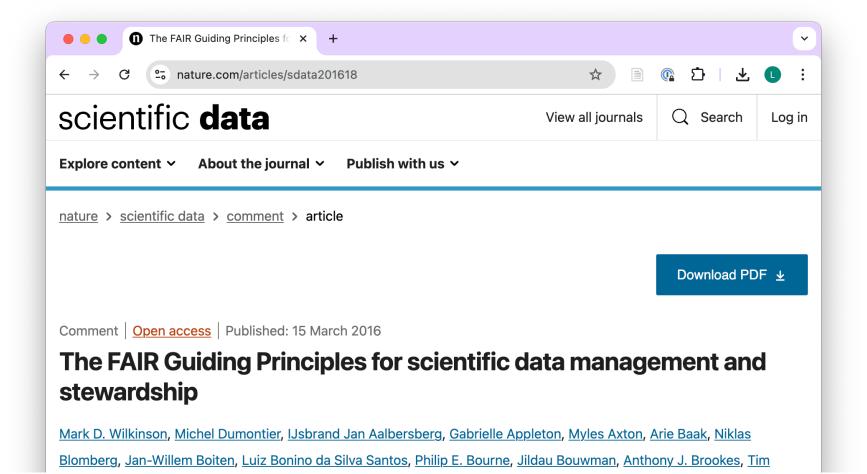
March 19, 2025

ETH RDM Guidelines

ETH RDM Guidelines



FAIR data sharing principles



Data: Definitions

Three terms for three stages

term	explanation	file format
unprocessed	data that is not processed and remains in its	often XLSX,
raw data	original form and file type	also CSV and
		others

Three terms for three stages

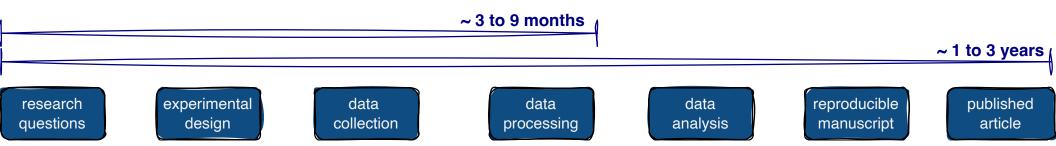
term	explanation	file format
unprocessed raw data	data that is not processed and remains in its original form and file type	often XLSX, also CSV and others
processed analysis-ready data	data that is processed to prepare for an analysis and is exported in its new form as a new file	CSV, R data package

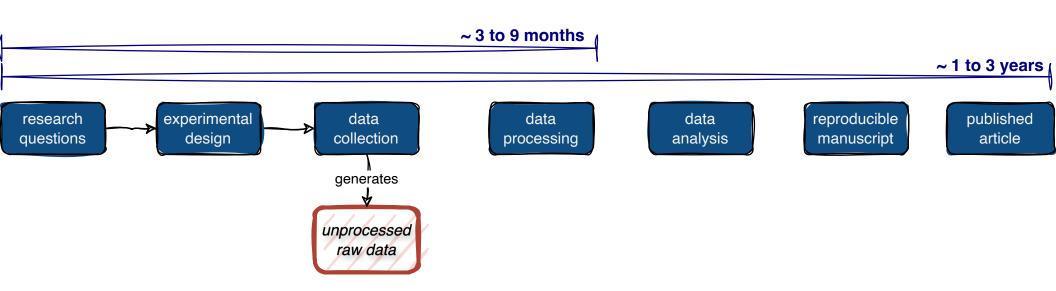
Three terms for three stages

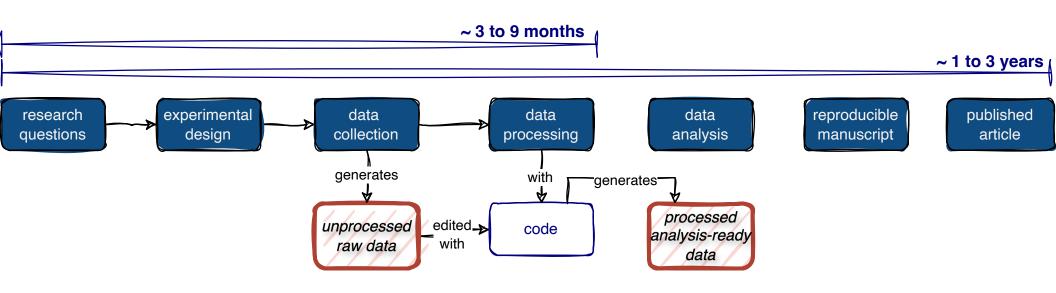
term	explanation	file format
unprocessed raw data	data that is not processed and remains in its original form and file type	often XLSX, also CSV and others
processed analysis-ready data	data that is processed to prepare for an analysis and is exported in its new form as a new file	CSV, R data package
final data underlying a publication	data that is the result of an analysis (e.g descriptive statistics or data visualization) and shown in a publication, but then also exported in its new form as a new file	CSV

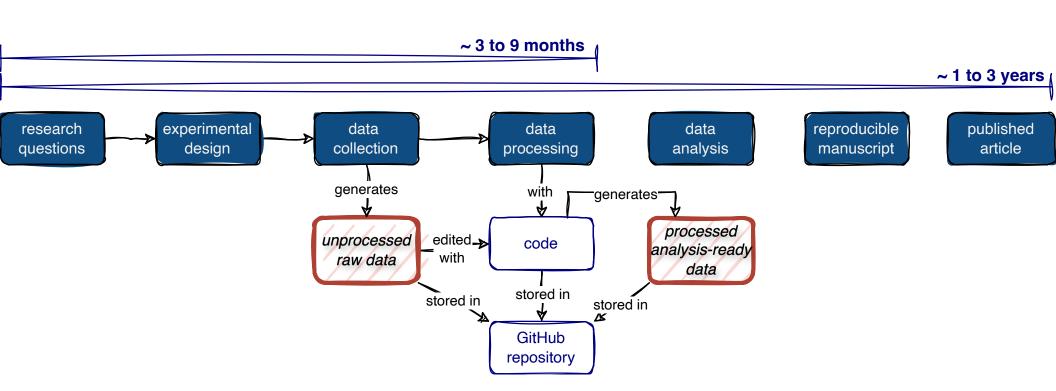
Data Management Strategy

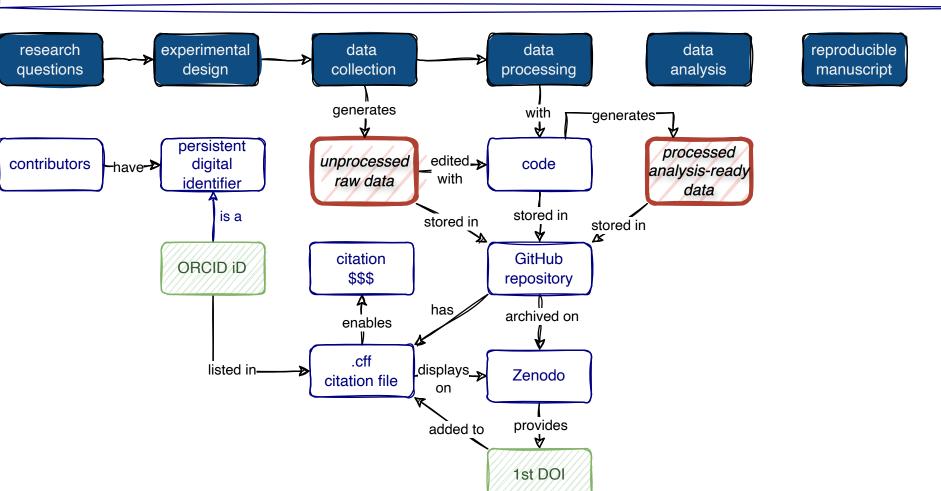
research questions data data processing data processing data analysis reproducible manuscript article



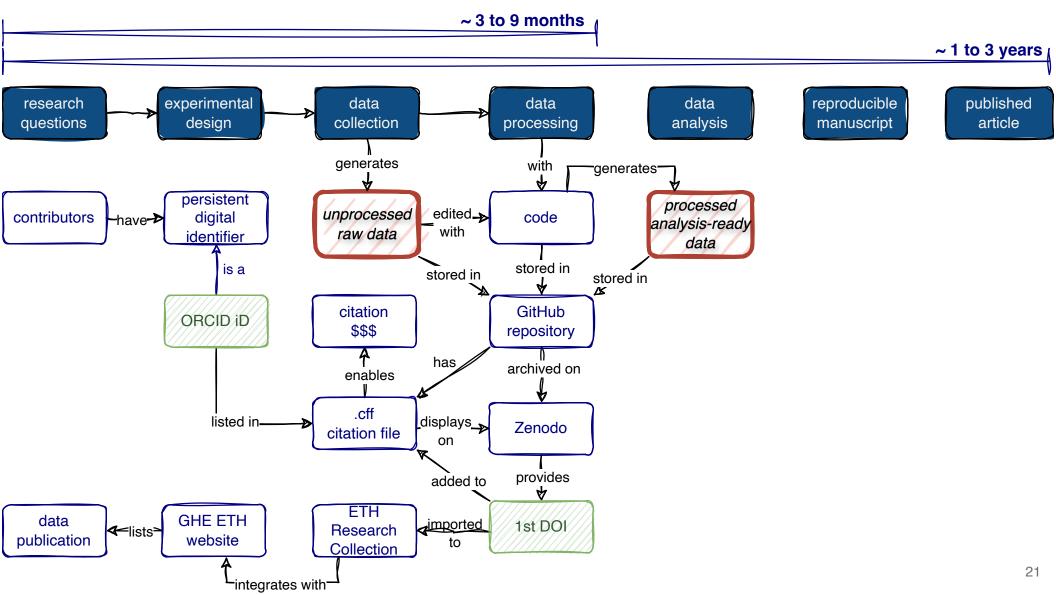


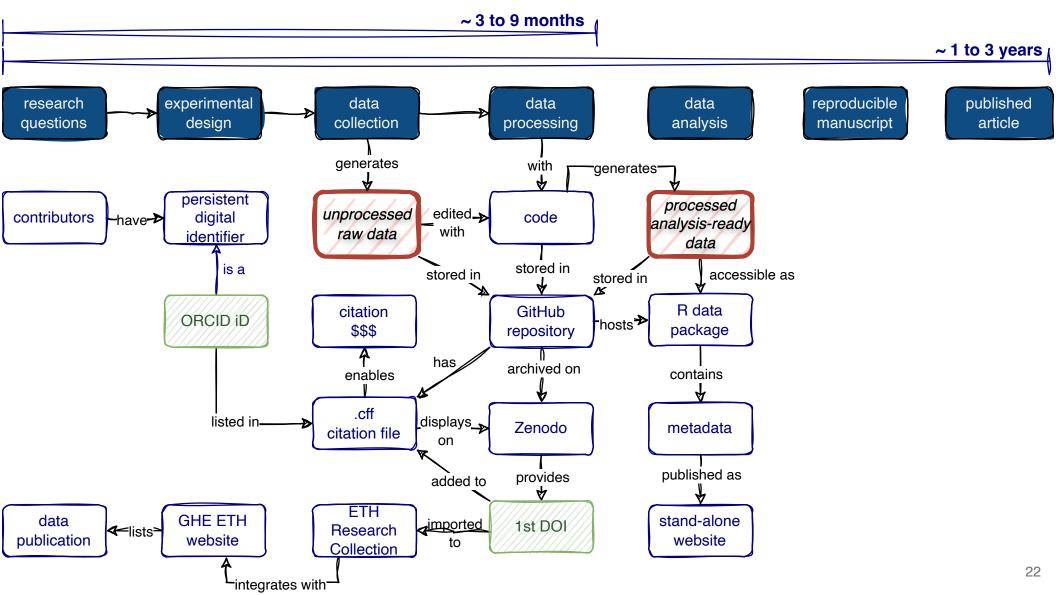


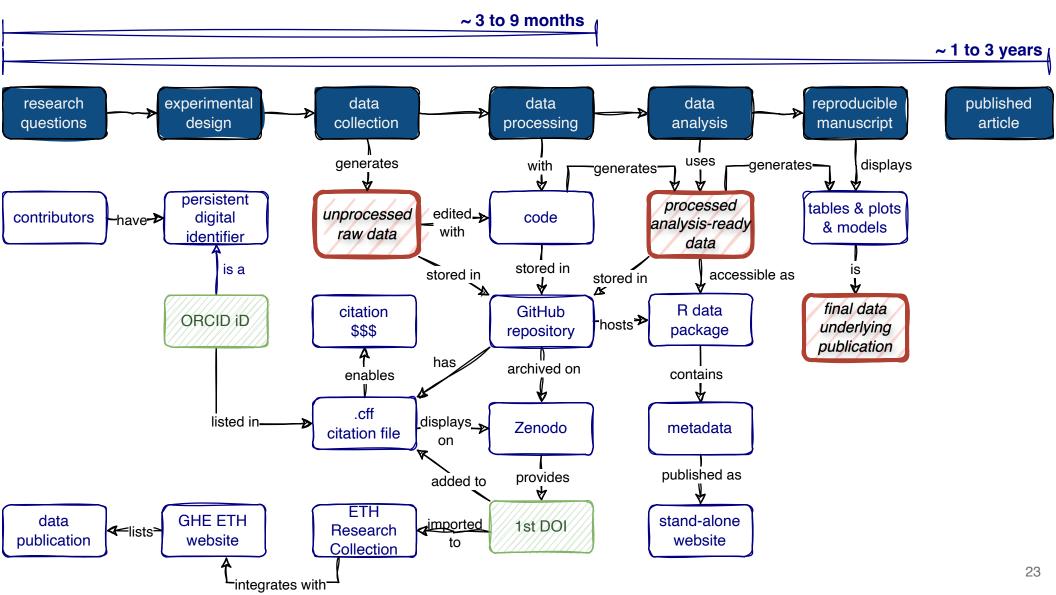




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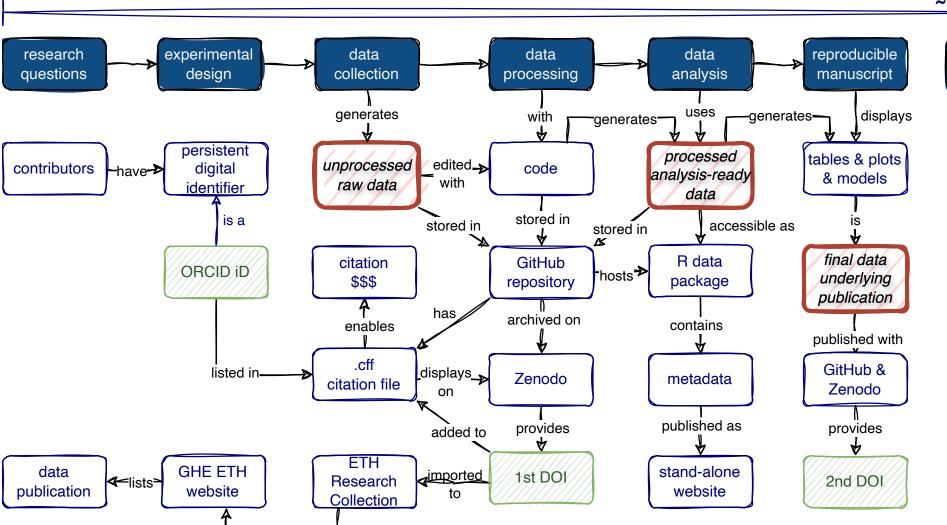




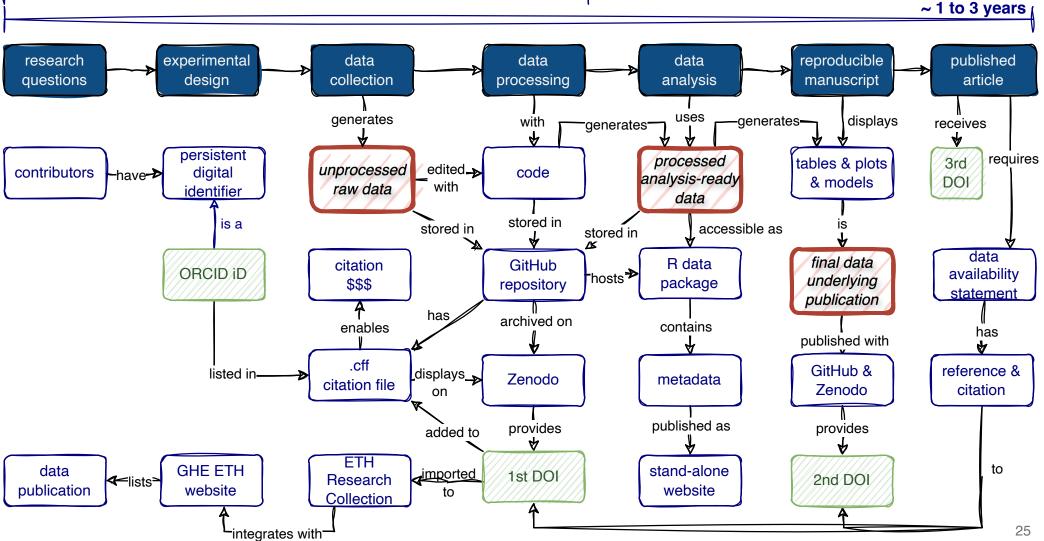
~ 1 to 3 years

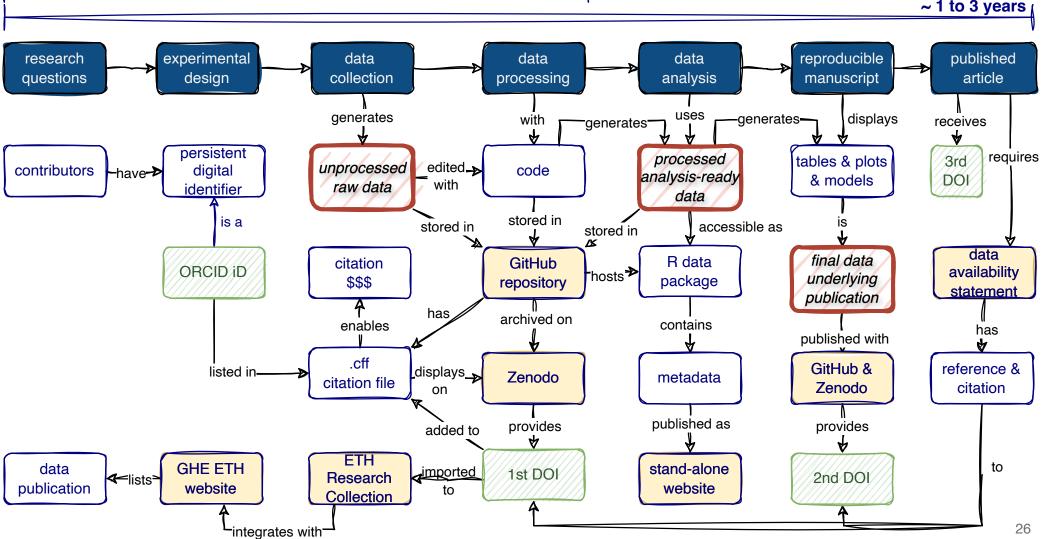
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article



-integrates with $^{-1}$







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