

I-L2: Responsible Data Management

Person in charge and Representative	Vidal
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Semester	This lecture should be taken in semester 4
Topic cluster	Interdisciplinary
Duration/Credit	7 lectures of 2 hours (to be discussed)
Time	The exact date incl. time will be announced separately
Place	Online. Dial-in data are sent separately
Prerequisite for the lecture	Introduction to Scientific Databases Knowledge Engineering and Semantic Web Biomedical Data Management
Aim of the lecture	<p>This lecture aims at achieving the following objectives:</p> <ul style="list-style-type: none">• Learn methodologies for creating findable, accessible, interoperable, and reusable (FAIR) data.• Study ethical codes of research data management and analytics.• Learn best practices for research data collection, and for maximizing availability and ethical use of research data.• Analyze and apply controlled vocabularies for publishing FAIR data.• Study and apply techniques for measuring, accounting, and documenting biased and imbalanced data.• Design scientific open knowledge graphs to pave the way for responsible data management.