
	Adam Mickiewicz University, Poznań	
	Doctoral School of Languages and Literatures 	
	Research Data Management in the Humanities	
	dr Marcin Naranowicz	
Type of classes	Workshop	
Language of instruction	English	
The number of hours + form of passing classes	15 hours / credit of a grade	
Purposes of classes	<ul style="list-style-type: none"> • deepening knowledge and skills in research data and metadata management in the humanities, especially in experimental research, with a focus on open science and citizen science practices, • developing understanding of the legal and ethical dimensions of research data management, • recognising the main types and characteristics of research data, including those aligned with FAIR principles. • applying practical methods for organising, depositing, sharing, retrieving, and reusing research data, • acquiring the ability to design, implement, and assess a data management plan (DMP) for research projects, • practicing fundamental techniques for creating metadata in line with open science standards, • building competence in identifying and selecting suitable data repositories for the reuse of research data. 	
Learning contents	Module 1. Research data and Open Science 1. Characteristics of research data and metadata. 2. The role of research data in open science and citizen science. 3. Benefits of adopting an open model of scholarly communication. 4. Examples of infrastructure solutions for open science. 5. The role of data stewards in research data management. Module 2. The FAIR research data lifecycle	

	<ol style="list-style-type: none"> 1. Overview of the FAIR principles. 2. Planning and creating new research data. 3. Creating and processing existing research data – evaluation and selection. 4. Storing data during research – security and availability. 5. Archiving and sharing data – data deposit, repository selection, availability ranges, license selection. 6. Data deletion – time and availability conditions, independent withdrawal of deposited data. <p>Module 3. Sharing research data</p> <ol style="list-style-type: none"> 1. Reliable, trusted, specialised, general, and other research data repositories. 2. Interoperability of research data. 3. Visualization of research data. <p>Module 4. Ethical, legal, organisational, financial, and other aspects of research data and metadata</p> <ol style="list-style-type: none"> 1. Working with personal and sensitive data. 2. Legal aspects of data created and used. 3. European, Polish, and institutional recommendations for depositing and sharing research data. <p>Module 5. Metadata</p> <ol style="list-style-type: none"> 1. The nature and role of metadata in scholarly communication. 2. An overview of metadata standards. <p>Module 6. Data Management Plan (DMP)</p> <ol style="list-style-type: none"> 1. Benefits of research data management planning. 2. Creating DMPs for research projects. 3. Updating and modifying DMPs during research project implementation.
Entry requirements	<ul style="list-style-type: none"> • generating or re-using research data within one's own PhD project – the course is not intended for those who do not (plan to) work with research data in their research, • proficiency in English at C1 level (CEFR) or equivalent, • basic research experience, as expected of all doctoral students
Learning outcomes	
Verification methods:	
<p>In terms of knowledge: A person who has completed classes knows and understands:</p> <p>the achievements of world science in the discipline in which the education takes place, as well as the paradigms and directions of development of this discipline, in a way that enables their creative and innovative development and their verification within the framework of research projects undertaken [E_W01];</p>	<ul style="list-style-type: none"> • active participation in class discussions • a short presentation of a Data Management Plan developed based on one's own research

<p>at an advanced level research methodology appropriate for the discipline of science in which education takes place, which allows for proper selection of research theories and tools and their effective application and modification within the framework of own research [E_W02];</p> <p>rules for the dissemination of results of scientific activities, traditional methods and open access [E_W03]</p> <p>mechanisms for funding research and fundraising for research [E_W05]</p> <p>basic principles for knowledge transfer to the economic and social spheres and for the commercialisation of research results [E_W06]</p>	
<p>In terms of skills: A person who has completed classes is able to:</p> <p>use knowledge from various disciplines of science to creatively identify, formulate and innovatively solve complex research problems or perform advanced research tasks. In particular, he/she is able to: define the objectives and the subject of scientific research, formulate research hypotheses, develop research methods, techniques and tools and apply them creatively and effectively, draw conclusions on the basis of scientific evidence [E_U01]</p> <p>effectively retrieve information related to scientific activity from various sources, including from sources in foreign languages, and to properly select, critically analyse and interpret this information; furthermore, he/she is able to assess its relevance for scientific development [E_U02]</p> <p>transfer the results of scientific activity to the socio-economic sphere in cooperation with institutions from the social and economic environment [E_U03]</p> <p>prepare a scientific publication while respecting copyright [E_U04]</p> <p>present the results of his/her research and to initiate and conduct scientific and popular science discussions in Polish and foreign languages [E_U06]</p> <p>establish and implement scientific cooperation in research teams, including international ones [E_U07]</p>	<ul style="list-style-type: none"> • active participation in class discussions • a short presentation of a Data Management Plan developed based one's own research
<p>In terms of social competences: A person who has completed classes is prepared to:</p> <p>acting in accordance with the ethical principles of scientific work and interpersonal relations; moreover, he/she is ready to build the ethos of</p>	<ul style="list-style-type: none"> • active participation in class discussions • a short presentation of a Data Management Plan developed based one's own

<p>the scientific and professional environment [E_K02]</p> <p>fulfilling social obligations as a researcher; initiating actions in favour of the public interest, <i>inter alia</i>, through appropriate dissemination of scientific achievements in society. Furthermore, he/she is ready to take actions leading to the development of civil society based on knowledge [E_K03]</p>	<p>research</p>
<p>Literature</p>	<ul style="list-style-type: none"> • Berez-Kroecker, A. L., McDonnell, B., Koller, E., & Collister, L. B. (Eds.) (2022). <i>The open handbook of linguistic data management</i>. The MIT Press. • Briney, K. (2015). <i>Data Management for Researchers: Organize, maintain and share your data for research success</i>. Pelagic Publishing. • Clare, C., Cruz, M., Papadopoulou, E., Savage, J., Teperek, M., Wang, Y., Witkowska, I., & Yeomans, J. (2019). Engaging Researchers with Data Management: The Cookbook. In <i>Engaging Researchers with Data Management: The Cookbook</i>. Open Book Publishers.