

Training resources



Here you can find a list of all NFDI4Biodiversity training resources. You can find more training resources on research data management on [DALIA](#), [TeSS](#), or [OERSI](#).

Are you working for NFDI4Biodiversity and prepared training resources? Please fill in this [metadata form](#) provided by OERSI and send the resulting YAML (and JSON) files as .txt-files to training@nfdi4biodiversity.org.

Do you want to add your training resources on aspects of research data management for biodiversity data but you are not part of NFDI4Biodiversity? Please annotate your materials in the DALIA Inter Change Format (DIF v1.4, <https://doi.org/10.5281/zenodo.17871138>). Then we can add your resources to our curated list of external resources! Please consider submitting to [DALIA](#) directly. We can then add your resources to our list of recommended training materials.

Author(s)	Publication Year	Title	Language	Keywords	Affiliation(s)	Item Type	License	Link	License name
Beilschmidt, Christian; Brandenstein, Dominik; Dümpelmann, Henri	2024	VAT documentation	en	VAT	UMR	text * code * image	CC0 1.0 Universal	link	CC0 1.0 Universal
Blowes, Shane	2025	Meta-analysis and biodiversity change synthesis	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Botanic Garden and Botanical Museum Berlin	2025	OpenRefine Training Dataset based on a subset of the BGBM Herbarium	en	OpenRefine	BGBM	text	CC BY 4.0	link	CC BY 4.0
Domisch, Sami; Grigoropoulou, Afroditi; Grossart, Hans-Peter; Friedrichs-Manthay, Martin	2024	Network centrality indices for freshwater fish species	en	hydrographR	IGB	code	GPL 3.0	link	GPL 3.0
Dümpelmann, Henri	2024	Biodiversität visualisieren: Wie das VAT-Tool die räumlich-zeitliche Datenanalyse vereinfacht	de	VAT, BiodiversiTea	UMR	video	CC BY 3.0	link	CC BY 3.0
Dworczyk, Claudia; Dunkel, Alexander; Rafiei, Fatemeh; Syrbe, Ralf-Uwe; Research Data Centre (FDZ)	2025	Exploring Spatial and Biodiversity Data with Python and JupyterLab	en	IOER Monitor, geospatial data, Jupyter, Python	IÖR	computational notebook * multipart	CC BY 4.0	link	CC BY 4.0
Dworczyk, Claudia; Dunkel, Alexander; Rafiei, Fatemeh; Syrbe, Ralf-Uwe; Research Data Centre (FDZ)	2025	Exploring Spatial and Biodiversity Data with Python and JupyterLab	en	IOER Monitor, geospatial data, Jupyter, Python	IÖR	computational notebook * multipart	MIT License, CC BY 4.0	link	MIT License, CC BY 4.0
Dworczyk, Claudia; Dunkel, Alexander; Rafiei, Fatemeh; Syrbe, Ralf-Uwe; Research Data Centre (FDZ); Dworczyk, Claudia; Dunkel, Alexander; Della Chiesa, Stefano	2025	Replication Package for: Exploring Spatial and Biodiversity Data with Python and JupyterLab: Release version v1.8.0	en	IOER Monitor, geospatial data, training data sets	IÖR	multipart	CC BY 4.0	link	CC BY 4.0
Engel, Judith; Linares, Jimena; Kostadinov, Ivaylo; Weber, Marc	2025	Publish Biodiversity Data: The GFBio Data Submission and Brokerage Service	en	GFBio Submission Service	GFBio, UniBremen-MARUM	presentation	CC BY 4.0	link	CC BY 4.0
Engel, Judith; Pauli, Matthias	2025	Data publication with the GFBio Data submission and Brokerage Service, and with PANGAEA	en	GFBio Submission Service	GFBio, UniBremen-MARUM	video	CC BY 3.0	link	CC BY 3.0
Fichtmueller, David	2025	OpenRefine - Hands On	de	OpenRefine	BGBM	presentation	CC BY 4.0	link	CC BY 4.0

Fichtmueller, David	2025	OpenRefine I: Cleaning Messy Data with Ease	en	OpenRefine, WiNoDa	BGBM	presentation	CC BY 4.0	link	CC BY 4.0
Fichtmueller, David	2026	OpenRefine I: Cleaning Messy Data with Ease	en	OpenRefine, WiNoDa	BGBM	video	CC BY 3.0	link	CC BY 3.0
Figueiredo, Ludmilla	2024	Publishing your (R) workflow: How to get started and where to go next	en	Seasonal School, reproducible workflows	iDiv	presentation	CC BY 4.0	link	CC BY 4.0
Figueiredo, Ludmilla	2025	Publishing your (R) workflow: How to get started and where to go next	en	Seasonal School, reproducible workflows	iDiv	video	CC BY 3.0	link	CC BY 3.0
Figueiredo, Ludmilla	2024	ludmillafigueiredo/nfdi4bioschool2024: NFDI4Bio Winter School	en	Seasonal School, reproducible workflows	iDiv	code	CC BY 4.0	link	CC BY 4.0
Fischer, Marlen; Röder, Juliane; Signer, Johannes; Tschink, Daniel; Weibulat, Tanja; Brand, Ortrun	2023	NFDI4Biodiversity Self-Study Unit - Research Data Management for Biodiversity Data	en	Online-course, RDM basics	UMR, GFBio, UniGöttingen-CIDAS, SNSB	text	CC BY 4.0	link	CC BY 4.0
Fischer, Marlen; Röder, Juliane; Signer, Johannes; Tschink, Daniel; Weibulat, Tanja; Brand, Ortrun	2023	Research Data Management for Biodiversity Data	en	Online-course, RDM basics	UMR, GFBio, UniGöttingen-CIDAS, SNSB	text * image * code	CC BY-SA 4.0	link	CC BY-SA 4.0
Fischer, Marlen; Röder, Juliane; Signer, Johannes; Tschink, Daniel; Weibulat, Tanja; Brand, Ortrun	2024	Research Data Management for Biodiversity Data	en	Online-course, RDM basics	UMR, GFBio, UniGöttingen-CIDAS, SNSB	multipart	CC BY-SA 4.0	link	CC BY-SA 4.0
Fischer, Marlen; Röder, Juliane; Signer, Johannes; Tschink, Daniel; Weibulat, Tanja; Brand, Ortrun	2025	NFDI4Biodiversity Self-Paced Online Course - Research Data Management for Biodiversity Data	en	Online-course, RDM basics	UMR, GFBio, UniGöttingen-CIDAS, SNSB	multipart	CC BY-SA 4.0	link	CC BY-SA 4.0
Friedrichs-Manthey, Martin; Holetschek, Jörg	2024	Ein Biodiversitätsportal für ganz Deutschland: Lebendiger Atlas der Natur Deutschlands (LAND)	de	BiodiversiTea, LAND, GBIF	iDiv, BGBM, UniJena	video	CC BY 3.0	link	CC BY 3.0
Gerber, Nina; Henrich, Jonathan	2022	Data Science 4 Ecologists in R	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Gerber, Nina	2022	Data Science for Ecologists in R: Tidy Data – Self-Learning Video Series [GFBio]	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Gerber, Nina	2022	Data Science for Ecologists in R - TidyData	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	code	Copyright © Nina Gerber 2022	link	Copyright © Nina Gerber 2022
Gerber, Nina	2021	Introduction to Tidy data - Tidy Data part 1	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Gerber, Nina	2021	Data preparation - Tidy Data part 2	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Gerber, Nina	2021	Importing data in R - Tidy Data part 3	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Gerber, Nina	2022	Importing Data into R Structuring and summarizing Data - Tidy Data 4	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Grenié, Matthias	2022	Taxonomic Harmonization	en	Seasonal School, taxonomic harmonization	iDiv	video	CC BY 3.0	link	CC BY 3.0

Grenié, Matthias	2022	Taxonomic Harmonization: a problem you didn't know you had!	en	Seasonal School, taxonomic harmonization	iDiv	presentation * text	CC BY 4.0	link	CC BY 4.0
Grünberger, Tom; Ebert, Barbara; Brand, Ortrun; Tschink, Daniel	2024	Podcast Rechstdschungel	de	legal aspects, podcast	UMR, UfU, GFBio	multipart	CC BY-SA 4.0	link	CC BY-SA 4.0
Witschas, Tom; Brand, Ortrun; Tschink, Daniel	2023	Episode 1 - Rechte und Pflichten an Daten	de	legal aspects, podcast	UMR, UfU, GFBio	audio	CC BY-SA 4.0	link	CC BY-SA 4.0
Witschas, Tom; Brand, Ortrun; Tschink, Daniel	2023	Episode 2 - Lizenzen im Umgang mit Forschungsdaten	de	legal aspects, podcast	UMR, UfU, GFBio	audio	CC BY-SA 4.0	link	CC BY-SA 4.0
Witschas, Tom; Brand, Ortrun; Tschink, Daniel	2024	Episode 3 - Nationale und internationale Regelwerke, UIG und Co.	de	legal aspects, podcast	UMR, UfU, GFBio	audio	CC BY-SA 4.0	link	CC BY-SA 4.0
Grünberger, Tom; Ebert, Barbara; Brand, Ortrun; Tschink, Daniel	2024	Episode 4 - Institutionelle Perspektive	de	legal aspects, podcast	UMR, UfU, GFBio	audio	CC BY-SA 4.0	link	CC BY-SA 4.0
Grünberger, Tom; GFBio - Gesellschaft für Biologische Daten e.V.; Gesellschaft für Ichthyologie e.V.	2025	Veröffentlichung und Nachnutzung von Artvorkommensdaten am Beispiel der Gesellschaft für Ichthyologie e. V.	de	GfI, legal aspects	UfU, GfI, GFBio, UMR	text	CC BY 4.0	link	CC BY 4.0
Hartman Scholz, Amber	2023	"Who owns my data?" – Workshop by Dr. Amber Hartman Scholz at the SFE2 GrÖ EEF Joint Meeting 2022	en	DSI, Nagoya Protocol	DSMZ	video	CC BY 3.0	link	CC BY 3.0
Hartman Scholz, Amber	2025	What should I know about Digital Sequence Information (DSI) and sharing benefits under the CBD?	en	DSI, Nagoya Protocol	DSMZ	presentation	CC BY 4.0	link	CC BY 4.0
Henrich, Jonathan	2022	Data Science for Ecologists in R: Linear Models – Self-Learning Video Series [GFBio]	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2023	Code for Data Science 4 Ecologists in R: The Linear Model	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	code	MIT License	link	MIT License
Henrich, Jonathan	2022	Linear models 1 - The Normal distribution	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 2 - Introduction to the Linear Model	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 3 - Fitting a Linear Model	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 4 - Parameter estimation in the Linear Model	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 5 - Distribution of least squares estimates in the Linear Model	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0

Henrich, Jonathan	2022	Linear models 6 - Inferences about parameters in the Linear Model	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 7 - Fitting a Linear Model in R Example 1	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 8 - Fitting a Linear Model in R Example 2	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 9 - Checking assumptions of the Linear Model in R Residual plot	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 10 - Checking assumptions of the Linear Model in R QQ plot	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Henrich, Jonathan	2022	Linear models 11 - Checking assumptions of the Linear Model in R Outliers	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Jansen, Florian	2023	Beispielanwendung Deutschlandflora a NetPhyD API (now available via FloraWeb)	de	API	NetPhyD-Pflanzen	application		link	
Jordan, Sabrina	2025	Introduction to Research Data Management	en	Seasonal School, HeFDI	UniKassel, HeFDI	presentation	CC BY 4.0	link	CC BY 4.0
Josifek, Ruairi	2025	Polynomial Regression Analysis in R - Playlist	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Josifek, Ruairi	2025	Polynomial Regression Analysis in R: Part 2 - Statistical Assumptions and Transformations	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Josifek, Ruairi	2025	Polynomial Regression Analysis in R: Part 1 - Introduction and Model Framework	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Josifek, Ruairi	2025	Polynomial Regression Analysis in R: Part 3 - Variance Partitioning and Limitations	en	Data Science 4 Ecologists in R	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Jurburg, Stephanie	2025	MiCoDa and Datathons: Fostering Equitability in Sequence Data Reuse	en	BiodiversiTea, MiCoDa	UFZ	video	CC BY 3.0	link	CC BY 3.0
Karam, Naouel	2025	Towards the NFDI4Biodiversity Knowledge Graph: Trait Data as a Use Case	en	BiodiversiTea	InfAI	video	CC BY 3.0	link	CC BY 3.0
Karam, Naouel; Tschink, Daniel	2024	BiodivPortal - A Terminology Repository and Service for Biodiversity	en	BioDivPortal, Tools & Services webinar	InfAI	video	CC BY 3.0	link	CC BY 3.0
Kipker, Dennis-Kenji	2022	Legal Aspects	en	Seasonal School, legal aspects	UniAugsburg, NFDI4Health	video	CC BY 3.0	link	CC BY 3.0

Kipker, Dennis-Kenji	2022	Legal framework of research data management with special focus on copyright law and data protection law	en	Seasonal School, legal aspects	UniAugsburg, NFDI4Health	text	CC BY 4.0	link	CC BY 4.0
Koblitz, Julia	2024	Der Digital Diversity Hub: Zentraler Zugang zu vernetzten biowissenschaftlichen Datenbanken	de	BiodiversiTea	DSMZ	video	CC BY 3.0	link	CC BY 3.0
Köpke, Robert	2024	Mapstories: Von aussterbenden Fischen und häufigen Vogelarten – Mit Karten Geschichten erzählen	de	Mapstories	IfL	video	CC BY 3.0	link	CC BY 3.0
Kostadinov, Ivaylo	2025	Basics of Data Management Planning	en	Seasonal School, RDM basics, GFBio DMP-Tool	GFBio	video	CC BY 3.0	link	CC BY 3.0
Kostadinov, Ivaylo	2025	Data Management and Data Literacy in Biodiversity and Environmental Sciences	en	Seasonal School, RDM basics	GFBio	video	CC BY 3.0	link	CC BY 3.0
Kostadinov, Ivaylo	2026	Der GFBio Data Submission & Brokerage Service – ein zentraler Zugang zum GFBio-Datenzentrennetzwerk	de	BiodiversiTea, data publication	GFBio	video	CC BY 3.0	link	CC BY 3.0
Kostadinov, Ivaylo; Linares, Jimena	2022	Data Management and Data Literacy	en	Seasonal School, RDM basics	GFBio	video	CC BY 3.0	link	CC BY 3.0
Kostadinov, Ivaylo; Tschink, Daniel	2023	Data Management and Data Literacy	en	Seasonal School, RDM basics	GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Kostadinov, Ivaylo; Tschink, Daniel; Linares Gómez, Jimena	2025	Data Management and Data Literacy	en	Seasonal School, RDM basics	GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Kostadinov, Ivaylo; Tschink, Daniel; Linares Gómez, Jimena	2025	Data Management and Data Literacy	en	Seasonal School, RDM basics	GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Kusch, Erik	2024	NFDI4Biodiversity Seasonal School	en	Seasonal School, GBIF, ECMWF	UniOslo-NatHistMuseum, CICERO	text * code * image	Copyright © Erik Kusch 2025	link	Copyright © Erik Kusch 2025
Kusch, Erik	2025	Investigating biodiversity data using open-access databases	en	Seasonal School, GBIF, ECMWF	UniOslo-NatHistMuseum, CICERO	video	CC BY 3.0	link	CC BY 3.0
Kusch, Erik	2025	Investigating Biodiversity Data Using Open-Access Databases	en	Seasonal School, GBIF, ECMWF	UniOslo-NatHistMuseum, CICERO	presentation	CC BY 4.0	link	CC BY 4.0
Leibniz-Institut DSMZ	2023	Playlist BacDive Tutorials	en	BacDive	DSMZ	video	CC BY 3.0	link	CC BY 3.0
Leibniz-Institut DSMZ	2023	BacDive Tutorial: Quick Start	en	BacDive	DSMZ	video	CC BY 3.0	link	CC BY 3.0
Leibniz-Institut DSMZ	2022	BacDive Tutorial: API Introduction	en	BacDive	DSMZ	video	CC BY 3.0	link	CC BY 3.0

Leibniz-Institut DSMZ	2022	BacDive Tutorial: API Python Package	en	BacDive	DSMZ	video	CC BY 3.0	link	CC BY 3.0
Leibniz-Institut DSMZ	2022	BacDive Tutorial: API R Package	en	BacDive	DSMZ	video	CC BY 3.0	link	CC BY 3.0
Leibniz-Institut DSMZ	2024	StrainInfo, MediaDive and BacDive - Web services online workshop	en	BacDive, StrainInfo, MediaDive	DSMZ	video	CC BY 3.0	link	CC BY 3.0
Linares, Jimena	2024	DMPS as part of local organisation, FAIRness and policy compliance	en	GFBio DMP-Tool	GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Linares, Jimena	2024	Data Management Planning and DMPs	en	GFBio DMP-Tool	GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Linares, Jimena; Oellermann, Michael; Eberhardt, Jan	2023	Get to know ENA and PANGAEA data centers- Prepare your submission _ Workshop	en	GFBio Submission Service, PANGAEA	GFBio, UniBremen-MARUM	presentation	CC BY 4.0	link	CC BY 4.0
Linares, Jimena; Tschink, Daniel	2023	DMPs as part of local organisation, for FAIRness and policy compliance	en	GFBio DMP-Tool	GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Müller, Wolfgang	2022	Data Integration and Annotation	en	OpenRefine, RightField, ReStoRunT	HITS	video	CC BY 3.0	link	CC BY 3.0
Müller, Wolfgang	2024	Three useful tools to get data in shape	en	OpenRefine, RightField, ReStoRunT	HITS	presentation * code * data set	CC BY 4.0	link	CC BY 4.0
Müller, Wolfgang	2025	Three useful tools to get data in shape - OpenRefine	en	OpenRefine	HITS	video	CC BY 3.0	link	CC BY 3.0
Müller, Wolfgang	2025	Three useful tools to get data in shape - RightField	en	RightField	HITS	video	CC BY 3.0	link	CC BY 3.0
Müller, Wolfgang	2025	Three useful tools to get data in shape - ReStoRunT	en	ReStoRunT	HITS	video	CC BY 3.0	link	CC BY 3.0
Muñoz García, Melania	2025	The Nagoya Protocol in practice	en	Nagoya Protocol, DSI	DSMZ	presentation	CC BY 4.0	link	CC BY 4.0
Nattkemper, Tim	2024	BIIGLE.party - Webtool zur partizipativen Auswertung von Bilddaten aus der Biodiversitätsforschung	de	BIIGLE	BIBI	video	CC BY 3.0	link	CC BY 3.0
NFDI4Biodiversity	2023	NFDI4Biodiversity Knowledge Base	en, de	Knowledge Base	NFDI4Biodiversity	multipart		link	
NFDI4Biodiversity	2026	BiodiversiTea - Austauschen und Tee trinken - Playlist	de, en	BiodiversiTea	NFDI4Biodiversity	video		link	
NFDI4Biodiversity	2024	NFDI4Biodiversity Tools & Services - Playlist	de, en	Tools & Services	NFDI4Biodiversity	video		link	

NFDI4Biodiversity; Engel, Judith; Figueiredo, Ludmilla; Kostadinov, Ivaylo; Kusch, Erik; Linares Gómez, Jimena; Müller, Wolfgang; Nozik, Alexandra; Pauli, Matthias; Röder, Juliane; Schellenberger Costa, David; Scherer, Cédric; Scherreiks, Pascal; Schindler, Uwe; Signer, Johannes; Tschink, Daniel	2025	Seasonal School 2024 - publications on Zenodo	en	Seasonal School, RDM basics, git, GitHub, R, Jupyter, GFBio DMP-Tool, GBIF, ECMWF, legal aspects, taxonomic harmonization, OpenRefine, RightField, ReStoRunT, data visualization, GFBio Submission Service, PANGAEA	GFBio, iDiv, UniOslo-NatHistMuseum, CICERO, HITS, ZMT, UniBremen-MARUM, UMR, UniLeipzig, Independent visualization specialist, UniJena, UniGöttingen-CIDAS	multipart		link	
NFDI4Biodiversity; Engel, Judith; Figueiredo, Ludmilla; Kostadinov, Ivaylo; Kusch, Erik; Müller, Wolfgang; Pauli, Matthias; Schellenberger Costa, David; Scherer, Cédric; Schindler, Uwe; Signer, Johannes	2025	Seasonal School 2024 - playlist of all video recordings	en	Seasonal School, RDM basics, git, GitHub, R, Jupyter, GFBio DMP-Tool, GBIF, ECMWF, legal aspects, taxonomic harmonization, OpenRefine, RightField, ReStoRunT, data visualization, GFBio Submission Service, PANGAEA	GFBio, iDiv, UniOslo-NatHistMuseum, CICERO, HITS, UniBremen-MARUM, UniLeipzig, Independent visualization specialist, UniGöttingen-CIDAS	video		link	
NFDI4Biodiversity; Jordan, Sabrina; Kostadinov, Ivaylo; Linares Gómez, Jimena; Nozik, Alexandra; Schellenberger Costa, David; Scherer, Cédric; Singson, Lea Sophie; Tschink, Daniel	2025	Seasonal School 2025 - publications on Zenodo	en	Seasonal School, RDM basics, git, GitHub, R, Jupyter, GFBio DMP-Tool, GBIF, ECMWF, legal aspects, taxonomic harmonization, OpenRefine, RightField, ReStoRunT, data visualization, GFBio Submission Service, PANGAEA	UniKassel, HeFDI, GFBio, iDiv, UniLeipzig, ZMT, Independent visualization specialist, FIZ, FAIRagro	multipart		link	
NFDI4Biodiversity; Jordan, Sabrina; Nozik, Alexandra; Singson, Lea Sophie		Seasonal School 2025 - playlist of all video recordings	en	Seasonal School, RDM basics, legal aspects, Nagoya Protocol, data rights, geospatial data, GIS, QGIS, Qfield	UniKassel, HeFDI, ZMT, FIZ, FAIRagro	video	CC BY 3.0	link	CC BY 3.0
NFDI4Biodiversity; Kostadinov, Ivaylo; Linares Gómez, Jimena; Kipker, Dennis-Kenji; Grenié, Matthias; Müller, Wolfgang; Oellermann, Michael	2022	Winter School 2022 - publications on Zenodo	en	Seasonal School, RDM basics, GFBio DMP-Tool, legal aspects, taxonomic harmonization, PANGAEA	GFBio, UMR, iDiv, UniBremen-MARUM, NFDI4Health	presentation		link	
NFDI4Biodiversity; Kostadinov, Ivaylo; Linares Gómez, Jimena; Kipker, Dennis-Kenji; Grenié, Matthias; Müller, Wolfgang; Oellermann, Michael	2022	Winter School 2022 - playlist of all video recordings	en	Seasonal School, RDM basics, legal aspects, taxonomic harmonization, OpenRefine, RightField, ReStoRunT, PANGAEA	GFBio, UniBremen-MARUM, iDiv, HITS, NFDI4Health	video		link	
Nozik, Alexandra	2024	Geospatial Data in Environmental Science	en	geospatial data	ZMT	presentation	CC BY 4.0	link	CC BY 4.0
Nozik, Alexandra	2025	Geospatial Data Collection with the Qfield app. Slides for the Practical Session in the NFDI4Biodiversity & iDiv Seasonal School 2025	en	Seasonal School, Qfield, geospatial data	ZMT	presentation	CC BY 4.0	link	CC BY 4.0
Oellermann, Michael	2022	Data Search: Publish your Research Data pt. 1	en	Seasonal School, PANGAEA	UniBremen-MARUM	video	CC BY 3.0	link	CC BY 3.0
Oellermann, Michael	2022	Data Search: Publish your Research Data pt. 2	en	Seasonal School, PANGAEA	UniBremen-MARUM	video	CC BY 3.0	link	CC BY 3.0
Oellermann, Michael	2022	Publishing Research Data in Open Access Repositories	en	Seasonal School, PANGAEA	UniBremen-MARUM	presentation * text	CC BY 4.0	link	CC BY 4.0
Oellermann, Michael; Riemann-Campe, Kathrin	2022	PANGAEA Data Curation Checklist	en	PANGAEA	UniBremen-MARUM	code * computational notebook	BSD 3-Clause License	link	BSD 3-Clause License

Ortwein, Tobias	2026	Introduction to versioning with Git and GitLab	en	Git, GitLab, version control	UMR	video	CC BY 3.0	link	CC BY 3.0
Pauli, Matthias	2025	Data publication and archiving	en	Seasonal School, PANGAEA	UniBremen-MARUM	video	CC BY 3.0	link	CC BY 3.0
Ransby, Dana	2023	PANGAEA Data Curation Checklist	en	PANGAEA	UniBremen-MARUM	code * computational notebook	BSD 3-Clause License	link	BSD 3-Clause License
Ransby, Daniela; Torres-Valdés, Sinhué	2025	Drifting data – From the Arctic ice floe to PANGAEA's digital archive	en	BiodiversiTea, MOSAiC, PANGAEA	UniBremen-MARUM, AWI	video	CC BY 3.0	link	CC BY 3.0
Rehbein, Malte	2024	Historische Biodiversität: Analytische Einblicke in die bayerische Erhebung der Wirbeltierarten 1845	de	BiodiversiTea	UniPassau	video	CC BY 3.0	link	CC BY 3.0
Riemann-Campe, Kathrin; Oellermann, Michael	2024	PANGAEA Data Curation Checklist	en	PANGAEA	UniBremen-MARUM	code * computational notebook	BSD 3-Clause License	link	BSD 3-Clause License
Röder, Juliane	2024	Bulk formatting of questions in LiaScript format	en	Online-course	UMR	multipart	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2024	Introduction to NFDI4Biodiversity, the eResearch Center of Marburg University, and their tools and services	en	RDM basics	UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2024	Introduction to research data management	en	RDM basics	UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2024	Introduction to research data management	en	RDM basics	UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2024	Introduction to research data management	en	RDM basics	UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2024	NFDI4Biodiversity Training Materials	en		UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2025	Applied Research Data Management	en	RDM basics	UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2025	A (very brief) introduction to research data management	en	RDM basics	UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane	2026	NFDI, NFDI4Biodiversity & eResearch support your research data management	en	NFDI	UMR	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane; Fischer, Marlen; Tschink, Daniel	2022	Research Data Management for Biodiversity Data	en	HeFDI	UMR, GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Röder, Juliane; Fischer, Marlen; Tschink, Daniel; Brand, Ortrun	2023	Template for the NFDI4Biodiversity & GfÖ Winter School	en	Seasonal School	UMR, GFBio	text	CC BY 4.0	link	CC BY 4.0
Röder, Juliane; Frohne, Katharina; Tschink, Daniel	2024	Research Data Scary Tales - Biodiversity Edition	en, de	research data scary tales	UMR, GFBio	text	CC0	link	CC0
Röder, Juliane; Lenze, Stefan; Ortwein, Tobias	2025	Introduction to Research Data Management	en	RDM basics, ELN, RDMO, Git, GitLab, JupyterHub	UMR	presentation	CC BY 4.0	link	CC BY 4.0

Röder, Juliane; Scherreiks, Pascal; Dröst, Frederik; Dworzcyk, Claudia; Gemeinholzer, Birgit; Reiners, Tobias Erik; Schwartz, Anna Lisa; Tschink, Daniel; Brand, Ortrun	2024	Workshopbericht Trainingsdatensätze und FDM-Trainingsmaterial	de	training data sets	UMR, UniJena FSU, TUM, IÖR, UniKassel, DDA, HGON, GDA, GFBio	text	CC BY 4.0	link	CC BY 4.0
Röder, Juliane; Signer, Johannes	2025	NFDI4Biodiversity/SeasonalSchool2024: Training data sets and additional code for NFDI4Biodiversity & iDiv Seasonal School 2024	en	Seasonal School	UMR, UniGöttingen-CIDAS	code + dataset	CC BY-NC 4.0	link	CC BY-NC 4.0
Röder, Juliane; Signer, Johannes; Scherreiks, Pascal; Figueiredo, Ludmilla; Kusch, Erik; Linares Gómez, Jimena; Müller, Wolfgang; Nozik, Alexandra; Schellenberger Costa, David; Scherer, Cédric; Schindler, Uwe; Tschink, Daniel	2025	Template for the NFDI4Biodiversity & iDiv Seasonal School on Data Management in Ecology and Environmental Science 2024	en	Seasonal School	UMR, UniGöttingen-CIDAS, iDiv, UniJena FSU, UniOslo-NatHistMuseum, CICERO, HITS, ZMT, UniLeipzig, Independent visualization specialist, UniBremen-MARUM	text	CC BY 4.0	link	CC BY 4.0
Röder, Juliane; Tschink, Daniel; Brand, Ortrun	2025	Effective Research Data Management for Biodiversity and Environmental Research: A Self-Paced Online Course by NFDI4Biodiversity	en	CoRDI	UMR, GFBio	text	CC BY 4.0	link	CC BY 4.0
Röder, Juliane; Tschink, Daniel; Brand, Ortrun	2025	Effective Research Data Management for Biodiversity and Environmental Research: A Self-Paced Online Course by NFDI4Biodiversity	en	CoRDI	UMR, GFBio	text	CC BY 4.0	link	CC BY 4.0
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms - Playlist	en	MiCoDa, statistics, R	iDiv	video		link	
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 1 - Statistical Modeling	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 2 - Bayesian Principles	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 3 - Prior & Posterior Distributions	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 4 - Linear Models	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 5 - Generalized Linear Models	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0

Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 6 - Linear Mixed Models	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 7 - Introduction to Stan	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Rosenbaum, Benjamin	2025	Introduction to Bayesian Statistics in R & brms Part 8 - Conclusions	en	MiCoDa, statistics, R	iDiv	video	CC BY 3.0	link	CC BY 3.0
Schellenberger Costa, David	2024	Taxonomic name resolution	en	taxonomic harmonization	iDiv, UniLeipzig	presentation * text * code * data set	CC BY 4.0	link	CC BY 4.0
Schellenberger Costa, David	2024	Taxonomic name harmonization	en	Seasonal School, taxonomic harmonization	iDiv, UniLeipzig	presentation * computational notebook * data set * text * image	CC BY 4.0	link	CC BY 4.0
Schellenberger Costa, David	2025	Taxonomic name harmonization	en	Seasonal School, taxonomic harmonization	iDiv, UniLeipzig	video	CC BY 3.0	link	CC BY 3.0
Schellenberger Costa, David	2025	Taxonomic name harmonization	en	Seasonal School, taxonomic harmonization	iDiv, UniLeipzig	presentation * computational notebook * text * code * data set * image	CC BY 4.0	link	CC BY 4.0
Scherer, Cédric	2024	Data Analysis & Visualisation According to FAIR Principles	en	Seasonal School, data visualization, R	Independent visualization specialist	presentation * code * computational notebook	CC BY 4.0	link	CC BY 4.0
Scherer, Cédric	2025	Data analysis & visualisation According to FAIR principles	en	Seasonal School, data visualization, R	Independent visualization specialist	video	CC BY 3.0	link	CC BY 3.0
Scherer, Cédric	2025	Data Analysis & Visualisation According to FAIR Principles	en	Seasonal School, data visualization, R	Independent visualization specialist	presentation * code * computational notebook	CC BY 4.0	link	CC BY 4.0
Schindler, Uwe	2024	Legal aspects in research data management: Data Licensing and Copyright	en	Seasonal School, legal aspects	UniBremen-MARUM	presentation	CC BY 4.0	link	CC BY 4.0
Schindler, Uwe	2025	Legal aspects in research data management: data licensing and copyright	en	Seasonal School, legal aspects	UniBremen-MARUM	video	CC BY 3.0	link	CC BY 3.0
Schober, Isabel	2023	Code for BacDive Workshop 2023	en	BacDive	DSMZ	code	MIT License	link	MIT License
Schöne, David; Thiel, Sven	2024	BEXIS2 - Eine kostenlose, quelloffene Software unterstützt Forschende bei der Datenverwaltung	de	BEXIS2, NFDI4Biodiversity Tools & Services webinar	UniJena FSU	video	CC BY 3.0	link	CC BY 3.0
Signer, Johannes	2024	FAIR tools and processes: Getting started with Jupyter & Git(Hub)	en	Seasonal School, git, GitHub, R, Jupyter	UniGöttingen-CIDAS	presentation	CC BY 4.0	link	CC BY 4.0

Signer, Johannes	2025	FAIR tools and processes: Getting started with Jupyter & Git(Hub)	en	Seasonal School, git, GitHub, R, Jupyter	UniGöttingen-CIDAS	video	CC BY 3.0	link	CC BY 3.0
Signer, Johannes; Schlägel, Ulrike; Tschink, Daniel; Röder, Juliane	2024	Trainingsdatensätze	de	training data sets	UniGöttingen-CIDAS, UniPotsdam, GFBio, UMR	text * image	CC BY 4.0	link	CC BY 4.0
Singson, Lea Sophie	2025	'Tis the Season for Legal Reason - Resource Sharing and Data Rights NFDI4Biodiversity Seasonal School 2025	en	Seasonal School, legal aspects	FIZ, FAIRagro	presentation	CC BY 4.0	link	CC BY 4.0
Singson, Lea; Boße, Sophie; Schlimbach, Anna; Kuppler, Jonas; Tschink, Daniel	2025	Datenschutz auf dem Silbertablett: Trainingsmaterial	de	legal aspects	FAIRagro, NFDI4Earth, NFDI4Biodiversity, FIZ, ZB MED, GFZ, GFBio	multipart	CC BY 4.0	link	CC BY 4.0
Specht, Inga	2025	Das digitale Spiel "Project Pollination: A Buzzing Rescue" – Hintergründe und Entwicklung	de	BiodiversiTea, serious games	LIB	video	CC BY 3.0	link	CC BY 3.0
Svoboda, Nikolai; Schmidt, Marcus	2025	Das BonaRes-Repositoryum für Boden- und ökologische Datensätze	de	BiodiversiTea	ZALF, FAIRagro	video	CC BY 3.0	link	CC BY 3.0
Thiery, Florian	2024	3D-Digitalisierung von archäologischen Objekten: Objektbiographien und digitale Workflows am Beispiel der Task Area Collecting von NFDI4Objects	de	BiodiversiTea	NFDI4Objects, LEIZA	video	CC BY 3.0	link	CC BY 3.0
Triebel, Dagmar; et al.	2023	Management von Daten zu Personen und Organisationen – 44. Diversity Workbench Workshop	de	DWB	SNSB, SNSB-IT, SNSB-BSM, LMU, NFDI4Biodiversity, GWDG, ZFMK /LIB, SMNS, FörTax	multipart		link	
Tschink, Daniel; Ebert, Barbara; Brand, Ortrun	2023	NFDI4Biodiversity - Training and Education Report	en		GFBio, UMR	text	CC BY 4.0	link	CC BY 4.0
Tschink, Daniel; Kostadinov, Ivaylo	2025	The Life of Research Data: How to Keep It Organized and Accessible	en	RDM basics	GFBio	presentation	CC BY 4.0	link	CC BY 4.0
Tschink, Daniel; Röder, Juliane; Fischer, Marlen; Brand, Ortrun	2022	Training opportunities	en		UMR, GFBio	text * image	CC BY 4.0	link	CC BY 4.0
Tschink, Daniel; Röder, Juliane; Fischer, Marlen; Brand, Ortrun	2022	Suggestions for training activities	en		UMR, GFBio	text * image	CC BY 4.0	link	CC BY 4.0
Tschink, Daniel; Röder, Juliane; Signer, Johannes; Brand, Ortrun	2024	TA1M4 Training & Education	en		UMR, GFBio	text * image	CC BY 4.0	link	CC BY 4.0
Unsel, Thorsten	2026	Digitize the Planet – Offene Schutzgebietsinformationen für digitales Aktivitätsmanagement	de	BiodiversiTea	Digitize the Planet	video	CC BY 3.0	link	CC BY 3.0
Weibulat, Tanja Melanie; Matheisen, Giada; Puchta, Michael; Schmalzl, Markus; Schwartz, Anna Lisa; Seifert, Stefan; Triebel, Dagmar; Weibulat, Tanja Melanie; Weiss, Markus	2024	Neue Wege zur FAIRen Archivierung von digitalen Forschungsdaten aus Bayern	de	DWB, SIARD	SNSB, GDA, SNSB.IT	presentation	CC BY 4.0	link	CC BY 4.0
Weiss, Markus	2023	Diversity Workbench Video Tutorials	en	DWB	SNSB-IT	video		link	

Wolf, Sophie	2022	Jupyter Workshop Winterschool 2022	en	Seasonal School, Jupyter, Python, R	UniLeipzig	multipart * computational notebook	Copyright © Sophie Wolf 2022	link	Copyright © Sophie Wolf 2022
Wolf, Sophie	2022	Jupyter Workshop Winterschool 2022	en	Seasonal School, Jupyter, Python, R	UniLeipzig	text * code * image * computational notebook	Copyright © Sophie Wolf 2022	link	Copyright © Sophie Wolf 2022



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