

ErUM-Data-Hub & DIG-UM present

Shaping the Digital Future of ErUM Research: Sustainability & Ethics

July 28 - August 1, 2025

Welcome



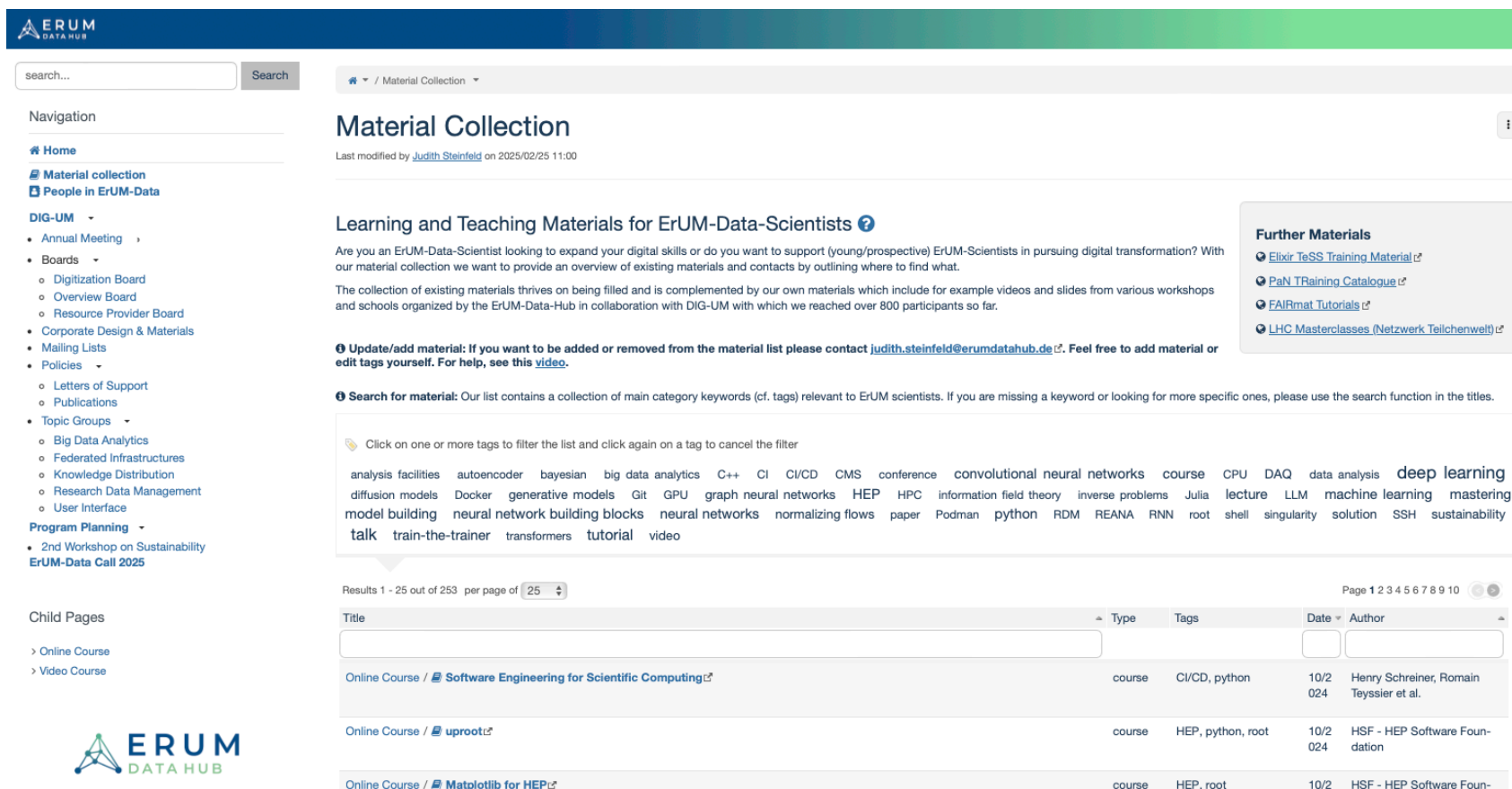
GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung

Check out the ErUM-Data Knowledge Base

<https://wiki.erumdatahub.de>



The screenshot displays the ErUM-Data Knowledge Base website. The header features the ErUM-Data Hub logo and a search bar. The left sidebar contains navigation links for Home, Material collection, People in ErUM-Data, DIG-UM, and Program Planning. The main content area is titled "Material Collection" and includes a sub-header "Learning and Teaching Materials for ErUM-Data-Scientists". Below this, there is a paragraph explaining the purpose of the material collection and a list of tags for filtering. A table of results is shown, listing various online courses and their details.

Navigation

- Home
- Material collection
- People in ErUM-Data
- DIG-UM
 - Annual Meeting
 - Boards
 - Digitization Board
 - Overview Board
 - Resource Provider Board
 - Corporate Design & Materials
 - Mailing Lists
 - Policies
 - Letters of Support
 - Publications
 - Topic Groups
 - Big Data Analytics
 - Federated Infrastructures
 - Knowledge Distribution
 - Research Data Management
 - User Interface
- Program Planning
 - 2nd Workshop on Sustainability
 - ErUM-Data Call 2025

Child Pages

- Online Course
- Video Course

Material Collection

Last modified by [Judith Steinfeld](#) on 2025/02/25 11:00

Learning and Teaching Materials for ErUM-Data-Scientists

Are you an ErUM-Data-Scientist looking to expand your digital skills or do you want to support (young/prospective) ErUM-Scientists in pursuing digital transformation? With our material collection we want to provide an overview of existing materials and contacts by outlining where to find what.

The collection of existing materials thrives on being filled and is complemented by our own materials which include for example videos and slides from various workshops and schools organized by the ErUM-Data-Hub in collaboration with DIG-UM with which we reached over 800 participants so far.

Update/add material: If you want to be added or removed from the material list please contact judith.steinfeld@erumdatahub.de. Feel free to add material or edit tags yourself. For help, see this [video](#).

Search for material: Our list contains a collection of main category keywords (cf. tags) relevant to ErUM scientists. If you are missing a keyword or looking for more specific ones, please use the search function in the titles.

Click on one or more tags to filter the list and click again on a tag to cancel the filter

analysis facilities autoencoder bayesian big data analytics C++ CI CI/CD CMS conference convolutional neural networks course CPU DAQ data analysis deep learning diffusion models Docker generative models Git GPU graph neural networks HEP HPC information field theory inverse problems Julia lecture LLM machine learning mastering model building neural network building blocks neural networks normalizing flows paper Podman python RDM REANA RNN root shell singularity solution SSH sustainability talk train-the-trainer transformers tutorial video

Results 1 - 25 out of 253 per page of 25

Page 1 2 3 4 5 6 7 8 9 10

Title	Type	Tags	Date	Author
Online Course / Software Engineering for Scientific Computing	course	CI/CD, python	10/2 024	Henry Schreiner, Romain Teyssier et al.
Online Course / uprooft	course	HEP, python, root	10/2 024	HSF - HEP Software Foundation
Online Course / Matplotlib for HEP	course	HEP, root	10/2	HSF - HEP Software Foun-

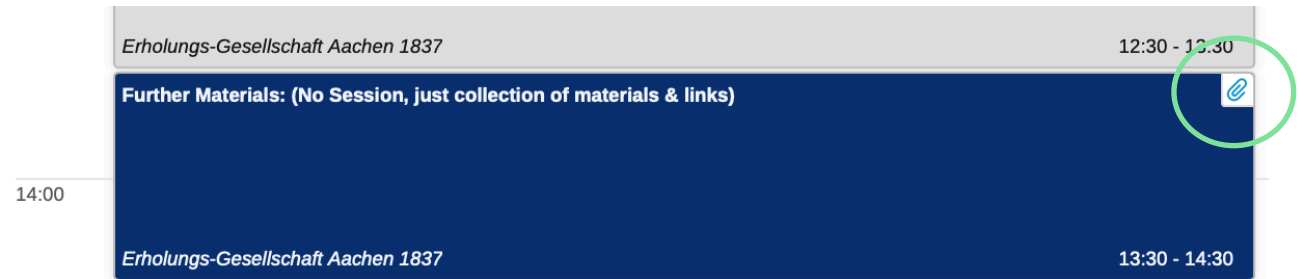


- Learning Materials
- Teaching Materials
- Contacts in ErUM
- Jobs in ErUM
- More Events



Orga

- We are happy to recycle the lanyards
- Receipts sent out by mail



Workshop Report:

- The document will remain open until August 15 for further additions from your side
- The organizing team will propose a structure and send you a first draft for comments
- We will then communicate by email and schedule an author meeting if necessary



Thank you for participating!



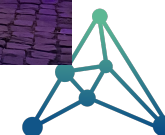
Thank you for participating!



We appreciate your feedback!

Your thoughts on the Workshop:

<https://indico.desy.de/event/47133/surveys/732>



Thank you for participating!

Congrats, you are a:



See you next time!

Thank you for joining! Have a safe journey home!