Good practices in Research Software Development

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Who are we?

- The Netherlands eScience Center is a national center for **innovative software solutions in academic research**.
- Our Research Software Engineers
  - help researchers interpret results,
  - make tools and methods reusable for the wider research community,
  - co-author research and methodological publications.

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Training Programme Schedule 2024 + 2025

	2024		2025
July		**January**	• Introduction to Deep Learning (2 full days in-person)
August		**February**	• Good Practices in Research Software Development (4 half days online) • Efficient computing in Julia – pilot (2 full days in-person)
September	• Medical Image Processing – pilot (1 full day in-person) • Intermediate Research Software Development with Python (spread over 5 weeks online)	**March**	• Machine learning in python with scikit-learn (2 full days in-person) • Carpentries Instructor Training (2 full days in-person)
October	• Good Practices in Research Software Development (2 full days in-person)	**April**	• Research Software Support Masterclass (spread over 4 weeks, combi in-person and online) • Natural Language Processing - pilot (2 full days in-person)
November	• Parallel Programming in Python together with SURF (online)	**May**	• Parallel Programming with Python (2 full days in-person) • Intermediate Research Software development with R (2 full days in-person)
December	• GPU programming (2 full days in-person)	**June**	• Intermediate Research Software Development with Python (2 full days in-person) • Image Processing with Python (2 full days in-person)

- For exact dates of upcoming workshops (3 months in advance): esciencecenter.nl/events/?f=workshops
- To be notified about coming up workshops, subscribe to the Newsletter: eepurl.com/dtjzwP

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Do you want to teach with our materials?

- All material that we use is open-source and available online. See https://www.esciencecenter.nl/training-materials/ for more information
- We can help you setup workshops, contact training@esciencecenter.nl

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Do you want us to come and teach a workshop at your organisation?

Our Digital Skills Workshops are **open to all researchers in the Netherlands**.

We also offer paid options of standard and custom workshops dedicated to your organisation. To learn more, contact:

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Schedule

Day 1	Collaborative version control with Git and GitHub
14:00	Workshop Introduction
14:15	Version control with Git
15:30	*Afternoon break*
15:45	Collaboration with Git and Github
17:00	END

Day 2	Good practices in research software development
09:30	Modular Code Development
10:30	*Morning break*
11:00	Code Documentation
12:00	*Lunch break*
13:00	Testing
15:00	*Afternoon break*
15:30	Continuous Integration
16:45	Wrap-up
17:00	END & Drinks

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Collaborative Document

- Open this link -> https://edu.nl/3wx8g

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Resources

- Collaborative version control with Git and GitHub (Day 1):
  - Material
  - Slides
- Good practices in research software development (Day 2):
  - Material
  - Slides

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Let’s stay in touch

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