



AMSTERDAM SCIENCE PARK STUDY GROUP

A vibrant community that fosters Open Science practices related
to data analysis and programming for the natural sciences



Faculty of Sciences (FNWI), University of Amsterdam

<https://www.scienceparkstudygroup.info/>



Amsterdam Science Park Study Group

GOALS OF THE STUDY GROUP

**Support students
(undergraduate to post-
graduate) and early career
researchers in the Faculty of
Science**

Empower and provide a safe
environment for learning data
analysis and programming

Share good data science
practices

Promote Open Science





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The **Study Group** is formed by an interdisciplinary team from multiple natural science domains:

- ecology
- molecular science
- biostatistics
- microscopy
- geoscience



Together we constitute a **pool of experts** capable of addressing diverse questions from statistics to software development, from genomics to microscopy.

To join the Study Group, a member nominates its successor.

Images: Flaticon.com

OUR DREAM TEAM (board members)

- Tijs Bliek (Technician)
- Like Fokkens (Post-doctoral fellow)
- Marc Galland (Data scientist)
- Joachim Goedhart (Assistant Professor)
- Johannes de Goeve (Data Manager)
- Huub Hoefsloot (Associate Professor)
- Evelien Jongepier (Bioinformatician)
- Frans van der Kloet (Research Assistant)
- Stacy Shinneman (Geoinformatician)





Stage 1
community formation
(2017 – 2019)



First training workshops (n = 2)
16 Co-working sessions
2 Carpentries Instructors trained
1 publication in *PLoS Biology*



Stage 2
maturing phase
(2019 – present)



Website creation
Community advertisement
Recruitment of 8 board members
4 Carpentries training workshops
NWO Team Science Award (2020)



Stage 3
Self-sustainable stage
(future)



Summer school
Board members recruit other members and contributors
NWO Open Science Fund

STUDY GROUP HISTORY

Our community building model is fully explained in:

Stevens et al. (2018) Building a local community of practice in scientific programming for life scientists.

PLOS Biology 16(11): e2005561.





ACHIEVEMENTS

Carpentry workshops organized

- 2 days each
- Themes: Python, R, geospatial data, genomics, etc.

Other events

- 16 co-working events (“Hacky Hours”)
- 40 one-hour lessons
- Slack workspace for questions
- Snakemake day

NWO Team Science Award (2020)

- 10k€ to expand our activities
- First official recognition





THE FUTURE

Act as a liaison between domains

- Interfacing external expertise with local needs
- Facilitate working relationships between natural scientists and data scientists

Organise a code Summer Camp

- 2 weeks for ~30 participants,
- All board members involved
- Content customized to the needs of the researchers

Become a member of the Carpentries Foundation

- Increase the pool of local instructors
- Incorporate most recent Carpentries lessons
- Network with other European instructors

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