



STUDENT INVOLVEMENT IN OPEN SCIENCE

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WHAT IS SIOS

The **Student Initiative for Open Science (SIOS)** is a student-focused and student-led initiative that promotes open science values and practices amongst the student community. Our **mission** is to showcase the value of the student perspective in all matters of Open Science, both to students and to the scientific community.

We invite you to consider how the student perspective can benefit you and provide you with some ideas on how to get the student community involved.

Once more, I was educated by academic twitter. Apparently, there are ghost writers for peer reviews. 🙄 So for instance, if a professor was invited to do a peer review, she/he would let her/his students do this work. What do we think of that? Now, there is a new paper on how to identify them ghosts. Let me know ur thoughts, here is the thread: <https://twitter.com/GaryMcDowellPhD/status/1374111223457976320> (edited)

From our SIOS Slack channel

PUBLIC ENGAGEMENT

Digital platforms offer a great way to publicly engage with a broader audience, with a low threshold. Using these platforms, recent **courses**, **internships**, and even **thesis projects** stretch what it can mean to do academic work.

An interdisciplinary team of students at UU for example produced the *Domcast*, in which they answered historical questions from citizens. Similarly, the *Living Past*s course recently produced "digital time machine applications", like online escape rooms.

Shaped together with the audience, these projects stimulate students to ask **societally relevant questions**.

OPEN CURRICULUM

An Open Science curriculum uses openly accessible material (Open Education), but may also take a more dialectical stance, shaping itself in **conversation with students**. A new common curriculum course in Utrecht is for example actively engaging with students, their needs and interests, from the start. SIOS has also given talks for several courses, displaying the students' use for OS and its interdisciplinary nature.

EVENTS

SIOS events **are aimed at students**. This means taking into consideration what topics and kinds of events are useful and important to students, and how we can persuade students to learn about open science in their **free time**.

Keep the curriculum in mind

→ Preregistration workshop at the start of the thesis period

Practicality in- and outside of academia

→ Skill sessions on version control in Git, how to use free open-source software for statistics, and how to perform a power analysis

Lower the threshold for engagement

→ Target students specifically so they know they are invited and appreciated.

→ Choose formats that are fun: Organize movie nights or *FlashTalks* by peers on different Open Science topics followed by discussions.



CROWDSOURCING SCIENCE?

February 4, 2020
17:00- 18:00
REC G2.01

Get one colloquium point!



JOIN US FOR A MOVIE & DISCUSSION ROUND ON **CITIZEN SCIENCE!**

Wonder what that even is? Citizen scientists are members of the public who, in their free time, get involved and collaborate on large scale scientific projects. And there's a lot more to it! Join us for a short video introduction to Citizen Science and a discussion about its pros and cons, and how it could be put to use in the Social Sciences.



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OUTLOOK & QUESTIONS

Open Science requires a **new academic self**, self-reflective and interactive with society. Where better to start than with students?

Student involvement in Open Science goes **beyond Open Education**. It offers diverse ways to build conscious and critical citizens. And it can even be fun!

What's in store? Recognition and Rewards, Open Access, Open Data...

