SIOS
Student Initiative for Open Science

Student Initiative for Open Science

We are Data Sharing. We are Open Access. We Are Reproducibility. We are Open Science, from students for students.

Introduction: Problem & Mission

Problem An increasing number of Open Science initiatives have emerged that are accessible to anyone, but **mainly target researchers**. We **believe that students are overlooked** within the Open Science movement and do not receive adequate education on many of the Open Science practices.

Mission We feel the urge to spread Open Science within the student community. To realize this goal, we started a student organization that promotes Open Science and emphasizes its **applicability directly to students**. By creating awareness at an early stage of their career, we will be able to improve research practices in science in the long run.
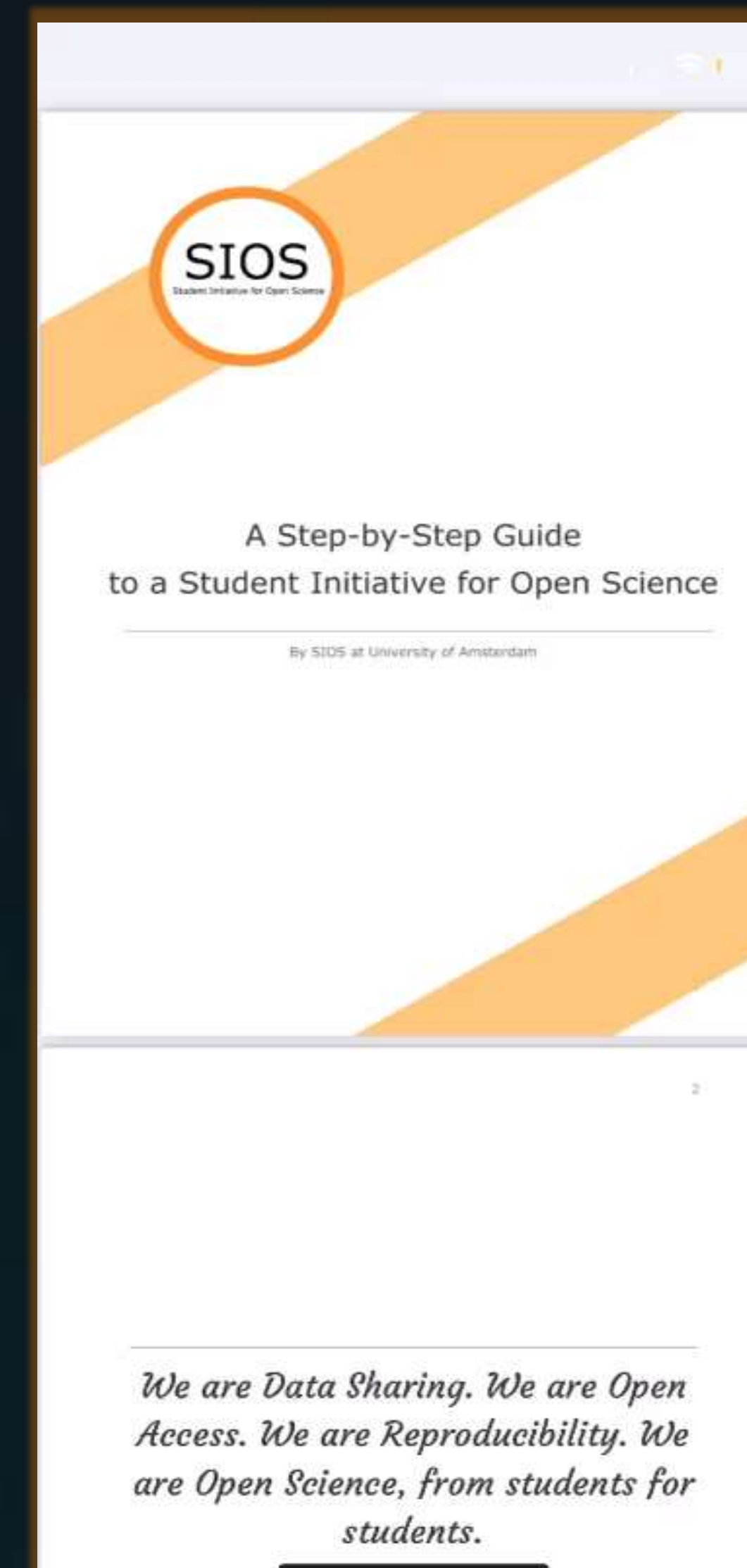
Methods: Who and What is SIOS?

Who The **events team** informs about OS practices and how students themselves can engage. Our **communication team** is responsible for providing OS news over our various social media channels.

@studentios
SIOS

What
- Yearly introduction lectures to OS
- Blogposts + interviews about preprints, how to start with OS and students' journals
- Newsletter: monthly update on OS for students
- Lectures + panel talks: Daniel Lakens, Chris Chambers, Dan Quintana, E. J. Wagenmakers, and many more.
- Workshops on preregistration

The Step-by-Step Guide

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A Step-by-Step Guide to a Student Initiative for Open Science

By SIOS at University of Amsterdam

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Our main goal is that **every university creates their own SIOS**, Therefore, we wrote a Step-by-Step on how we got started and how to structure and manage a student initiative around the topic of Open Science. Within the manual, we also included a **COVID-19 section** where we describe how to keep an initiative alive in times of online meetings and closed faculties.

Discussion: Future Plans

Future Plans
- Take part in the OS festival + conference
- Lecture with Dan Quintana on Power Analysis
- Blogpost on making mistakes and academic integrity for students
- Study on QRP among students
- Workshop on Bayesian statistics
- Future future: studies measuring our impact to guide our decisions in how to further promote Open Science practices among students by better understanding what students actually need.

Contact: sios.information@gmail.com

Newsletter   Step-by-Step Guide   Website

Results

Growth Our initiative has grown tremendously since we started and presently counts 20 members. Our **network** grows likewise – many researchers and students are giving//visiting lectures and helping each other out. We will soon have a SIOS in Groningen & Twente!

Appreciation We recently won a **grant** by Berkeley University and have also been lucky to have received the Open Science encouragement award by the Open Science festival last year. Further, we receive a lot of positive f**eedback** that we use to learn and improve.