The **Graz Open Science Initiative (GOSI)**, a grassroots initiative founded by researchers from Graz-based institutions is pleased to announce its first workshop

"The Meanings of Reproducibility"

Date: May 17th 2019, 9:15 AM – 4:30 PM

Place: Inffeldgasse 13, Ground Floor, Lecture Hall i9, 8010 Graz

Reproducibility is among the most basic forms of validating scientific research. It is for this very reason that reproducibility is one of the central pillars of the Open Science movement. Over the last couple of years, several disciplines have been struck by what has come to be known as the reproducibility crisis after certain fundamental results proved to be irreproducible, among them molecular biology, clinical medicine, and experimental psychology. The failure to reproduce these results was interpreted as a sign of flawed methodology and research design by some; others said that the failure to reproduce pointed to more fundamental problems with the scientific method. The problems were suggested either with the "publish-or-perish"-culture rampant in many disciplines which forces researchers to publish without proper scrutiny, or with the peer review process as control mechanism. Some pointed out that division of labour even within fields had reached a stage where control mechanisms have arguably failed (e.g., biased reviewers). As consequence, the crisis of reproducibility has transformed into a crisis of trust and confidence in science.

The event is open to (early career) researchers from all fields and institutions. It will introduce issues and questions surrounding the reproducibility of research results.

Participants can expect to learn more about

- The meaning(s) and role(s) of reproducibility
- What mechanisms are there to ensure reproducibility and how do they work?
- The FAIR data principles and how they impinge on research data management
- Advantages of Open Access, including preprints
- How to utilize these principles for your own research to make it more reproducible

The interactive program will include a keynote, a panel discussion featuring speakers from different fields and breakout group sessions.

Keynote: Dr. Tobias Heycke (GESIS)

Panel: Prof.in Gabriele Berg (TU Graz; Environmental Biotechnology), Dr. Tobias Heycke (GESIS; Survey Design), Prof. Peter Knoll (KFU Graz; Physics), Prof.in Katja Corcoran (KFU Graz; Psychology), TBA

Moderation: Dr.in Corinna Koschmieder

Please register under https://tinyurl.com/GOSI-repro-2019 **until the 5th of May 2019** (number of participants is limited). Snacks and refreshments will provided.

For further questions, please contact stefan.reichmann@tugraz.at