

## Workshop

### **‘Open Science’: Potentials & Perspectives for Researchers (not only) from the Social Sciences, Economics and Law**

#### **Organizational details**

Instructor:	Prof. Dr. Elmar Schlüter
Dates:	September 28, 2023, 9:15 a.m. - 4:50 p.m. and September 29, 2023, 9:15 a.m. - 4:50 p.m.
Location:	Room 101, Alter Steinbacher Weg 44, 35394 Gießen
ECTS:	2

To gain the ECTS, participants have to:

- actively participate in both course sessions
- read the course literature beforehand
- successfully complete and submit a task (in class)

Max. Number of participants: 15

#### **Objectives**

“How can the quality of research be optimally assured and how can research processes be made as transparent as possible?” In a nutshell, this question sums up what has become known under the umbrella term ‘Open Science’ - a guiding concept of a research approach oriented towards the quality criteria of transparency and openness, with access to project results as free as possible. The aim of this workshop is to convey selected central aspects of ‘Open Science’ with a view to the participants’ own research activities. Possible topics are:

- What are the central variants of ‘Open Science’?
- What are the overall potential advantages and disadvantages of an orientation towards ‘Open Science’ criteria?
- Which forms of publication are particularly suitable in the context of ‘Open Science’ (e.g. preregistered reports, prepublication servers, open access journals)?
- What does ‘preregistration’ of quantitative and qualitative studies mean? How can pre-registration be implemented in research practice?
- How and where can research data be stored sustainably and transparently for secondary analysis?
- How can data collections and analyses be made transparent in the context of ‘Open Science’? Which innovative data analysis methods are suitable for this purpose (e.g. multiverse analyses)?

## Content & Methods

Day 1:

Time	Contents:	Work Form(s):
9:15-9:30	Introduction & outline	Plenum
9:30-10:30	Hitchhiking through the 'Open Science' Galaxy!	Input lecture/ Q & A, Plenum
10:30-10:45	Break	
10:45-12:30	'Pre-registration' of research: General objectives & practical implementation	Practical exercise, partner work
12:30-13:30	Lunch break	
13:30-15:00	Planning & writing your first Pre-registration for quantitative and/or qualitative research projects	Input lecture, practical exercise, individual or partner work
15:00-15:15	Break	
15:15-16:20	'Registered-reports' as an innovative form of publication: The perspectives of researchers & reviewers in comparison	Input Lecture, Small groups, Fish Bowl
16:20-16:50	Wrap-up & discussion	Q & A, plenum

Day 2:

Time	Contents:	Work Form(s):
9:15-10:15	'Reproducibility', 'Replicability' & 'Robustness' – what it is & why it matters	Input lecture/ question & answer, plenum
10:15-10:30	Break	
10:30-11:30	How can research data be stored in a transparent & privacy compliant manner? OSF, Harvard Dataverse et al.	Input lecture, practical exercise, individual or partner work
11:30-11:45	Break	
11:45-12:30	Empirical Methods for robustness-replicability analyses I	Input lecture, demonstration
12:30-13:30	Lunch break	
13:30-15:00	Empirical Methods for robustness-replicability analyses II	Input lecture, demonstration
15:00-15:15	Break	
15:15-16:00		Practical exercise, individual or partner work
16:00-16:50	Wrap-up & final discussion, individual consultations	question & answer, plenum

### **Target group & course language**

Target group: The workshop aims at junior researchers of the GGS at all qualification levels as well as junior researchers of profile-related disciplines.

Participation requirements: No prior knowledge is required. Extensive literature for independent follow-up of the contents will be provided during the workshop. One or two selected articles are mandatory reading for gaining 2 ECTS.

Elmar Schlueter is professor of sociology at the Institute of Sociology, Justus Liebig University Giessen. His work has been published e.g. in European Sociological Review, Social Science Research and the European Journal of Social Psychology. With a focus on methods for cross-national and cross-cultural research, he has long been interested in issues concerning the robustness and/or contingency of research findings. Actively involved in teaching and educational innovation, he has a strong interest in sharing his experiences in the field of ‚Open Science‘.

### **Registration**

If you would like to attend, please register by emailing [info@ggs.uni-giessen.de](mailto:info@ggs.uni-giessen.de) by **September 18, 2023**.