# GhentCORR on Viva Engage

Join the **Ghent**CORR community on Viva Engage to connect, learn and collaborate on Open and Reproducible Research

We are a grassroots community dedicated to making research more impactful by fostering open and reproducible practices. We provide a space to engage, connect, inspire and support each other.

https://engage.cloud.microsoft/main/org/ugent.be/groups/eyJfdHIwZSI6Ikdyb3VwIiwiaWQiOiIyMDMyOTYzNDIwMTYifQ

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Preregistration & Coffee

- Welcome and introduction
- Preregistration: What and Why?
- Three cases

Annick De Paepe

**Reinoud Allaert &
Sophia Knoch**

Louise Poppe

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Why Preregistration & Coffee?

Landscape Survey

Open & Reproducible Research Practices (ORR practices):

1. Making data FAIR
2. Making publications open access
3. Preprint sharing
4. Preregistering studies
5. Sharing data openly
6. Sharing research code openly
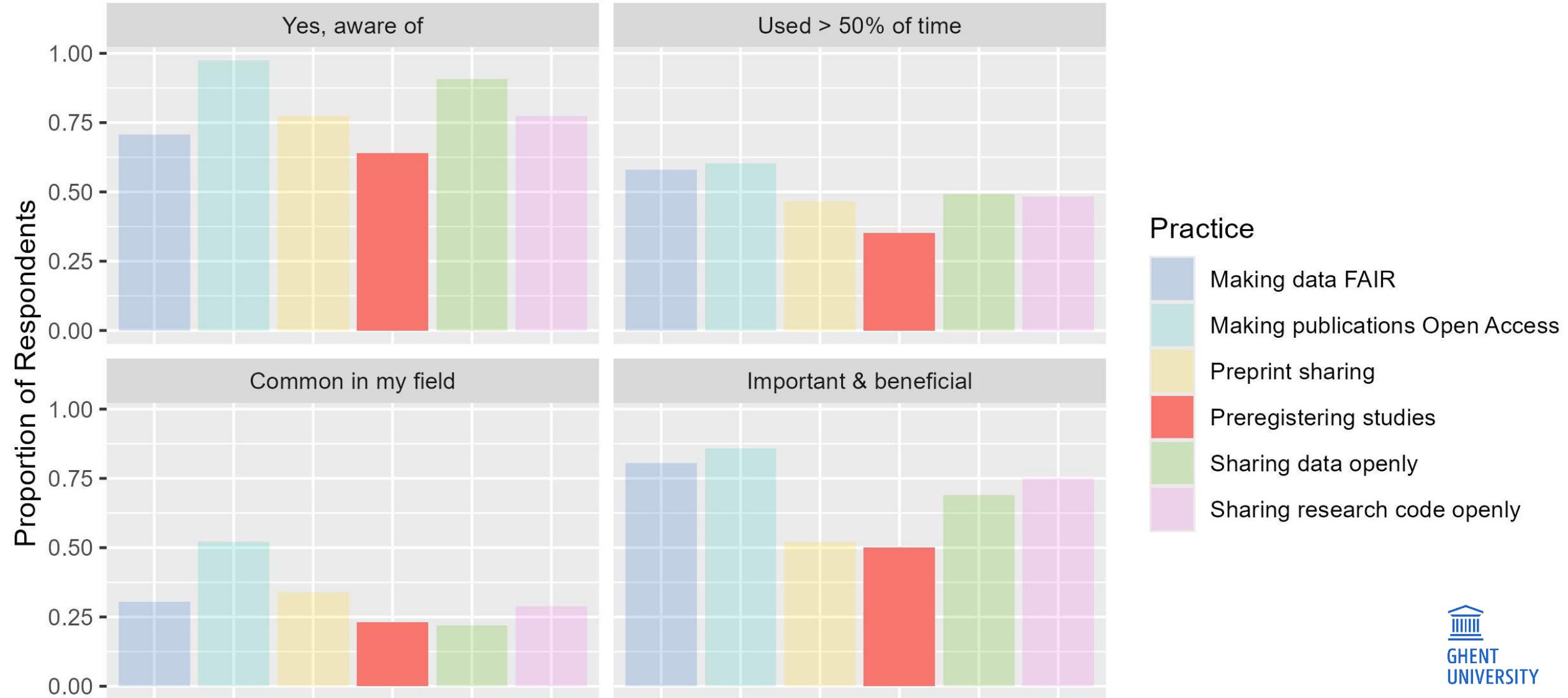
Landscape Survey

- 75 participants
- different scientific fields
- different professional status

UGent researchers/employees rated:

1. Awareness of ORR practices

2. Active use of ORR practices

3. How common are ORR practices in the field

4. Which ORR practices are considered important/beneficial

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ORR Practices

What is preregistration

The practice of registering the hypotheses, study design, methods for data collection and analysis of a scientific study, before it is conducted.

- Fixed/read only
- Time-stamped
- Submitted to a public registry

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Why?

An antidote for bad research practices

- it helps to separate confirmatory and exploratory analyses
- it prevents HARKing (hypothesizing after the results)
- it prevents p-hacking
- it avoids publication bias and selective reporting

In addition it helps

- gain credibility
- communicate research (plans)
- create robust and well-though off research plans

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Where?

- **OSF**: domain-general preregistration repository service with multiple formats for preregistration
- **AsPredicted**: domain-general registry service providing standardized preregistration template
- **Preclinicaltrials.eu**: preclinical animal study protocols
- **Animalstudyregistry.org**: animal studies
- **PROSPERO**: systematic reviews, health and social care
- **Evidence in Governance and Politics (EGAP)**: political sciences
- **Registry for International Development Impact Evaluations (RIDIE)**: social sciences
- **Social Science Registry (AEA)**: Economics
- …

Registered Reports

Registered Reports are a form of empirical article in which the methods and proposed analyses are published and reviewed prior to research being conducted

Peer review is divided in two phases

1. Before data are collected
2. After executing the study

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The **Center for Open Science** lists over 300 journals that adopt registered reports.

Journal	Notes
AAS Open Research	Author Guidelines
Academy of Management Discoveries	Guidelines
Acta Psychologica	Guidelines
Addiction Research & Theory	Guidelines
Advances in Methods and Practices in Psychological Science	Guidelines for Registered Reports	Guidelines for Registered Replication Reports
Affective Science	Announcement	Details to follow
American Political Science Review	Guidelines
AMRC Open Research	Author Guidelines
Analyses of Social Issues and Public Policy	Guidelines
Animal Behavior and Cognition	Guidelines
Animals	Guidelines
Applied Cognitive Psychology	Editorial	Guidelines for Authors	Guidelines for Reviewers
Archive for the Psychology of Religion	Guidelines
Assessment	Editorial	Guidelines
Attention, Perception, and Psychophysics	Editorial
Auditory Perception and Cognition	Editorial	Guidelines

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Overview with specifications
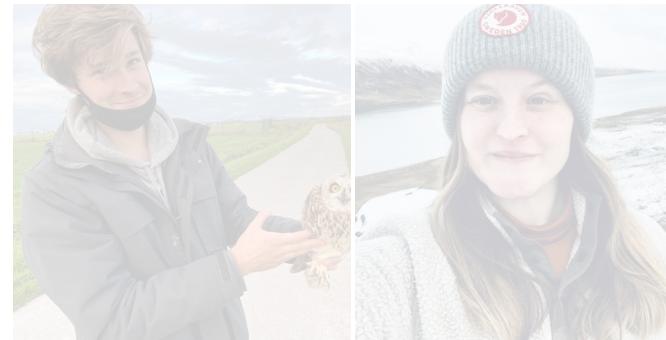
Journal	1. Includes pre-study peer review	2. Offers provisional pre-study acceptance	3. Permanence of adoption	4. Offered for novel studies	5. Offered for replication studies	6. Offered for meta-analysis	7. Offered for analyses of existing data sets	8. Publishes Registered Reports only	9. Allows reporting of unregistered analyses	10. Includes post-study peer review	11. Allows inclusion of unregistered pilot studies	12. Requires public data deposition	13. S stru crit ed de
JOURNALS OFFERING REGISTERED REPORTS													
AAS Open Research	✓	✓	Indefinite	✓	✓	✓	✓		✓	✓	✓	✓	
Academia Journal of Stroke	✓	✓	Indefinite	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	
Academy of Management Discoveries	✓	✓	Indefinite	✓	✓		✓		✓	✓	✓		
Acta Psychologica	✓	✓	Indefinite	✓	✓		✓		✓	✓	✓	✓	
Adaptive Behaviour and Human Physiology	✓	✓	Special issue	✓	✓	✓	✓		✓	✓	✓	✓	
Addiction Research & Theory	✓	✓	Indefinite	✓	✓		✓		✓	✓	✓	✓	
Advances in Methods and Practices in Psychological Science	✓	✓	Indefinite	✓	✓	✓	✓		✓	✓	✓		
AERA Open	✓	✓	Special issue	✓	✓	✓	✓		✓	✓	✓		
Affective Science	✓	✓	Indefinite	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	
Alimentary Pharmacology & Therapeutics	✓	✓	Indefinite	✓	✓		✓		✓	✓	✓		
American Journal of Political Science	✓	✓	Special issue: 2016 ANES Preacceptance Initiative	✓			✓		✓	✓			
American Political Science Review	✓	✓	Special issue: 2016 ANES Preacceptance Initiative	✓			✓		✓	✓			
			Special issue: 2016										

Three cases:

Annick De Paepe

Peer Community In – An alternative publication model for transparent and Open Science

Reinoud Allaert & Sophia Knoch

Louise Poppe

Three cases:

Annick De Paepe

Reinoud Allaert & Sophia Knoch

Louise Poppe

Publishing a preregistered report in the Royal Society Open Science.

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Three cases:

Annick De Paepe

Reinoud Allaert & Sophia Knoch

Louise Poppe

Preparing a preregistered report for Peer Community In Registered Reports.

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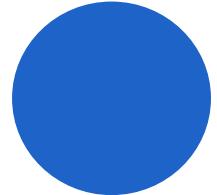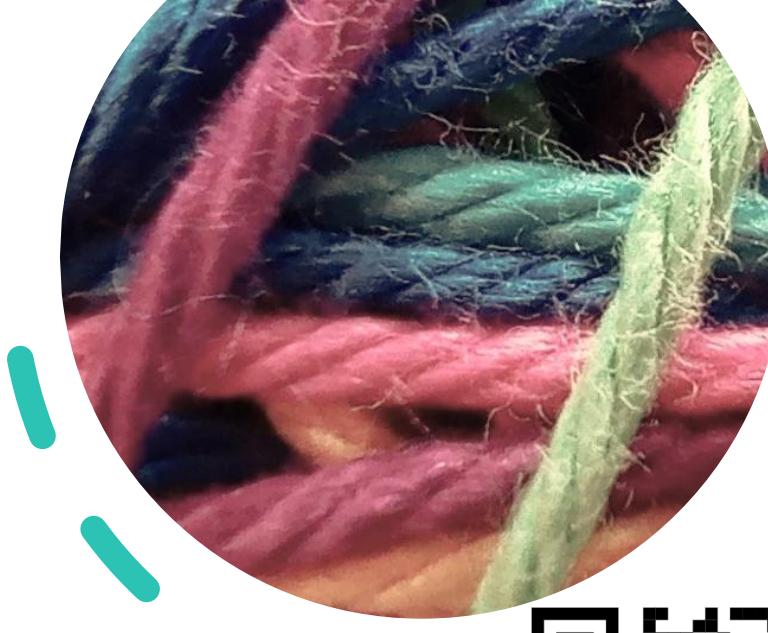
Coffee & Tea

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