



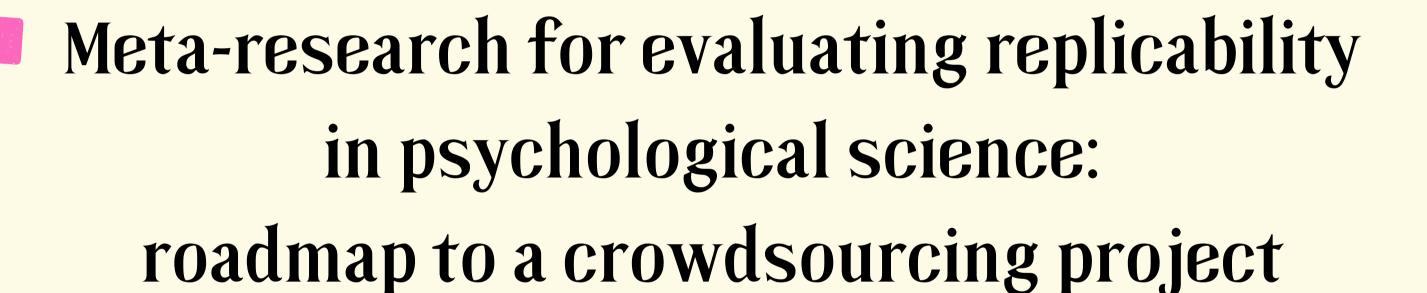


Conte F.P., Facchin A., Giaquinto F., Rizzi E., Vezzoli M., Zogmaister C.

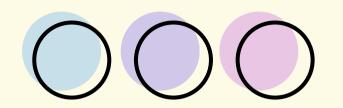




PAGE 01



START



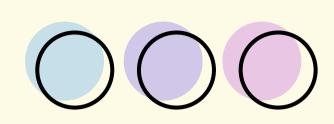
### OOO Our Experience

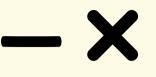






- Project: "Transparency of Methods"
- Our project is **ongoing**:
  - First crowdsourcing call: at the ITRN meeting last February
  - Currently: submitting a Registered Report

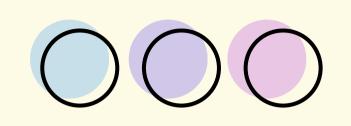








- Choosing to crowdsource
- Preparing for the "crowd"
- What we learnt
- The road ahead



### Our Project





PAGE 04

#### Background

Increased awareness around the importance of methods replicabilty. Best practices are still far from being the norm.

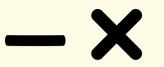
#### Aim

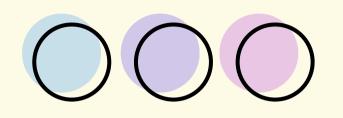
Quantify the methodological replicability of as many published psychological s as possible.



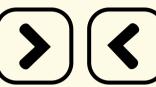
What proportion of published works provide enough information to replicate the study?

What information is most often provided/ missing?



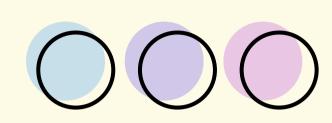


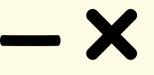
# Research Plan





- Use a checklist to quantify and qualify the reporting of research methodology in published academic papers.
- Papers published in different years (2011 & 2021) to monitor changes across time
- Papers published by different journals and in different fields of psychological research









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Our project aims to evaluate the methodological replicability of published Psychological research studies

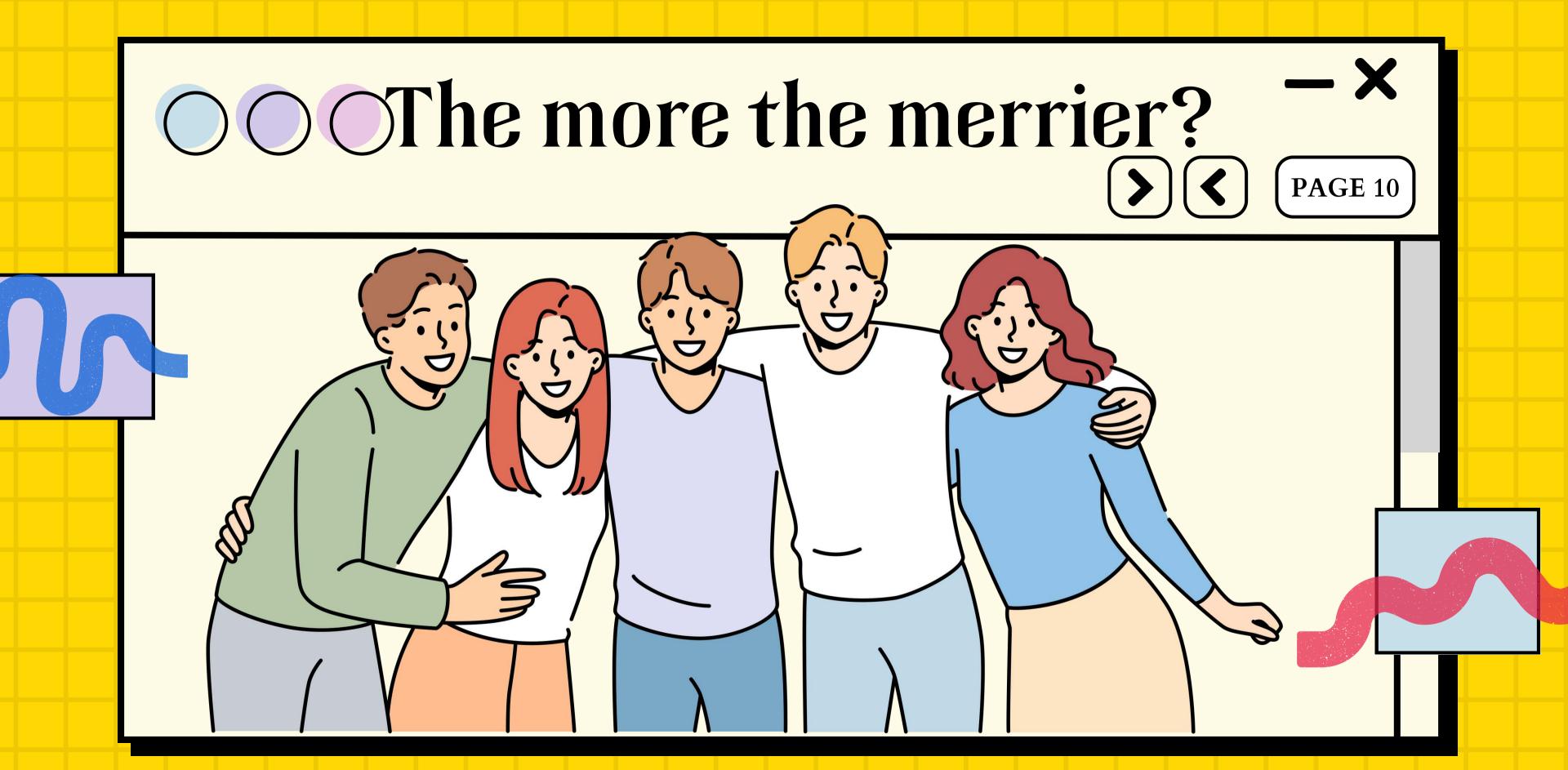
So the goal is to <u>rate as many studies as possible</u> according to how replicable their methods are.

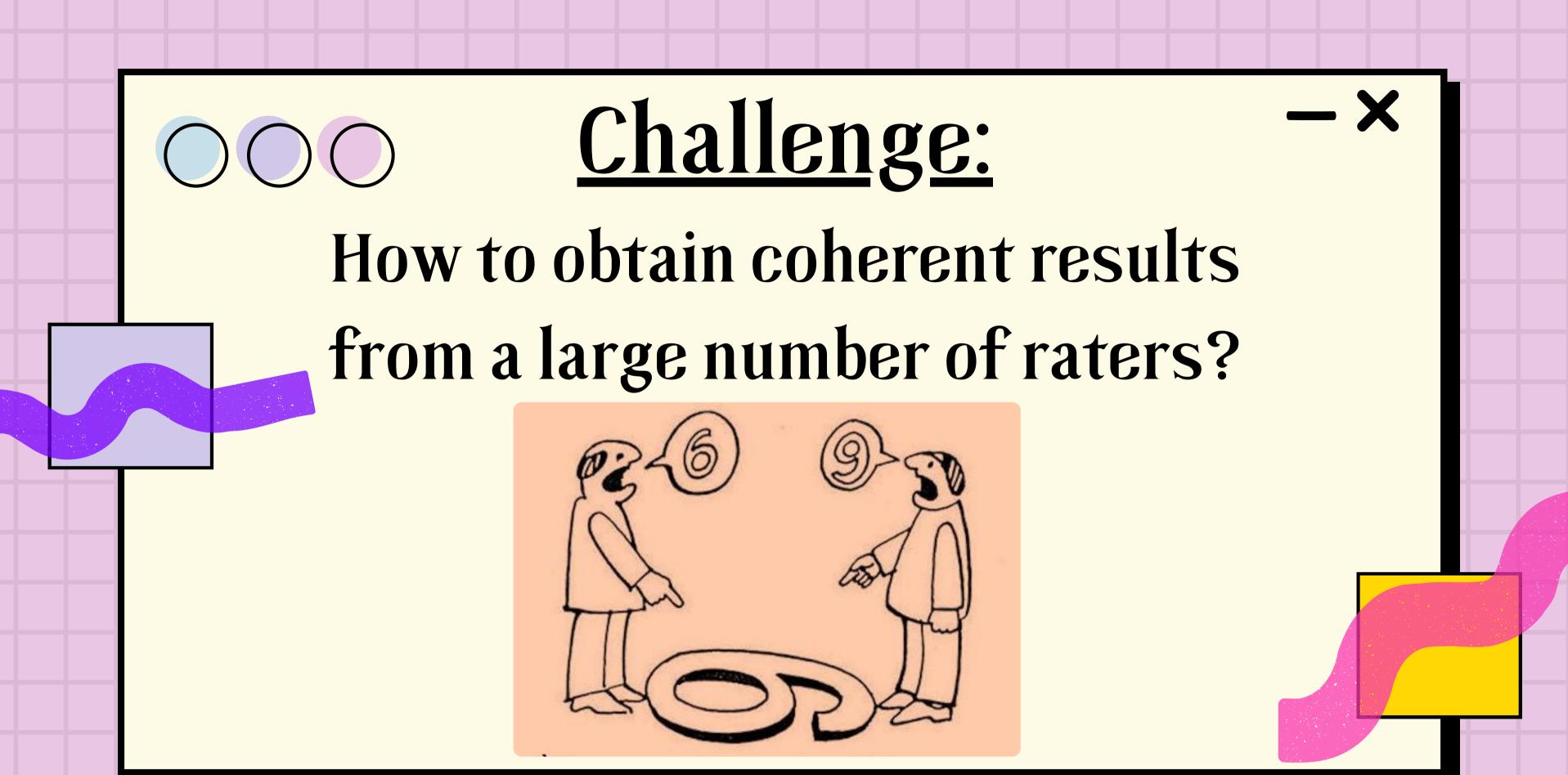
# O Why Crowdsource?

Many Researchers = Many Studies Evaluated

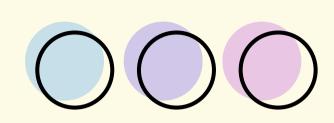
-> necessary to achieve the desired impact

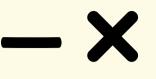
Many Researchers ~= Many Areas of Expertise -> more comprehensive theoretical evaluation







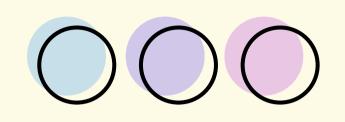








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## OOO The Pilot Study



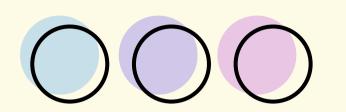




PAGE 14

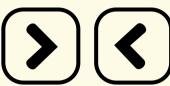
#### Aims:

- Define instruments and procedures
- Evaluate the **feasibility** of the project
- Understand potential challenges and their solutions





## OOO The Pilot Study





**PAGE 15** 

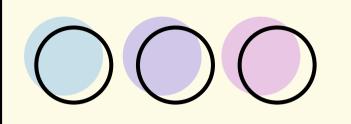
#### Methods

"People-sourcing"

• 6 Researchers/ raters

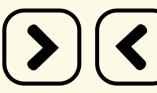


- 180 social and general psych. papers from 5 journals o JPSP, EJSP, JEP:general, Cognition, Collabra
- Adapted PECANS checklist\*
  - ogeneral requirements, participants, design, procedures, tasks



## OOO The Pilot Study





**PAGE 16** 

#### Results

Replicability index

by Year

2011

M(sd)

0.41 (0.18)

2021

0.50 (0.16)

by Journal (2021)

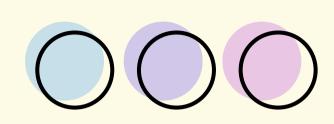
Collabra

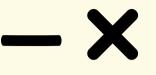
Others

M(sd)

0.54 (0.16)

0.49 (0.16)









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## OO About this project

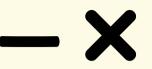


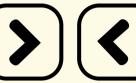


- Define study inclusion criteria (e.g., only human participants)
- Define collaborators workload (i.e., number of assigned papers)
- Define **strategies** (e.g., matching collabolators' expertise)

Bonus: expanding the study by asking collabolators how their outlook was changed by participating









The **checklist**:several items needed clarification

Collect Feedback

Test Checklist

Improve Checklist

Recruit Raters









PAGE 20

01

Crowdsourcing at EVERY step.

It is important to have differing viewpoints since the first project formulation.

02

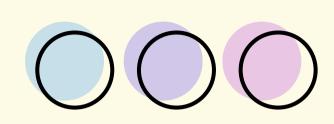
Starting small and growing gradually.

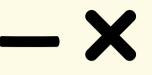
Practice collaborating with increasingly larger and more diverse groups.

03

An iterative process.

It can't all be planned out from the start: some issues can only be identified and solved "on the field"

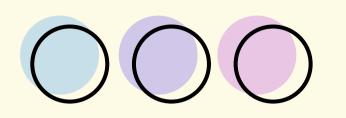








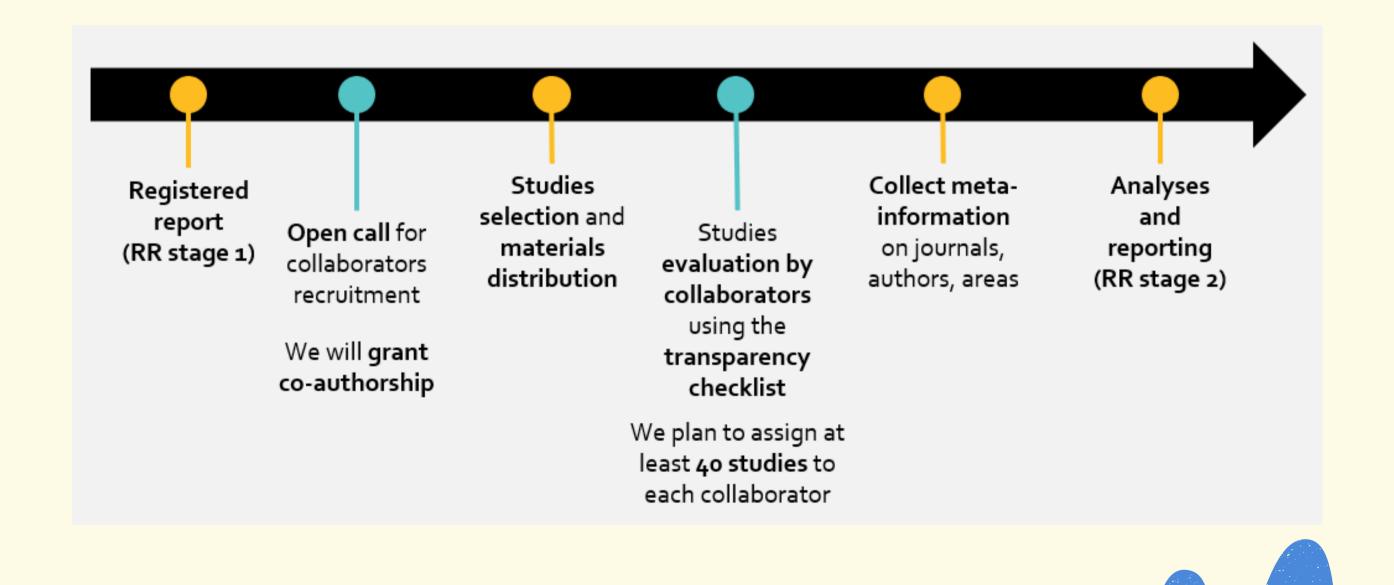
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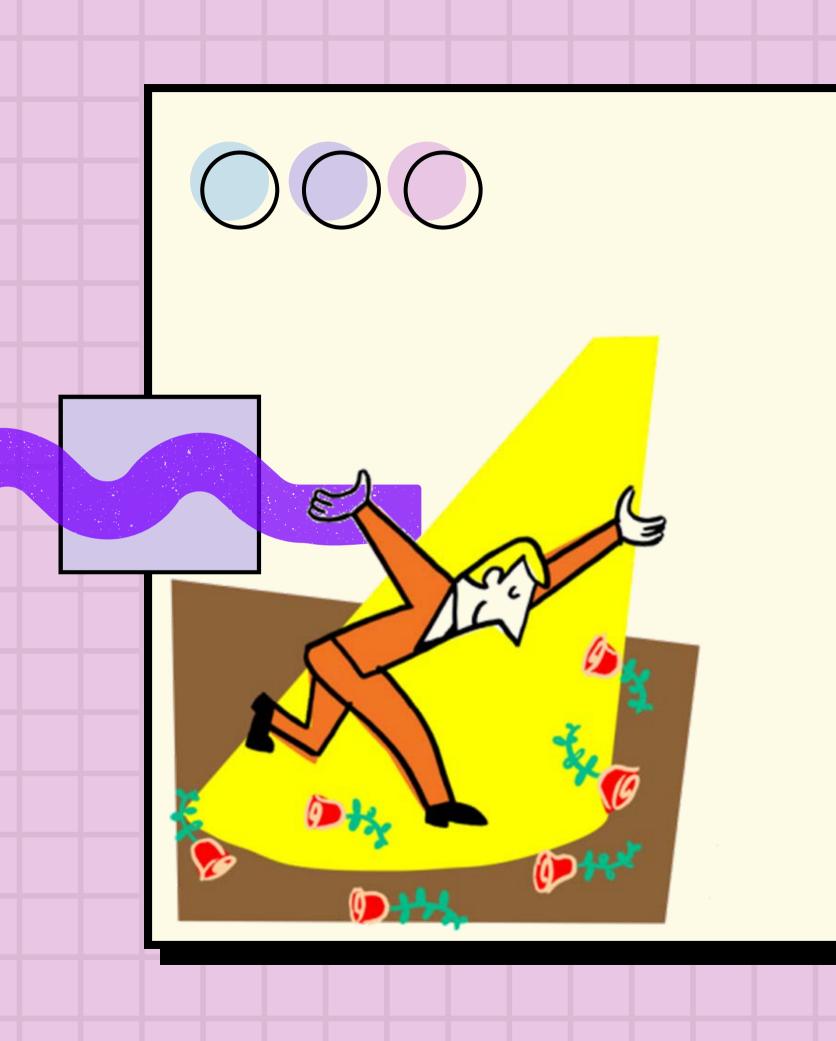
## OOO Project Timeline











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