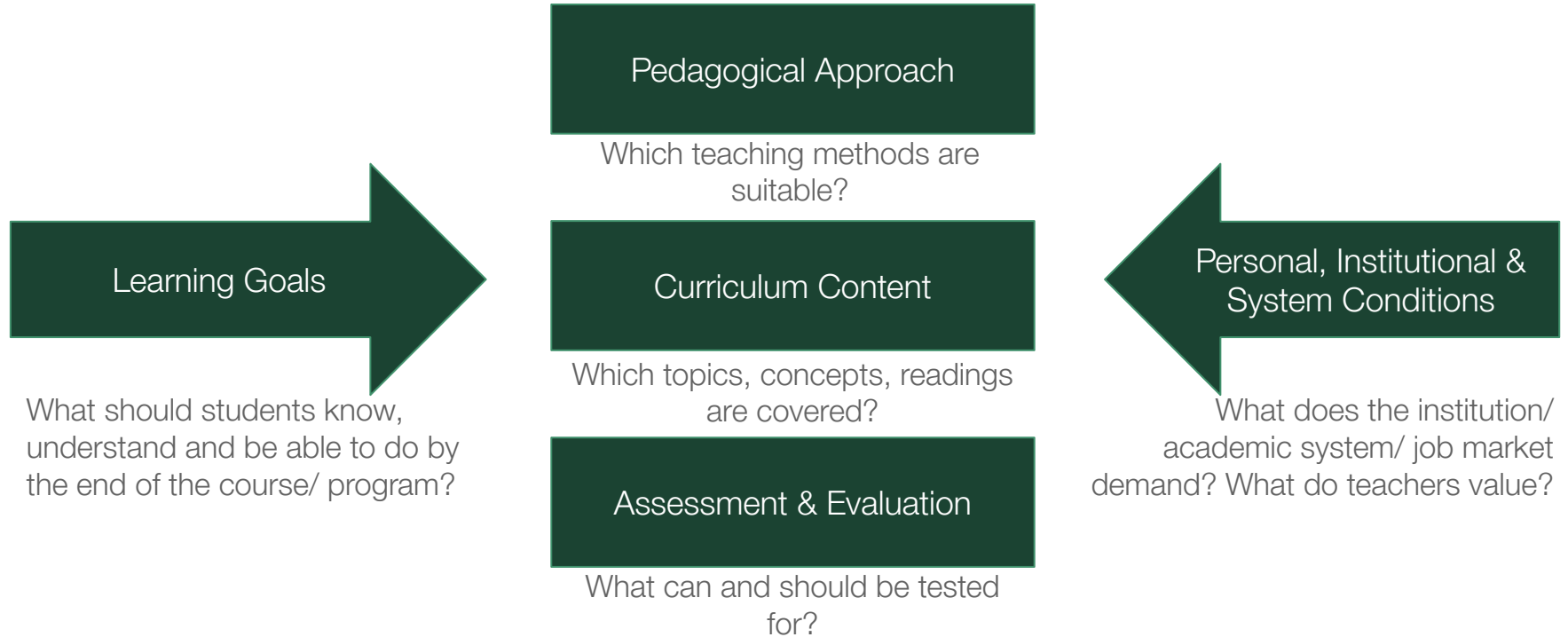




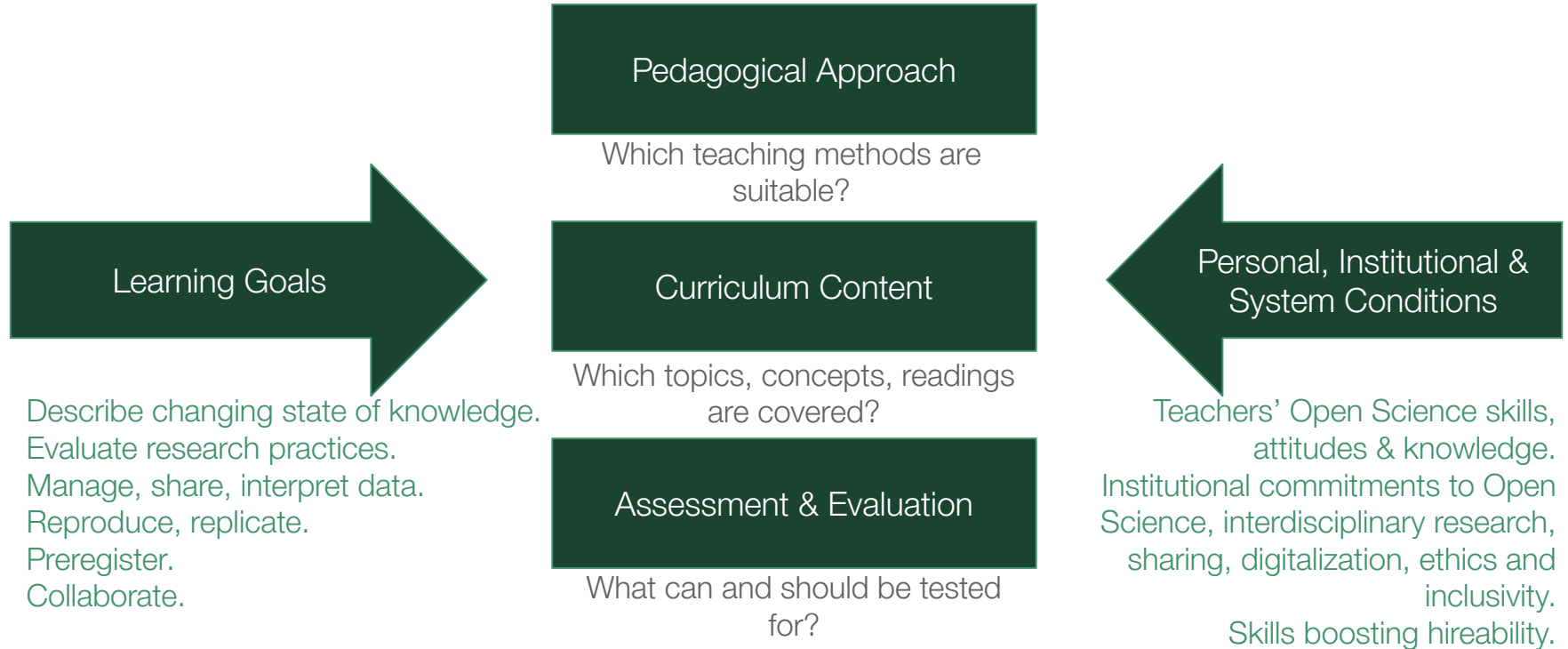
Making Space for Open Science in Curriculum Design

Rima-Maria Rahal
Max Planck Institute for Research on Collective Goods
Heidelberg University

Curriculum Design in Higher Education



Curriculum Design with Open Science in Mind



Curriculum Design with Open Science in Mind

Pedagogical Approach

Which teaching methods are suitable?

Opportunities to actively involve students in knowledge generation and skill-building, for example through:

Experiential Learning

Actively engaging in Open Science tasks.

Flipped Classroom

Engaging with readings outside of class, reserving in-class time for discussion of Open Science aspects.

Curriculum Design with Open Science in Mind

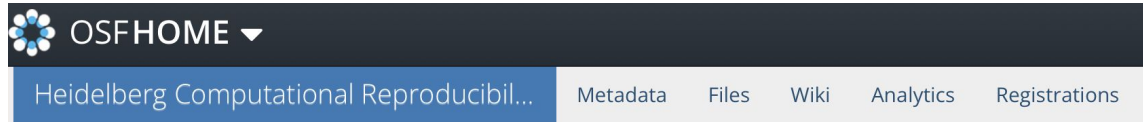
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The screenshot shows the top navigation bar of the OSFHOME website. It features the OSFHOME logo on the left, followed by a dropdown menu. Below the logo, the text 'Heidelberg Computational Reproducibil...' is visible, along with navigation links for 'Metadata', 'Files', 'Wiki', 'Analytics', and 'Registrations'.

Heidelberg Computational Reproducibility Clinic

Contributors: [Rima-Maria Rahal](#), [Benedikt A. Voß](#), [Luise Johanna Schuricht](#), [Annika Sauer](#), [Undine Franz](#), [Hannah Nicke](#)

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Category:  Project

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Individual Reading → Assessment 1 → Discussions → Assessment 2

Plausibility

Robustness

Comprehensibility

Generalizability

Reproducibility

Validity

Transparency

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Curriculum Content

Which topics, concepts, readings are covered?

Opportunities to update materials to reflect changing state of knowledge, research methods and research norms:

Textbook

Open Educational Resources
Updates based on Replicability

Software

Open Source, Open Data, Open
Materials, Preregistration

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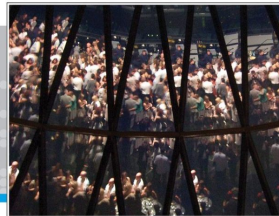
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Updates based on Replicability

Rajiv Jhangiani, Hammond Tarry

1ST INTERNATIONAL HSP EDITION
**Principles of
Social Psychology**



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BCcampus | OpenEd

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R_Code_OnlineSurvey4.R



```
#R Code „Inadmissible evidence“ –Project  
  
#Data processing „results.survey173637“ (new data)  
  
# Remove all persons from the data set who have not entered anything for "Judgement"  
results.survey173637 <- subset(results.survey173637, !is.na(Judgement) & Judgement != "")  
  
# Delete unnecessary variables  
results.survey173637 <- subset(results.survey173637, select = -submitdate)  
results.survey173637 <- subset(results.survey173637, select = -lastpage)  
results.survey173637 <- subset(results.survey173637, select = -startlanguage)  
results.survey173637 <- subset(results.survey173637, select = -seed)
```

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Assessment & Evaluation

What can and should be tested for?

Opportunities to emphasize the importance of Open Science through relevant assessment and evaluation criteria:

Exam Questions

Open Science as part of quizzable knowledge and skills.

Assignments

Relating to Open Science topics and skills.

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Assessment & Evaluation

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Problem 5 (9 points):
Contrast the findings of a classical experiment in social psychology with a failed replication attempt!

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Assessment & Evaluation

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Open Social Psychology

Open Social Psychology

Edited by Rima-Maria Rahal

Knowledge co-creation: writing textbook chapters about original research in social psychology and its changing perception following replication attempts.

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