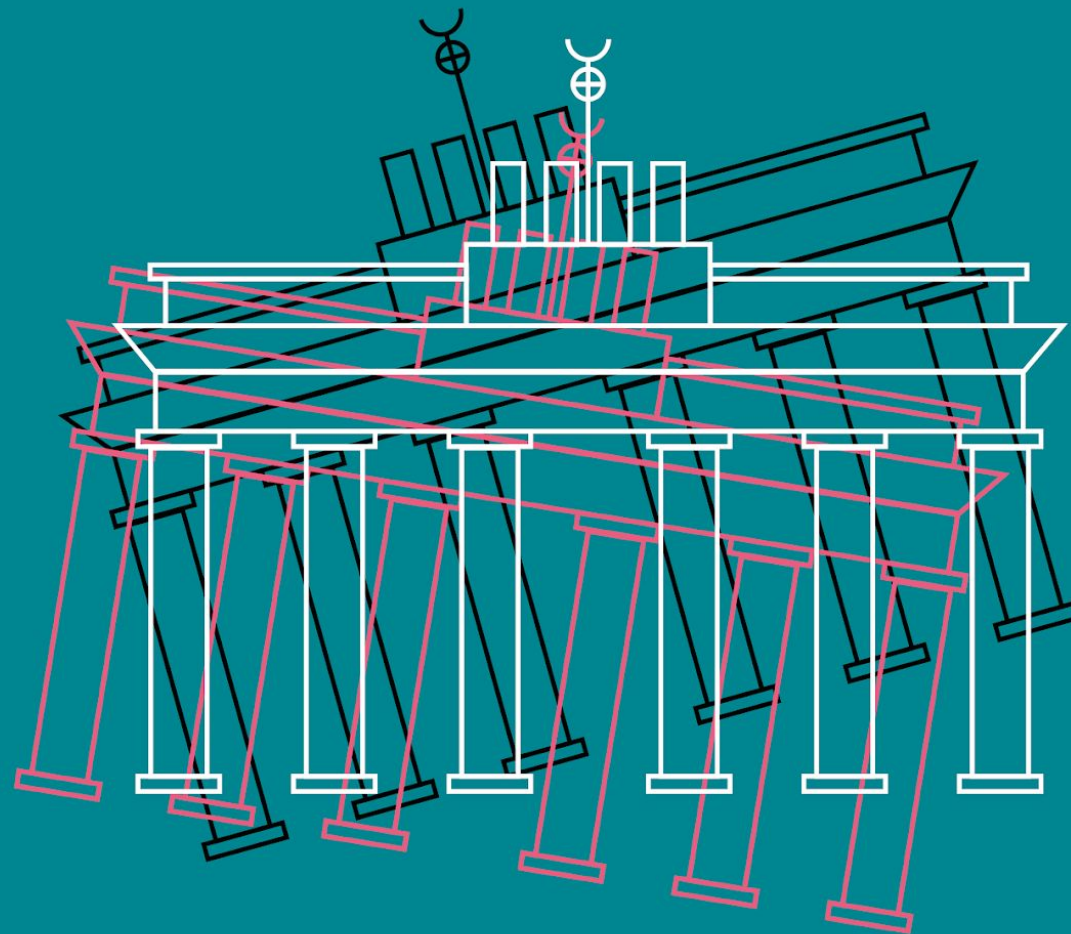


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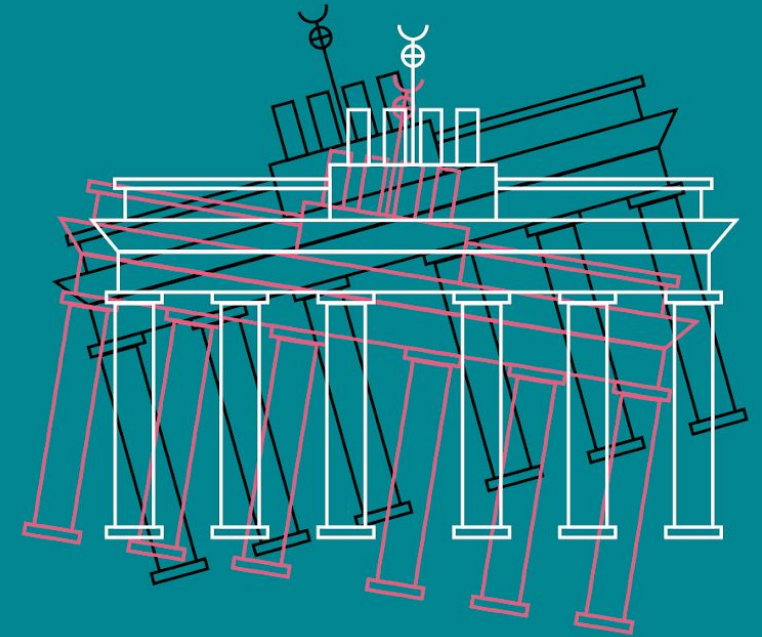


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# ZBW Open Science session | Bringing Open Science into action: The role of educating young researchers



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3. On-site participants: state in your question if you would like to present your question live





# Impulse statements



**Julia Priess-Buchheit,**  
Kiel University



**Maura Burke,**  
Utrecht University



**Helen Clare,**  
Jisc

# *Open Science as Science: Perils and Benefits*

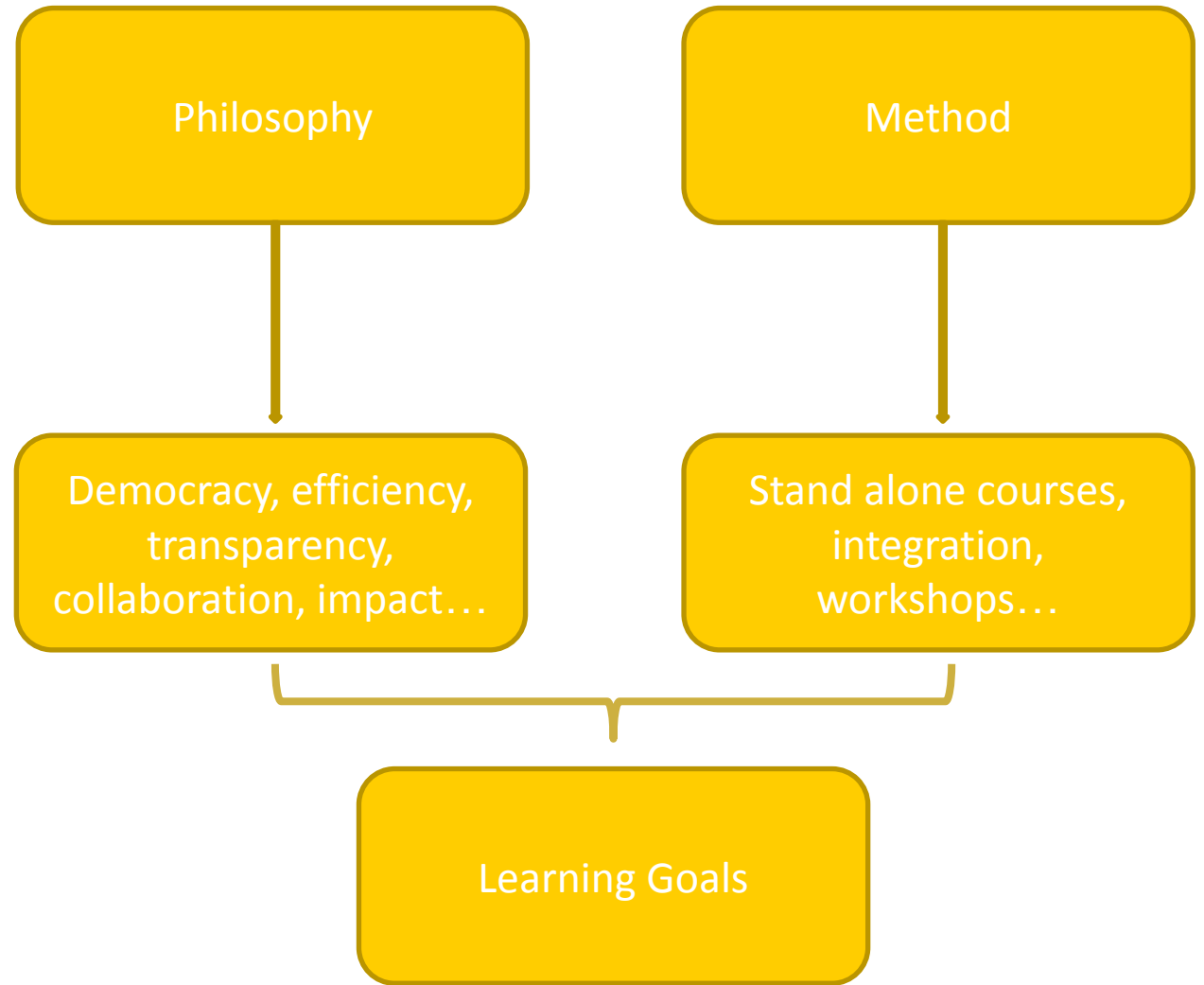
**Maura Cassidy Burke**

# What is Open Science Education?

The creation of an open attitude...

The utilization of OS methods...

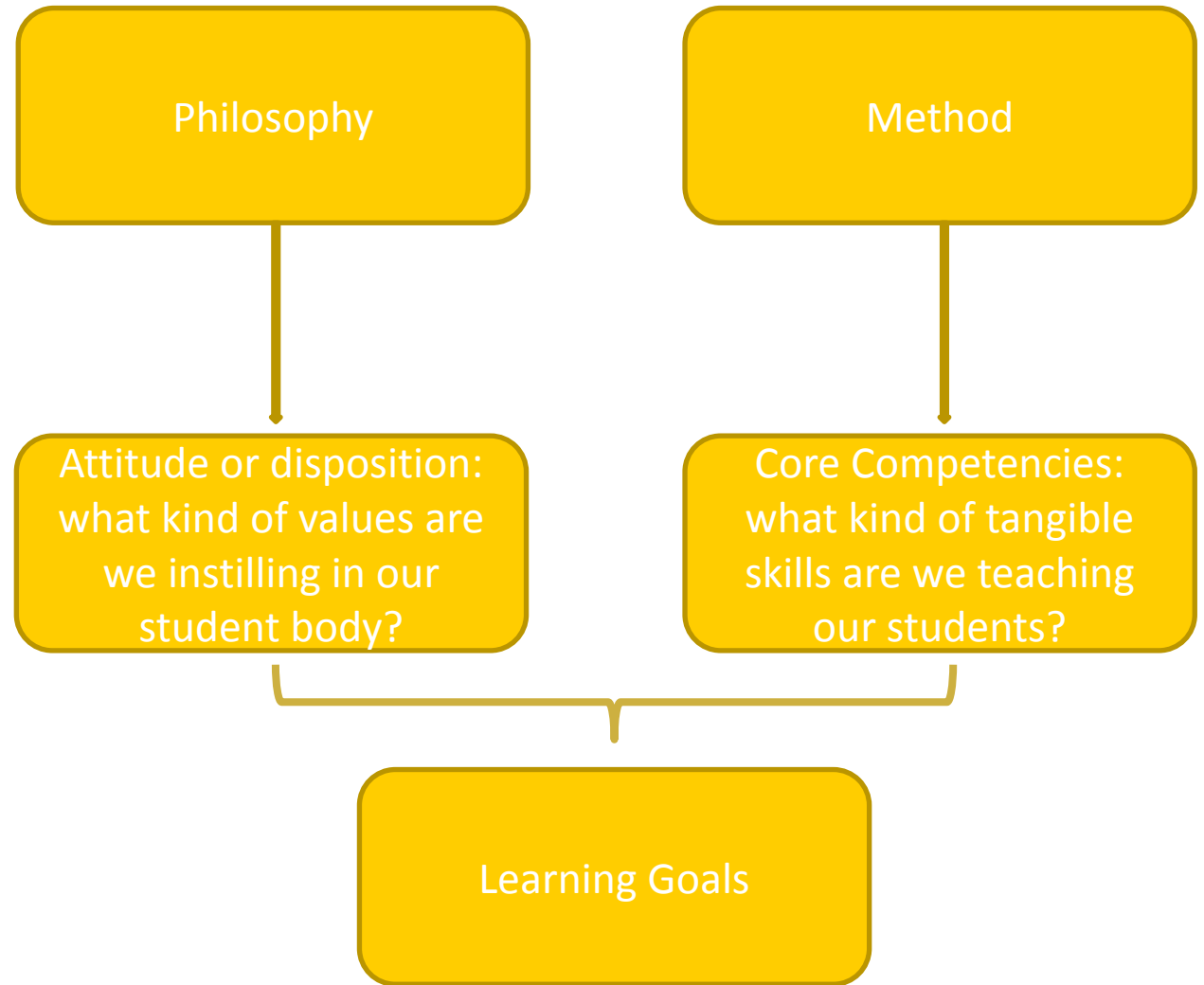
The utilization of OERs...



# What is Education? Why do we teach?

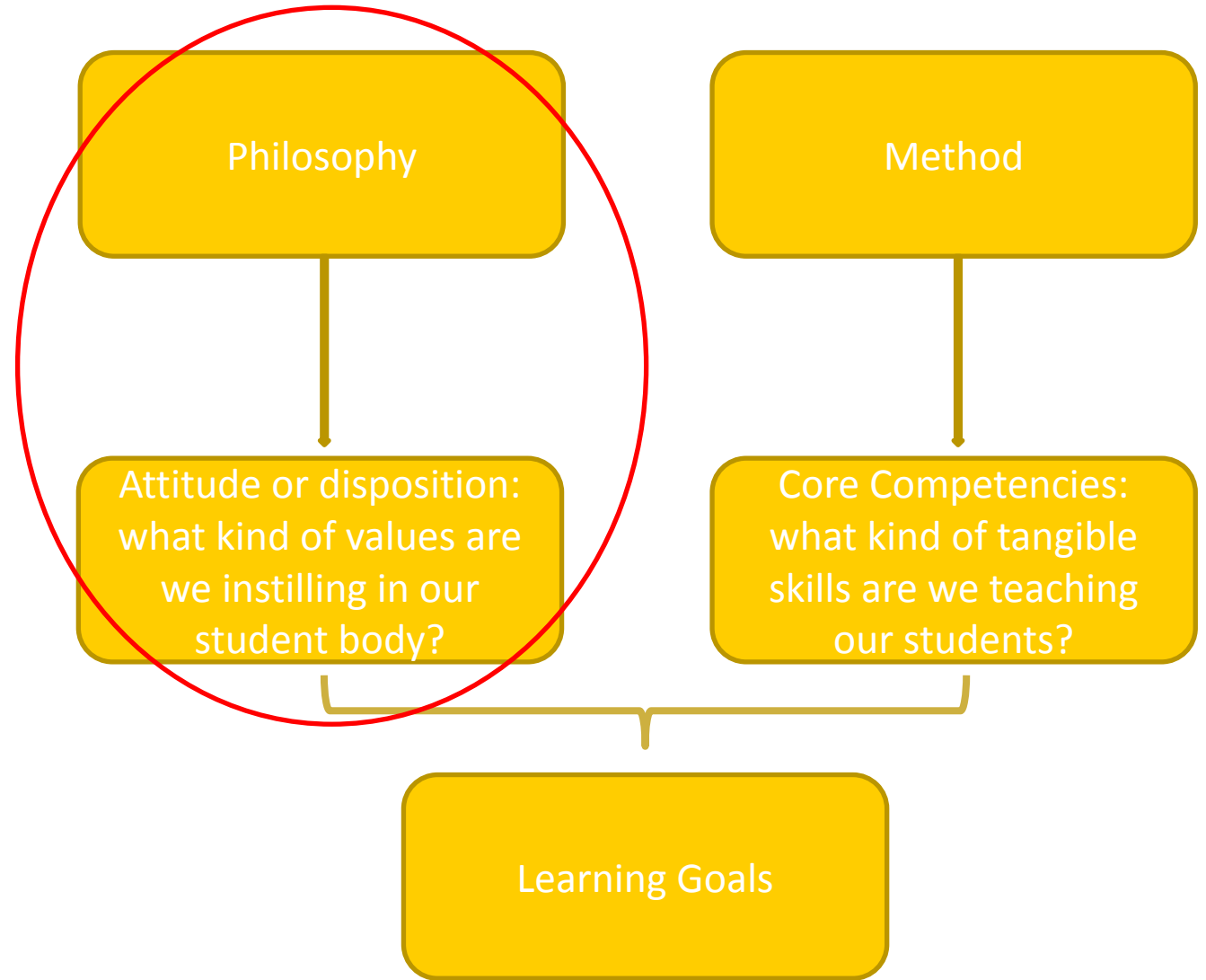
To train for jobs

To train for life



# What kind of people do we want to help shape?

The creation of an open attitude... how? Why? What is this driven by and what are the markers of success?





*Is 'Open Science' just science 'done right'?*

~~*Is 'Open Science' just science 'done right'?*~~

# Open Science



# Open Science

- Peer Review
- Pre-Prints
- Anonymization
- COIs
- OERs
- FAIR

## Methods

- ### Norms
- Publish or Perish
  - Positive Publication Bias
  - OA/Non-OA
  - Replication Studies
  - Novelty Hunting
  - Metric-Driven
  - Post-Doc Pipeline



- Democracy
- Transparency
- Openness
- Tradition
- Competition
- Objectivity
- Superiority

## Values

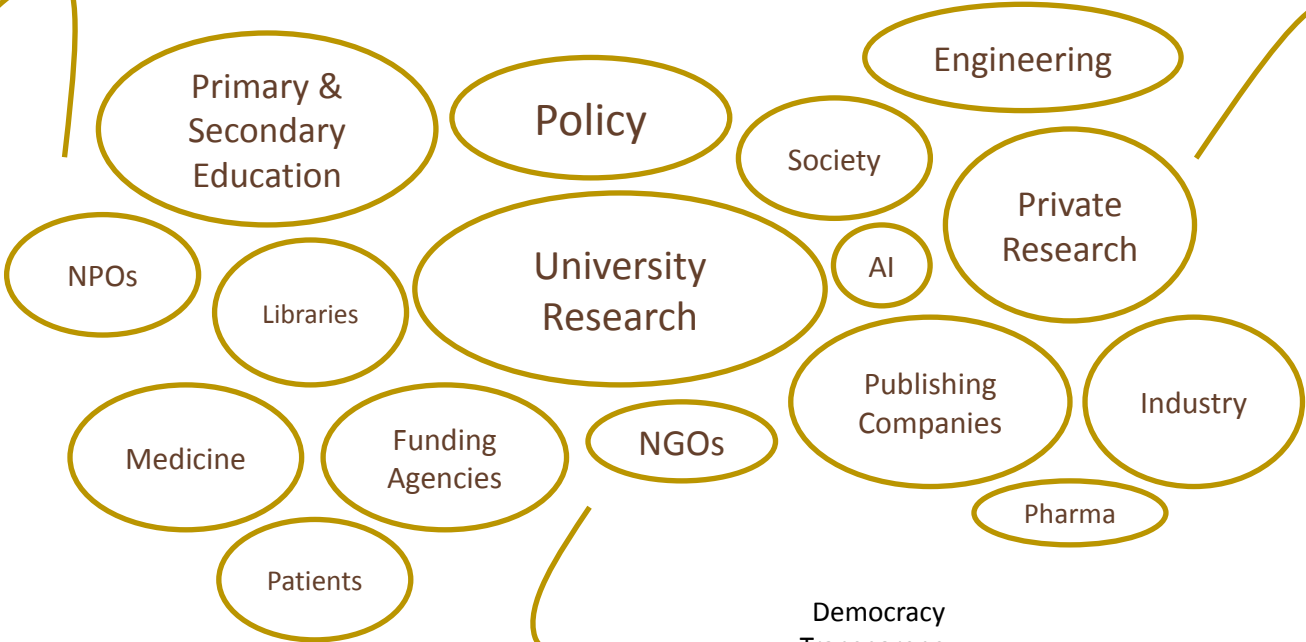
# Open Science



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## Methods

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- Democracy
- Transparency
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- Tradition
- Competition
- Objectivity
- Superiority

## Values

~~*Is 'Open Science' just science 'done right'?*~~

*Open Science is applied philosophy of science:  
it is a moment of collective meta-analysis, conceptual clarification, historical  
investigation, and concept creation.*

## Perils

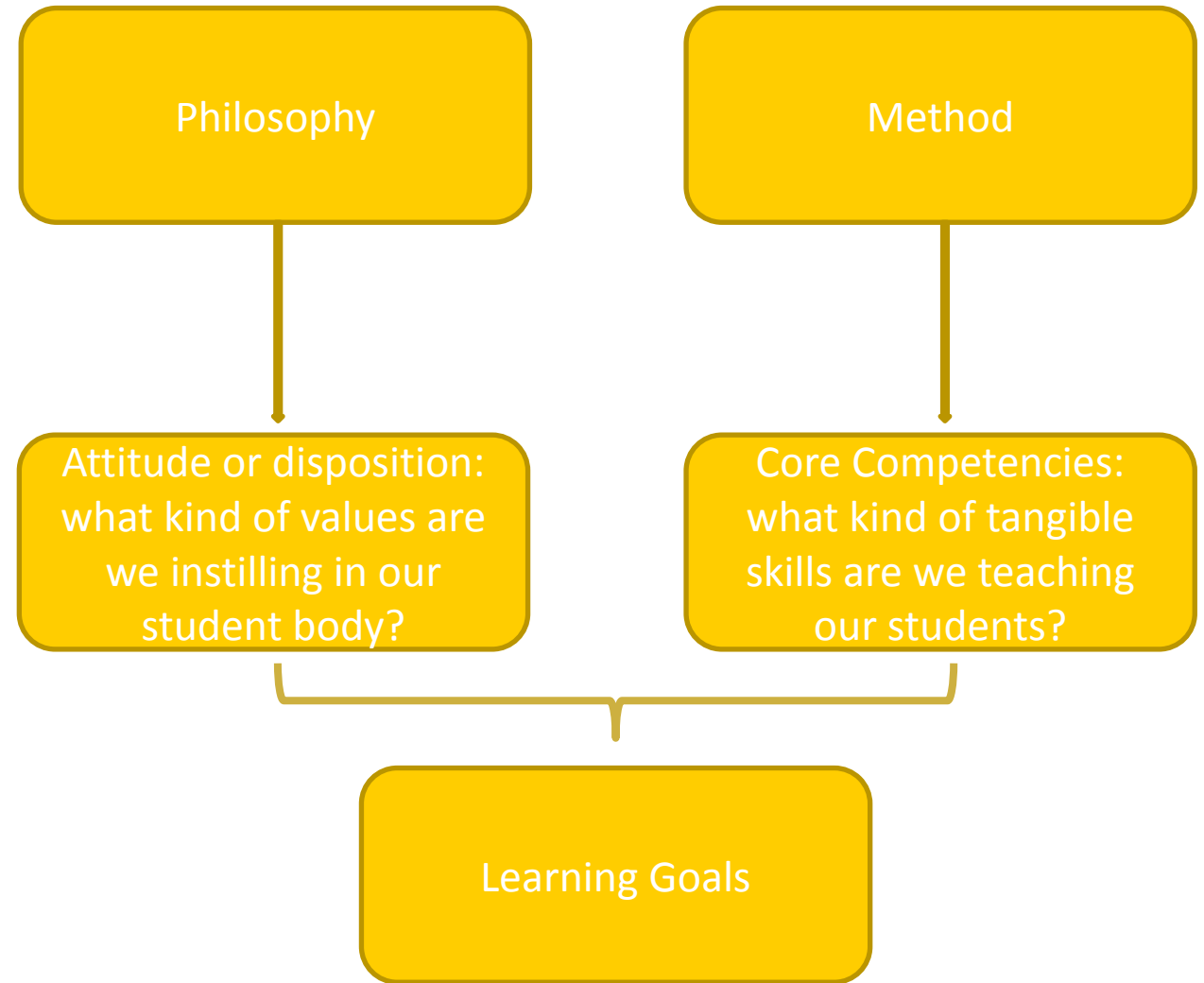
- We treat OS simply as a set of skills and act under the pretense that once our students have those skills, they will have an open mind set
- We treat OS as something that can be achieved, instead of something that requires continual realignment (we gamify it)
- We treat OS as a cure instead of a mode of engagement with the creation of complex social structures and their products

## Benefits

- If we treat OS simply as a set of skills, it will be easier to insert OS skills into pre-existing courses, either by carrot or stick and therefor more students will have at least the language and tools to make, for instance, FAIR data
- If we treat OS as something that can be achieved, we can get more money, set development goals, etc. (pragmatic)
- If we understand that science is something *\*we\** create, we can free ourselves from subservience to ourselves



# What kind of people do we want to help shape?





**Utrecht  
University**

Sharing science,  
*shaping tomorrow*

Partners

---





# Impulse statements



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