Epistemic integrity of the research process

Jan De Winter 5th World Conference on Research Integrity



	Ethical	Epistemological
Agents FOUR	Moral integrity of scientists and their Manual Scien	Epistemic integrity of scientists and their institutions EGRITY
Behavior	Moral integrity of the research process	Epistemic integrity of the research process

 Epistemic standards =_{df} norms that are justified on the basis of the goal to obtain reliable knowledge

Non-epistemic standards = df norms that are not pistemic around a group taking drug d' and a group taking drug d' norms that are not pistemic standards = df norms that are not pistemic integration of the goal to obtain reliable knowledge, but only on The degree hot lepistemic integration of the group is statistically significant (p<.05)."
= df the degree to which the research process lives up to the epistemic standards that the audience can legitimately assume to be met in the research process.

- "One should get informed consent from research subjects."
- "One should not kill animals in research."

- ...

The assumption that researed Erections is legitimate for audience *a* if and only if:

The degree to which the research process lives up to the contract of the degree to which the research process lives up to the contract of the degree to which the detervant diand legitimately variation to be milet instead of the process. (clearly) report to a that p does not meet s.

Note: different assumptions can be legitimate for different audiences.



What happened?

• Santer removed certain passages as a response to reviewers' Criticism on the IPCC's Second Assessment Report: Benjamin Santer removed hints of climate skepticism from the final report.

This did not involve a violation of IPCC standards.

• The remaining uncertainties concerning human-induced climate change were included in the final report.

The common epistemic standard that remaining uncertainties should not be covered up, was not violated. No epistemic standards which the audience could legitimately assume to be met in the IPCC process, were violated.

 \rightarrow The epistemic integrity of the IPCC process was not compromised.

Passage in the IPCC's Fourth Assessment Report:

"Glaciers in the Himalaya are receding faster than in any other part of the world (see Table 40!??) Gndidinate pites ally raise so that following is all to all the part 2035 and perhaps sooner is very high if the Earth keeps warming at the current rate. Its total area will likely shrink from the present 500,000 to 100,000 km² by the year 2035 to area will likely shrink from the present 500,000 to 100,000 km² by the year assessed.

• The comments of the reviewers involved in the IPCC process were not taken into account by the IPCC authors.

The standard that the reviewers' comments should be taken into account is a Two epistemic standards which the audience could legitimately assume to be met in the IPCC process, were violated.

 \rightarrow The epistemic integrity of the IPCC process was compromised.

Important remarks:

- This does not imply that the IPCC process had zero epistemic integrity.
- Epistemic integrity was restored after a while.

Two epistemic standards which the audience could legitimately assume to be met in the IPCC process, were violated.

 \rightarrow The epistemic integrity of the IPCC process was compromised.

For more information:

jan.dewinter27@gmail.com

INTERESTS AND EPISTEMIC INTEGRITY IN SCIENCE



A New Framework to Assess Interest Influences in Scientific Research Processes

JAN DE WINTER