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From scientific knowledge to politically useful information: a philosophical shift

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Climate services are a flourishing area of climate science. The aim is to overcome the usability gap between the projections climate models yield and what people really need to know for climate change adaptation. But can we simply transform available model-derived knowledge to politically useful information? In this talk, I will first argue that standard norms, traditionally discussed in philosophy, such as model realism, value neutrality, or expert consensus, are not necessarily a guarantee for the usability of knowledge. I will further argue that a novel philosophical framework is needed for usable information in climate science (and any science in the service of society). I will finally suggest that methodological shifts are required to overcome the usability gap in climate science and to provide climate services.

Julie Jebeile is a philosopher of science with an initial background in physics and engineering. She is a CNRS researcher at the Centre National de Recherches Météorologiques (CNRM), in Toulouse. In her PhD thesis, she worked on understanding with scientific models. Since then, she dedicates her research on climate change. Her interests cover models, expert judgement, and values in climate science.

Zoom-Video-Vortrag

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