



CNRM, UMR 3589

SEMINAIRE CNRM

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Recent research on the sensitivity of Earth's climate to carbon dioxide

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en visioconférence

Code bj = <https://bluejeans.com/715108137/4349>

Résumé :

I will overview what we know about how sensitive the climate is to CO₂, and more importantly, how we know it. I will show that a sensitivity sufficient to be of great concern for the future rests on only a few crucial propositions, each of which can be rigorously tested. Of these the only one of any significant uncertainty is the “climate sensitivity” and I will discuss a new international assessment that is now the state of the art as to what we know about this. Based on this new assessment, the chances of us being lucky enough to avoid serious climate change without massive reductions in fossil fuel use has become even more remote than scientists thought previously.