



Arctic clouds and feedbacks in climate models

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Climate change is particularly pronounced in the Arctic. In a new, large national project, this "Arctic amplification" is studied with an emphasis on clouds and atmosphere-surface interactions. The presentation will summarise first results that assess climate feedbacks for the Arctic, as simulated by current climate models. A focus is on clouds as simulated in the MPI ESM. Biases of cloudiness in comparison to satellite cloud radar and lidar are analysed in a process-oriented way.