

CLIMATE CHANGE LOCAL SCENARIOS FOR BRAȘOV AREA ESTABLISHED BY STATISTICAL DOWNSCALING

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Abstract: *The paper presents an example of a statistical downscaling application for establishing local climate change information for Brașov area, using SDSM software. This kind of detailed daily data are required for analysing the possible impacts on forest ecosystems. Daily maximum and minimum temperatures respectively rainfall amounts, in the 2020-2050 interval, were generated for the SRES-A2 and B2 scenarios, using the HadCM3 simulation results for the grid containing the study area and a transfer function fitted to match the local weather data. The analysis of the simulated data sets outlines the importance of such information for impact studies.*

Key words: *climate change, SRES-A2 and B2, local scenarios, transfer functions.*

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