



SANDY SISTI

Can American bison reduce body size in half by 2100?

Rapidly warming temperatures from fossil fuel pollution could drive American bison to extinction.

"If global temperature warms to +4°C as predicted for the 21st century, *Bison* body mass will likely decline from 665 kg to 357 kg . . .

The greatest decline in body size of *Bison* occurred between 12,500 and 9,250 years ago, when mass declined by 26% (906 kg to 670 kg) . . . in 325 to 1,080 generations.

It is unclear whether *Bison* can adapt body size to a 4°C warming within 10 generations by year 2100."

Jeff M. Martin et al., *Bison body size and climate change*, *Ecology and Evolution* Vol. 8: 4564–4574 (Feb. 25, 2018).

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