Scientific and Economic Background on DICE models

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DICE 2016

The DICE 2016R3 model is available in GAMS code. This is the latest published DICE model version and was used for the Nobel lecture and manuscript (see *American Economic Review*, April 2019). This version can be run as baseline and optimized simply by setting that control variable at the top of the program. Other scenarios (such as temperature limits) require setting limits in the program itself.

An Excel version from a slightly earlier version (DICE-2016R) is available as well. Note that this is derived from the GAMS version and is not the authoritative version. It does not contain the optimization at present.

This model is the background for several papers on climate change. See Nordhaus publications for an up-to-date list.

USER'S MANUAL

William Nordhaus and Paul Sztorc have written an extensive User's Manual that explains the DICE model and is applicable to DICE-2013. It has not been updated but have most of the same features as DICE-2016 and the forthcoming DICE-2022.

AVAILABILITY

The programs and documents mentioned above are contained on a Dropbox folder. They are available on request. They will be provided on a public website shortly.