This README\_DATA\_Bondaruk\_et\_al\_2022.txt file was generated on 2022-08 by Viviana Bondaruk

GENERAL INFORMATION

1. Title of Dataset: Data from: **Standardized indices to estimate sensitivity to drought across ecosystems**

2. Author Information

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DATA & FILE OVERVIEW

1. Description of dataset

We proposed a novel index to estimate sensitivity in drought experiments, which consider the change in the response variable in relation to the reduction in precipitation, standardized by the mean precipitation use efficiency of the site, making it suitable to compare among contrasting ecosystems. We compared the information gained from the new index with two indices commonly used in experimentally induced droughts, through simulated scenarios. Besides, we applied the indices to data from previous field drought experiments to evaluate relative and absolute sensitivity to drought in worldwide grassland ecosystems along a wide precipitation gradient

2. File List:

File 1 Name: fig\_1\_Bondaruk\_et\_al22.doc

File 1 Description: This file contains the results for the simulations of the relative decreases for the eleven precipitation scenarios and the two ANPP relative decreases for the different indices.

File 2 Name: fig\_2\_Bondaruk\_et\_al22.doc

File 2 Description: This file contains the results for the simulations of the absolute decreases for the eleven precipitation scenarios and the two ANPP absolute decreases for the different indices.

File 3 Name: fig\_3\_Bondaruk\_et\_al22.doc

File 3 Description: This file contains the results for the regressions for the different indices along the mean annual precipitation gradient. It was estimated for 45 values because several sites have different experimental years considered and the general criteria was sites that have drought treatment imposed with more than 50% of their precipitation reduced experimentally.