

ReadMe for Flexible Response archive  
6/21/2019

This document, ReadMe.docx, is intended as a brief guide to the contents of the data archive ZIP file which supports the manuscript, "Scope and Limitations of Drought Management Within Complex Human-Natural Systems", by William Jaeger, Adell Amos, David R. Conklin, Christian Langpap, Kathleen Moore, and Andrew J. Plantinga.

The intent of this archive is to preserve the source code and data files necessary to build and run the simulation model described in the manuscript, and to preserve the output data files on which the numbers and figures in the manuscript are based.

WW2100 model versions 4.1, 4.2, and 4.3 were used in the course of the Flexible Response study. The 4.x model versions correspond to specific versions of the WW2100svn Subversion repository on the [freshwater.ceoas@oregonstate.edu](mailto:freshwater.ceoas@oregonstate.edu) server at Oregon State University.

WW2100 4.1 corresponds to version 422 of the WW2100svn repository.

WW2100 4.2 corresponds to version 456.

WW2100 4.3 corresponds to version 467.

There are five folders in this archive:

src - model source code

StudyAreas - input data

GDAL - Geospatial Data Abstraction utilities used by the model

WeatherOnGrids - climate data

Manuscript data - output data underlying the numbers and figures in the manuscript

The Manuscript data folder provides the output files for the simulations used in the manuscript, as summarized in the table below.

#### **Summary of model simulations used in the manuscript**

<u>Scenario</u>	<u>Model version</u>	<u>Reference (FlexRespRef) version</u>
BiOp adjustment (FlexBiOpLow)	4.1	4.1
Urban policies	4.1	4.1
Reservoir policies	4.1	4.1
Agricultural policies	4.2	4.2
Combination policies	4.3	4.3
Reference (90 year run)	4.3	
High Climate Change (90 year run)	4.3	