Flood Severity Index

Flood severity index: medium (2-yr flood, index=1),high (5-yr flood, index=2), and   
  
severe (20-yr flood, index=3), inferred fromthe GloFAS dataset. Thresholds were determined   
  
by fitting a Gumbel extreme value distribution to the yearly maxima in each grid cell   
  
over 1981-2017.

* Model ID: flood\_index\_model
* Model Maintainer: Deborah Khider, khider@usc.edu
* Model Category: Climate, Hydrological

# Outputs

**days\_medium:**

* Description: The number of days for the given month where the flood severity index was medium (2-year flood)
* Units: days

**days\_high:**

* Description: The number of days for the given month where the flood severity index was high (5-year flood)
* Units: days

**days\_severe:**

* Description: The number of days for the given month where the flood severity index was severe (20-year flood)
* Units: days

# Parameters

**year:**

* Description: Select the year of interest. 2008-2017 is available.
* Type: NumberParameter
* Min/Max: 2008, 2017
* Default: 2017