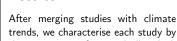
Query documents 1. Identification of relevant Random sample Labelled documents impacts studies Human screening Training data Active Classifier performance evaluated learning loop Filter: relevance ≥[0.2, by nested cross validation 0.3, 0.4] Binary relevance Validation classifier Predictions Machine-Human-labelled labelled documents documents Filter: relevance ≥ 0.5 2. Classification Classifier performance evaluated and location of by nested cross validation climate impacts Multilabel classifiers for Validation impacts and drivers Predictions Geoparsing Final database Filter: has geo entity and Attribution of temperature and driver is temperature (T) or precipitation (P) precipitation trends by grid cell Downscaling to Merge studies with

grid cells

15% 50% 100% 0%



Results:

trends, we characterise each study by the proportion of its gridcells which show attributable trends

And each grid cell by the presence of attributable trends in temperature (T) and precipitation (P) and the number of studies on impacts

climate trends

