# A Rapid Computer-assisted Systematic Map of Regional Climate Impacts - Final Sprint
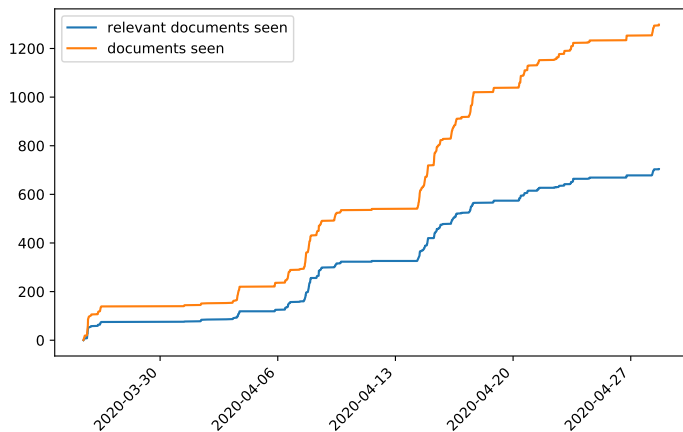
MCC

CLIMATE ANALYTICS

April 29, 2020
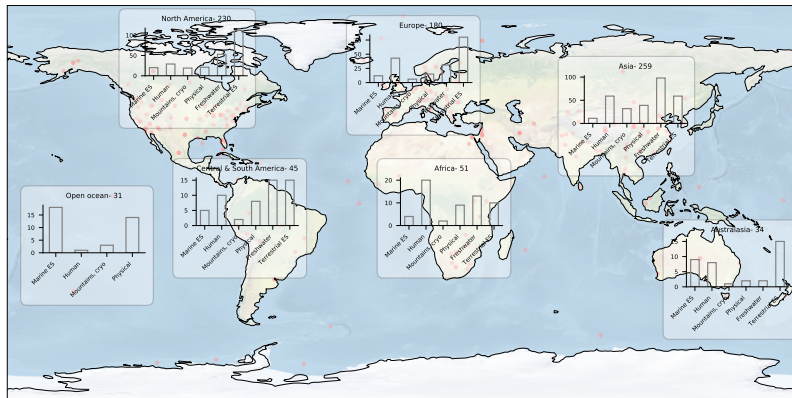
# We've coded nearly 1300 documents
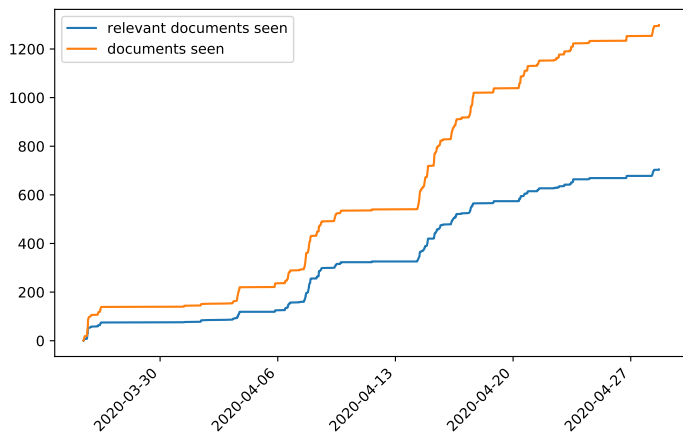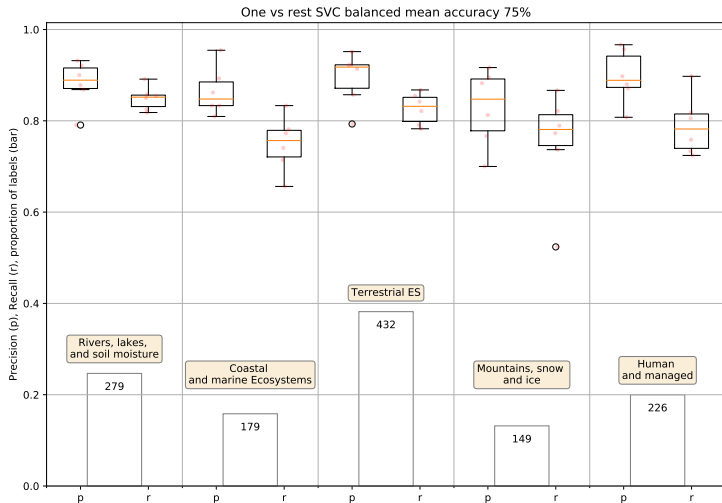
# We've coded nearly 1300 documents



We're nearly at our target of 1500

# We have already assembled a wealth of useful information

# We can clearly identify what impact category a document is related to



Figure: Precision (how many documents predicted to be in a category actually had that label) and Recall (how many documents with a label were predicted to be in that category) for each broad impact category

# This is better than before because we have more labels, and we have investigated false negatives and false positives to find inconsistent labels
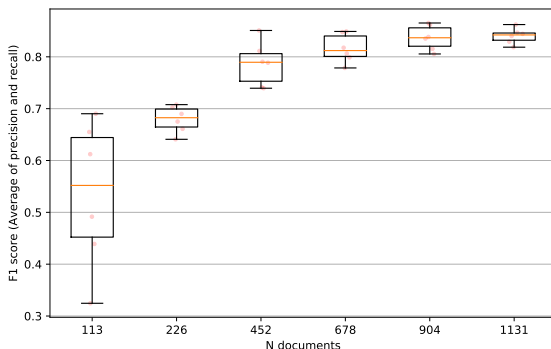


Figure: Precision (how many documents predicted to be in a category were included by humans) and Recall (how many documents marked with a category by humans were predicted to have that category) for each broad impact category. The proportion of documents in each category is indicated with a bar, labelled with the absolute number of documents.

We still have unbalanced subcategories, but we partially addressed this with the last samples
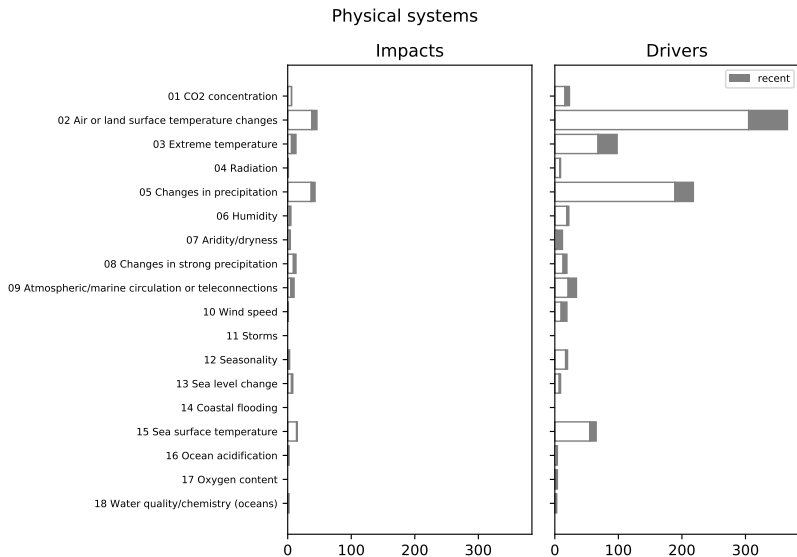
- ▶ Physical systems ▸ subcategories
- ▶ Rivers, lakes and soil moisture ▸ subcategories
- ▶ Mountains, snow and ice ▸ subcategories
- ▶ Coastal and marine ecosystems ▸ subcategories
- ▶ Terrestrial and freshwater ecosystems ▸ subcategories
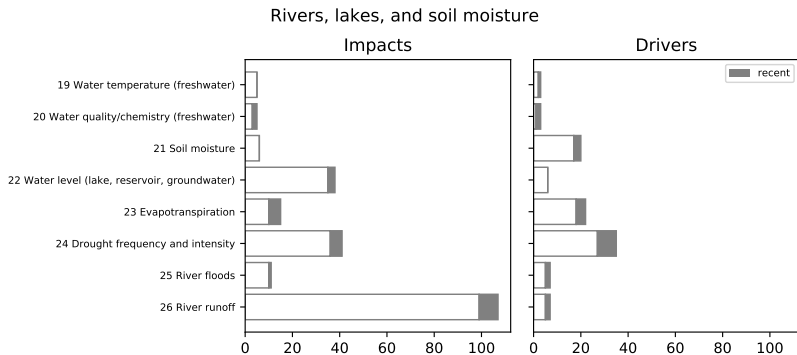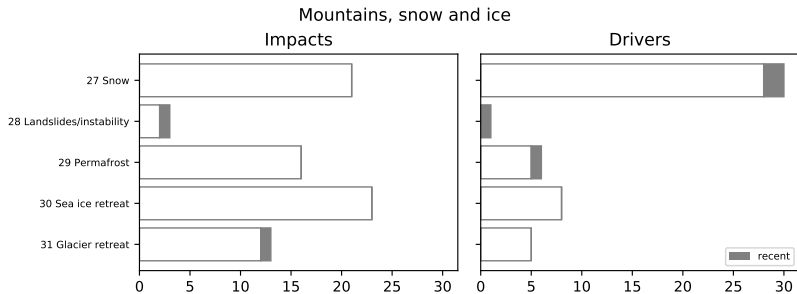- ▶ Human and managed systems ▸ subcategories

# Plan
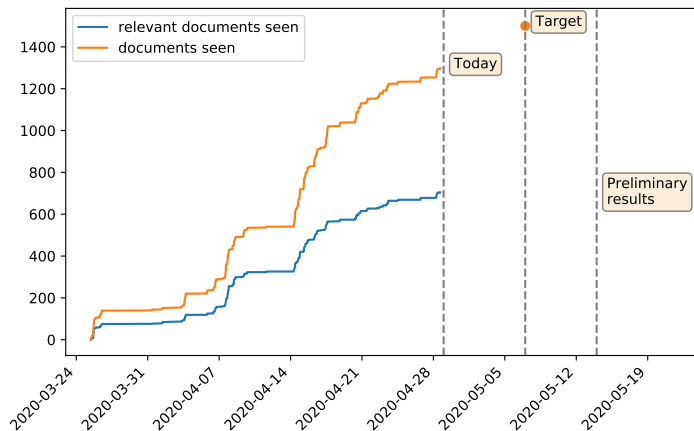
# Physical systems



Physical systems

# Rivers, lakes and soil moisture
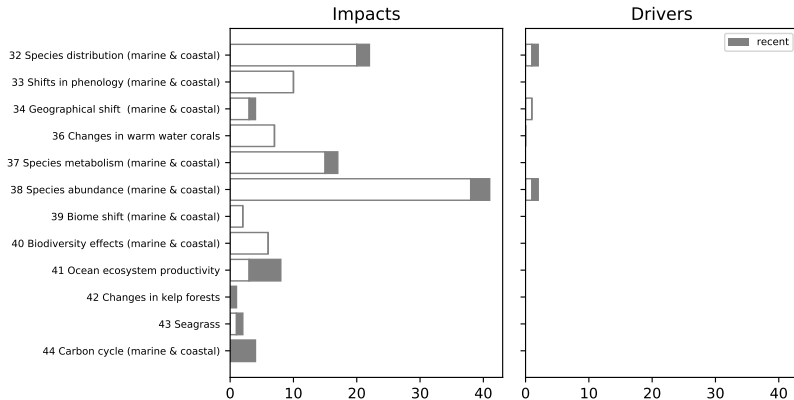


Rivers, lakes, and soil moisture

# Mountains, snow and ice
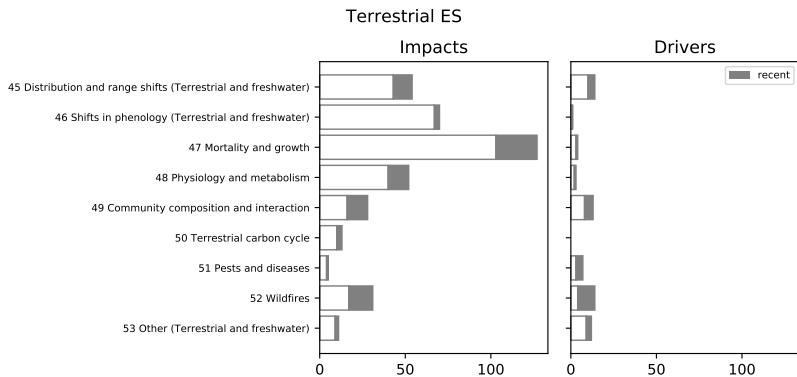


Mountains, snow and ice

# Coastal and marine ecosystems



Coastal and marine Ecosystems

# Terrestrial and freshwater ecosystems



Terrestrial ES

# Human and managed systems



Human and managed