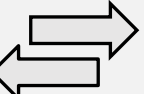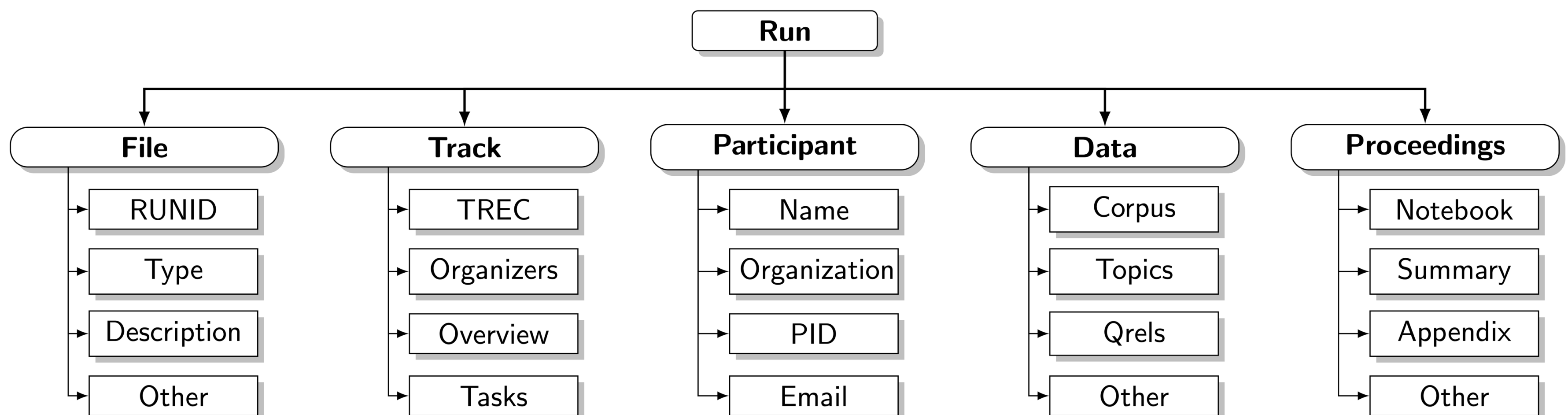# Browsing and Searching Metadata of TREC
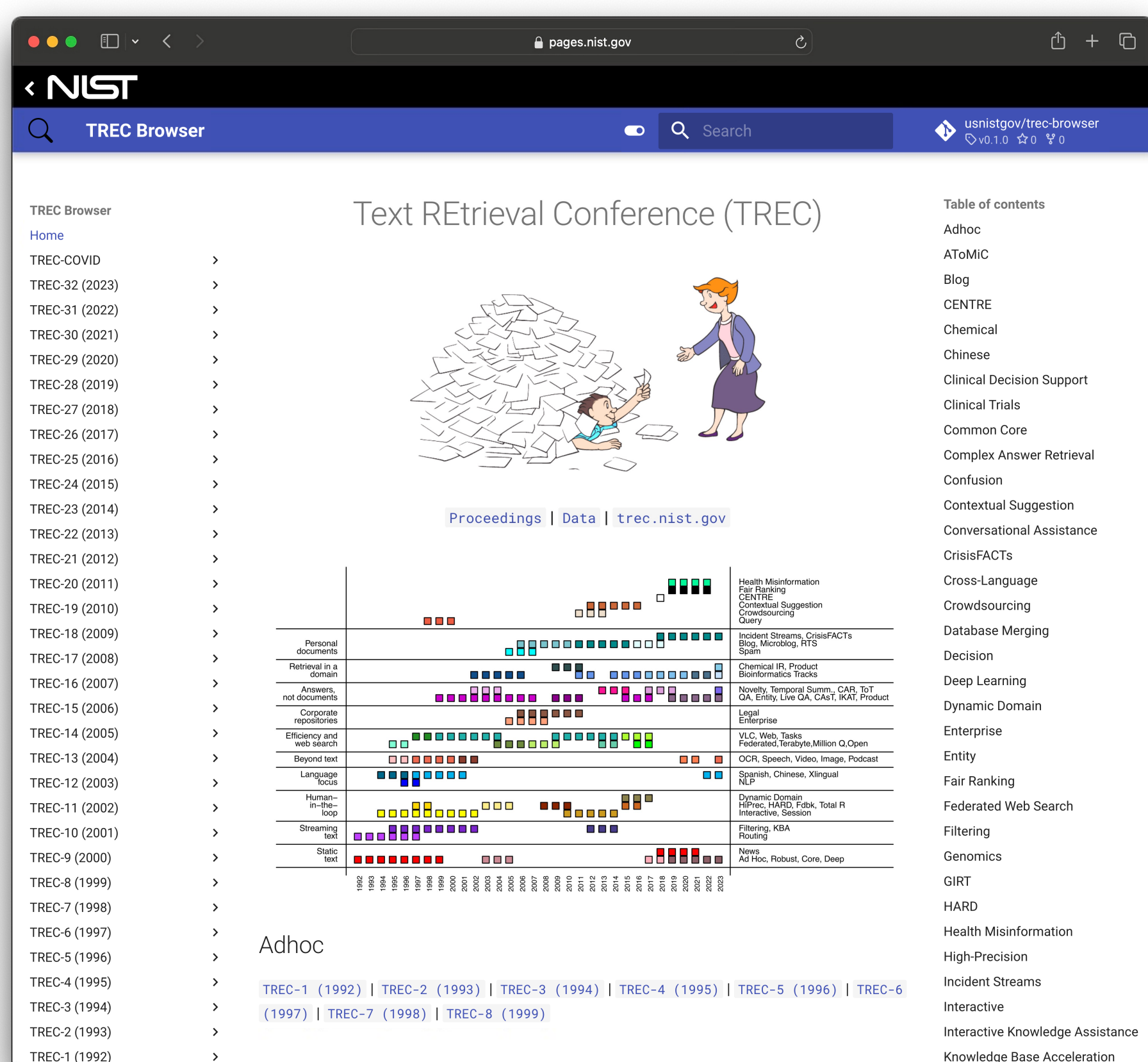
Timo Breuer, Ellen M. Voorhees, Ian Soboroff

## Contributions

- **Database** containing over 30 years of TREC metadata for a sustainable reuse of submissions and better data provenance
- **Metadata browser** making TREC resources easier to find, browsable, and more accessible on the web
- **Web interface / REST API** for principled and systematic search access to TREC metadata and resources

## Metadata scheme



Run

**File**: RUNID, Type, Description, Other

**Track**: TREC, Organizers, Overview, Tasks

**Participant**: Name, Organization, PID, Email

**Data**: Corpus, Topics, Qrels, Other

**Proceedings**: Notebook, Summary, Appendix, Other

## Browsing metadata on the web



## Searching metadata with the API

```
GET    trec/api/v1/trec26/core/WaterlooCormack/WCrobust04
```

```json
{
    'appendix_url':'https://trec.nist.gov/pubs/trec26/appendices/core/WCrobust04.pdf',
    'data': {
                'corpus': 'https://catalog.ldc.upenn.edu/LDC2008T19',
                'qrels': 'https://trec.nist.gov/data/core/qrels.txt',
                'topics': 'https://trec.nist.gov/data/core/core_nist.txt'
            },
    'date': '6/8/2017',
    'description': 'Logistic Regression (Sofia-ML, Cornell TF-IDF features,
                    from Total Recall BMI) trained on Robust 04 qrels.',
    'input_url': 'https://trec.nist.gov/results/trec26/core/input.WCrobust04.gz',
    'md5': '33768045401d9c6aa1205c3a9042cc63',
    'participant': {
                'name': 'Gordon V. Cormack',
                'organization': 'University of Waterloo',
                'pid': 'WaterlooCormack'
            },
    'publication': {
                'author': 'Maura R. Grossman, Gordon V. Cormack',
                'bibtex': '...',
                'biburl': 'https://dblp.org/rec/conf/trec/GrossmanC17a.bib',
                'key': 'DBLP:conf/trec/GrossmanC17a',
                'title': 'MRG_UWaterloo and WaterlooCormack Participation
                    in the TREC 2017 Common Core Track',
                'url': 'https://trec.nist.gov/pubs/trec26/-
                    papers/WaterlooCormack-CC.pdf'
            },
    'runid': 'WCrobust04',
    'summary_url': 'https://trec.nist.gov/results/trec26/-
                    core/summary.trec_eval.WCrobust04',
    'task': 'main',
    'track': 'core',
    'trec': 'trec26',
    'type': 'automatic',
    'year': 2017
}
```

Visit the browsing interface:

**TREC Browser**

pages.nist.gov/trec-browser/

Collaborate and contribute:

**GitHub**

github.com/usnistgov/trec-browser