

# **Documentation: Climate Knowledge Graph**

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# About

# 1 Roadmap

In summary, this book has no content whatsoever.

## 2 Workflow

- Report sources
- IPCC web scrape report texts (harvest)
- Generate initial graph data model
- Wikibase report import
- Wikibase to Mediawiki report navigation mapping for report browsing
- Harvest data:
  - Authors
  - Glossary
  - Acronyms list
  - References
  - Bibliographic
- Import data to Wikibase
- Annotate report using data
- Community annotation: #semanticClimate, Stockholm Climate Institute (SEI), Potsdam Climate Institute (PIK), UNESCO, UNFCCC, etc.
- Wikibase to Wikidata data mapping
- Wikibase data visualisations
- Publishing (CPS\_Impress - python module): Computational Publishing Service (CPS) publishing engine, Wikibase to HTML and Jupyter Notebooks/Quarto - using Jinja templating as MVC Design Pattern. Paged Media CSS style templates. Web CSS styles.
  - REST API
  - Command line /Jupyter Notebooks
  - Python CMS (Jackdaw)
  - Graph RAG LLM
- Knowledge Graph and semantic outputs
  - Wikibase
    - \* REST API
    - \* RDF export
    - \* Dokeli RDFa
  - Wikidata export

## 3 Styles

<https://github.com/TIBHannover/climate-knowledge-graph/issues/26>

## 4 IPCC Reports

<https://github.com/TIBHannover/climate-knowledge-graph/issues/18>