DocMaps

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DocMaps Team

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DocMaps Implementation Group

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Overview
DocMaps

A community-endorsed framework for representing research object-level review/editorial processes in an extensible, machine-readable, and discoverable format.
Roadmap

View at docmaps.knowledgefutures.org/roadmap

Phase I (completed)

- **Pilot**: Implement DocMaps with eLife, EMBO, and CSHL
- **Improve**: Update process and documentation
- **Build**: Produce SDK for developers interested in producing and consuming DocMaps
- **Share**: Solicit feedback from the wider community
Best organic farming expansion scenarios for pest control: a modeling approach

Thomas Delatte, Mohamed Mahmoud Menah, Pierre Franck, Pierre Valsecchi, Claire Larigoux

Abstract
Organic Farming (OF) has been expanding in response to growing consumer demand and as a response to environmental concerns. The impact of OF expansion on epidemics is expected to increase. In order to prepare for this change in farming practices on insect pests, it is necessary to identify the direct and indirect effects of this expansion. The impact on pests directly and via predators was studied through the progressive conversion of conventional fields into OF, conventional-OF, OF-convention, and 0-kanes. The conversion of conventional-OF to conventional resulted in a population drop in most species. The three OF expansion scenarios were compared and fragmented of services was robust to pest control methods in OF.
**Roadmap**

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**DocMaps Overview**

Work-in-progress documentation for DocMaps, a framework for describing the processes used to create a document in a machine-readable way.

**Summary**

DocMaps is a framework for describing the processes used to create a document in a machine-readable way. The framework is designed to be interpreted in multiple formats depending on the use case of the consumer of the DocMaps. It can encode any amount of contextual data about any kind of document — from a minimum assertion that a process took place, to a detailed history of every edit to a document.

**Roadmap**

- **DONE**
  - Pilot with eLife, EMBO, and CSHL
  - Improve Process and Documentation
  - Platform Community Assessment

- **IN PROGRESS**
  - Build SDK
  - Expanding DocMaps Implementation Group
  - Endorsements & Integration with Community Standards

- **ON DECK**
  - Discovery Services Dashboard
  - Services and Support

- **FUTURE**

**Technical Documentation**

DocMaps are a powerful, community-driven framework that will meet key requirements for representations of editorial processes in a healthy publishing ecosystem.

This page is your gateway to technical documentation for the packages and tools maintained by the DocMaps Project core maintainers. Explore the navigation links above to get started.

**Pilot Retrospective**

DocMaps Implementation Group: Pilot Retrospective

This overview of the DocMaps pilot demonstrates the ability of DocMaps to grow the ecosystem of review and annotation services, facilitating the exchange, aggregation, and publishing of reviewed preprints.

By Emily Klein

DocMaps Implementation Group

DocMaps is a framework for representing the editorial processes used to create journal articles, preprints, peer reviews, and other documents in a machine-readable, interoperable, reusable format. Building on prior work...
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You can support development by starring this repository on github!
docmaps-sdk

This package contains a library for providing core, highly-general docmaps functionality for ease-of-use in Typescript.

Deserialze, parse, and validate strings or JSON(-LD) into Typescript objects

Validate and serialize JS/TS objects into strings/JSON(-LD)

Functional computation on objects

Future:
parse and serialize RDF
adopt popular functionality shared by consumers/users

npm install docmaps-sdk
@docmaps/etl

This package contains a CLI tool for generating docmaps using Crossref indexing.

```
npm install -g @docmaps/etl
npx docmaps-etl item \
  --source crossref-api \
  [DOI]
```

Node-based CLI with plugin interface and a general algorithm for generating docmaps from various sources.

Currently, only crossref-api source is supported (PRs welcome!)
SPA

This Single-page App (SPA) allows a user to enter a DOI and get a best-effort view of a Docmap as inferred from Crossref's API. (Link to app)
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Show & Tell
DocMaps Implementations

Richard Sever, Cold Spring Harbor Laboratory Press
Paul Shannon, eLife
Thomas Lemberger, EMBO
Michael Parkin, ePMC
Next Steps
Roadmap

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**Phase II**

- **Govern**: Work on interoperability standards with implementers
- **Integrate**: Secure endorsements and mapping with other community standards
- **Onboard**: Develop partnerships to coordinate and sustain DocMaps
Docmaps RFC Process

This repository is for discussing and proposing changes to the Docmaps project.

What is an RFC?

RFC stands for "Request For Comments." It is a proposal document that outlines a new feature, change, or improvement to the Docmaps project. RFCs are used to start a discussion about a proposed change and to get feedback from the community before any code is written.

How to submit an RFC

1. Fork this repository to your account.
2. Create a new branch for your proposal.
3. Create a new file in the _requests/ directory with the name of your proposal.
4. Copy and paste the RFC template into the new file.
5. Fill out the template with your proposal details.
6. Submit a pull request to the master branch of this repository.
7. The pull request template includes a place to copy a link to the (open) Github-rendered markdown where your proposal can be found. Make sure to include this. It's easier than reading all of this!

RFC Template

One open RFC! Please comment!

Docmaps Server API Protocol

Abstract

This proposal is for a standard API contract for servers which offer Docmaps to interoperate with each other. This includes defining the endpoints that should be implemented for identifying the server, serving docmaps, searching for docmaps, including rules such as what endpoint results must be stable/cacheable and which may be dynamic.

This proposes a server specification that conforms to W3C Linked Data Platform recommendations, because Docmaps data are natively considered to be Linked Data. Although an implementer of this protocol may not offer full linked data support, such as allowing content-type: text/turtle, and may not represent the data as a graph or triplestore in their persistent state solution, they are expected to implement this API at a minimum according to the usages of JSON-LD as described herein, in order to enable consumers of this data to seamlessly treat it as LD.
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Get In Touch

Email
docmaps-announce@knowledgefutures.org
for monthly community updates

Submit & Discuss RFCs for DocMaps at
github.com/Docmaps-Project/rfcs

Reach out to discuss adopting DocMaps at
docmaps@knowledgefutures.org
DocMaps

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