

# Vitrine API

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# 1. About

This documentation is part of the vitrine api.

<https://api.vitrine.gesis.org>

A [downloadable pdf](#) can be found [here](#).

# 2. Available Endpoints

The api consists of two endpoints to be used to build simple search frontends upon.

*Search Endpoint: `_search`*

```
GET/POST https://api.vitrine.gesis.org/search/{indexFilter}/_search
```

*Document Endpoint: `_doc`*

```
GET https://api.vitrine.gesis.org/search/{indexFilter}/_doc/{documentId}
```

Valid values for `{indexFilter}` are:

- [exzclu-soda](#)
- [gesis-soda](#)
- [giga-soda](#)
- [iamo-soda](#)
- [null-soda](#)
- [swp-soda](#)
- [wzb-soda](#)
- [dprex-soda](#)
- [diw-soda](#)
- [dprex-dbkapps-oai](#)
- [dprex-pangaea-oai](#)
- [test-dbkapps-git](#)

The Search Endpoint allows combinations of `indexFilter` like, e.g. [dprex-soda](#), [dprex-dbkapps-oai](#). Valid values for `{documentId}` are all identifiers that are part of a filtered request. To find more parameters for `_search` look into the [elasticsearch 8 documentation](#). A general description of the [response format](#) can be found [here](#)

### 3. Index Format

This section describes the response format under `/hits/hits/{count}/_source` . It represents the content of one document in the index.

A formal definition of the index format can be found under

<a href="#">schema/v0.1.0/</a>	
--------------------------------	---

Table 1. Table Index Fields

Fieldname	Note
<a href="#">abstract</a>	A multilang label holding an abstract
<a href="#">availability</a>	Typically holds an <code>availabilityType</code> and optional an <code>embargoData</code> . See <a href="#">Dara v4</a>
<a href="#">collectionModes</a>	An array of labeled types. See <a href="#">Dara v4</a>
<a href="#">contributions</a>	Contributions to the publication. A contribution consists of type, agent and role. An agent can be of type Institution or Person. For details follow the schema definition.
<a href="#">describedBy</a>	DescribedBy refers to the actual metadata of the resource. The <code>describedBy</code> field contains information about the creation of the metadata.
<code>documentId</code>	It is string. It's content is typically defined during ingest.
<a href="#">dprexConcepts</a>	A list of <a href="#">dprexConcepts</a> . Each <code>dprexConcepts</code> consists of a type,uri,notation,source,label.
<a href="#">dprexGroups</a>	A list of <a href="#">dprexGroups</a> . Each <code>dprexGroups</code> consists of a type,uri,notation,source,label.
<a href="#">dprexTypes</a>	A list of <a href="#">dprexTypes</a> . Each <code>dprexType</code> consists of a type,uri,notation,source,label.
<a href="#">geographicCoverages</a>	A list of country codes. See <a href="#">Dara v4</a>
<a href="#">handles</a>	A handle is a persitent Identifier, e.g. a DOI. It has a type, a notation, an url, and a source.
<a href="#">issuers</a>	A list of issuers. Each issuer is described by an URI and a multilang label.
<a href="#">natureOfContents</a>	Basically a type.
<code>otherTitleInformation</code>	A string for additional Info.
<a href="#">publications</a>	This field holds information about publication events.

Fieldname	Note
<a href="#">publisher</a>	This field holds information about the publisher as a simple string.
<a href="#">resourceLanguage</a>	ISO 3166-1 alpha-3 string. See <a href="#">Dara v4</a>
<a href="#">rights</a>	Licensing. <a href="#">Dara v4</a>
<a href="#">sampling</a>	Information about the sampling method in form of a multilang string.
<a href="#">subjects</a>	A list of subjects. Each subject consists of a type,uri,notation,source,label.
<a href="#">temporalCoverages</a>	A labeled list of date ranges. See <a href="#">Dara v4</a>
<a href="#">timeDimensions</a>	Timespecific information. See <a href="#">Dara v4</a>
<a href="#">title</a>	The title of the resource as a multilang string.
<a href="#">universe</a>	See <a href="#">Dara v4</a>
<a href="#">uri</a>	A uri for the resource. We preferre the doi here. See handles.
<a href="#">searchappPublisher</a>	The field is filled at index time to identify the institution responsible for the ingested data.
<a href="#">calculatedTemporalCoverage</a>	The field is calculated at index time. It contains a list of years that are covered by the resource.

## 4. Usage

The Vitrine API can be used directly by front end applications using the [search-ui](#) framework.

Live Examples

- [ui/dprex/](#)
- [ui/exzclu/](#)
- [ui/gesis/](#)
- [ui/giga/](#)
- [ui/iamo/](#)
- [ui/null/](#)
- [ui/swp/](#)
- [ui/wzb/](#)
- [ui/diw/](#)
- [ui/soda/](#)

## 5. Datasources

The Vitrine-API provides and combines data from various sources of partner institutions.

To get your own `{indexFilter}` you can:

1. Become a partner of Sowidata. Each partner gets an `{indexFilter}` and a customizable live example under `/ui`
2. Become a partner in other GESIS projects and provide your data over a defined OAI-PMH endpoint **or** provide your dataset in a git repository.

## 6. OAI-PMH indexing

Vitrine-API can be enriched with external datasources provided via OAI-PMH. This section describes how to provide a proper OAI-PMH endpoint.

1. Provide a `OAI-PMH Set` that contains exactly the data you like to transfer into the Vitrine-API.
2. Provide a `OAI-PMH metadataPrefix` that serves metadata in [da|ra Metadata Schema Version 4.0](#).
3. Provide as much data as possible. The table below shows the supported DARA-Fields as of today.

## 7. Git indexing

If you have no running OAI-PMH provider within your institution you can provide your data via a git repository.

1. The repo must be available over HTTPS and readable for everyone
2. The repo must contain a `data` directory (name == `data`)
3. The data directory must contain only xml files that are valid against [da|ra Metadata Schema Version 4.0](#)

## 8. Indexing Dataformat

Table 2. Table Supported Dara Fields

da-ra field	da-ra seq
resourceType	1
titles	4
creators	7
dataURLs	8
doiProposal	9
publicationDate	10
availability	13

da-ra field	da-ra seq
classifications	17
descriptions	20
geographicCoverages	21
universes	22
samplings	23
temporalCoverages	24
timeDimensions	25
collectionModes	28

The da|ra Metadata will be mapped to our internal [Index Format](#) by the [searchapp-indexer#DaraTransformer](#)

*Example OAI-PMH*




[https://dbkapps.gesis.org/dbkoai/?verb=ListRecords&metadataPrefix=oai\\_dara&set=DPREX](https://dbkapps.gesis.org/dbkoai/?verb=ListRecords&metadataPrefix=oai_dara&set=DPREX)

*Example Git*

<https://github.com/jschnasse/dara4-xml-over-git-example/tree/master>

## 8.1. The DPREX-Project

For [DPREX](#) we support a set of special vocabularies.

Controlled Vocabulary	Classification Scheme Id	License
<a href="https://vocabularies.cessda.eu/vocabulary/rexconcepts">https://vocabularies.cessda.eu/vocabulary/rexconcepts</a>	rexconcepts/1.0.0	
<a href="https://vocabularies.cessda.eu/vocabulary/rexgroups">https://vocabularies.cessda.eu/vocabulary/rexgroups</a>	rexgroups/1.0.0	
<a href="https://vocabularies.cessda.eu/vocabulary/rexdatatype">https://vocabularies.cessda.eu/vocabulary/rexdatatype</a>	rexdatatype/1.0.0	

*Example: Dara transport of DPREX specific vocabulary*

```

<classification>
  <classificationExternal>
    <language>de</language>
    <classificationSchema>rexdatatype/1.0.0</classificationSchema>
    <terms>
      <term>Befragungsdaten</term>
      <term>Standardisierte Daten</term>
      <term>Numerische Daten</term>
    </terms>
  </classificationExternal>
</classification>

```

```

<classification>
  <classificationExternal>
    <language>de</language>
    <classificationSchema>rexconcepts/1.0.0</classificationSchema>
    <terms>
      <term>Rechtspopulismus</term>
      <term>Patriotismus</term>
      <term>Rechtsextremismus</term>
      <term>Nationalismus</term>
      <term>Autoritarismus</term>
      <term>Ethnozentrismus</term>
      <term>Soziale Dominanzorientierung</term>
      <term>Xenophobie</term>
      <term>Neonazismus</term>
      <term>Intergruppenkontakt</term>
      <term>Bedrohungswahrnehmungen </term>
      <term>Eigengruppenbevorzugung / Wohlfahrtschauvinismus</term>
      <term>Identität & soziales Zugehörigkeitsgefühl</term>
      <term>Migrantisierte Gruppen</term>
    </terms>
  </classificationExternal>
</classification>
<classification>
  <classificationExternal>
    <language>de</language>
    <classificationSchema>rexgroups/1.0.0</classificationSchema>
    <terms>
      <term>BIPOC</term>
      <term>Herkunft</term>
      <term>(Spät-)Aussiedler*innen/Russlanddeutsche</term>
      <term>Türkei</term>
      <term>Religiöse Zugehörigkeit</term>
      <term>Jüd*innen</term>
      <term>Muslim*innen</term>
      <term>LGBTQIA+ Mitglieder</term>
      <term>Menschen mit Beeinträchtigung(en)/Behinderung(en)</term>
    </terms>
  </classificationExternal>
</classification>

```



# 9. Impressum

- <https://www.gesis.org/institut/impressum>
- <https://www.gesis.org/institut/datenschutz>