OpenParlData.ch
Public Meeting #6

13.08.2025

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Agenda

- Current Server Setup
- API
  - Feedback
- (Minimal) GUI and Website
- TransParliament (Rouven)
- Data Ecosystem Prototype
- Outlook:

  1. September - Apèro Bern: 16.00 (Marzili)

5 Governance and Sustainability Model

1 Data Import (CH/Cantons/Cities)

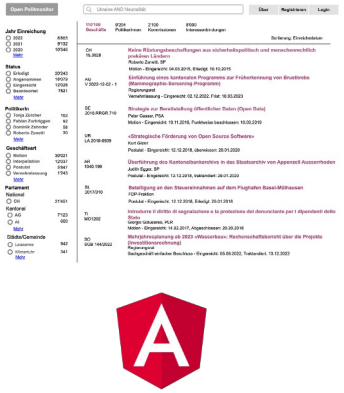


2 Interface (Public API)

REST-API

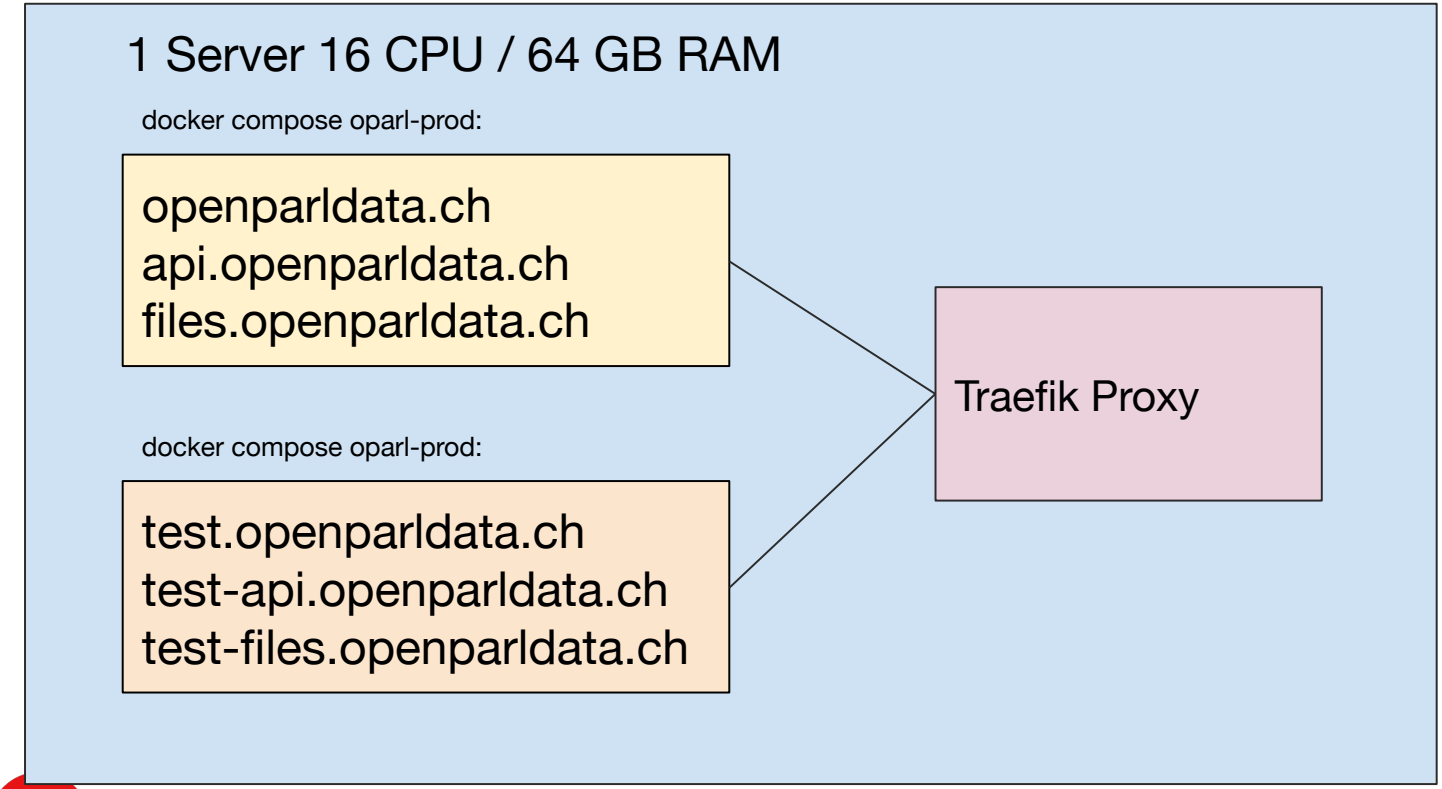
JSON-Output

3 Minimal GUI

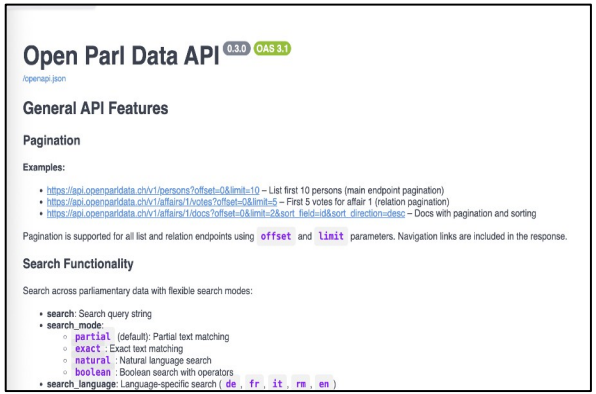


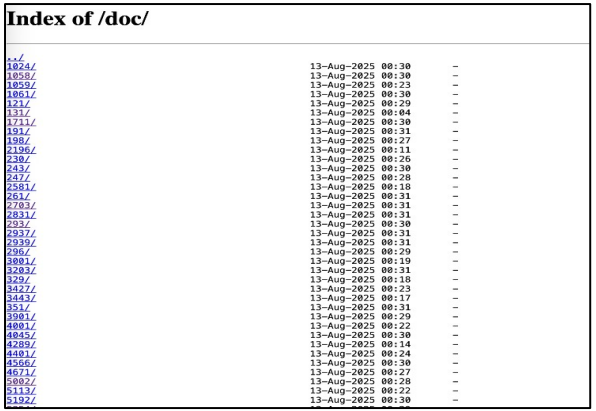
4 Optimization OGD / Harmonization / Standardization

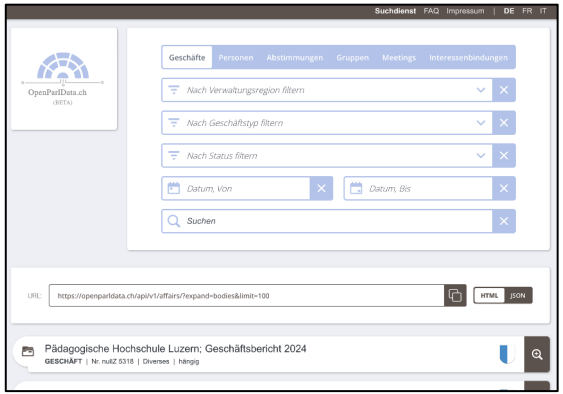
Server Setup



Components: API







api.openparldata.ch

files.openparldata.ch

openparldata.ch

Open Data .ch

API-About

- https://api.openparldata.ch
  Endpoint + Description of the Routes + fields configuration
- https://api.openparldata.ch/documentation
  Documentation (Swagger)
- https://api.openparldata.ch/redoc
  Alternative Documentation
- https://api.openparldata.ch/openapi.json
  OpenAPI 3.0 documentation

https://api.openparldata.ch/

Get entities with paging

- http://api.openparldata.ch/v1/affairs
- http://api.openparldata.ch/v1/persons
- http://api.openparldata.ch/v1/groups
- …


```
  "meta":
{    "offset": 0,
               "limit": 100,
               "total_records": 22182,
               "total_pages": 222,
               "current_page": 1,
               "next_page": "https://api.openparldata.ch//v1/persons/?offset=100&limit=100",
               "prev_page": null,
               "last_page": "https://api.openparldata.ch//v1/persons/?offset=22100&limit=100",
               "first_page": "https://api.openparldata.ch//v1/persons/?offset=0&limit=100"
  },
```


Open Data .ch

Get individual record

- https://api.openparldata.ch/v1/persons/12345


```
{     "id": 12345,
  "body_key": "SO",
  "external_id": "baumann-manfred",
  "fullname": "Manfred Baumann",
  "firstname": "Manfred",
  "lastname": "Baumann",
  "party_external_id": null,
  "party_harmonized_wikidata_id": "Q303745",
  "external_alternative_id": null,
  "image_url_external": null,
  "image_url_oparl": null,
  "email": "manfred.baumann@stellwerk-so.ch",
  "phone": "032 622 87 24",
  "birthday": "1968-01-17",
  "birthday_format": null,
  "deathday": null,
```

Functional Parameter: lang_format

- https://api.openparldata.ch/v1/affairs/2000?**lang_format=nested** **(default)**
- https://api.openparldata.ch/v1/affairs/2000?**lang_format=flat**


```
id: 2000,
body_key: "243",
number: "1549691",
external_id: "1549691",
external_alternative_id: null,
title_de: "Ausbau Kantonsstrasse Widen-Bergdietikon",
title_fr: null,
title_it: null,
title_rm: null,
title_long_de: "Ausbau Kantonsstrasse Widen-Bergdietikon (Interpellatio
title_long_fr: null,
title_long_it: null,
title_long_rm: null,
type_name_de: "Interpellation",
type_name_fr: null,
type_name_it: null,
type_name_rm: null,
type_external_id: null,
type_harmonized_de: null,
type_harmonized_fr: null,
type_harmonized_it: null,
type_harmonized_rm: null,
type_harmonized_en: null,
type_harmonized_oparl_id: null,
type_harmonized_wikidata_id: null,
state_name_de: null,
state_name_fr: null,
state_name_it: null,
state_name_rm: null,
state_external_id: null,
state_name_harmonized_de: null,
state_name_harmonized_fr: null,
state_name_harmonized_it: null,
state_name_harmonized_rm: null,
state_name_harmonized_oparl_id: null,
```



```
{
    id: 2000,
    body_key: "243",
    number: "1549691",
    external_id: "1549691",
    external_alternative_id: null,
    type_external_id: null,
    type_harmonized_oparl_id: null,
    type_harmonized_wikidata_id: null,
    state_external_id: null,
    state_name_harmonized_oparl_id: null,
    begin_date: "2022-05-05T00:00:00",
    end_date: null,
    active: null,
  ▾ title: {
        de: "Ausbau Kantonsstrasse Widen-Bergdietikon"
    },
  ▾ title_long: {
        de: "Ausbau Kantonsstrasse Widen-Bergdietikon (Interpellation)"
    },
  ▾ type_name: {
        de: "Interpellation"
    },
    type_harmonized: { },
    state_name: { },
    state_name_harmonized: { },
  ▾ url_external: {
        de: https://www.dietikon.ch/geschaefte/1549691
    }
}
```

Functional Parameter: expand

- Only Persons; No relationships
  - http://api.opendata.ch/v1/persons
- Persons + all relationships
  http://api.opendata.ch/v1/persons/?**expand=***
- Person + specific relationship
  - http://api.opendata.ch/api/v1/persons/?**expand=memberships**
- Persons + specific relationships
  - http://api.opendata.ch/api/v1/persons/?**expand=memberships,interests**

Max 500 entries of primary endpoint + max 100 each relation

Open Data .ch

Filter with parameters

- Female Persons from City of Bern
  - https://api.openparldata.ch/v1/persons/?body_key=351&gender=f
- Affair parlament.ch with technical id 2022441
  - https://api.openparldata.ch/v1/affairs/?body_key=CHE&external_id=20224411
- Affair parlament.ch with Number = 22.4411
  - https://api.openparldata.ch/v1/affairs/?body_key=CHE&number=22.4411

Filter with parameters + OR

Several parameters will be treated as an OR

- Current Consultations (CHE + German speaking cantons)
  - https://api.openparldata.ch/v1/affairs/?**type_name**=Vernehmlassung&**type_name**=Consultation&type_name=Motion

Or can be used with ‘,’

- Current Consultations (CHE + German speaking cantons)
  - https://api.openparldata.ch/v1/affairs/?**type_name**=Vernehmlassung,Consultation,Motion

Date Search

For dates searches you can use from_{DATE-Name} + to_{Date-Name}

Any format of yyyy-MM-dd, yyyy-MM or yyyy

api.openparldata.ch/v1/affairs/?**from**_begin_date=2017-02-01&**to**_begin_date=2022-12-31
api.openparldata.ch/v1/affairs/?**from**_begin_date=2017-02&**to**_begin_date=2022-12
api.openparldata.ch/v1/affairs/?**from**_begin_date=2017&**to**_begin_date=2022

Sorting

Use sort_by={Sortfield1},{Sortfield2}

Sortdirection is by default ascending, if you want descending put a - before the {Sortfield1}

https://api.openparldata.ch/v1/persons/?sort_by=lastname (A-Z)
https://api.openparldata.ch/v1/persons/?sort_by=-lastname (Z-A)

Select Fields

Use fields={field1},{field2},{field3} to only get specific fields of an entity:

https://api.openparldata.ch/v1/persons/?fields=lastname,fullname,email

Search

For each entity search-fields have been defined:

https://openparldata.ch/api/v1/affairs/?search=klima
https://openparldata.ch/api/v1/groups/?search=klima
https://api.openparldata.ch/v1/persons/?search=gössi

Boolean operators should be supported (but still needs documenting and testing)

The dangers of scraping

2025/08/10 22:23:47 - Download file to local folder - Connecting to URL: https://www.thun.ch/_doc/3980285 2025/08/10 22:23:54 - Download file to local folder - ERROR: I was unable to save the HTTP result to file because of a I/O error: **Connection refused**

2025/08/10 22:23:39 - Download file to local folder - Connecting to URL: https://www.adliswil.ch/_doc/1141107 2025/08/10 22:23:42 - Download file to local folder - ERROR: I was unable to save the HTTP result to file because of a I/O error: **Connection refused**

2025/08/10 22:23:23 - Download file to local folder - Connecting to URL: https://www.olten.ch/_doc/3418753 2025/08/10 22:23:24 - Download file to local folder - ERROR: I was unable to save the HTTP result to file because of a I/O error: **Connection refused**

2025/08/10 21:19:30 - Download file to local folder - Connecting to URL: https://www.duebendorf.ch/_doc/1074951 2025/08/10 21:20:20 - Download file to local folder - ERROR: I was unable to save the HTTP result to file because of a I/O error: **Connection refused**

The dangers of scraping

“Zum Schutz der Webauftritte unserer Kunden setzen wir verschiedene Sicherheitsmassnahmen ein. Diese sind für die Sicherheit unerlässlich und können daher nicht abgeschwächt werden.

Sollten Sie Interesse an der Nutzung von Kundendaten haben, wenden Sie sich bitte direkt an den jeweiligen Kunden.

Gerne prüfen wir Schnittstellenanfragen im Auftrag unserer Kunden und setzen diese nach Abstimmung entsprechend um.”



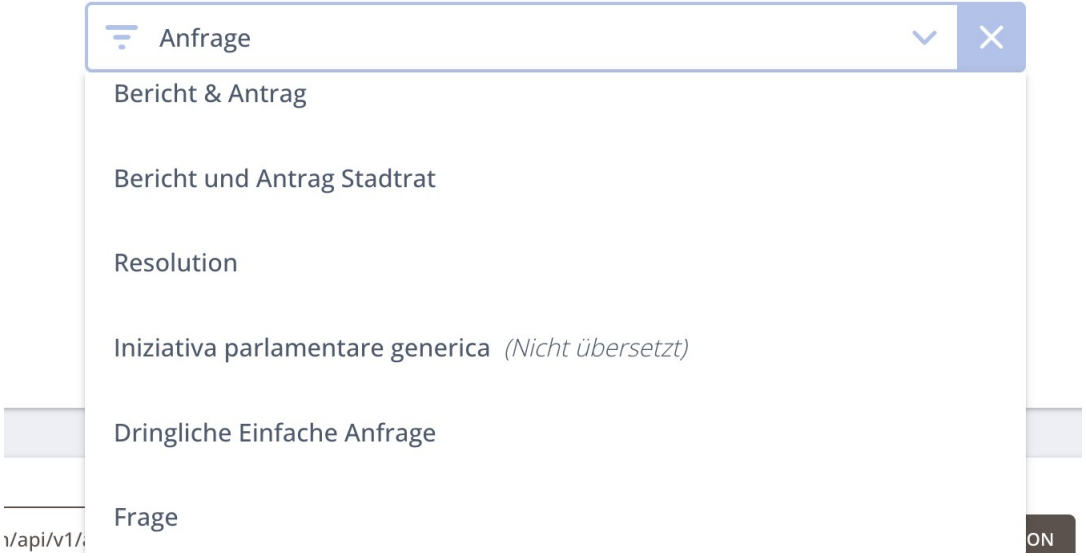


GUI (beta)



https://openparldata.ch/

Affair Types



1. Define harmonized classes

a...	affair_type_harmonized_de	affair_type_harmonized_fr	affair_type_harmonized_it	a
9	Regierungsgeschäft	affaires gouvernementales	Affari governativi	f
3	Postulat	Postulat	Postulato	M
2	Motion	Motion	Mozione	M
8	Interpellation	interpellation	interpellanza	i
4	Parlamentarische Initiative	Initiative parlementaire	Iniziativa parlamentare	I
7	Volksinitiative	initiative populaire	iniziativa popolare	i
6	Wahl	Élection	Elezioni	I
1	Divers	Divers	Variatori	D
5	Vernehmlassung	Consultation	Consultazione	C

2. Map each original type to harmonized type

Filter: WHERE affair_type_mapping_body_key in ('AG','NE')

*	affair_type_mapping_id	affair_t...	affair_type_mapping_original_type_...	affair_type_mapping_harmonized_id
1	504	AG	Antrag auf Direktbeschluss	(null)
2	505	AG	Botschaften	(null)
3	506	AG	Interpellation	(null)
4	507	AG	Interpellationen	(null)
5	508	AG	Kommissionsantrag	(null)
6	509	AG	Motion	(null)
7	510	AG	Motionen	(null)
8	511	AG	Parlamentarische Initiative	(null)
9	512	AG	Petitionen	(null)
10	513	AG	Postulat	(null)
11	514	AG	Postulate	(null)
12	515	AG	Vernehmlassung	(null)
13	736	NE	Consultation	(null)
14	737	NE	Interpellation	(null)
15	738	NE	Motion	(null)
16	739	NE	Postulat	(null)
17	740	NE	Projet de décret	(null)



A parliamentary affairs explorer and tracker

...aimed to create transparency in the noise of legislative operations.

About me

Who am I?



About me

- **BA in Interaction Design, 2012**
  Zürcher Hochschule der Künste
- **Frontend Developer** in digital agencies
  (Hinderling Volkart, dreipol)
- Self-employed since 2019:
  Adorable Squid GmbH
  (adorable-squid.ch)
- Currently studying at Uni Basel:
  MA in Political Science and Digital Humanities (graduating in 2026 🤞😬)

Project Details

What is the project about?

Universität Basel



Context

- Seminar paper in Digital Humanities (Supervisor: Prof. Lukas Rosenthaler)
- Combining topics of Political Science, Digital Humanities and programming
- Usage of the OpenParlData API
- Preparatory work / exploration for a future Master's Thesis

The Problem:

Information about parliamentary affairs is:

...difficult to track, monitor and keep up to date!

(even on the federal level, don't get me started on cantonal or municipal levels!)

Goals

Empower target groups

Allow political actors to **gain insights** on parl. activities.

Examples:

- NGOs / associations
- Political interest groups
- Government agencies

Improve monitoring

Facilitate…

- **access** to parl. affairs
- **tracking** of parl. affairs throughout their lifecycle

Increase transparency

transpar**•liam•**ent
Make parliamentary affairs readable and transparent.

***trans**•parliament*
Make these capabilities available throughout all administrative levels.

User Flow: List Wizard

Wireframes of the List Wizard user flow *(Work in Progress)*


Figma

trans PARLIAMENT

The transParliament app aims to be a comprehensive parliamentary affairs explorer and tracker across federal, cantonal and municipal parliamentaries (hence “trans”) of Switzerland. The application allows public sector actors as well as NGOs, political institutions and government agencies of all administrational levels to gain an overview of parliamentary activities with the ease of use of a social network.

Create your first List

Filters

ADMINISTRATIVE BODY:

Zurich (Canton)

Columns

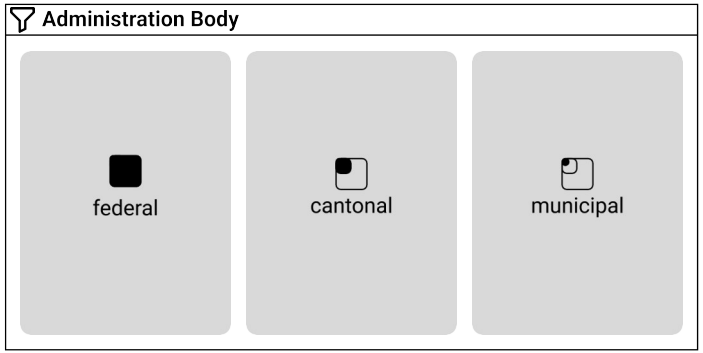
Administrative Body

Affair ID

Add Filters → Select Columns → Save List

List Generation Wizard

Welcome to your first List Generation Wizard! Starting is hard. Make some first steps here. We recommend you to start with filtering by administrative level. You may choose a federal, cantonal or municipal level.



You may also choose to filter by other criteria. Be warned, you might be overwhelmed and have a hard time finding what you're looking for as the parliamentary systems differ vastly by administrative level, main language and inner workings.

Person

Affair Status

Add Filters → Select Columns → Save List

List Generation Wizard

Welcome to your first List Generation Wizard! Starting is hard. Make some first steps here. We recommend you to start with filtering by administrative level. You may choose a federal, cantonal or municipal level.

Administration Body / Canton

AG XX XX XX XX XX XX XX XX XX XX XX XX

XX XX XX XX XX XX XX XX XX XX XX XX ZH

You may also choose to filter by other criteria. Be warned, you might be overwhelmed and have a hard time finding what you're looking for as the parliamentary systems differ vastly by administrative level, main language and inner workings.

Person

Affair Status

Add Filters → Select Columns → Save List

List Generation Wizard

Great! You made a start! Below, the list you requested has been loaded. To the right you see your current funnel.
You may choose to add more filters or you can start configuring your list now!

Add filters | Select columns | Save List

Displaying 5 of 948 affairs

Back | 1 | 2 | 3 | ... | 188 | 189 | 190 | Next

Admin. Body	Affair ID
ZH	135/2025
ZH	136/2025
ZH	137/2025
ZH	138/2025

Filters

ADMINISTRATIVE BODY:
Zurich (Canton)

Columns

Administrative Body

Affair ID

Add Filters → **Select Columns** → Save List

List Generation Wizard

Great! You made a start! Below, the list you requested has been loaded. To the right you see your current funnel.
You may choose to add more filters or you can start configuring your list now!

Add filters | Select columns | Save List

Displaying 5 of 948 affairs

Back | 1 | 2 | 3 | ... | 188 | 189 | 190 | Next

Admin. Body	Affair ID	Title
ZH	139/2025	Humanistische Seelsorge als Ergänzung zur religiösen Seelsorge ermöglichen
ZH	138/2025	Überprüfung der Gemeinnützigkeit von steuerbefreiten Institutionen
ZH	137/2025	Den Hochschulstandort Zürich stärken – Forschungsprojekte mit Universitäten sowie Wiss...
ZH	136/2025	Beistandschaften im Kanton Zürich

Filters

ADMINISTRATIVE BODY:
Zurich (Canton)

Columns

- Administrative Body
- Affair ID
- Title

Add Filters → Select Columns → Save List

List Generation Wizard

You chose wisely... But now you stand before the true test.
Do you want to save this list as it is or will you allow for it it to change? This can not be reverted!

Save a fixed set of affairs based on their IDs. The content of each affair may update over time, but the list will always refer to the same set of entities.

List Name | Save as Static List

Save a set of filter criteria instead of specific entities. The list will always refer to all affairs that match these criteria, even as new ones are added or existing ones change.

List Name | Save as Dynamic List

Displaying 5 of 948 affairs

Back | 1 | 2 | 3 | ... | 188 | 189 | 190 | Next

Admin. Body	Affair ID	Title
ZH	139/2025	Humanistische Seelsorge als Ergänzung zur religiösen Seelsorge ermöglichen
ZH	138/2025	Überprüfung der Gemeinnützigkeit von steuerbefreiten Institutionen

Filters

ADMINISTRATIVE BODY:
Zurich (Canton)

Columns

- Administrative Body
- Affair ID
- Title

List Generation Wizard

Well done! You've created a static list! You will find it in the list menu to the right!

Displaying 5 of 948 affairs

Back | 1 | 2 | 3 | ... | 188 | 189 | 190 | Next

Admin. Body	Affair ID	Title
ZH	139/2025	Humanistische Seelsorge als Ergänzung zur religiösen Seelsorge ermöglichen
ZH	138/2025	Überprüfung der Gemeinnützigkeit von steuerbefreiten Institutionen
ZH	137/2025	Den Hochschulstandort Zürich stärken – Forschungsprojekte mit Universitäten sowie Wiss...
ZH	136/2025	Beistandschaften im Kanton Zürich
ZH	135/2025	Zufahrtswegvariante 10b zur Deponie Leerüti

Static Lists

My first static list
Zurich (Canton)

Columns

Administrative Body

Affair ID

Thanks!

Happy to hear from you:
hello@adorable-squid.ch

Do you work on similar questions?

Let’s talk about options to collaborate!

Would this app be useful to you?

Let’s talk about your requirements and where you see the most potential for the public sector and NGOs.

Are you interested in the app?

Let’s keep in touch!

Are you a fascist?

Go away.

Website Elements

Draft/Ideas/Vision (will grow continually)

- Home
  - Short Description
  - (Minimal) GUI / Preview
  - *News*
- Data and API
  - API Documentation
  - About the data, coverage, FAQ
  - Terms of Service, License
  - *Roadmap*
- About
  - Basic info on the project/infrastructure
  - Team
  - → eCH Fachgruppe
  - Open Source / Source Code → GitLab
  - *Showcases*
  - *Governance*
  - *Events*
  - …
- Contribute
  - Code / GitLab
  - Donate
  - Supporters
- Contact
- Imprint / Data Protection

To Do

- Bring API and GUI - To a stable release candidate
- Improve GitLab Deployment with Tests for safe releases (some pytests already implemented)
- Translations - GUI
- Fulltext Search handling (when all Documents are imported)
- Modified/Last-Updated Handling
- Data improving (harmonization of affair_type, affair_state)

Your Use Cases / Needs?

- What functionalities do you still like to see in the API and/or GUI
- Please test the API's functionalities and provide us with feedback on your observations, any issues, or missing options (search functionalities are not yet fully implemented) via creating issues on GitLab (with label = API) until next week: https://gitlab.com/opendata.ch/openparldatach/data-infrastructure/-/issues
- Same for GUI (with label = GUI/website)

Next phase: Support for Data Ecosystem Prototypes

- Federal Chancellery approved our proposal for a prototype in the context of a data ecosystem:
- “Gouvernanz und gemeinnütziges Geschäftsmodell für eine Dateninfrastruktur für politische Geschäfte (OpenParlData.ch)”
- > CHF 100k from fall 2025 to 2026
- …to implement and evaluate governance and organizational structure,
- implement and evaluate a non-profit business model,
- and evaluate a “data space politics” (“feasibility study”)

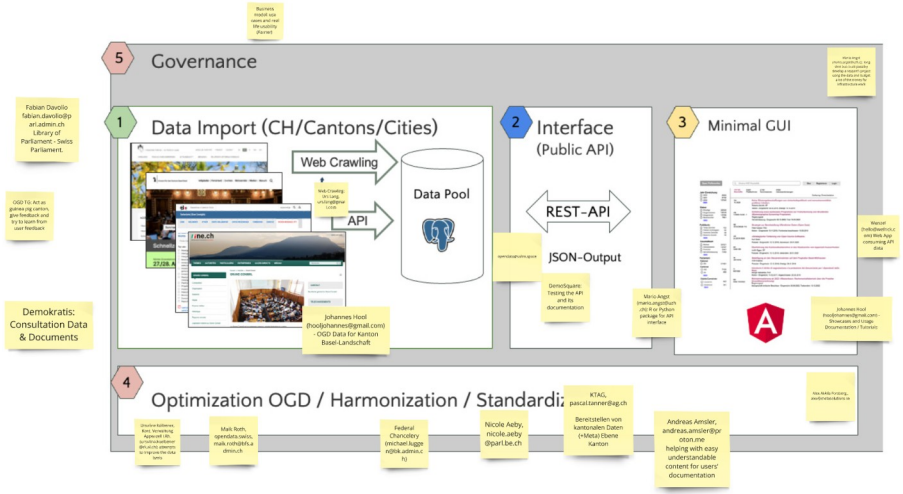
Next Open Parl Data ~~Public Meeting~~ Apéro

1 September

16.00 – 18.30

in Bern (invitation will follow)

Contribute



We are working on this project **openly** and **collaboratively**.

Follow the progress and contribute on GitLab!

This infrastructure is made possible by the Mercator Foundation Switzerland ❤️

Questions?
Ideas?

