

Schnittstelle für Abfragen über den Grundstücksuchdienst

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INDEX

API Reference

	2
1. ID-ALLOCATION-STATISTICS	3
1.1 GET /id-allocation-statistics	3
2. LANDREGISTERS	3
2.1 GET /landregisters	3
2.2 GET /landregisters/{registerId}/contact	4
3. SEARCH	5
3.1 POST /search/person	5
3.2 POST /search/ahv	6
3.3 POST /search/organisation	6
3.4 POST /search/uid	7
3.5 GET /search/{transactionId}	8
3.6 POST /search/{transactionId}/extracts	10

API

1. ID-ALLOCATION-STATISTICS

1.1 GET /id-allocation-statistics

Get AHV / UID Allocation Statistics

Progress of AHV / UID allocations per canton in percentage.

REQUEST

No request parameters

RESPONSE

STATUS CODE - 200: Per canton list of AVH / UID allocation progress

RESPONSE MODEL - application/json

```
{
  Details
  totalPercentageAhv          number          Overall percentage of person records with allocated AHV
                           number                    number
  totalPercentageUid         number          Overall percentage of organisation records with allocated
                           number                    UID number
  perCantonStatistics [{
    Array of object:
    canton                    enum          ALLOWED:AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU, LU,
                           number          NE, NW, OW, SG, SH, SZ, SO, TG, TI, UR, VD, VS, ZG, ZH
                           number          Short code for canton
    percentageAhv             number          Percentage of person records with allocated AHV number
    percentageUid             number          Percentage of organisation records with allocated UID number
  }]
}
```

2. LANDREGISTERS

2.1 GET /landregisters

Get Land Registers

Get list of land registers filterable by canton or underlying land register system identifier, the systemReferenceId.

REQUEST

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
canton	enum ALLOWED: AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU, LU, NE, NW, OW, SG, SH, SZ, SO, TG, TI, UR, VD, VS, ZG, ZH	
systemReferenceId	string PATTERN: ^[0-9]{4}\$	

RESPONSE

STATUS CODE - 200: List of landregisters

RESPONSE MODEL - application/json

```
{
  Details
  landRegisters [{
    Array of object:
      id          string      Id of land register (LGS intern)
      canton      enum        ALLOWED:AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU,
                           LU, NE, NW, OW, SG, SH, SZ, SO, TG, TI, UR, VD,
                           VS, ZG, ZH
                           Short code for canton
      name        string      Name of land register
      systemReferenceId string  PATTERN:^[0-9]{4}$
                           Reference id for land register system (id as maintained by cadastre.ch; system as a concrete
                           installation of a technical system)
  }]
}
```

2.2 GET /landregisters/{registerId}/contact

Get Land Register Contact Information

Get the contact information for given land register

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*registerId	uuid	

RESPONSE

STATUS CODE - 200: Contact information for land register

RESPONSE MODEL - application/json

```
{
  name          string      Name or short description of contact point
  description    string      Free field for description.
  additionalInformation string  Free field for any other additional information, like opening hours, etc.
  telephone     string      Telephone number
  email         string      E-Mail address
  address       string      Street address
}
```

3. SEARCH

3.1 POST /search/person

Person Search

REQUEST

REQUEST BODY - application/json

```
{
  firstName*           string      All first names (see also eCH-0011:firstName)
  officialName*        string      Official surname (see eCH-0011:officialName)
  sex                  enum        ALLOWED:male, female, divers String representation of eCH
                                0044:sexType

  dateOfBirth* {
    Representation of a (partial) date of birth
    year* integer >=1291
      Year
    month integer between 1 and 12
      Month
    Day integer between 1 and 31
      Day of month
  }
  placeOfOrigin        string      Place of origin (Heimatort)
  nationality {
    Nationality (see eCH-0011:countryInfo)
    country* string Country (see eCH-0008:countryType)
    nationalityValidFrom string      Validity begin of the nationality (see eCH-0011:nationalityValidFrom)
  }
  nameOfFather         string      max:200 chars
                        First name and official name of father (free text field as specified in UPI
                        documentation)
  nameOfMother         string      max:200 chars
                        First name and official name of mother (free text field as specified in UPI
                        documentation)
  legalClaimType       enum        ALLOWED:EigentumAnteil, Dienstbarkeit, Grundlast,
                        Grundpfandrecht, Vormerkung, Anmerkung
                        Legal claim types as defined in GBDBS / eGRISDM
  canton               enum        ALLOWED:AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU,
                        LU, NE, NW, OW, SG, SH, SZ, SO, TG, TI, UR, VD,
                        VS, ZG, ZH
                        Short code for canton
  landRegisterSystems [string]     PATTERN:^[0-9]{4}$
                        Reference id for land register system (id as maintained by cadastre.ch; system as a
                        concrete installation of a technical system)
}
```

RESPONSE

STATUS CODE - 200: TransactionId of asynchronous search request

RESPONSE MODEL - application/json

```
{
  Response to a asynchronous call
  transactionId        string      Transaction id of search
}
```

3.2 POST /search/ahv

AHV Search

REQUEST

REQUEST BODY - application/json

```
{
  ahvNumber*           string           PATTERN:^[0-9]{3}\.([0-9]{4}\.){2}[0-9]{2}$
                        AHV Number
  canton               enum             ALLOWED:AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU,
                        LU, NE, NW, OW, SG, SH, SZ, SO, TG, TI, UR, VD, VS,
                        ZG, ZH
                        Short code for canton
  landRegisterSystems [string]        PATTERN:^[0-9]{4}$
                        Reference id for land register system (id as maintained by cadastre.ch; system as a concrete
                        installation of a technical system)
}
```

RESPONSE

STATUS CODE - 200: TransactionId of asynchronous search request

RESPONSE MODEL - application/json

```
{
  Response to a asynchronous call
  transactionId        string           Transaction id of search
}
```

3.3 POST /search/organisation

Organisation Search

REQUEST

REQUEST BODY - application/json

```
{
  name*                string           eCH-0097:organisationName
  residence             string           Aggregated/partial eCH-0098:businessAddress of residence
  canton               enum             ALLOWED:AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU,
                        LU, NE, NW, OW, SG, SH, SZ, SO, TG, TI, UR, VD, VS,
                        ZG, ZH
                        Short code for canton
  landRegisterSystems [string]        PATTERN:^[0-9]{4}$
                        Reference id for land register system (id as maintained by cadastre.ch;
                        system as a concrete installation of a technical system)
}
```

RESPONSE

STATUS CODE - 200: TransactionId of asynchronous search request

RESPONSE MODEL - application/json

```
{
  Response to a asynchronous call
  transactionId        string           Transaction id of search
}
```

}

3.4 POST /search/uid

UID Search

REQUEST

REQUEST BODY - application/json

```
{  
  uidNumber*      string      PATTERN: ^CHE-([0-9]{3}\.){2}[0-9]{3}  
                  eCH-0097:uidOrganisationId  
  canton          enum        ALLOWED: AG, AR, AI, BL, BS, BE, FR, GE, GL, GR, JU,  
                  LU, NE, NW, OW, SG, SH, SZ, SO, TG, TI, UR, VD, VS,  
                  ZG, ZH  
                  Short code for canton  
  landRegisterSystems [string] PATTERN: ^[0-9]{4}$  
                  Reference id for land register system (id as maintained by cadastre.ch;  
                  system as a concrete installation of a technical system)  
}
```

RESPONSE

STATUS CODE - 200: TransactionId of asynchronous search request

RESPONSE MODEL - application/json

```
{  
  Response to a asynchronous call  
  transactionId   string      Transaction id of search  
}
```

3.5 GET /search/{transactionId}

Get Search Results

Receive status and results of search with given transaction id

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*transactionId	uuid	

RESPONSE

STATUS CODE - 200: Results

RESPONSE MODEL - application/json

```
{
  Response
  Status enum ALLOWED:FAILED, RUNNING, CANCELED,
  COMPLETED, COMPLETED_WITH_FAILURES
  Describes the overall search status
  * `FAILED` fatal error during processing of the search
  * `RUNNING` search is still running
  * `CANCELED` search was canceled
  * `COMPLETED` search was completed successfully
  * `COMPLETED_WITH_FAILURES` search did complete successfully, but there
  were failures retrieving data from some queried systems

  meta {
    Search meta information
    startedAt string Processing of the search started at
    updateAt string Status of the search was last updated at
    completedAt string Search was completed at
    totalQueries integer Total number of required queries to land register systems
    completedQueries integer Number of successfully completed queries
    runningQueries integer Number of running / outstanding queries
    failedQueries integer Number of final failed queries
  }
  results
  ANY OF
  0 {
    ::props {
      organisation {
        uidNumber string PATTERN: ^CHE-([0-9]{3}\.){2}[0-9]{3}
        eCH-0097:uidOrganisationId
        name string eCH-0097:organisationName
        legalForm string PATTERN: ^{0-9}{4}$
        eCH-0097:legalFormType
      }
      properties [{
        Array of object:
        resultId string Id of single search result entry
        landRegisterId string Id of land register (LGS intern)
        propertyType enum ALLOWED:Liegenschaft,
        SelbststaendigesDauerndesRecht,
        MiteigentumsAnteil, Bergwerk
        Type of property as defined in the specification of eGRIS / GBDBS
        eGRID string PATTERN: ^CH[0-9]{12}$
        Swiss property identification number
      }
    }
  }
}
```



```
        propertyNumber    string    Property number (identificator within a specific land register)
    }
}
systemsWithFailures      [string]    PATTERN:^[0-9]{4}$

Reference id for land register system (id as maintained by cadastre.ch;
system as a concrete installation of a technical system)
}
```

3.6 POST /search/{transactionId}/extracts

Create Extract(s)

Trigger the generation of the signed PDF land register extracts of the selected result(s).

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*transactionId	uuid	

REQUEST BODY - application/json

```
{
  resultIds [string] Id of single search result entry
}
```

RESPONSE

STATUS CODE - 200: Extracts

RESPONSE MODEL - application/json

```
{
  Response to generate extracts call
  extracts [{
    Array of object:
    resultId          string      Id of single search result entry
    url              string      PATTERN: ^https?:/[[-a-zA-Z0-9+&@#/%?=\~_ |!:,;]*[-a-zA-Z0-9+&@#/%=\~_ |]
                                Signed, temporary user/system bound, URL to retrieve file
    downloadValidUntil string      Timestamp until download link is valid
  }]
}
```

