



## INSTITUTION DASHBOARD SERVICE API

V1.1 March 2018

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### **Purpose:**

This API documentation is intended to assist the user with understanding how the CHORUS Institution Dashboard Service delivers aggregated data and paths to actual articles, please see <https://www.chorusaccess.org/resources/chorus-for-institutions/chorus-institution-dashboard-service/> for more information regarding the Institution Dashboard Service.

### **Basic Mechanism:**

To use this document, you should be familiar with API concepts. All APIs return response as JSON by default. In case a response is need in XML the Content-Type of the request header needs to be set to either text/xml or application/xml.

This API will only work for the FunderID's for those Funder "Agency" Dashboards that were created.

Data Provenance is Crossref, ORCID, CHORUS, ScholixExplorer (datasets), PORTICO and CLOCKSS (archive details), and Agencies.

## Institution Dashboard Service APIs:

APIs were created to return dashboard data.

API Endpoint	HTTP Method	Description
/institution/:id/histories	GET	Returns data of indicator history table
/institution/:id/agencies	GET	Returns data of agency breakdown table
/institution/:id/histories/:yy yy/:mm/:dd	GET	Returns works associated with numbers displayed in indicator history table
/institution/:id/histories/cur rent	GET	Returns works associated with ALL numbers displayed in indicator history table
/institution/:id/agencies/:ag encyId	GET	Returns work records corresponding to numbers in agency table

Note - If 'chorus\_participant' query parameter = true with no specific agency id, results will contain only funding agencies that are CHORUS Funder Participants. However, if query parameter = false with a specific agency id, results will be empty if the agency is not a CHORUS participant.

Example: chorus\_participant parameter

[https://api.chorusaccess.org/v1.1/institution/74214/agencies/100000001?chorus\\_participant=true](https://api.chorusaccess.org/v1.1/institution/74214/agencies/100000001?chorus_participant=true)  
[https://api.chorusaccess.org/v1.1/institution/74214/histories/current?chorus\\_participant=true](https://api.chorusaccess.org/v1.1/institution/74214/histories/current?chorus_participant=true)  
[https://api.chorusaccess.org/v1.1/institution/74214/histories/2017/12/10?chorus\\_participant=true](https://api.chorusaccess.org/v1.1/institution/74214/histories/2017/12/10?chorus_participant=true)

### API 1: For fetching the data of indicator history table

URL:

GET <https://api.chorusaccess.org/v1.1/institution/:id/histories>

**Note:** The headers and response codes section for this API are the same as in API 1 of the agency dashboard.

#### Parameters to be passed:

Parameter	Type	Description
:id( <i>Required</i> )	URL	Member ID of institution whose data is to be fetched
chorus_participant ( <i>Optional</i> )	Query	true or false (if false, no results will be returned)

**Response:**

- member\_id – Member Id of institution whose data is to be fetched
- institution – Name of Institution
- tallies – An array of objects corresponding to all rows in indicator history table

**Example cURL requests:**

curl -H "https://api.chorusaccess.org/v1.1/institution/74214/histories"

In case data is needed as XML:

curl -H "Content-Type: text/xml" "https://api.chorusaccess.org/v1.1/institution/74214/histories"

**Sample Response:**

```
{
  {
    "member_id": 74214,
    "publisher": "University of Florida",
    "tallies": [
      {
        "date": "12/31/2018",
        "total_works": 10133,
        "publicly_accessible_yes": 2688,
        "publicly_accessible_unknown": 7445,
        "reuse_terms_available_yes": 5485,
        "reuse_terms_available_unknown": 4648,
        "archived_yes": 10047,
        "archived_unknown": 86,
        "passed_overall_audit": 2555
      }
    ]
  }
}
```

**API 2: For fetching the data of agency breakdown table**

URL:

GET https://api.chorusaccess.org/v1.1/institution/74214/agencies

**Note:** The headers and response codes section for this API are the same as in API 1 of the agency dashboard.

**Parameters to be passed:**

Parameter	Type	Description
:id( <i>Required</i> )	URL	Member ID of institution whose data is to be fetched
chorus_participant( <i>Optional</i> )	Query	true or false

**Response:**

- member\_id – Member ID of institution whose data is requested
- institution– Name of Institution
- agencies – An array of object corresponding to all rows in agency table

**Example cURL requests:**

```
curl -H "https://api.chorusaccess.org/v1.1/institution/74214/agencies"
```

In case data is needed as XML:

```
curl -H "Content-Type: text/xml" "https://api.chorusaccess.org/v1.1/institution/74214/agencies"
```

## Sample Response:

```
"member_id": 74214,  
"publisher": "University of Florida",  
"agencies": [  
  {  
    "name": "National Science Foundation",  
    "total_works": 3893,  
    "publicly_accessible_yes": 1571,  
    "publicly_accessible_unknown": 2322,  
    "reuse_terms_available_yes": 2390,  
    "reuse_terms_available_unknown": 1503,  
    "archived_yes": 3865,  
    "archived_unknown": 28,  
    "passed_overall_audit": 1501,  
    "doi_portal_count": 1073  
  },  
  {  
    "name": "U.S. Department of Agriculture",  
    "total_works": 480,  
    "publicly_accessible_yes": 109,  
    "publicly_accessible_unknown": 371,  
    "reuse_terms_available_yes": 229,  
    "reuse_terms_available_unknown": 251,  
    "archived_yes": 478,  
    "archived_unknown": 2,  
    "passed_overall_audit": 98,  
    "doi_portal_count": 0  
  },  
  {  
    "name": "Department of the Interior",  
    "total_works": 86,  
    "publicly_accessible_yes": 22,  
    "publicly_accessible_unknown": 64,  
    "reuse_terms_available_yes": 47,  
    "reuse_terms_available_unknown": 39,  
    "archived_yes": 86,  
    "archived_unknown": 0,  
    "passed_overall_audit": 19,  
    "doi_portal_count": 0  
  }  
]
```

### API 3: For fetching the works associated with numbers displayed in indicator history table

URL:

GET <https://api.chorusaccess.org/v1.1/institution/:id/histories/:yyyy/:mm/:dd> or <https://api.chorusaccess.org/v1.1/institution/:id/histories/current>

**Note:** The headers and response codes section for this API are the same as in API 1 of the agency dashboard. This API returns 50 records per request. This limit can be increased by setting limit query parameter to a higher value while making request.

#### Parameters to be passed:

Parameter	Type	Description
:id ( <i>Required</i> )	URL	Member ID for institution whose data is to be fetched
:YYYY ( <i>Required</i> )	URL	Year of date of which data is to be fetched
:mm ( <i>Required</i> )	URL	Month of date of which data is to be fetched
:dd ( <i>Required</i> )	URL	Day of date of which data is to be fetched
category ( <i>Optional</i> )	Query	This can be one of, publicly_accessible, archive, license and total_acceptable. Default value for this parameter is all
subcategory ( <i>Optional</i> )	Query	This can be one of 'yes' or 'unknown'. If only category is passed as query parameter with request, subcategory defaults to 'yes'
limit ( <i>Optional</i> )	Query	Number of records to be returned per request/page. Defaults to 50
offset ( <i>Optional</i> )	Query	Pagination offset. Default value is 0
chorus_participant ( <i>Optional</i> )	Query	true or false

**Note:** exchanging (:yyyy/:mm/:dd) with “current” will yield ALL results up to the current date.

#### Response:

- member\_id – Member ID of institution whose data was requested
- institution – Name of Institution
- breakdown\_for – Date whose data is requested
- category – category parameter passed with request
- subcategory – subcategory parameter that was passed with request
- items – Array of work records
- limit – Number of records requested

- offset – Result offset
- total\_results – Total number records matching the request

**Example cURL requests:**

curl

[https://api.chorusaccess.org/v1.1/institution/74214/histories/2018/12/31?category=publicly\\_accessible  
&subcategory=yes](https://api.chorusaccess.org/v1.1/institution/74214/histories/2018/12/31?category=publicly_accessible&subcategory=yes)

In case data is needed as XML:

curl -H "Content-Type: text/xml"

"https://api.chorusaccess.org/v1.1/institution/74214/histories/2018/21/31?category=publicly\_accessible  
&subcategory=yes"

## Sample Response:

```
{
  "member_id": 74214,
  "publisher": "University of Florida",
  "breakdown_for": "2018/12/31",
  "category": "publicly_accessible",
  "subcategory": "yes",
  "items": [
    {
      "DOI": "10.1002/1873-3468.12517",
      "agencies": "NIH,USDHHS",
      "authors": [
        "Cheng Bokun",
        "Zhou Qingxuan",
        "Weng Liwei",
        "Leszyk John D.",
        "Greenberg Marc M.",
        "Tse-Dinh Yuk-Ching"
      ],
      "title": "Identification of proximal sites for unwound DNA substrate in Escherichia coli topoisomerase I with oxidative crosslinking",
      "journal_name": "FEBS Letters",
      "last_audited_on": "2/13/2018",
      "publicly_accessible_on_publisher_site": "12/20/2016",
      "agency_portal_url": [
        "https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5235945.1"
      ],
      "orcid_profile": null,
      "updated": "8/18/2018",
      "added": "12/21/2016",
      "published_print": "1/2017",
      "published_online": "12/20/2016",
      "license_type": "VOR",
      "reuse_license_start_date": "12/20/2016",
      "type": "journal-article",
      "archived_status": "Yes",
      "datasets": null,
      "grant_ids": null
    }
  ],
}
```

Raw P2

**Note** – publicly\_accessible\_date = license start date to be changed to open access = license start date and the license type URL to be changed in the next API Update

## API 4: For fetching work records corresponding to numbers in Agency table

URL:

GET <https://api.chorusaccess.org/v1.1/institution/:id/agencies/:agencyId>

**Note(s):** This API returns 50 records per request; setting limit query parameter to a higher value while making request can increase this limit.

### Parameters to be passed:

Parameter	Type	Description
:id (Required)	URL	Member ID of institution whose data is to be fetched
:agencyId (Required)	URL	Id of agency whose data is to be fetched
category (Optional)	Query	This can be one all, publicly_accessible, archive, license and total_acceptable. Default value for this parameter is 'all'



subcategory (Optional)	Query	This can be one of 'yes' or 'unknown'. If only category is passed as query parameter with request, subcategory defaults to 'yes'
limit (Optional)	Query	Number of records to be returned per request/page. Defaults to 50
offset (Optional)	Query	Pagination offset. Default value is 0
chorus_participant (Optional)	Query	true or false

**Response:**

- member\_id – Member Id of institution whose data was requested
- publisher – Name of Institution
- breakdown\_for – Agency whose data is requested
- category – category parameter passed with request
- subcategory – subcategory parameter that was passed with request
- items – Array of work records
- limit – Number of records requested
- offset – Result offset
- total\_results – Total number records matching the request

**Example cURL requests:**

```
curl "https://api.chorusaccess.org/v1.1/institution/id/agencies/100000001"
```

In case data is needed as XML:

```
curl -H "Content-Type: text/xml" "https://api.chorusaccess.org/v1.1/institution/id/agencies/100000001"
```

**Sample Response:**

```
{
"member_id": 74214,
"publisher": "University of Florida (UFL)",
"breakdown_for": "National Science Foundation",
"category": "null",
"subcategory": "null",
"items": [
```

```

{
  {
    "DOI": "10.1002/2013jd021006",
    "URL": "http://dx.doi.org/10.1002/2013jd021006",
    "publisher": "American Geophysical Union (AGU)",
    "authors": [
      "Zhu Baoyou",
      "Zhou Helin",
      "Thottappillil Rajeev",
      "Rakov Vladimir A."
    ],
    "title": "Simultaneous observations of electric field changes, wideband magnetic field pulses, and VHF emissions associated with K processes in lightning discharges",
    "journal_name": "Journal of Geophysical Research: Atmospheres",
    "last_audited_on": "4/4/2016",
    "publicly_accessible_on_publisher_site": "3/18/2014",
    "orcid_profile": {
      "DOI": "10.1002/2013jd021006",
      "authors": [
        {
          "ORCID": "http://orcid.org/0000-0002-4582-9483",
          "family": "Rakov",
          "given": "Vladimir",
          "_id": "5baf43383e12a7af60162e56"
        }
      ],
      "ORCID": "http://orcid.org/0000-0002-4582-9483",
      "publisher": "American Geophysical Union (AGU)",
      "memberId": "13"
    },
    "updated": "3/9/2019",
    "added": "3/4/2016",
    "published_print": "3/27/2014",
    "published_online": "3/18/2014",
    "license_type": "VOR",
    "reuse_license_start_date": "03/18/2014",
    "type": "journal-article",
    "grant_ids": [
      "https://www.nsf.gov/awardsearch/showAward?AWD_ID=0852869"
    ],
    "agency_portal_url": []
  },
}
}
}

```

### API Change Log:

Revisions Date	Change	Reason for change
TBD	API results are identified as publisher – update in progress to change publisher to institution.	

### Change Notification Process:

Changes and/or updates will be communicated by notifying the technical representative noted in the CHORUS participant account details.

### Issues/questions:

If you find a bug in this documentation or would like to propose an improvement to the API, please send an email to ([support@chorusaccess.org](mailto:support@chorusaccess.org)). If you have a suggestion how to fix it, include that as well.