

Data Extraction Tool - API Manual

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Document history:

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1.1	05/11/2021	CMT review
1.2	09/11/2021	Revisions added
1.3	11/11/2021	CMT review
1.4	12/11/2021	Revisions added
1.4.1	27/06/2022	Review and comment
1.5.0	05/07/2022	Support page URL corrected. Open API URL and help page added.
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1.7.0	04/09/2024	New listExtractions() method + revisions added
1.7.1	08/10/204	CMT Review & validation
1.8.0	04/02/2025	Updated for distinguishing estimated from total results

1. INTRODUCTION

The aim of this document is to explain the usage of the CORDIS Data Extraction Tool REST API (DET API hereafter). This application programming interface is intended for those users who want to extract CORDIS data without using the regular interface. By using the API you can automate extractions based on your needs and feed exported the data directly to your applications.

For sporadic or low volume exports please use the [regular user interface](#) which is available to any user registered in CORDIS that have been given the rights.

Although the API is completely free of use, the Publications Office of the EU reserves the right to suspend temporary or permanently the grants to those users that violate CORDIS website [terms and conditions](#). CORDIS sets and enforces limits on your use of all its APIs (e.g. limiting the number of API requests that you may make or the number of users you may serve), in our sole discretion. You agree to, and will not attempt to circumvent, such limitations. If you would like to use any API beyond these limits, you must obtain CORDIS express consent (and CORDIS may decline such request or condition acceptance on your agreement to additional terms and/or charges for that use).

2. BEFORE FIRST USE

The [API Services page](#) lists your API key that will be required for any use.

Access and key of the DET API is not granted by default and should be first requested by contacting the Help Desk.

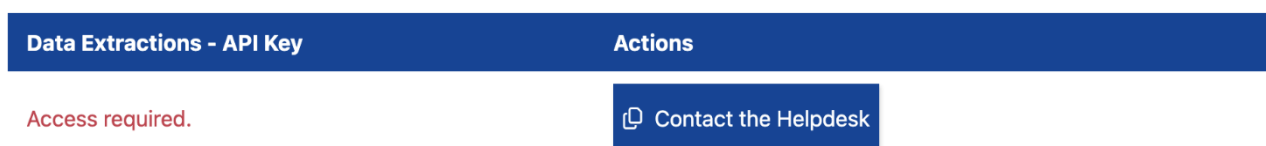


Figure 1: DET API page initial state

Once you have been granted the key and access and if you think your key may have been compromised, you can always regenerate it from the same page clicking on the refresh icon.



Figure 2: DET API page once access and key is granted


Action	Outcome
 Reset	Regenerates the API key and calculate a new one. A confirmation message appears to warn that if this action is triggered the user will lose all previous extractions.

Table 1: API page actions

3. CONSIDERATIONS

There are some considerations to take into account when using the API:

- Only 5 extractions can be associated with an API key at any one time. To remove old extractions, the API method “*deleteExtraction*” can be used see section:4.4.
- Extractions are automatically deleted 24 hours after completion.
- There is a limitation of 25 000 records for normal users and, extractions with over 10 000 records may take longer to complete due to the larger final file size. For larger data extractions, please consider using the CORDIS datasets available on data.europa.eu or our SPARQL interface instead, respectively:

<https://data.europa.eu/data/datasets?query=cordis&locale=en&publisher=Publications%20Office%20of%20the%20European%20Union&page=1&limit=25&categories=TECH&sort=modified%2Bdesc,%20relevance%2Bdesc,%20title.en%2Basc>

<https://cordis.europa.eu/datalab/sparql-endpoint/en>

4. PUBLIC API METHODS

The available methods have been detailed online in on Open API help page. This can be accessed directly, or through an interactive UI:

Open API: <https://cordis.europa.eu/dataextractions/api-docs>

Open API UI: <https://cordis.europa.eu/dataextractions/api-docs-ui>

The methods listed below are a subset of those currently available.

4.1. GET /api/dataextractions/getExtraction

This endpoint is used to request a new data extraction from CORDIS. Only one data extraction can be requested at the time. A second call to this method will cancel the previous one (a message will be left to indicate that in the response).

```
https://cordis.europa.eu/api/dataextractions/getExtraction
```

4.1.1. Input parameters

Parameter	Input	Description and samples
query	string Mandatory	Any valid query in CORDIS format. You can check samples of query syntax by executing a search and then switching to “Edit query” mode. Sample: contenttype='project' AND (/project/relation/associations/relatedTopic/programme/code =='MSCA-RISE-2015') To find out more about how to search CORDIS content, please visit https://cordis.europa.eu/about/search
outputFormat	string Mandatory Possible values: 'xml','xlsx','json','csv' Multiple values are allowed (comma separated) optional (default=xml)	<ul style="list-style-type: none"> • xml: individual XML files representing each a result record. • csv, xlsx and json: only if one (and only one) of these collections are set up on the query parameter: 'project','programme','pubsum','deliverable','publication','brief','news','ipr'
key	string Mandatory	Fill with the key obtained from the username profile https://cordis.europa.eu/about/api/[lang]

Table 2: getExtraction parameters

4.1.2. Sample call

Params:

Parameter	Input
query*	contenttype='project' AND (programme/code='H2020') AND 'rocket'
outputFormat	'xml','xlsx','json','csv','summary'
Key	123azerty456789

** queries can be experimented from the search feature in CORDIS web. After selecting the filters and searching you can copy the q parameter from the URL, like in the following sample:*

`https://cordis.europa.eu/search?q=contenttype%3D%27project%27%20AND%20(programme%2Fcode%3D%27H2020%27)%20AND%20%27rocket%27&p=1&num=10&srt=Relevance:decreasing`

Corresponding API call:

```
https://cordis.europa.eu/api/dataextractions/getExtraction?query=contenttype%3D%27project%27%20AND%20(programme%2Fcode%3D%27H2020%27)%20AND%20%27rocket%27&outputFormat=xml,xlsx,json,csv&key=123azerty456789
```

4.1.3. Sample responses

The responses will be sent in JSON format. It will contain the taskID of the extraction process. This taskID can be used later to retrieve the status of the running extraction.

```
{
  "status": true,
  "payload": {
    "taskID": 64625437
  }
}
```

If a user had a previous extraction taskID running, it will be informed as “cancelledExtraction” along with the previous query. See sample below:

```
{
  "status": true,
  "payload": {
    "taskID": 64625438,
    "cancelledExtraction": {
      "taskID": 64625437,
      "query": "contenttype='project' AND (programme/code='H2020') AND 'rocket'"
    }
  }
}
```

The extraction launched with this API method is scheduled and executed in background. Please take into account that large extractions can take hours to complete (approx. 4h per 25 000 records with all formats selected). When the extraction finishes, one of the following email templates are sent to user email (linked to your EU login account) depending on the result (completed or failed):

COMPLETED:

Subject: Your data extraction is ready (task ID: [taskId])

Dear [First Names] [Last Names],

The data extraction you requested on [EXTRACTION DATE] has finished.

You can download the result here:

[\[download link\]](#)

The files are also available in the [Data extractions section](#) of your CORDIS profile.

Kind regards,

The CORDIS Team

CORDIS is managed by the Publications Office of the European Union

FAILED:

Subject: Your data extraction has (task ID: [taskId])

Dear [First Names] [Last Names],

The data extraction you requested on [EXTRACTION DATE] failed due to technical issues.

The extraction can be relaunched in the [Data extractions section](#) of your CORDIS profile.

If you have more issues after relaunching the extraction, please contact our [Help Desk](#) and provide the Task ID of the extraction (you can find it in the subject of this email).

Kind regards,

The CORDIS Team

CORDIS is managed by the Publications Office of the European Union

4.2. GET /api/dataextractions/getExtractionStatus

This endpoint is used to find out the status and progress level of a given extraction. Once the extraction is finished an email will be sent with the URIs of the files to be downloaded.

4.2.1. Input parameters

Parameter	Input	Description and samples
taskId	integer Mandatory	ID of the process obtained from getExtraction response. Sample: 64625447
key	string Mandatory	Fill with the key obtained from the username profile https://cordis.europa.eu/about/api/[lang]

Table 3: getExtractionStatus parameters

4.2.2. Sample call

Params:

Parameter	Input
taskId	64625447
Key	123azerty456789

Generated call:

```
https://cordis.europa.eu/api/dataextractions/getExtractionStatus?taskId=64625447  
&key=123azerty456789
```

4.2.3. Sample Response

The response will be sent in JSON format. It will contain the status of the extraction. The progress field can be "Ongoing", "Finished" or "Failed". The response will also contain the taskId field, the query used for

the extraction, the total number of records (`numberOfRecords`), the number of processed records (`numberOfProcessedRecords`) and the remaining time (`remainingTime`) and average speed (`averageSpeed`). Some of the fields may not be available or empty (e.g. `destinationFileUri` will be empty for all status except successfully “Finished”), depending on the progress of the extraction.

The following sample shows the progress of a running extraction:

```
{
  "status": true,
  "payload": {
    "taskID": 64625447,
    "destinationFileUri": "",
    "progress": "Ongoing",
    "query": "contenttype='project' AND (programme/code='H2020') AND 'biology'",
    "numberOfRecords": "3071",
    "numberOfRecordsEstimated": "3052",
    "numberOfProcessedRecords": "675",
    "remainingTime": "00:15:22",
    "averageSpeed": "0.4s/record"
  }
}
```

In case of successfully completed extraction, “progress” will be “Finished” and “destinationFileUri” will be populated with the link to your extraction files.

For failed extractions the response is similar, but in this case the number of processed records will be less than the number of records and the “progress” value will be “Failed”. If this is the case it means that the process ended unexpectedly, and it is recommended to relaunch the extraction again with *getExtraction*.

When starting the an extraction, the number of records is first estimated (`numberOfRecordsEstimated`), and the real number of record (`numberOfRecords`) will first be an empty string. Once the system calculate the real number of records, the `numberOfRecords` key will be populated.

4.3. GET /api/dataextractions/cancelExtraction

This endpoint is used to cancel an on-going extraction. As there can only be one extraction running per user key, this is the only parameter required for the method.

4.3.1. Input parameters

Parameter	Type	Description and samples
taskId	integer Mandatory	ID of the process obtained from getExtraction response. Sample: 64625447
key	string Mandatory	Fill with the key obtained from the username profile https://cordis.europa.eu/about/api/[lang]

Table 4: cancelExtraction parameters

4.3.2. Sample call

Params:

Parameter	Input
taskId	64625447
Key	123azerty456789

Generated call:

```
https://cordis.europa.eu/api/dataextractions/cancelExtraction?taskId=64625447&key=123azerty456789
```

4.3.3. Sample Response

The response will be sent in JSON format. It will return a message to the user saying the extraction was cancelled. A new extraction can be sent just after this is received.

Sample:

```
{
  "status": true,
  "payload": {
    "taskId": 64625450,
    "progress": "Cancelled",
    "query": "contenttype='project' AND (programme/code='H2020') AND 'biology'",
    "message": "Your extraction was cancelled correctly"
  }
}
```

4.4. DELETE /api/dataextractions/deleteExtraction

This endpoint is used to delete an extraction.

4.4.1. Input parameters

Parameter	Type	Description and samples
taskId	integer Mandatory	ID of the process obtained from getExtraction response. Sample: 64625447
key	string Mandatory	Fill with the key obtained from the username profile https://cordis.europa.eu/about/api/[lang]

Table 5: deleteExtraction parameters

4.4.2. Sample call

Params:

Parameter	Input
taskId	64625447
Key	123azerty456789

Generated call:

```
https://cordis.europa.eu/api/dataextractions/deleteExtraction?taskId=64625447&key=123azerty456789
```

4.4.3. Sample Response

The response will be sent in JSON format. It will return a message to the user saying the extraction was deleted. A new extraction can be sent just after this is received.

Sample:

```
{
  "status": true,
  "payload": {
    "taskId": 64625450,
    "progress": "Deleted",
    "query": "contenttype='project' AND (programme/code='H2020') AND 'biology'",
    "message": "Your extraction was deleted correctly"
  }
}
```

4.5. GET /api/dataextractions/listExtractions

This endpoint is used to return the list of all the extractions and their status for a given user / key.

4.5.1. Input parameters

Parameter	Type	Description and samples
key	string Mandatory	Fill with the key obtained from the username profile https://cordis.europa.eu/about/api/[lang]

4.5.2. Sample call

Params:

Parameter	Input
Key	123azerty456789

Generated call:

```
https://cordis.europa.eu/api/dataextractions/listExtractions?key=123azerty456789
```

4.5.3. Sample Response

The response will be sent in JSON format.

Sample:

```
{
  "status": true,
  "payload": {
    result: [
      {
        "taskID": 64625448,
        "destinationFileUri": "",
        "progress": "Ongoing",
        "query": "contenttype='project' AND (programme/code='H2020') AND 'biology'",
        "numberOfRecords": "",
        "numberOfRecordsEstimated": "3071",
        "numberOfProcessedRecords": "675",
        "remainingTime": "00:15:22",
        "averageSpeed": "0.4s/record"
      },
      {
        "taskID": 64625447,
        "destinationFileUri": "https://destinationfile",
        "progress": "Finished",
        "query": "contenttype='project' AND (programme/code='H2020') AND 'biology'",
        "numberOfRecords": "3071",
        "numberOfRecordsEstimated": "3089",
        "numberOfProcessedRecords": "3071",
        "remainingTime": "00:00:00",
        "averageSpeed": ""
      }
    ]
  }
}
```

5. ANNEX: DATA STRUCTURE OF EXPORTED FILES

CORDIS data is natively structured in **XML** format. Each field is represented by an xPath. Each XML contains a block of main content fields and below there is a block of relations to other content including associations (links to other content) and categories (classification of content based on taxonomies and lists). The following tables explain the CORDIS data structure of the **CSV and XLSX** files generated by the data export. **JSON** format is equivalent to CSV and XLSX (each column is a key).

XML format samples can be obtained directly from the CORDIS website by adding the parameter XML to any item view URL, such as:

- Project sample: <https://cordis.europa.eu/project/id/660362/en?format=xml>
- Programme/topic sample: https://cordis.europa.eu/programme/id/H2020_SC5-06-2014/en?format=xml
- Article sample: <https://cordis.europa.eu/article/id/118266-designs-for-lhc-upgrade-present-hitech-opportunities/en?format=xml>
- Result sample: https://cordis.europa.eu/result/id/660362_PS/en?format=xml

5.1. Projects

The project extraction is composed of at least two files (plus the log file): projects and organisations. Comprehensive information about related legalBasis, topics, webLinks, webItems and euroSciVoc ¹taxonomy will be listed in additional files.

The CSV format will include double quote (“ ”) for each field and semicolon (“;”) to avoid parsing problems. The CSV will be delivered without BOM because it is more friendly to process for machines. This can create troubles when opening CSV from MS Office, for this use we recommend using the XLSX extractions which have the same structure.

FIELD	XML XPATH	DESCRIPTION
id	/project/id	Project identifier
acronym	/project/acronym	Project acronym

¹ <https://op.europa.eu/en/web/eu-vocabularies/euroscivoc>

status	/project/status	Status of the project (Ongoing, Closed or Terminated)
title	/project/title	Title of the project
startDate	/project/startDate	Start date of the project
endDate	/project/endDate	End date of the project
ecSignatureDate	/project/ecSignatureDate	Date of the signature of the grant agreement
totalCost	/project/totalCost	Total cost of the project
ecMaxContribution	/project/ecMaxContribution	Maximum contribution of the European Commission regarding the total cost
frameworkProgramme	/project/relations/associations/programme[@type='relatedLegalBasis']/frameworkProgramme	Framework Programme of the project (FP1, FP2, FP3, FP4, FP5, FP6, FP7, Horizon 2020, Horizon Europe)
masterCall	/project /relations/associations/call[@type='relatedMasterCall']/identifier	Code of the master call for tender
subCall	/project /relations/associations/call[@type='relatedSubCall']/identifier	Code of the subcall (below master call)
fundingScheme	/project /relations/categories/category[@classification='projectFundingSchemeCategory']/code	Funding Scheme of the project
legalBasis	/project /relations/associations/programme[@type='relatedLegalBasis']/code	Legal bases of the project (top level programme hierarchy), can be more than one
topics	/project /relations/associations/programme[@type='relatedTopic']/code	Topic of the call (low level programme hierarchy)
nature	/project /relations/categories/category[@classification='nature']/code	Editorial classification of the project according to its type
objective	/project /objective	Objective of the project
contentUpdateDate	/project/contentUpdateDate	Last update date of the project content
rcn	/project/rcn	Record Control Number in CORDIS

5.1.1. Organisation fields

FIELD	XML XPATH	DESCRIPTION
projectID	/project /id	Project Identifier
projectAcronym	/project /acronym	Project acronym
organisationID	/project /relations/associations/organization/id	Organisation Identifier
vatNumber	/project /relations/associations/organization/vatNumber	Organisation VAT number (format varies regarding country regulations)
order	/project/rerelations/associations/organization[@order]	Order of the organisation in the project description
role	/project/rerelations/associations/organization[@type]	Type of organisation
name	/project /relations/associations/organization/legalName	Legal name of the organisation
shortName	/project /relations/associations/organization/shortName	Short name of the organisation
SME	/project /relations/associations/organization[@sme]	Indicates the organisation is a Small or Medium Enterprise
activityType	/project /relations/categories/category[@classification='organizationActivityType'] [@type="relatedOrganizationActivityType']/code	Activity Type of the organisation
ecContribution	/project /relations/associations/organization[@ecContribution]	Gross funding received by the European Commission in the context of this project
netEcContribution	/project /relations/associations/organization[@netEcContribution]	Net funding received by the European Commission in the context of this project
totalCost	/project /relations/associations/organization[@totalCost]	Total Cost associated to the organisation in the context of this project
street	/project /relations/associations/organization/address/street	Address: street name
postCode	/project /relations/associations/organization/address/postalCode	Address: postal code
city	/project /relations/associations/organization/address/city	Address: city name

country	/project /relations/associations/organization/relation[region[@type='related region']]/euCode	Address: country code
nutsCode	/project /relations/associations/organization/relation[region[@type='relatedNutsCode']]/nutsCode	Address: NUTS code (see more here)
geolocation	/project /relations/associations/organization/address/geolocation	Address: geolocation coordinates
organizationUrl	/project /relations/associations/organization/address/url	Organisation web page
endOfParticipation	/project /relations/associations/organization[@terminated]	Date in which the organisation ceased to be part of the project
active	/project /relations/associations/organization[@active]	Active false is indicated for those organisations that have terminated the participation in the project
contactForm	/project/relation/associations/organization/id + /project/id	URL to the contact form on the Funding & Tender Opportunities portal: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/contact-form/PROJECT/[organizationPIC]/[projectID]
contentUpdateDate	/project/contentUpdateDate	Latest update date of the project
rcn	/project/relation/associations/organization/rcn	Record Control Number in CORDIS

5.1.2. Legal Basis (high-level associated programme)

FIELD	XML XPATH	DESCRIPTION
projectID	/project/id	Project identifier
legalBasis	/project/relation/associations/programme[@type=relatedLegalBasis]/code	Legal base code
title	/project/relation/associations/programme[@type=relatedLegalBasis]/title	Legal base title

mainProgramme	/project/rerelations/associations/programme[@uniqueProgrammePart=true]/code	If true indicates that the legal basis is the main funding programme of the project
---------------	---	---

5.1.3. Topics (detail-level associated programme)

FIELD	XML XPATH	DESCRIPTION
projectID	/project/id	Project identifier
topic	/project/rerelations/associations/programme[@type=relatedTopic]/code	Topic code
title	/project/rerelations/associations/programme[@type= relatedTopic]/title	Topic title

5.1.4. EuroSciVoc categorisation ([taxonomy](#) used to categorise projects in research fields)

FIELD	XML XPATH	DESCRIPTION
projectID	/project/id	Project identifier
euroSciVocCode	/project/rerelations/categories/category[@classification='euroSciVoc' and @type='isInFieldOfScience']/code	Category code inside euroSciVoc taxonomy
euroSciVocPath	/project/rerelations/categories/category[@classification='euroSciVoc' and @type='isInFieldOfScience']/displayCode	Category path inside euroSciVoc taxonomy
euroSciVocTitle	/project/rerelations/categories/category[@classification='euroSciVoc' and @type='isInFieldOfScience']/title	Category title inside euroSciVoc taxonomy

5.1.5. Weblink fields

Weblinks are URLs associated to a project or its results, such as the project website.

FIELD	XML XPATH	DESCRIPTION
Id	project/rerelations/associations/[*/webLink/id	Weblink identifier

projectID	/project/id	Associated project identifier
url	project/relations/associations[/]/webLink/physUrl	URL of the link. These include both weblinks directly linked to a project and also to associated their results. This field can be in multiple languages but generally it's only in EN
type	project/relations/associations[/]/webLink[@type]	Type of weblink
represents	project/relations/associations[/]/webLink[@represents]	Indicates which content is represented by the link
source	project/relations/associations[/]/webLink[@source]	Indicates if it comes from CORDA (DG Research repository coming from grant agreements) or if it's editorial (content written by journalists about the project)
availableLanguages	project/relations/associations[/]/webLink/availableLanguages	Available languages of the weblink
status	project/relations/associations[/]/webLink/status	Status of the weblink: valid, invalid (broken or hijacked), legacy (archived, not maintained) and webArchive (the link points to a web archive site and displays how was the site time ago).
isArchived	project/relations/associations[/]/webLink/archivedDate	Indicates if the link is archived. True if the node exist, by default false

5.1.6. WebItem fields

WebItems represent media associated to the project (images, video, etc.)

FIELD	XML XPATH	DESCRIPTION
projectID	/project/id	Project identifier
uri	project/relations/associations[/]/webItem/uri	URI identifier

language	project/relations/associations[/*/webItem /availableLanguages	Language of the web item
availableLanguages	project/relations/associations[/*/webItem /availableLanguages	Available languages of the web item
type	project/relations/associations[/*/webItem [@type]	Type of the web item
title	project/relations/associations[/*/webItem /title	Title (caption) of the web item
source	project/relations/associations[/*/webItem [@source]	Indicates if it comes from CORDA (DG Research repository coming from grant agreements) or if it's editorial (content written by journalists about the project)
represents	project/relations/associations[/*/webItem [@represents]	Indicates which content is represented by the web item

5.2. Programmes: topics and legal bases

Legal bases represent the top level hierarchy of the funding structure while topics represent the detailed level. They can be consulted in the [Funding and Tender portal](#).

FIELD	XML XPATH	DESCRIPTION
id	/programme/id	Programme identifier
language	/programme/language	Language of the programme description (normally EN)
Code	/programme/code	Programme code
startDate	/programme/startDate	Programme start date
endDate	/programme/endDate	Programme end date
title	/programme/title	Programme title
shortTitle	/programme/shortTitle	Programme short title
objective	/programme/objective	Programme objective
keywords	/programme/relations/categories/category[@classification='topicKeyword']/title	Important words linked to the project objective

frameworkProgramme	/programme/frameworkProgramme	Framework Programme (top hierarchy level) of the programme
parentProgramme	/programme/parent/code	Parent programme in the programme hierarchy
legalBasis	/programme/relations/associations/programme[@type="relatedLegalBasis"]/code	It applies only for topics (low-level hierarchy). It establishes the connection with one or more legal bases.
call	/programme/relations/associations/call[@type='relatedCall']/identifier	Related call for tender of the topic
contentUpdateDate	/programme/contentUpdateDate	Last update date of the content
rcn	/programme/rcn	Record Control Number in CORDIS

5.3. Article: news and briefs

News represent news articles associated to a project or relevant research results. Results in brief are journalist summaries of the project results.

FIELD	XML XPATH	DESCRIPTION
id	/article/id	Article identifier
language	/article/language	Language of the article (normally six languages, DE, EN,ES,FR,IT,PL)
title	/article/title	Title of the article
teaser	/article/teaser	Teaser (short description) of the article
article	/article/body/section/sectionBody	Article main text
collection	/article/relations/categories/category[@classification='collection']/title	Editorial collection (news, briefs)
applicationDomain	/article/relations/categories/category[@classification='applicationDomain']/title	Main scientific domain of the article
nature	/article/relations/categories/category[@classification='nature']/title	Classification of the article according to journalistic domains
projectID	/article/relations/associations/project[@type=relatedProject]/id/	Project identifier (if the article is associated to a project)

projectAcronym	/article/relations/associations/project[@type=relatedProject/acronym	Project acronym (if the article is associated to a project)
contentUpdateDate	/article/contentUpdateDate	Last update date of the content
rcn	/article/rcn	Record Control Number in CORDIS

Note: there will be a row per Result in Brief language.

5.4. Results: Report summaries extraction

Report summaries are official result deliverables linked to the grant agreement. They can be partial or final depending on the project progress.

FIELD	XML XPATH	DESCRIPTION
id	/result/id	Report Summary of the result
title	/result/title	Report Summary title
projectID	/result/relations/associations/project[@type=relatedProject/id	Associated project identifier
projectAcronym	/result/relations/associations/project[@type=/relatedProject/acronym	Acronym of the associated project
attachment	/result/relations/associations/webItem[@relatedResultAttachment]/uri	Report summary attachment URI (if any)
contentUpdateDate	/result/contentUpdateDate	Last update date of the content
rcn	/result/rcn	Record Control Number in CORDIS

5.5. Results: project publications

Project publications are external links to papers or research articles linked to the project topic.

FIELD	XML XPATH	DESCRIPTION
id	/result/id	Project publication identifier
title	/result/title	Project publication title
isPublishedAs	/result/relations/categories/category[@classification='projectPublication']/title	Project publication type

authors	/result/details/authors	Project publication authors
journalTitle	/result/details/journalTitle	Project publication title
journalNumber	/result/details/journalNumber	Project publication number
publishedYear	/result/details/publishedYear	Project publication year
publishedPages	/result/details/publishedPages	Project publication pages
issn	/result/identifiers/issn	Project publication ISSN
Isbn	/result/identifiers/isbn	Project publication ISBN
doi	/result/identifiers/doi	Project publication DOI
projectID	/result/rerelations/associations/project[@type=/relatedProject/id	Project identifier associated with the project
projectAcronym	/result/rerelations/associations/project[@type=/relatedProject/acronym	Project acronym associated with the project
collection	/result/rerelations/categories/category[@classification='collection']/title	Collection of the project publication
contentUpdateDate	/result/contentUpdateDate	Last update date of the content
rcn	/result/rcn	Record Control Number in CORDIS

5.6. Results: Project deliverables

Project deliverables are official documents linked to the grant agreement.

FIELD	XML XPATH	DESCRIPTION
id	/result/id	Project deliverable identifier
title	/result/title	Project deliverable title
deliverableType	/result/rerelations/categories/category[@classification='deliverableType']/title	Project deliverable type
description	/result/description	Project deliverable description
projectID	/result/rerelations/associations/project[@type='relatedProject']/id	Associated project identifier
projectAcronym	/result/rerelations/associations/project[@type=/relatedProject/acronym	Associated project acronym
url	/result/rerelations/associations/webLink[@type=projectDeliverable]/physUrl	Associated project URL
collection	/result/rerelations/categories/category[@classification='collection']/title	Collection of the project deliverable

contentUpdateDate	/result/contentUpdateDate	Last update date of the content
rcn	/result/rcn	Record Control Number in CORDIS