

# Sherpa Legacy API Documentation

The Sherpa APIs (application programming interfaces) provide access to the functionality and datasets that Sherpa Services operate across.

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## Metadata Schema

This section provides documentation for the JSON objects returned by Sherpa APIs. This is intended to be used as reference for developers while building against our APIs.

### Phrases

Phrases for discrete value are included in the JSON returned by the API. The general pattern is that phrases appear in the same scope, with the same name as the field with a '\_phrases' suffix. For example:

```
{
  "colour" : "blue",
  "colour_phrases" : [
    {
      "value" : "blue",
      "phrase" : "Blue",
      "language" : "en"
    }
  ],
  "person" : {
    "name" : "John Smith",
    "clothing" : ["tshirt", "jeans"],
    "clothing_phrases" : [
      {
        "value" : "tshirt",
        "phrase" : "T-Shirt",
        "language" : "en"
      },
      {
        "value" : "jeans",
        "phrase" : "Jeans",
        "language" : "en"
      }
    ]
  }
}
```

**Notes:**

- Only English is currently supported, but there is scope for further language support.
- If a field does not have an associated `_phrases`, then it is a text, numeric or object type.
- Ordering of names in a JSON object is not defined. Be aware that an `_phrases` array may not be adjacent to its associated field.

## Primary Objects

**Notes:**

- For brevity, `_phrase` elements are omitted.
- Preferred names and titles are generated automatically from the name and title fields to simplify objects in some contexts.
- Empty values should not be included. If something is missing, it's probably because it's not set.

## Common to all types

All types have a 'system\_metadata' section with the following fields:

```
{
  "id": "integer: the Sherpa id of this object",
  "publicly_visible": "value("yes","no"): Is this object publicly visible?",
  "date_created": "date: the date this object was first created",
  "date_modified": "date: the date this object was last modified",
  "uri": "URL: the identity address of this object"
}
```

## Funder

The Funder data object contains an array of objects:

- system\_metadata
- funder\_metadata
- open\_access\_publications\_policy
- open\_access\_publications\_policy

### funder\_metadata:

```
{
  "id": "Integer: the Sherpa ID for this item",
  "name": [
    {
      "name": "text: the name of the funder",
      "acronym": "text: a short-form for the name",
      "preferred": "value('name', 'acronym'): which is preferred",
      "language": "value(two-letter language code): the language of this value. Note that this is a multilingual field and should only have one entry per language.",
      "url": "URL: the url of the funder",
      "country": "value(two letter country code): the country of the funder",
      "notes": "text: notes about the funder record"
    }
  ],
  "groups": [
    {
      "name": "text: the preferred name of the funder",
      "uri": "URL: the Sherpa address of the funder group",
      "id": "integer: The Sherpa id of the funder group",
      "type": "value('funder_group'): included for system reasons"
    }
  ],
  "identifiers": [
    {
      "identifier": "text: the identifier",
      "type": "value('fundref', 'ror', 'other'): the identifier type"
    }
  ]
}
```

## open\_access\_publications\_policy:

```
{
  "urls": [
    {
      "description": "text: Description of the document linked to",
      "type": "value('policy', 'statement', 'guidance', 'information')",
      "url": "URL: the address of the document"
    }
  ],
  "scope": [
    "applies_to_funded_projects",
    "applies_to_work_using_facilities"
  ],
  "special_conditions": [
    "array of text: Free-text conditions (things that don't fit easily into the
      data model)"
  ],
  "notes": "text: notes about the policy",
  "policy_effective_data": {
    "for_new_projects": "date: date for new projects",
    "for_existing_projects": "date: date for existing projects",
    "earlier_compliance_encouraged": "value('yes','no')"
  },
  "archiving_policy": {
    "requirement": "value('requires', 'encourages', 'does_no_mention',
      'no_policy_for')",
    "conditions": [
      "respect_publisher_rights",
      "author_oa_copyright_retention_required",
      "author_copyright_retention_encouraged",
      "include_publisher_url",
      "archive_revisions"
    ]
  },
  "special_conditions": [
    "array of text: Free-text conditions (no option exists in conditions)"
  ],
  "license": [
    {
      "license": "value('cc_by_nd', 'cc_by', 'cc_by_nc', 'cc_by_nc_nd',
        'cc_by_nc_sa', 'cc_by_sa', 'cc0', 'cc_public_domain', 'cc_gnu_gpl',
        'cc_gnu_lgpl', 'open_government_licence', 'all_rights_reserved',
        'bespoke_license')",
      "version": "text: the license version",
    }
  ]
}
```

```

    "applies": "value('to_all', 'when_paid_oa', 'when_not_paid_oa',
    'when_oa_journal')"
  }
],
"what": {
  "types": [
    "conference_papers",
    "executive_summaries",
    "unspecified_documents",
    "peer_reviewed_publications",
    "any_publications",
    "project_reports",
    "public_summaries"
  ],
  "versions": [
    {
      "version": "value('publishers_version', 'authors_final_version',
      'full_text', 'unspecified_version', 'link_to_oa_full_text',
      'metadata_only')",
      "requirement": "value('required', 'alternative', 'preferred',
      'optional', 'example', 'forbidden')"
    }
  ]
},
"when": {
  "when": "value('at_earliest_opportunity', 'on_acceptance',
  'on_publication', 'after_publisher_embargo', 'unspecified')"
},
"within": {
  "start": "value('on_acceptance', 'on_publication', 'unspecified')",
  "amount": "integer: the amount of the period",
  "units": "value('days', 'weeks', 'months', 'years')"
},
"permitted_embargo": {
  "amount": "integer: the amount of the embargo",
  "units": "value('days', 'weeks', 'months', 'years')"
},
"metadata_deposit_at_date_of_publication_required": "value('yes','no')",
"where": {
  "location": [
    {
      "location": "value('author_website', 'institutional_repository',
      'national_repository', 'disciplinary_repository',
      'any_appropriate_repository', 'named_repository', 'unspecified')",
      "constraint": "value('required', 'alternative', 'preferred',
      'optional', 'example', 'forbidden')"
    }
  ]
}

```

```
],
"named_repositories": [
  {
    "name": "text: the name of the location",
    "url": "URL: the url of the location",
    "constraint": "value('required', 'alternative', 'preferred',
'optional', 'example', 'forbidden')",
  }
]
},
"publishing_policy": {
  "requirement": ["requires", "encourages", "does_no_mention",
"no_policy_for"],
  "where": {
    "location": ["peer_reviewed_oa_journal", "paid_oa", "unspecified"],
    "constraint": ["required", "alternative", "preferred", "optional",
"example", "forbidden"],
    "conditions": ["published_version_archiving", "funder_may_reimburse",
"costs_in_application"],
    "special_conditions": ["Free-text conditions (no option exists in
conditions)"]
  },
  "publisher_must_deposit": [
    {
      "version": ["publishers_version", "authors_final_version"],
      "location": ["pubmed_central", "europe_pmc"],
      "applies": ["when_paid_oa", "when_not_paid_oa"]
    }
  ]
}
}
```



## open\_access\_data\_archiving\_policy:

```
{
  "requirement": "value('requires', 'encourages', 'does_no_mention',
    'no_policy_for')",
  "scope": [
    "value('applies_to_funded_projects', 'applies_to_work_using_facilities')",
  ],
  "where": {
    "location": [
      {
        "location": "value('author_website', 'institutional_repository',
          'national_repository', 'disciplinary_repository',
          'any_appropriate_repository', 'named_repository', 'unspecified')",
        "constraint": "value('required', 'alternative', 'preferred',
          'optional', 'example', 'forbidden')",
      }
    ],
    "named_repositories": [
      {
        "name": "text",
        "url": "URL",
        "constraint": "value('required', 'alternative', 'preferred',
          'optional', 'example', 'forbidden')",
      }
    ]
  },
  "what": [
    "value('unpublished_data', 'research_data', 'specimens_and_samples',
      'patented_inventions', 'metadata', 'documentation', 'source_code',
      'unspecified')",
  ],
  "urls": [
    {
      "description": "text",
      "type": "value('policy', 'statement', 'guidance', 'information')",
      "url": "URL"
    }
  ],
  "when": {
    "when": "value('at_earliest_opportunity', 'on_completion',
      'on_publication', 'unspecified')",
    "following_project_completion": {
      "amount": "integer",
      "units": "value('days', 'weeks', 'months', 'years')",
    }
  }
}
```

```
    }  
  },  
  "policy_effective_data": {  
    "for_new_projects": "date",  
    "for_existing_projects": "date",  
    "earlier_compliance_encouraged": "value('yes','no')"  
  },  
  "special_conditions": [  
    "text"  
  ],  
  "access_cost": "value('free_access', 'nonprofit_cost_recovery')"  
}
```

## Funder Group

### funder\_group\_metadata

```
{
  "id": "Integer: the Sherpa ID for this item",
  "name": [
    {
      "name": "text: the name of the group",
      "acronym": "text: a short-form for the name",
      "preferred": "value('name', 'acronym'): which is preferred",
      "language": "value(two-letter language code): the language of this
value"
    }
  ],
  "url": "URL: the url of the funder group",
  "country": "value(two letter country code): the country of the funder group",
  "description": "text: description",
  "notes": "text: notes about the funder group record"
}
```

### funders

```
{
  "id": "integer: the Sherpa ID of the funder",
  "name": "text: the preferred name of the funder",
  "uri": "URL: the address within Sherpa of the funder",
  "type": "value('funder'): the object type"
}
```

## **publisher**

```
{
  "id": "Integer: the Sherpa ID for this item",
  "name": [
    {
      "name": "text: the name of the publisher",
      "acronym": "text: a short-form for the name",
      "preferred": "value('name', 'acronym'): which is preferred",
      "language": "value(two-letter language code): the language of this
value"
    }
  ],
  "url": "URL: the url of the publisher",
  "identifiers": [
    {
      "identifier": "text: the identifier",
      "type": "value('ror', 'other'): the identifier type"
    }
  ],
  "country": "value(two letter country code): the country of the publisher",
  "notes": "text: notes about the publisher record",
  "imprint_of": {
    "id": "integer: the Sherpa ID of the imprint",
    "name": "text: the name of the imprint",
    "url": "URL: the url of the imprint",
    "country": "value(two letter country code): the country of the imprint",
    "notes": "text: notes about the imprint record",
    "imprint_of_id": "integer: the Sherpa ID of the parent publisher",
    "imprints_id": "integer: the Sherpa ID of the imprints",
    "publication_count": "integer: the number of publication records in Sherpa
for this imprint",
    "uri": "URL: the address within Sherpa of the imprint"
  },
  "imprints": [
    {
      "id": "integer: the Sherpa ID of the imprint",
      "name": "text: the name of the imprint",
      "url": "URL: the url of the imprint",
      "country": "value(two letter country code): the country of the
imprint",
      "notes": "text: notes about the imprint record",
      "imprint_of_id": "integer: the Sherpa ID of the parent publisher",
      "imprints_id": "integer: the Sherpa ID of the imprints",
      "publication_count": "integer: the number of publication records in
Sherpa for this imprint",
    }
  ]
}
```

```
        "uri": "URL: the address within Sherpa of the imprint"
    }
],
"policies": [
    {
        "id": "integer: the Sherpa ID of the policy",
        "internal_moniker": "text: internal moniker for the policy",
        "publication_count": "integer: the number of publication records in
Sherpa for this policy",
        "permitted_oa": "value('yes', 'no'): whether open access is permitted",
        "urls": [
            {
                "description": "text: description of the document linked to",
                "type": "value('policy', 'statement', 'guidance',
'information'): the type of document",
                "url": "URL: the address of the document"
            }
        ],
        "open_access_prohibited": "value('yes', 'no'): whether open access is
prohibited",
        "uri": "URL: the address within Sherpa of the policy"
    }
],
"publication_count": "integer: the number of publication records in Sherpa for
this publisher",
"publications": [
    {
        "id": "integer: the Sherpa ID of the publication",
        "title": "text: the title of the publication",
        "issns": [
            "text: the ISSNs of the publication"
        ],
        "type": "value('journal', 'book', 'conference_proceeding', 'other'):
the type of publication",
        "uri": "URL: the address within Sherpa of the publication"
    }
]
}
```

## **publisher\_policy**

```
{
  "id": "integer: the ID of the object",
  "internal_moniker": "text: a name used internally by Sherpa's editorial team",
  "urls": [
    {
      "url": "URL: a policy url",
      "description": "text: description"
    }
  ],
  "open_access_prohibited": "value('yes','no'): does the policy prohibit Open Access?",
  "notes": "text: notes about the policy",
  "contributors": [
    "text: organisations and people that assisted with the curation of this policy record"
  ],
  "publisher": {
    "id": "integer",
    "name": "text",
    "url": "URL",
    "country": "value(two letter country code)",
    "notes": "text",
    "imprint_of_id": "integer",
    "imprints_id": "integer",
    "publication_count": "integer",
    "uri": "URL"
  },
  "publication_count": "integer: the number of publications this policy is attached to",
  "publications": [
    {
      "id": "integer",
      "title": ["array of title objects"],
      "issns": ["array of issn objects"],
      "type": "value('journal', 'book', 'conference_proceeding', 'other')",
      "uri": "URL"
    }
  ],
  "permitted_oa": [
    {
      "id": "integer: the Sherpa ID for this item",
      "prerequisites": {
        "prerequisites": [

```

```

        "value('requires_publisher_permission',
'when_required_by_funder', 'when_required_by_law',
'when_required_by_institution', 'when_research_article')"
    ],
    "prerequisite_funders": [
        {
            "funder_metadata": {
                "id": "integer",
                "name": "text",
                "url": "URL",
                "country": "value(two letter country code)",
                "description": "text",
                "notes": "text",
                "groups": "array of objects",
                "identifiers": "array of objects"
            },
            "system_metadata": {
                "id": "integer",
                "uri": "URL"
            }
        }
    ],
    "prerequisite_subjects": [
        "text"
    ]
},
"article_version": [
    "value('submitted','accepted','published')"
],
"location": {
    "location":
        // Note that 'this_journal' refers to an Open Access Route provided
        by the journal itself (open-access publishing). When comparing a location
        against a policy, bear in mind that some values may match other, e.g.: an
        institutional_repository may be a non_commercial_repository if
        any_website is set, any location is permitted
        [
            "value('academic_social_network', 'any_repository',
'any_website', 'authors_homepage', 'funder_designated_location',
'institutional_repository', 'institutional_website',
'named_academic_social_network', 'named_repository',
'non_commercial_institutional_repository', 'non_commercial_repository',
'non_commercial_social_network', 'non_commercial_subject_repository',
'non_commercial_website', 'preprint_repository', 'subject_repository',
'this_journal')"
        ],
    "named_repository": [

```

```

        "array of text: named repositories that are permitted. used if
'named_repository' is selected"
    ],
    "named_academic_social_network": [
        "array of text: named social networks that are permitted. used
if 'named_academic_social_network' is selected"
    ]
},
"embargo": {
    "amount": "integer",
    "units": "value('days', 'weeks', 'months', 'years')"
},
"copyright_owner": "value('authors', 'authors_institution', 'journal',
'learned_society', 'publishers', 'shared_authors_and_journal',
'shared_authors_and_learned_society', 'shared_authors_and_publishers',
'shared_authors_and_authors_institution')",
"license": [
    {
        "license": "value",
        "licence_phrases": [
            {
                "value": "text",
                "language": "value(two-letter language code)",
                "phrase": "text"
            }
        ]
    }
],
"additional_oa_fee": "value('yes','no')",
"conditions": [
    "text"
],
"publisher_deposit":
    // Note the location(s) the publisher will automatically deposit the
article into.
    [
        {
            "repository_metadata": {
                "name": "text",
                "type": "value",
                "description": "text",
                "notes": "text",
                "url": "URL"
            },
            "system_metadata": {
                "id": "integer",
                "uri": "URL"
            }
        }
    ]
}

```



```

        }
      }
    ],
    "public_notes": "text: notes about this permitted_oa"
  }
],
"workflow_dates": {
  "publisher_last_contacted": "date: when the editorial team last contacted
the publisher",
  "policy_last_reviewed": "date: when the editorial team last reviewed the
policy"
}
}

```

## publication

```

{
  "id": "integer: the Sherpa ID for this item",
  "title": [
    {
      "title": "text: the title of the publication",
      "acronym": "text: a short-form for the title",
      "preferred": "value('title', 'acronym'): which is preferred",
      "language": "value(two-letter language code): the language of this
value"
      // Note that this is a multilingual field and should only have one
entry per language.
    }
  ],
  "issns": [
    {
      "type": "value('print','electronic','legacy'): the type of the issn",
      "issn": "text: the issn of the publication"
    }
  ],
  "type": "value('journal', 'conference_proceedings', 'monographic_series'): the
type of the publication",
  "notes": "text: notes about the publication record",
  "url": "URL: the url of the publication",
  "listed_in_doaj": "value('yes','no'): is the publication listed in DOAJ",
  "tj_status": [
    "value('plan_s_approved','jisc_approved'): set when a publication is a
transformative journal approved by Plan S and/or Jisc"
  ],
  "tj_status_phrases": [

```

```

    {
      "language": "two letter language code",
      "phrase": "value('Plan S Approved','Jisc Approved')",
      "value": "value('plan_s_approved','jisc_approved')"
    }
  ],
  "listed_in_doaj_phrases": [
    {
      "phrase": "Yes",
      "language": "en",
      "value": "yes"
    }
  ],
  "publishers": [
    {
      "relationship_type": "value('university_publisher', 'commercial_publisher',
        'society_publisher', 'government_publisher', 'other')",
      "relationship_type_phrases": [
        {
          "language": "two letter language code",
          "phrase": "text: the phrase",
          "value": "value('university_publisher', 'commercial_publisher',
            'society_publisher', 'government_publisher', 'other')"
        }
      ],
      "publisher": {
        "id": "integer: the Sherpa ID of the publisher",
        "name": "text: the title of the publisher",
        "issns": [
          "text: the ISSNs of the publisher"
        ],
        "type": "text",
        "uri": "URL: the address within Sherpa of the publisher",
        "imprint_of_id": "integer: the Sherpa ID of the parent publisher",
        "publication_count": "integer: the number of publication records in
        Sherpa for this publisher",
        "country": "value(two letter country code): the country of the
        publisher",
        "country_phrases": [
          {
            "value": "two letter country code",
            "language": "two letter language code",
            "phrase": "text: the country phrase"
          }
        ]
      }
    }
  ],
},
},

```

```

],
"publisher_policy": [
  {
    "id": "integer: the Sherpa ID of the policy",
    "internal_moniker": "text: internal moniker for the policy",
    "publication_count": "integer: the number of publication records in
Sherpa for this policy",
    "permitted_oa": [
      {
        "article_version_phrases": [
          {
            "language": "two letter language code",
            "phrase": "text: the phrase",
            "value": "text: the value"
          }
        ],
        "copyright_owner": "text: the owner of the copyright",
        "license": [
          {
            "license_phrases": [
              {
                "phrase": "text: the license phrase",
                "language": "en",
                "value": "text: the license value"
              }
            ],
            "version": "text: the license version",
            "license": "text: the license type"
          }
        ],
        "additional_oa_fee": "value('yes', 'no'): whether an additional
OA fee is required",
        "copyright_owner_phrases": [
          {
            "language": "two letter language code",
            "phrase": "text: the copyright owner phrase",
            "value": "text: the copyright owner value"
          }
        ],
        "location": {
          "location_phrases": [
            {
              "language": "two letter language code",
              "phrase": "text: the location phrase",
              "value": "text: the location value"
            }
          ]
        }
      }
    ],

```

```

        "location": [
            "text: the location value"
        ]
    },
    "id": "integer: the Sherpa ID of the permitted OA",
    "article_version": [
        "text: the article version"
    ],
    "additional_oa_fee_phrases": [
        {
            "language": "two letter language code",
            "phrase": "text: the additional OA fee phrase",
            "value": "text: the additional OA fee value"
        }
    ],
    "conditions": [
        "text: conditions for OA"
    ]
}
],
"urls": [
    {
        "description": "text: description of the document linked to",
        "type": "value('policy', 'statement', 'guidance',
'information'): the type of document",
        "url": "URL: the address of the document"
    }
],
"open_access_prohibited": "value('yes', 'no'): whether open access is
prohibited",
"open_access_prohibited_phrases": [
    {
        "language": "two letter language code",
        "phrase": "text: the phrase",
        "value": "value('yes', 'no')"
    }
],
"uri": "URL: the address within Sherpa of the policy"
}
]
}

```

## repository

### repository\_metadata

object: core metadata for this repository

```
{
  "name": [
    {
      "name": "text: the name of the repository",
      "acronym": "text: a short-form for the name",
      "preferred": "value('name', 'acronym'): which is preferred",
      "language": "value(two-letter language code): the language of this value"
      // Note that this is a multilingual field and should only have one entry per language.
    }
  ],
  "type": "value('undetermined', 'institutional', 'disciplinary', 'aggregating', 'governmental'): the type of repository",
  "notes": "text: additional information about the repository",
  "url": "URL: the url of the repository",
  "oai_url": "URL: the url of the primary OAI interface",
  "software": {
    "name": "text: the name of the software",
    "version": "text: the version of the software",
    "notes": "text: additional information about the software"
  },
  "content_types": [
    "value('journal_articles', 'bibliographic_references', 'conference_and_workshop_papers', 'theses_and_dissertations', 'unpub_reports_and_working_papers', 'books_chapters_and_sections', 'datasets', 'learning_objects', 'software', 'patents', 'other_special_item_types')"
    // Note that the content types may be reviewed in the future and are subject to change.
  ],
  "content_type_phrases": [
    {
      "language": "two letter language code",
      "phrase": "text: the phrase",
      "value": "value('journal_articles', 'bibliographic_references', 'conference_and_workshop_papers', 'theses_and_dissertations', 'unpub_reports_and_working_papers', 'books_chapters_and_sections', 'datasets', 'learning_objects', 'software', 'patents', 'other_special_item_types')"
```

```

    }
  ],
  "content_subjects": [
    "Multidisciplinary",
    "Science General",
    "Agriculture, Food and Veterinary",
    "Biology and Biochemistry",
    "Chemistry and Chemical Technology",
    "Earth and Planetary Sciences",
    "Ecology and Environment",
    "Mathematics and Statistics",
    "Physics and Astronomy",
    "Health and Medicine",
    "Technology General",
    "Architecture",
    "Civil Engineering",
    "Computers and IT",
    "Electrical and Electronic Engineering",
    "Mechanical Engineering and Materials",
    "Arts and Humanities General",
    "Fine and Performing Arts",
    "Geography and Regional Studies",
    "History and Archaeology",
    "Language and Literature",
    "Philosophy and Religion",
    "Social Sciences General",
    "Business and Economics",
    "Education",
    "Law and Politics",
    "Library and Information Science",
    "Management and Planning",
    "Psychology"
  ],
  "content_subject_phrases": [
    {
      "language": "two letter language code",
      "phrase": "text: the phrase",
      "value": "text: the value"
    }
  ],
  "metadata_record_count": "integer: the number of records in the repository
    (with or without a document attached)",
  "full_text_record_count": "integer: the number of records in the repository
    with a document attached"
}

```

## organisation

object: the organisation responsible for this repository

```
{
  "name": [
    {
      "name": "text: the name of the organisation",
      "acronym": "text: a short-form for the name",
      "preferred": "value('name', 'acronym'): which is preferred",
      "language": "value(two-letter language code): the language of this
value",
      "preferred_phrases": [
        {
          "language": "two letter language code",
          "phrase": "text: the phrase",
          "value": "value('name', 'acronym')"
        }
      ]
      // Note that this is a multilingual field and should only have one
entry per language.
    }
  ],
  "url": "URL: the url of the organisation",
  "country": "value(two letter country code): the country of the organisation",
  "country_phrases": [
    {
      "value": "two letter country code",
      "language": "two letter language code",
      "phrase": "text: the country phrase"
    }
  ],
  "notes": "text: organisation notes"
}
```

## policies

object: repository policies. Note that this section is currently under review and may change soon.

## Object Retrieval API

The object retrieval API provides a machine interface for downloading object metadata.

The API endpoint is available at <https://v2.sherpa.ac.uk/cgi/retrieve>

### Examples

- `/cgi/retrieve?item-type=publication&api-key=YOUR-API-KEY&format=Json&limit=5&offset=10`
- `/cgi/retrieve?item-type=publisher&api-key=YOUR-API-KEY&format=Json&filter=[["country","equals","ca"]]`

### Parameters

Parameter Name	Required	Description	Type
item-type	Yes	The type of object to retrieve	set('funder', 'funder_group', 'repository', 'publisher', 'publisher_policy', 'publication')
api-key	Yes	Your API Key, part of your Sherpa user account	API Key
format	Yes	The format of the output	set('Json','Ids')



order	No	The order of the records	csv fieldnames, e.g. name,-id -- supports the same fields as filters (see below) with the option of a '-' being added to denote reversed direction
limit	No	The maximum number of records to retrieve. Cannot be greater than 100, and if unspecified, defaults to 100	integer between 0 and 100
offset	No	Combines with order and limit to give paging. The first record of the returned results set will be the N+1th record (indexing starts at 0)	Positive Integer
filter	No	A json array specifying filter conditions that must be matched in all returned results	Json encoded filter arrays (see below)

## More on Filters

The filter parameter is a JSON array containing up to three JSON arrays. Each of these arrays contain exactly three parts: a fieldname, a match operator and a value.

An example of a filter might be:

```
[["id","equals","57"]]
[["name","contains word","cancer"],["country","equals","ca"]]
[["date_modified","gte","2020-09-10T14:15:48Z"]]
```

The following Operators are supported:

equals	match a whole value
contains word	match a string that contains a word as defined in the value (note: this is not substring matching)
gte	Used for numeric and date types. Greater than or equal to.
lte	Used for numeric and date types. Less than or equal to.

## More on Dates

The following options for dates are supported:

Example	Description
2020	Specific Year
2020-07	Specific Month
2020-07-05	Specific Day

2020-07-05T14:15:48Z	ISO 8601 timestamp. Note that time zones are not supported, so 'Z' must be used.
----------------------	--

Fields available to filters (and ordering) are defined on a type-by-type basis:

## Funder(Juliet)

fields for funder	
name	synonym of name_name
name_name	the name (the name subfield of the name field)
acronym	synonym of name_acronym
name_acronym	the acronym (the acronym subfield of the name field)
country	The two-letter country code
funderid	synonym of id
id	the internal id of the item
date_modified	the date of last modification

## Publisher (Romeo)

fields for publisher	
name_name	the name (the name subfield of the name field)
name	synonym of name_name

name_acronym	the acronym (the acronym subfield of the name field)
acronym	synonym of name_acronym
country	The two-letter country code
id	the internal id of the item
publisherid	synonym of id
publication_count	the number of publications directly associated with the publisher
date_modified	the date of last modification

## Publisher Policy (Romeo)

fields for publisher_policy	
internal_moniker	the name we have assigned to this policy
contributors	names of people or organisations that have contributed to the curation of this record
open_access_prohibited	whether this policy prohibits Open Access
publication_count	the number of publications directly associated with the policy
id	the internal id of the item
publisher_policyid	synonym of id
date_modified	the date of last modification

## Publication (Romeo)

fields for publication	
title_title	the title (the title subfield of the title field)
title	synonym of title_title
title_acronym	the acronym (the acronym subfield of the title field)
acronym	synonym of title_acronym
issn	the issn of the publication
type	the type of the publication
publisher_id	the id of a publisher directly associated with the item
publisher_policy_id	the id of the publisher policy associated with the item
publicationid	synonym of id
id	the internal id of the item
date_modified	the date of last modification

## Repository (OpenDOAR)

fields for repository	
name	synonym of name_name
country	The two-letter country code
id	the internal id of the item
date_modified	the date of last modification

## Returned Data

Two formats are currently supported: Ids and Json. Ids will return plain text with an object ID on each line. As JSON, an object is containing the name-value pair of 'items' and an array of objects.

```
{
  "items" : [
    { ... },
    { ... },
    { ... },
    { ... },
    { ... }
  ]
}
```

The objects contained within the items array will be the results of your API query and will depend on the object type requested. Please see our [Metadata Schema](#) for a full description of the fields and value types of each object.

## Object Retrieval by ID API

The object retrieval by ID API provides a machine interface for downloading single object metadata using an identifier.

The API endpoint is available at [https://v2.sherpa.ac.uk/cgi/retrieve\\_by\\_id](https://v2.sherpa.ac.uk/cgi/retrieve_by_id)

### Examples

- `/cgi/retrieve_by_id?item-type=publication&api-key=YOUR-API-KEY&format=Json&identifier=1097-0142`
- `/cgi/retrieve_by_id?item-type=publication&api-key=YOUR-API-KEY&format=Json&identifier=6835`
- `/cgi/retrieve_by_id?item-type=publication&api-key=YOUR-API-KEY&format=Json&identifier=cancer`

### Parameters

Parameter Name	Required	Description	Type
item-type	Yes	The type of object to retrieve	set('funder', 'funder_group', 'repository', 'publisher', 'publisher_policy', 'publication')
api-key	Yes	Your API Key, part of your Sherpa user account	API Key

format	Yes	The format of the output	set('Json','Ids')
identifier	yes	The identifier of an object.	The numeric system ID of an object, or for publications, an issn or a case-insensitive title.

## Returned Data

Note that usually the API will only return a single object, but it's possible to get more than one for certain non-unique identifiers (e.g. publication titles).

Two formats are currently supported; Ids and Json. Ids will return plain text with an object ID on each line. As JSON, an object is containing the name-value pair of 'items' and an array of objects.

```
{
  "items" : [
    { ... },
    { ... },
    { ... },
    { ... },
    { ... }
  ]
}
```

The objects contained within the items array will be the results of your API query and will depend on the object type requested. Please see our [Metadata Schema](#) for a full description of the fields and value types of each object.



## Object IDs API

The object IDs API provides a fast, lightweight machine interface for downloading all ids (with associated last-modified dates) of objects of a given type.

The API endpoint is available at [https://v2.sherpa.ac.uk/cgi/object\\_ids](https://v2.sherpa.ac.uk/cgi/object_ids)

### Examples

```
- /cgi/object_ids?item-type=publication&api-key=YOUR-API-KEY
- /cgi/object_ids?item-type=funder&api-key=YOUR-API-KEY&limit=10&offset=20
```

### Parameters

Parameter Name	Required	Description	Type
item-type	Yes	The type of object to retrieve	set('funder', 'funder_group', 'repository', 'publisher', 'publisher_policy', 'publication')
api-key	Yes	Your API Key, part of your Sherpa user account	API Key
limit	No	The maximum number of records to retrieve. Cannot be greater than 5000, and if	integer between 0 and 5000

		unspecified, defaults to 5000	
offset	No	Combines with order and limit to give paging. The first record of the returned results set will be the N+1th record (indexing starts at 0)	Positive Integer

## Returned Data

Returns plain text lines consisting of the numeric ID of the object and the lastmod date, separated by a tab.

```

4      2020-01-29 15:25:29
5      2020-01-29 15:25:29
6      2020-01-29 15:25:29
7      2020-08-05 12:28:49
8      2020-01-29 15:25:29
9      2020-01-29 15:25:29
10     2020-02-21 09:02:46
11     2020-01-29 15:25:29
12     2020-01-29 15:25:29
13     2020-01-29 15:25:29

```