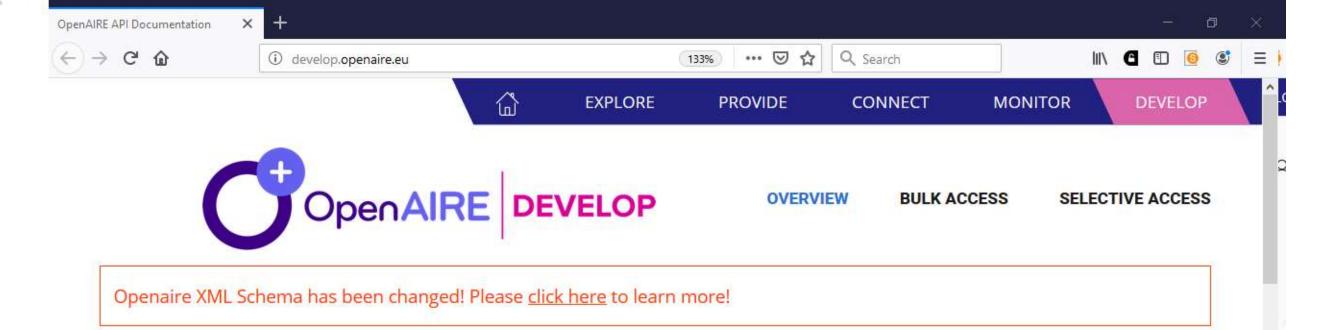
# OpenAIRE APIs

http://develop.openaire.eu









The OpenAIRE API allows developers to access the metadata information space of OpenAIRE programmatically.

If you have any question, please open a ticket to the OpenAIRE Helpdesk.

## **Bulk access**

OAI-PMH

Bulk access to projects

# Selective access via HTTP API

**Publications** 

Research data

Software

Other Research Products

Projects

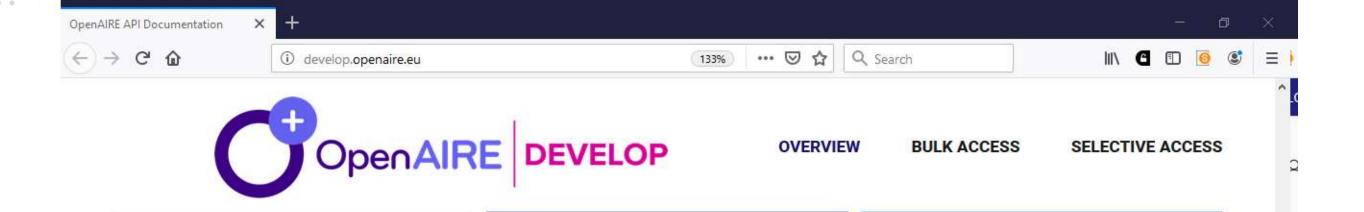
# Linked Open Data

Documentation

OpenAIRE LOD Ontology

OpenAIRE RDF dump

SPARQL endpoint



## TERMS OF USE AND SLA

OpenAIRE HTTP API: the APIs are free-to-use (no sign-up needed) by any third-party service. Note that:

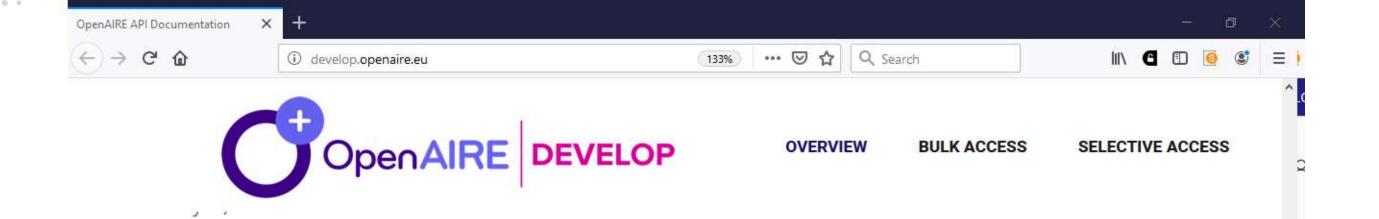
- The HTTP API limits each query to 10,000 paged results; for unlimited access to the APIs please contact the service administrators.
- Since 2015 an RDF dump of the LOD is made available in Zenodo.org

**Metadata license is CC-BY**: the metadata records retuned by the service can be freely re-used by commercial and non-commercial partners under CC-BY license, hence as long as OpenAIRE is acknowledged as content provider.

**Quality of Service**: all API services are running in production 24/7 within the OpenAIRE infrastructure premises deployed at the data center facilities of the Interdisciplinary Centre for Mathematical and Computational Modelling (ICM).

#### **APIs rate limits**

- no more than 30 concurrent connections from single IP to any APIs
- no more than 67 concurrent requests in total
- no more then 37 concurrent request in total (max 30 per single IP) to the HTTP API for selective access
- no more than 15 requests/second to the HTTP API for selective access (in total, not per IP. If this limit is reached, requests will be delayed).



## RESPONSE METADATA FORMAT

The default format of delivered records is oaf (OpenAire Format - current version 1.0):

- https://www.openaire.eu/schema/1.0/oaf-1.0.xsd
- https://www.openaire.eu/schema/1.0/doc/oaf-1.0.html

For the list of changes click here

The latest versions of the XML schema and documentation are also available at the following permanent links:

- https://www.openaire.eu/schema/latest/oaf.xsd
- https://www.openaire.eu/schema/latest/doc/oaf.html

### Older versions:

- oaf v0.3 XML schema and documentation
- oaf v0.2 XML schema and documentation
- oaf v0.1 XML schema and documentation

# WHAT COMES NEXT





# **DEVELOP**

- In-sync access to information space to third-party services
  - Weekly data bulk in Zenodo
  - ResourceSync exports
- Data exchange strategies and interoperability with













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