

VITO EO-data OpenSearch Service: Compliancy to CEOS OpenSearch Best Practice

The table below lists the CEOS Best Practices as defined in the CEOS OpenSearch Best Practice Document

(http://ceos.org/document_management/Working_Groups/WGISS/Interest_Groups/OpenSearch/CEOS-OPENSEARCH-BP-V1.2.pdf) together with the compliancy level of the VITO openSearch implementation.

ID	Category	Title	Requirement Level	Compliancy
CEOS-BP-001	Two step search	Support of two step search	Recommended	C
CEOS-BP-002	OSDD	Support of OpenSearch Parameter Extension (Draft 2)	Recommended	C
CEOS-BP-002B	Free Text Keyword	Free text parameters	Recommended	C
CEOS-BP-002C	Geometry	Advertising supported geometry types	Requirement	C (Polygon)
CEOS-BP-003		rel attribute of the URL in OSDD	Recommended	C
CEOS-BP-003B		Query element in OSDD	Recommended	C
CEOS-BP-004	BP Compliance Declaration	CEOS OpenSearch Best Practice identifier	Recommended	C
CEOS-BP-004B		indexOffset/pageOffset attribute of the URL in OSDD [Recommended]	Recommended	C
CEOS-BP-005	Search Request	Supported search parameters	Requirement	C
CEOS-BP-005B		Search with count=0	Optional	C
CEOS-BP-005C		Search with satellite name	Optional	C
CEOS-BP-005D		Client identification	Recommended	C
CEOS-BP-005E		Preserving URL template parameters	Requirement	C
CEOS-BP-005F		Optional template parameters	Requirement	C
CEOS-BP-006		Multi-words for searchTerms	Recommended	C, supported by using Lucene (search engine)
CEOS-BP-007		Use of startIndex over startPage	Recommended	C
CEOS-BP-008		Search with geo:name	Recommended	C (geo:name OK, geo:radius not implemented)
CEOS-BP-009		Output encoding format in search URL	Optional	C
CEOS-BP-009B		Handling unsupported request parameter	Optional	C
CEOS-BP-010	Search Response	Output encoding format support (atom)	Requirement	C

CEOS-BP-011		Support of dc:identifier in search response to allow for search-by-ID	Requirement	C
CEOS-BP-011B		Result set navigation	Recommended	C
CEOS-BP-012		Metadata representation in search response	Recommended	C findCollections: 'rel=via' findProducts: 'rel=via' (no 'rel=alternate' due to SPB recommendations on FEDEO)
CEOS-BP-012B		Provenance information	Optional	Not applicable
CEOS-BP-012C		Reference to documentation	Recommended	C, describedby refers to collectiecatalogue (also for the product)
CEOS-BP-012D		Relation attribute values	Recommended	C findCollections: 'rel=via' findProducts: 'rel=via' (no 'rel=alternate' due to SPB recommendations on FEDEO)
CEOS-BP-012E		Link type attribute	Recommended	C
CEOS-BP-013		atom:summary	Recommended	C
CEOS-BP-013B		Dublin Core date	Recommended	C
CEOS-BP-014		GeoRSS	Recommended	C
CEOS-BP-014B		GeoRSS multi-polygon footprint	Recommended	NC
CEOS-BP-014C		GeoRSS multi-point footprint	Recommended	Not Applicable
CEOS-BP-014D		GeoRSS multi-line footprint	Recommended	Not Applicable
CEOS-BP-014E		Minimum-bounding rectangle	Optional	C
CEOS-BP-015		Browse Image	Recommended	C
CEOS-BP-015B		Multiple browse images	Optional	C
CEOS-BP-016		Data access	Recommended	C
CEOS-BP-016B		Data access to multiple files	Optional	NC, multiple files are provided as metalink.xml
CEOS-BP-016C		Data access for data download and order	Optional	C
CEOS-BP-017	Exceptions	Exception codes	Recommended	C