

# INSPIRE Suchdienst

## Abfrageparameter

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# 1 INSPIRE Suchdienst - Abfrageparameter

Basierend auf der OGC-Spezifikation „Catalogue Services Specification 2.0.2 – ISO Metadata Application Profile for CSW 2.0, version 1.0.0“ werden in den folgenden Tabellen die für den INSPIRE Suchdienst möglichen Abfrageparameter und Werte aufgelistet. Der INSPIRE Suchdienst beinhaltet die Operationen „GetCapabilities“, „GetRecords“ und „Harvest“.

## 1.1 GetCapabilities – Parameter

Keyword	Definition	Data type and value	Optionality and use	VALUES	
REQUEST	Operation name	Character String type, not empty Value is operation name (e.g., "GetCapabilities")	One (mandatory)	GetCapabilities	
service	Service type identifier	Character String type, not empty Value is OWS type abbreviation (e.g., "WMS", "WFS", "CSW")	One (mandatory)	CSW	
acceptVersions	Prioritized sequence of one or more specification versions accepted by client, with preferred versions listed first	Sequence of Character String type, each not empty Value is list of x.y.z "version" values (z.B. "2.0.2", "2.0.0", "0.7.2")	Zero or one (optional) When omitted, return latest supported version (see Subclause 7.3.2)	2.0.2	
section	Name of requested section in complete service metadata document	Sequence of Character String type, each not empty Value is list of section names Allowed section names are specified by each Implementation Specification	Zero or one (optional) When omitted or not supported by server, return complete service metadata document c		
-	Service Identification	Metadata about this specific server	SV_ServiceIdentification in ISO 19119	Zero or one (Optional) Include when requested	<ows:Section>ServiceProvider</ows:Section>
-	Service Provider	Metadata about the organization	SV_ServiceProvider in ISO 19119	Zero or one (Optional)	<ows:Section>ServiceIdentification</ows:Section>

		operating this server		Include when requested	Section>
-	Operations Metadata	Metadata about an operations specified by this service, including the URL(s) for operation requests	SV_OperationMetadata in ISO 19119	Zero or more (Optional) Include when requested Repeated for each operation implemented by this server	<ows:Section>OperationsMetadata</ows:Section>
-	Filter_Capabilities	Metadata about an operations specified by this service, including the URL(s) for operation requests	SV_OperationMetadata in ISO 19119	Zero or more (Optional) Include when requested Repeated for each operation implemented by this server	<ows:Section>Filter_Capabilities</ows:Section>
	updateSequence	Service metadata document version, value is "increased" whenever any change is made in complete service metadata document	Character String type, not empty Values are selected by each server, and are always opaque to clients z.B. "None", "Any", "Equal", "Lower", "Higher"	Zero or one (optional) When omitted or not supported by server, return latest service metadata document	
	Content	Metadata about a collection or type of resource cataloged by this server	MD_DataIdentification in ISO 19115 (adapted)	Zero or more (Optional) Include when requested Repeated for each collection and type of resources cataloged	
	QueryLanguage	Metadata about a query language supported by this server, specifying the query abilities implemented	Character string	Zero or more (Optional) Include when requested Repeated for each query language implemented by this server	
	acceptFormats	Prioritized sequence of zero or more response formats desired by client, with preferred formats listed first	Sequence of Character String type, each not empty Value is list of format identifiers Identifiers are MIME	Zero or one (optional) When omitted or not supported by server, return service metadata document	application/xml

		types of formats useful for service metadata documents	using MIME type "text/xml"	
acceptLanguages	Sequence of one or more languages for human readable text requested by the client.	Sequence of Character String type, not empty Value is list of language identifiers as specified in IETF RFC 4646, plus "*"	Zero or one (optional) For use see section 7.3.6	

Tabelle 1: Parameter GetCapabilities

## 1.2 GetRecords – Parameter

Keyword	Data type and value	Optionality and use	Values
REQUEST	Character String Fixed value of GetRecords, case insensitive	One (Mandatory) a	GetRecords
service	Character String Fixed values of "CSW"	One (Mandatory)	CSW
version	Character String Fixed value of 2.0.2	One (Mandatory)	2.0.2
NAMESPACE	List of Character String, comma separated  Used to specify a namespace and its prefix  Format shall be xmlns([prefix=]namespace-url). If the prefix is not specified then this is the default namespace.	Zero or one (Optional) b  Include value for each distinct namespace used by all qualified names in the request.  If not included, all qualified names are in default namespace	xmlns:csw=http://www.opengis.net/cat/csw/2.0.2, xmlns:gmd=http://www.isotc211.org/2005/gmd
resultType	CodeList with allowed values: "hits", "results" or "validate"	Zero or one (Optional)  Default value is "results"	results
requestId	URI	Zero or one (Optional) Include when client chooses to assign requestId	zero
outputFormat	Character String Value is Mime type	Zero or one (Optional) Default value is	application/xml

	The only value that is required to be supported is application/xml. Other supported values may include text/html and text/plain	application/xml	
outputSchema	Any URI..	Zero or one (Optional) Default value is <a href="http://www.opengis.net/csw/2.0.2">http://www.opengis.net/csw/2.0.2</a> .	<a href="http://www.isotc211.org/2005/gmd/">http://www.isotc211.org/2005/gmd/</a>
startPosition	Non-Zero Positive Integer	Zero or one (Optional) Default value is 1	zero
maxRecords	Positive Integer	Zero or one (Optional) Default values is 10	zero
typeName	List of Character String, comma separated Unordered List of object types implicated in the query	One (Mandatory)	bei Harvest: gmd:MD_Metadata bei GetRecords: csw:Record
ElementSetName	List of Character String	Zero or one (Mutually exclusive with ElementName) (Optional)	full
ElementName	List of Character String	Zero or more (Mutually exclusive with ElementSetName)	zero
constraintLanguage	CodeList with allowed values: CQL_TEXT or FILTER	Zero or one (Optional) c Include when Constraint included	CQL_TEXT (für INSPIRE mandatory)
Constraint	Character String  Predicate expression specified in the language indicated by the CONSTRAINTLANGUAGE parameter	Zero or one (Optional)  Default action is to execute an unconstrained query	(CQL)
			Title, Abstract, TopicCategory,
			Type (=dataset, series, services),
			ResourceIdentifier, ServiceType,
			Subject (Keyword), Language,
			TempExtent_begin, TempExtent_end,
			PublicationDate, RevisionDate,
			CreationDate, DistanceUOM,
			Denominator, DistanceValue,
OrganisationName, ResponsiblePartyRole,			

			AccessConstraints, OtherConstraints, Classification, Lineage, ConditionApplyingToAccessAndUse, Degree, SpecificationTitle, SpecificationDate, SpecificationDateType
Constraint_language_version	String May be used to specify a version number indicating which version of a specification the constraint conforms to. For example, if "FILTER" is being used, this parameter could be set to "1.1.0" indicating that the filter conforms to version 1.1.0 of the Filter Encoding Implementation Specification [OGC 02-059].	One (Mandatory)	1.1.0
SortBy	List of Character String, comma separated Ordered list of names of metadata elements to use for sorting the response Format of each list item is metadata_element_name:A indicating an ascending sort or metadata_element_name:D indicating descending sort	Zero or one (Optional) Default action is to present the records in the order in which they are retrieved	zero
DistributedSearch	Boolean	Zero or one (Optional) Default value is FALSE	zero
hopCount	Integer	Zero or one (Optional) Include only if DistributedSearch parameter is included Default value is 2	zero
ResponseHandler	Any URI	Zero or one (Optional) If not included,	zero

		process request synchronously	
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\*Wert: URLEncodiert

Tabelle 2: Parameter GetRecords

### 1.3 Harvest – Parameter

Keyword	Data type and value	Optionality and use	Values (Werte eingeschränkt auf Umsetzung im INSPIRE-Dienst)
REQUEST	Character String Fixed value of Harvest, case insensitive	One (Mandatory) a	harvest
service	Character String Fixed values of "CSW"	One (Mandatory)	CSW
version	Character String Fixed value of 2.0.2	One (Mandatory)	2.0.2
NAMESPACE	List of Character String, comma separated  Used to specify a namespace and its prefix  Format shall be xmlns([prefix=]url). If the prefix is not specified then this is the default namespace.	Zero or one (Optional) b Include value for each distinct namespace used by all qualified names in the request.  If not included, all qualified names are in default namespace	-
Source	URI  Reference to the source from which the resource is to be harvested	One (Mandatory)	URL der GetRecords Operation mit URL encodierten Parametern (KVP) zur Abfrage des gesamten Datenbestandes.
ResourceType	Character String Reference to the type of resource being harvested, see Subclause 10.12.4.2	One (Mandatory)	<a href="http://www.isotc211.org/schemas/2005/gmd/">http://www.isotc211.org/schemas/2005/gmd/</a>
ResourceFormat	Character String MIME type indicating format of the resource being harvested	Zero or one (Optional)  Default value is application/xml	application/xml
ResponseHandler	URL	(One) Mandatory	E-Mail Adresse

	A reference to a person or entity that the CSW should respond to when it has completed processing Harvest request asynchronously		z.B. inspire@bev.gv.at
HarvestInterval	Period  Must conform to ISO8601 Period syntax.	Zero or one (Optional)  If not specified, then harvest only once in response to the request.	Der Zeitintervall kann minimal einen Tag und darf höchstens 24 Wochen betragen.  Beispiele: „P2Y10M15DT10H30M20S“ steht für 2 Jahre, 10 Monate, 15 Tage, 10 Stunden, 30 Minuten und 20 Sekunden. „P1D“ steht für 1 Tag

Tabelle 3: Parameter Harvest