

Brugervejledning til web service (INSPIRE søgetjeneste)

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Indledning

Denne vejledning beskriver hvordan man kobler op til geodata-info.dk's web service del (INSPIRE søgetjenesten).

Søgetjenesten opfylder kravene i henhold til INSPIRE-direktivet (Forordning nr. 976/2009 for så vidt angår net tjenesterne). Desuden er søgetjenesten implementeret ved at følge de tekniske retningslinjer for INSPIRE Discovery Services version 2.12 samt standarden OGC Catalogue Services Specification 2.0.2 - ISO Metadata Application Profile for CSW 2.0, version 1.0.0.

Overordnet skelnes mellem to bindinger for søgetjenesten: KVP (HTTP GET) samt SOAP (HTTP POST). Alle operationer understøtter ikke nødvendigvis begge bindinger.

Følgende bindinger er beskrevet i denne vejledning:

Operationsnavn (OGC)	Binding:
GetCapabilities	SOAP (POST) KVP (GET)
GetRecords	SOAP (POST)
DescribeRecord	SOAP (POST)
GetDomain	Denne operation er ikke obligatorisk og ikke beskrevet i vejledningen
GetRecordById	SOAP (POST) KVP (GET)
Transaction	SOAP (POST)
Harvest	Geodata-info.dk understøtter ikke denne operation

SOAP delen af søgetjenesten er beskrevet ved følgende WSDL:

<http://www.geodata-info.dk/csw?wsdl>

Denne WSDL fil beskriver to "port types". Dels en CSW port type og dels CSWT port type. CSW port type beskriver operationerne GetCapabilities, DescribeRecord, GetRecords samt GetRecordById. CSWT port type beskriver operationen Transaction. CSW port type er bundet på adressen:

<http://www.geodata-info.dk:80/csw>

CSWT port type er bundet på adressen:

<https://www.geodata-info.dk:443/csw>

HTTPS anvendes da vi gerne vil beskytte brugernavn og password som skal sendes i SOAP headeren. Det er dog op til anvenderen af søgetjenesten om https ønskes anvendt.

Operationer der understøtter HTTP POST – SOAP

GetCapabilities

Følgende SOAP besked sendes til <http://www.geodata-info.dk:80/csw>

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2" xmlns:ows="http://www.opengis.net/ows">
  <soap:Header/>
  <soap:Body>
    <csw:GetCapabilities service="http://www.opengis.net/cat/csw">
      <ows:AcceptVersions>
        <ows:Version>2.0.2</ows:Version>
      </ows:AcceptVersions>
    </csw:GetCapabilities>
  </soap:Body>
</soap:Envelope>
```

Dette returnerer de fulde capabilities:

```
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Body>
    <csw:Capabilities version="2.0.2"
xsi:schemaLocation="http://inspire.europa.eu/networkservice/discovery
http://schemas.kms.dk/INSPIRE/Discovery/INSPIRE_ExtendedCapabilities_CSW_202.xsd"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2"
xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:gmd="http://www.isotc211.org/2005/gmd"
xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:ows="http://www.opengis.net/ows"
xmlns:ogc="http://www.opengis.net/ogc" xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:inspire_ds="http://inspire.europa.eu/networkservice/discovery"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <ows:ServiceIdentification>
        <ows:Title>Geodata-info.dk</ows:Title>
        <ows:Abstract>Geodata-info.dk er den danske portal til søgning af geodatasæt
og tjenester, der opfylder de krav, som er opstillet i INSPIRE-direktivet
(2007/2/EF).</ows:Abstract>
        <ows:Keywords>
          <!--Kun de oftest optrædende keywords er vist her-->
          <ows:Keyword>Søgetjeneste</ows:Keyword>
          <ows:Keyword>Discovery</ows:Keyword>
          <ows:Keyword>Hydrografi</ows:Keyword>
          <ows:Keyword>Vand</ows:Keyword>
          <ows:Keyword>Geologi</ows:Keyword>
        </ows:Keywords>
      </ows:ServiceIdentification>
    </csw:Capabilities>
  </env:Body>
</env:Envelope>
```

```

    <ows:Keyword>Vandindvinding</ows:Keyword>
    <ows:Keyword>Vandkvalitet</ows:Keyword>
    <ows:Keyword>Grundvandsovervågning</ows:Keyword>
    <ows:Keyword>Boring</ows:Keyword>
    <ows:Keyword>Indsatsplaner</ows:Keyword>
    <ows:Keyword>Forurening</ows:Keyword>
    <ows:Keyword>Bugter og fjorde</ows:Keyword>
    <ows:Type>theme</ows:Type>
  </ows:Keywords>
  <ows:ServiceType>CSW</ows:ServiceType>
  <ows:ServiceTypeVersion>2.0.2</ows:ServiceTypeVersion>
  <ows:Fees>no conditions apply</ows:Fees>
  <ows:AccessConstraints>no limitation</ows:AccessConstraints>
</ows:ServiceIdentification>
<ows:ServiceProvider>
  <ows:ProviderName>Kort & Matrikelstyrelsen,
Miljøministeriet</ows:ProviderName>
  <ows:ProviderSite xlink:href="http://www.kms.dk"/>
  <ows:ServiceContact>
    <ows:IndividualName>Kort & Matrikelstyrelsen,
Miljøministeriet</ows:IndividualName>
    <ows:PositionName/>
    <ows:ContactInfo>
      <ows:Phone>
        <ows:Voice>+45 72545000</ows:Voice>
        <ows:Facsimile/>
      </ows:Phone>
      <ows:Address>
        <ows:DeliveryPoint>Rentemestervej 8</ows:DeliveryPoint>
        <ows:City>København</ows:City>
        <ows:AdministrativeArea>NV</ows:AdministrativeArea>
        <ows:PostalCode>2400</ows:PostalCode>
        <ows:Country>Denmark</ows:Country>
        <ows:ElectronicMailAddress>geodata-
info@kms.dk</ows:ElectronicMailAddress>
      </ows:Address>
      <ows:HoursOfService/>
      <ows:ContactInstructions/>
    </ows:ContactInfo>
    <ows:Role/>
  </ows:ServiceContact>
</ows:ServiceProvider>
<ows:OperationsMetadata>
  <ows:Operation name="GetCapabilities">
    <ows:DCP>
      <ows:HTTP>
        <ows:Get xlink:href="http://www.geodata-
info.dk/registrant/srv/en/csw"/>
        <ows:Post xlink:href="http://www.geodata-info.dk/csw">
          <ows:Constraint name="PostEncoding">
            <ows:Value>SOAP</ows:Value>
          </ows:Constraint>
        </ows:Post>
      </ows:HTTP>
    </ows:DCP>
    <ows:Parameter name="sections">
      <ows:Value>ServiceIdentification</ows:Value>
      <ows:Value>ServiceProvider</ows:Value>
      <ows:Value>OperationsMetadata</ows:Value>
      <ows:Value>Filter_Capabilities</ows:Value>
    </ows:Parameter>
  </ows:Operation>
  <ows:Operation name="DescribeRecord">
    <ows:DCP>
      <ows:HTTP>

```

```

        <ows:Post xlink:href="http://www.geodata-info.dk/csw">
            <ows:Constraint name="PostEncoding">
                <ows:Value>SOAP</ows:Value>
            </ows:Constraint>
        </ows:Post>
    </ows:HTTP>
</ows:DCP>
<ows:Parameter name="typeName">
    <ows:Value>csw:Record</ows:Value>
    <ows:Value>gmd:MD_Metadata</ows:Value>
</ows:Parameter>
<ows:Parameter name="outputFormat">
    <ows:Value>application/xml</ows:Value>
</ows:Parameter>
<ows:Parameter name="schemaLanguage">
    <ows:Value>http://www.w3.org/TR/xmlschema-1</ows:Value>
</ows:Parameter>
<ows:Parameter name="typeName">
    <ows:Value>csw:Record</ows:Value>
    <ows:Value>gmd:MD_Metadata</ows:Value>
</ows:Parameter>
</ows:Operation>
<ows:Operation name="GetDomain">
    <ows:DCP>
        <ows:HTTP>
            <ows:Get xlink:href="http://www.geodata-
info.dk/registrant/srv/en/csw"/>
        </ows:HTTP>
    </ows:DCP>
</ows:Operation>
<ows:Operation name="GetRecords">
    <ows:DCP>
        <ows:HTTP>
            <ows:Post xlink:href="http://www.geodata-info.dk/csw">
                <ows:Constraint name="PostEncoding">
                    <ows:Value>SOAP</ows:Value>
                </ows:Constraint>
            </ows:Post>
        </ows:HTTP>
    </ows:DCP>
    <ows:Parameter name="resultType">
        <ows:Value>hits</ows:Value>
        <ows:Value>results</ows:Value>
        <ows:Value>validate</ows:Value>
    </ows:Parameter>
    <ows:Parameter name="outputFormat">
        <ows:Value>application/xml</ows:Value>
    </ows:Parameter>
    <ows:Parameter name="outputSchema">
        <ows:Value>http://www.opengis.net/cat/csw/2.0.2</ows:Value>
        <ows:Value>http://www.isotc211.org/2005/gmd</ows:Value>
    </ows:Parameter>
    <ows:Parameter name="typeNames">
        <ows:Value>csw:Record</ows:Value>
        <ows:Value>gmd:MD_Metadata</ows:Value>
    </ows:Parameter>
    <ows:Parameter name="CONSTRAINTLANGUAGE">
        <ows:Value>FILTER</ows:Value>
        <ows:Value>CQL_TEXT</ows:Value>
    </ows:Parameter>
    <ows:Constraint name="SupportedISOQueryables">
        <ows:Value>Operation</ows:Value>
        <ows:Value>Format</ows:Value>
        <ows:Value>OrganisationName</ows:Value>
        <ows:Value>Type</ows:Value>
    </ows:Constraint>

```

```

<ows:Value>ServiceType</ows:Value>
<ows:Value>DistanceValue</ows:Value>
<ows:Value>ResourceLanguage</ows:Value>
<ows:Value>RevisionDate</ows:Value>
<ows:Value>OperatesOn</ows:Value>
<ows:Value>GeographicDescriptionCode</ows:Value>
<ows:Value>AnyText</ows:Value>
<ows:Value>Modified</ows:Value>
<ows:Value>PublicationDate</ows:Value>
<ows:Value>ResourceIdentifier</ows:Value>
<ows:Value>ParentIdentifier</ows:Value>
<ows:Value>Identifier</ows:Value>
<ows:Value>CouplingType</ows:Value>
<ows:Value>TopicCategory</ows:Value>
<ows:Value>OperatesOnIdentifier</ows:Value>
<ows:Value>ServiceTypeVersion</ows:Value>
<ows:Value>TempExtent_end</ows:Value>
<ows:Value>Subject</ows:Value>
<ows:Value>CreationDate</ows:Value>
<ows:Value>OperatesOnName</ows:Value>
<ows:Value>Title</ows:Value>
<ows:Value>DistanceUOM</ows:Value>
<ows:Value>Denominator</ows:Value>
<ows:Value>AlternateTitle</ows:Value>
<ows:Value>Language</ows:Value>
<ows:Value>TempExtent_begin</ows:Value>
<ows:Value>HasSecurityConstraints</ows:Value>
<ows:Value>KeywordType</ows:Value>
<ows:Value>Abstract</ows:Value>
</ows:Constraint>
<ows:Constraint name="AdditionalQueryables">
  <ows:Value>SpecificationDate</ows:Value>
  <ows:Value>ConditionApplyingToAccessAndUse</ows:Value>
  <ows:Value>AccessConstraints</ows:Value>
  <ows:Value>MetadataPointOfContact</ows:Value>
  <ows:Value>SpecificationDateType</ows:Value>
  <ows:Value>Classification</ows:Value>
  <ows:Value>OtherConstraints</ows:Value>
  <ows:Value>Degree</ows:Value>
  <ows:Value>Lineage</ows:Value>
  <ows:Value>SpecificationTitle</ows:Value>
</ows:Constraint>
</ows:Operation>
<ows:Operation name="GetRecordById">
  <ows:DCP>
    <ows:HTTP>
      <ows:Get xlink:href="http://www.geodata-
info.dk/registrant/srv/en/csw"/>
      <ows:Post xlink:href="http://www.geodata-info.dk/csw">
        <ows:Constraint name="PostEncoding">
          <ows:Value>SOAP</ows:Value>
        </ows:Constraint>
      </ows:Post>
    </ows:HTTP>
  </ows:DCP>
  <ows:Parameter name="outputSchema">
    <ows:Value>http://www.opengis.net/cat/csw/2.0.2</ows:Value>
    <ows:Value>http://www.isotc211.org/2005/gmd</ows:Value>
  </ows:Parameter>
  <ows:Parameter name="outputFormat">
    <ows:Value>application/xml</ows:Value>
  </ows:Parameter>
  <ows:Parameter name="resultType">
    <ows:Value>hits</ows:Value>
    <ows:Value>results</ows:Value>

```

```

        <ows:Value>validate</ows:Value>
    </ows:Parameter>
    <ows:Parameter name="ElementSetName">
        <ows:Value>brief</ows:Value>
        <ows:Value>summary</ows:Value>
        <ows:Value>full</ows:Value>
    </ows:Parameter>
</ows:Operation>
<ows:Operation name="Transaction">
    <ows:DCP>
        <ows:HTTP>
            <ows:Post xlink:href="http://www.geodata-info.dk/csw">
                <ows:Constraint name="PostEncoding">
                    <ows:Value>SOAP</ows:Value>
                </ows:Constraint>
            </ows:Post>
        </ows:HTTP>
    </ows:DCP>
</ows:Operation>
<ows:Parameter name="service">
    <ows:Value>http://www.opengis.net/cat/csw/2.0.2</ows:Value>
</ows:Parameter>
<ows:Parameter name="version">
    <ows:Value>2.0.2</ows:Value>
</ows:Parameter>
<ows:Constraint name="IsoProfiles">
    <ows:Value>http://www.isotc211.org/2005/gmd</ows:Value>
</ows:Constraint>
<ows:ExtendedCapabilities>
    <inspire_ds:ExtendedCapabilities>
        <inspire_ds:ResourceLocator>
            <gmd:linkage>
                <gmd:URL>http://www.geodata-
info.dk/registrant/srv/en/csw?service=CSW&version=2.0.2&request=GetCapabilities</
gmd:URL>
            </gmd:linkage>
        </inspire_ds:ResourceLocator>
        <inspire_ds:MetadataUrl>
            <gmd:linkage>
                <gmd:URL><![CDATA[http://www.geodata-
info.dk/registrant/srv/en/csw?service=CSW&version=2.0.2&request=GetRecordById?Service=CSW
&Request=GetRecordById&Version=2.0.2&id=a4dd571b-8c58-4b76-b1cb-
f47715b43f58&outputSchema=http://www.isotc211.org/2005/gmd&elementSetName=full]]></gmd:UR
L>
            </gmd:linkage>
        </inspire_ds:MetadataUrl>
        <inspire_ds:ResourceType>
            <gmd:MD_ScopeCode codeListValue="service"
codeList="http://standards.iso.org/ittf/ PubliclyAvailableStandards/ISO_19139_Schemas/
resources/Codelist/gmxCodelists.xml#MD_ScopeCode">service</gmd:MD_ScopeCode>
        </inspire_ds:ResourceType>
        <inspire_ds:TemporalReference>
            <gmd:temporalElement>
                <gmd:EX_TemporalExtent>
                    <gmd:extent>
                        <gml:TimeInstant gml:id="d38e197a1049886">
                            <gml:timePosition>2010-08-25T16:39:00</gml:timePosition>
                        </gml:TimeInstant>
                    </gmd:extent>
                </gmd:EX_TemporalExtent>
            </gmd:temporalElement>
        </inspire_ds:TemporalReference>
        <inspire_ds:Conformity>
            <gmd:specification>
                <gmd:CI_Citation>

```

```

        <gmd:title>
            <gco:CharacterString>COMMISSION REGULATION (EC) No 976/2009
of 19 October 2009 implementing Directive 2007/2/EC of the European Parliament and of the
Council as regards the Network Services</gco:CharacterString>
        </gmd:title>
        <gmd:date>
            <gmd:CI_Date>
                <gmd:date>
                    <gco>Date>2009-10-19</gco>Date>
                </gmd:date>
                <gmd:dateType>
                    <gmd:CI_DateTypeCode codeListValue="publication"
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/reso
urces/Codelist/ML_gmxCodelists.xml#CI_DateTypeCode">publication</gmd:CI_DateTypeCode>
                </gmd:dateType>
            </gmd:CI_Date>
        </gmd:date>
        </gmd:CI_Citation>
    </gmd:specification>
    <gmd:explanation>
        <gco:CharacterString>See referenced
specification</gco:CharacterString>
    </gmd:explanation>
    <gmd:pass>
        <gco:Boolean>>true</gco:Boolean>
    </gmd:pass>
</inspire_ds:Conformity>
<inspire_ds:Conformity>
    <gmd:specification>
        <gmd:CI_Citation>
            <gmd:title>
                <gco:CharacterString>COMMISSION REGULATION (EC) No
1205/2008 of 3 December 2008 implementing Directive 2007/2/EC of the European Parliament
and of the Council as regards metadata</gco:CharacterString>
            </gmd:title>
            <gmd:date>
                <gmd:CI_Date>
                    <gmd:date>
                        <gco>Date>2008-12-03</gco>Date>
                    </gmd:date>
                    <gmd:dateType>
                        <gmd:CI_DateTypeCode codeListValue="publication"
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/reso
urces/Codelist/ML_gmxCodelists.xml#CI_DateTypeCode">publication</gmd:CI_DateTypeCode>
                    </gmd:dateType>
                </gmd:CI_Date>
            </gmd:date>
        </gmd:CI_Citation>
    </gmd:specification>
    <gmd:explanation>
        <gco:CharacterString>See the referenced
specification</gco:CharacterString>
    </gmd:explanation>
    <gmd:pass>
        <gco:Boolean>>true</gco:Boolean>
    </gmd:pass>
</inspire_ds:Conformity>
<inspire_ds:MetadataPointOfContact>
    <gmd:organisationName>
        <gco:CharacterString>Kort & Matrikelstyrelsen,
Miljøministeriet</gco:CharacterString>
    </gmd:organisationName>
    <gmd:contactInfo>
        <gmd:CI_Contact>
            <gmd:address>

```

```

        <gmd:CI_Address>
            <gmd:electronicMailAddress>
                <gco:CharacterString>gif@kms.dk</gco:CharacterString>
            </gmd:electronicMailAddress>
        </gmd:CI_Address>
    </gmd:address>
</gmd:CI_Contact>
</gmd:contactInfo>
<gmd:role>
    <gmd:CI_RoleCode codeListValue="pointOfContact"
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/reso
urces/Codelist/ML_gmxCodelists.xml#CI_RoleCode">pointOfContact</gmd:CI_RoleCode>
    </gmd:role>
</inspire_ds:MetadataPointOfContact>
<inspire_ds:MetadataDate>2010-08-31</inspire_ds:MetadataDate>
<inspire_ds:SpatialDataServiceType>
    <gco:LocalName codeSpace="INSPIRE">discovery</gco:LocalName>
</inspire_ds:SpatialDataServiceType>
<inspire_ds:InspireKeywords>
    <gmd:keyword>
        <gco:CharacterString>humanCatalogueViewer</gco:CharacterString>
    </gmd:keyword>
<gmd:thesaurusName>
    <gmd:CI_Citation>
        <gmd:title>
            <gco:CharacterString>ISO 19119</gco:CharacterString>
        </gmd:title>
        <gmd:date>
            <gmd:CI_Date>
                <gmd:date>
                    <gco:Date>2003-11-26</gco:Date>
                </gmd:date>
                <gmd:dateType>
                    <gmd:CI_DateTypeCode codeListValue="publication"
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/reso
urces/Codelist/ML_gmxCodelists.xml#CI_DateTypeCode">publication</gmd:CI_DateTypeCode>
                    </gmd:dateType>
                </gmd:CI_Date>
            </gmd:date>
        </gmd:CI_Citation>
    </gmd:thesaurusName>
</inspire_ds:InspireKeywords>
<inspire_ds:Languages>
    <inspire_ds:Language default="true">dan</inspire_ds:Language>
</inspire_ds:Languages>
<inspire_ds:CurrentLanguage>dan</inspire_ds:CurrentLanguage>
</inspire_ds:ExtendedCapabilities>
</ows:ExtendedCapabilities>
</ows:OperationsMetadata>
<ogc:Filter_Capabilities>
    <ogc:Spatial_Capabilities>
        <ogc:GeometryOperands>
            <ogc:GeometryOperand>gml:Envelope</ogc:GeometryOperand>
            <ogc:GeometryOperand>gml:Point</ogc:GeometryOperand>
            <ogc:GeometryOperand>gml:LineString</ogc:GeometryOperand>
            <ogc:GeometryOperand>gml:Polygon</ogc:GeometryOperand>
        </ogc:GeometryOperands>
        <ogc:SpatialOperators>
            <ogc:SpatialOperator name="BBOX"/>
            <ogc:SpatialOperator name="Equals"/>
            <ogc:SpatialOperator name="Overlaps"/>
            <ogc:SpatialOperator name="Disjoint"/>
            <ogc:SpatialOperator name="Intersects"/>
            <ogc:SpatialOperator name="Touches"/>
            <ogc:SpatialOperator name="Crosses"/>
        </ogc:SpatialOperators>
    </ogc:Spatial_Capabilities>
</ogc:Filter_Capabilities>

```

```

        <ogc:SpatialOperator name="Within"/>
        <ogc:SpatialOperator name="Contains"/>
        <!--<ogc:SpatialOperator name="Beyond"/>
        <ogc:SpatialOperator name="DWithin"/>
        The 'SpatialOperator' element can have a GeometryOperands child-->
    </ogc:SpatialOperators>
</ogc:Spatial_Capabilities>
<ogc:Scalar_Capabilities>
    <ogc:LogicalOperators/>
    <ogc:ComparisonOperators>
        <ogc:ComparisonOperator>EqualTo</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>Like</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>LessThan</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>GreaterThan</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>LessThanEqualTo</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>GreaterThanEqualTo</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>NotEqualTo</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>Between</ogc:ComparisonOperator>
        <ogc:ComparisonOperator>NullCheck</ogc:ComparisonOperator>
    </ogc:ComparisonOperators>
</ogc:Scalar_Capabilities>
<ogc:Id_Capabilities>
    <ogc:EID/>
    <ogc:FID/>
</ogc:Id_Capabilities>
</ogc:Filter_Capabilities>
</csw:Capabilities>
</env:Body>
</env:Envelope>

```

I forespørgslen til GetCapabilities kan også spørges om specifikke afsnit af capabilities. Feks.

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2" xmlns:ows="http://www.opengis.net/ows">
  <soap:Header/>
  <soap:Body>
    <csw:GetCapabilities service="http://www.opengis.net/cat/csw">
      <ows:AcceptVersions>
        <ows:Version>2.0.2</ows:Version>
      </ows:AcceptVersions>
      <ows:Sections>
        <ows:Section>ServiceIdentification</ows:Section>
      </ows:Sections>
    </csw:GetCapabilities>
  </soap:Body>
</soap:Envelope>

```

Her returneres kun det afsnit af capabilities, der har noget med service identification at gøre. For nærmere beskrivelse af parametre osv. henvises til OGC CSW standarden.

GetRecords

Med GetRecords operationen kan man lave forespørgsler direkte i søgetjenesten.

Forespørgsler til at finde alle records, der indeholder tekststrengen "kort10":

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2">
  <soap:Header/>

```

```

<soap:Body>
  <csw:GetRecords service="CSW" version="2.0.2" resultType="hits"
outputFormat="application/xml">
  <csw:Query typeNames="csw:Record">
    <csw:Constraint version="1.1.0">
      <Filter xmlns="http://www.opengis.net/ogc"
xmlns:gml="http://www.opengis.net/gml">
        <PropertyIsLike wildCard="%" singleChar="_" escapeChar="\ ">
          <PropertyName>AnyText</PropertyName>
          <Literal>kort10</Literal>
        </PropertyIsLike>
      </Filter>
    </csw:Constraint>
  </csw:Query>
</csw:GetRecords>
</soap:Body>
</soap:Envelope>

```

Denne forespørgsel returnerer følgende:

```

<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Body>
    <csw:GetRecordsResponse xsi:schemaLocation="http://www.opengis.net/cat/csw/2.0.2
http://schemas.opengis.net/csw/2.0.2/CSW-discovery.xsd"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <csw:SearchStatus timestamp="2010-09-06T14:59:26"/>
      <csw:SearchResults numberOfRecordsMatched="5" numberOfRecordsReturned="0"
elementSet="summary" nextRecord="1"/>
    </csw:GetRecordsResponse>
  </env:Body>
</env:Envelope>

```

For at returnere selve metadata records, der opfylder et givent udtryk, ændres i `<csw:GetRecords>` tag. F.eks. returnerer følgende forespørgsel samtlige fulde metadata records, der opfylder søgekriterierne:

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2">
  <soap:Header/>
  <soap:Body>
    <csw:GetRecords service="CSW" version="2.0.2" resultType="results"
outputFormat="application/xml" outputSchema="csw:ISORecord">
      <csw:Query typeNames="csw:Record">
        <csw:ElementSetName>full</csw:ElementSetName>
        <csw:Constraint version="1.1.0">
          <Filter xmlns="http://www.opengis.net/ogc"
xmlns:gml="http://www.opengis.net/gml">
            <PropertyIsLike wildCard="%" singleChar="_" escapeChar="\ ">
              <PropertyName>AnyText</PropertyName>
              <Literal>kort10</Literal>
            </PropertyIsLike>
          </Filter>
        </csw:Constraint>
      </csw:Query>
    </csw:GetRecords>
  </soap:Body>
</soap:Envelope>

```

Ændringer ift. oprindelig forespørgsel er indikeret med **fed**. For nærmere specifikation af parametre osv. henviser vi til OGC CSW standarden.

DescribeRecord

Operationen DescribeRecord returnerer skemaet for metadata, der er indeholdt i søgetjenesten. De metadata, der accepteres af søgetjenesten, følger ISO Metadata (ISO 19115 og 19139). Søgetjenesten understøtter dog også OGC csw:record format. Eksempel på skema for metadata i ISO:

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2">
  <soap:Header/>
  <soap:Body>
    <csw:DescribeRecord service="CSW" version="2.0.2" outputFormat="application/xml"
schemaLanguage="http://www.w3.org/XML/Schema"
namespace="gmd:http://www.isotc211.org/2005/gmd">
      <csw:TypeName>gmd:MD_Metadata</csw:TypeName>
      </csw:DescribeRecord>
    </soap:Body>
  </soap:Envelope>
```

Dette returnerer det specifikke skema, som metadata returneres i. I dette tilfælde indikerer `gmd:MD_Metadata` det skema der benyttes i den XML der returneres hvis der bruges `csw:ISORecord` i GetRecords forespørgslen (se ovenfor).

GetRecordById

GetRecordById operationen henter en specifik metadata record baseret på en UUID.

Følgende forespørgsel kan sendes:

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2">
  <soap:Header/>
  <soap:Body>
    <csw:GetRecordById service="CSW" version="2.0.2" outputFormat="application/xml"
outputSchema="csw:ISORecord">
      <csw:Id>a4dd571b-8c58-4b76-b1cb-f47715b43f58</csw:Id>
      <csw:ElementSetName>full</csw:ElementSetName>
    </csw:GetRecordById>
  </soap:Body>
</soap:Envelope>
```

Dette returnerer den fulde metadata record med UUID = a4dd571b-8c58-4b76-b1cb-f47715b43f58:

```
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope">
  <env:Body>
    <csw:GetRecordByIdResponse xmlns:csw="http://www.opengis.net/cat/csw/2.0.2">
      <gmd:MD_Metadata xsi:schemaLocation="http://www.isotc211.org/2005/srv
http://schemas.opengis.net/iso/19139/20060504/srv/srv.xsd"
xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:srv="http://www.isotc211.org/2005/srv"
xmlns:gml="http://www.opengis.net/gml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:gco="http://www.isotc211.org/2005/gco"
xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:geonet="http://www.fao.org/geonetwork">
        <gmd:fileIdentifier>
          <gco:CharacterString
xmlns:gmx="http://www.isotc211.org/2005/gmx">a4dd571b-8c58-4b76-b1cb-
f47715b43f58</gco:CharacterString>
        </gmd:fileIdentifier>
        <gmd:language>
```

```

    <gco:CharacterString>dan</gco:CharacterString>
  </gmd:language>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode
codeList="http://www.isotc211.org/2005/resources/codeList.xml#MD_ScopeCode"
codeListValue="service"/>
  </gmd:hierarchyLevel>
  <gmd:contact>
    <gmd:CI_ResponsibleParty>
      <gmd:organisationName>
        <gco:CharacterString>Kort & amp; Matrikelstyrelsen,
Miljøministeriet</gco:CharacterString>
      </gmd:organisationName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:address>
            <gmd:CI_Address>
              <gmd:electronicMailAddress>
                <gco:CharacterString>gif@kms.dk</gco:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
        </gmd:CI_Contact>
      </gmd:contactInfo>
      <gmd:role>
        <gmd:CI_RoleCode codeListValue="pointOfContact"
codeList="http://www.isotc211.org/2005/resources/codeList.xml#CI_RoleCode"/>
      </gmd:role>
    </gmd:CI_ResponsibleParty>
  </gmd:contact>
  <gmd:dateStamp>
    <gco:DateTime xmlns:gmw="http://www.isotc211.org/2005/gmw">2010-09-
01T17:15:27</gco:DateTime>
  </gmd:dateStamp>
  <gmd:metadataStandardName>
    <gco:CharacterString xmlns:gmw="http://www.isotc211.org/2005/gmw">ISO
19115:2003/19139</gco:CharacterString>
  </gmd:metadataStandardName>
  <gmd:metadataStandardVersion>
    <gco:CharacterString
xmlns:gmw="http://www.isotc211.org/2005/gmw">1.0</gco:CharacterString>
  </gmd:metadataStandardVersion>
  <gmd:identificationInfo>
    <srv:SV_ServiceIdentification>
      <gmd:citation>
        <gmd:CI_Citation>
          <gmd:title>
            <gco:CharacterString>Geodata-info.dk</gco:CharacterString>
          </gmd:title>
          <gmd:date>
            <gmd:CI_Date>
              <gmd:date>
                <gco:Date>2009-08-25</gco:Date>
              </gmd:date>
              <gmd:dateType>
                <gmd:CI_DateTypeCode codeListValue="publication"
codeList="http://www.isotc211.org/2005/resources/codeList.xml#CI_DateTypeCode"/>
              </gmd:dateType>
            </gmd:CI_Date>
          </gmd:date>
        </gmd:CI_Citation>
      </gmd:citation>
    </gmd:identificationInfo>
  </gmd:abstract>

```

```

        <gco:CharacterString>Geodata-info.dk er den danske portal til
søgning af geodatasæt og tjenester, der opfylder de krav, som er opstillet i INSPIRE-
direktivet (2007/2/EF).</gco:CharacterString>
    </gmd:abstract>
    <gmd:pointOfContact>
        <gmd:CI_ResponsibleParty>
            <gmd:organisationName>
                <gco:CharacterString>Kort & Matrikelstyrelsen,
Miljøministeriet</gco:CharacterString>
            </gmd:organisationName>
            <gmd:contactInfo>
                <gmd:CI_Contact>
                    <gmd:address>
                        <gmd:CI_Address>
                            <gmd:electronicMailAddress>

<gco:CharacterString>kms@kms.dk</gco:CharacterString>
                            </gmd:electronicMailAddress>
                        </gmd:CI_Address>
                    </gmd:address>
                </gmd:CI_Contact>
            </gmd:contactInfo>
            <gmd:role>
                <gmd:CI_RoleCode codeListValue="resourceProvider"
codeList="http://www.isotc211.org/2005/resources/codeList.xml#CI_RoleCode"/>
            </gmd:role>
        </gmd:CI_ResponsibleParty>
    </gmd:pointOfContact>
    <gmd:descriptiveKeywords>
        <gmd:MD_Keywords>
            <gmd:keyword>

<gco:CharacterString>humanCatalogueViewer</gco:CharacterString>
            </gmd:keyword>
        <gmd:thesaurusName>
            <gmd:CI_Citation>
                <gmd:title>
                    <gco:CharacterString>ISO 19119</gco:CharacterString>
                </gmd:title>
                <gmd:date>
                    <gmd:CI_Date>
                        <gmd:date>
                            <gco:Date>2003-11-26</gco:Date>
                        </gmd:date>
                    </gmd:CI_Date>
                <gmd:dateType>
                    <gmd:CI_DateTypeCode codeListValue="publication"
codeList="http://www.isotc211.org/2005/resources/codeList.xml#CI_DateTypeCode"/>
                </gmd:dateType>
            </gmd:CI_Date>
        </gmd:date>
    </gmd:CI_Citation>
    </gmd:thesaurusName>
    </gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:resourceConstraints>
    <gmd:MD_Constraints>
        <gmd:useLimitation>
            <gco:CharacterString>No conditions apply</gco:CharacterString>
        </gmd:useLimitation>
    </gmd:MD_Constraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints>
    <gmd:MD_LegalConstraints>
        <gmd:accessConstraints>

```

```

                <gmd:MD_RestrictionCode codeListValue="otherRestrictions"
codeList="http://www.isotc211.org/2005/resources/codeList.xml#MD_RestrictionCode"/>
            </gmd:accessConstraints>
            <gmd:otherConstraints>
                <gco:CharacterString>Ingen restriktioner</gco:CharacterString>
            </gmd:otherConstraints>
        </gmd:MD_LegalConstraints>
    </gmd:resourceConstraints>
    <srv:serviceType>
        <gco:LocalName>discovery</gco:LocalName>
    </srv:serviceType>
    <srv:extent>
        <gmd:EX_Extent>
            <gmd:geographicElement>
                <gmd:EX_GeographicBoundingBox>
                    <gmd:westBoundLongitude>
                        <gco:Decimal>3.2486</gco:Decimal>
                    </gmd:westBoundLongitude>
                    <gmd:eastBoundLongitude>
                        <gco:Decimal>16.5072</gco:Decimal>
                    </gmd:eastBoundLongitude>
                    <gmd:southBoundLatitude>
                        <gco:Decimal>54.3651</gco:Decimal>
                    </gmd:southBoundLatitude>
                    <gmd:northBoundLatitude>
                        <gco:Decimal>58.2609</gco:Decimal>
                    </gmd:northBoundLatitude>
                </gmd:EX_GeographicBoundingBox>
            </gmd:geographicElement>
        </gmd:EX_Extent>
    </srv:extent>
    <srv:extent>
        <gmd:EX_Extent>
            <gmd:temporalElement>
                <gmd:EX_TemporalExtent>
                    <gmd:extent>
                        <gml:TimeInstant gml:id="d38e197a1049886">
                            <gml:timePosition>2010-08-
25T16:39:00</gml:timePosition>
                        </gml:TimeInstant>
                    </gmd:extent>
                </gmd:EX_TemporalExtent>
            </gmd:temporalElement>
        </gmd:EX_Extent>
    </srv:extent>
    <srv:couplingType>
        <srv:SV_CouplingType codeListValue=""
codeList="http://www.isotc211.org/2005/iso19119/resources/Codelist/gmxCodelists.xml#SV_Co
uplingType"/>
    </srv:couplingType>
    <srv:containsOperations>
        <srv:SV_OperationMetadata>
            <srv:operationName>
                <gco:CharacterString>GetCapabilities</gco:CharacterString>
            </srv:operationName>
            <srv:DCP>
                <srv:DCPList codeListValue=""
codeList="http://www.isotc211.org/2005/iso19119/resources/Codelist/gmxCodelists.xml#DCPLi
st"/>
            </srv:DCP>
            <srv:connectPoint>
                <gmd:CI_OnlineResource>
                    <gmd:linkage>

```

```

        <gmd:URL>http://www.geodata-
info.dk/registrant/srv/en/csw?service=CSW&version=2.0.2&request=GetCapabilities</
gmd:URL>
        </gmd:linkage>
        </gmd:CI_OnlineResource>
        </srv:connectPoint>
        </srv:SV_OperationMetadata>
        </srv:containsOperations>
        <srv:operatesOn/>
        </srv:SV_ServiceIdentification>
</gmd:identificationInfo>
<gmd:distributionInfo>
  <gmd:MD_Distribution>
    <gmd:distributionFormat>
      <gmd:MD_Format>
        <gmd:name>
          <gco:CharacterString>CSW</gco:CharacterString>
        </gmd:name>
        <gmd:version>
          <gco:CharacterString>2.0.2</gco:CharacterString>
        </gmd:version>
      </gmd:MD_Format>
    </gmd:distributionFormat>
    <gmd:transferOptions>
      <gmd:MD_DigitalTransferOptions>
        <gmd:onLine>
          <gmd:CI_OnlineResource>
            <gmd:linkage>
              <gmd:URL>http://www.geodata-
info.dk/registrant/srv/en/csw?service=CSW&version=2.0.2&request=GetCapabilities</
gmd:URL>
            </gmd:linkage>
          </gmd:CI_OnlineResource>
        </gmd:onLine>
      </gmd:MD_DigitalTransferOptions>
    </gmd:transferOptions>
  </gmd:MD_Distribution>
</gmd:distributionInfo>
<gmd:dataQualityInfo>
  <gmd:DQ_DataQuality>
    <gmd:scope>
      <gmd:DQ_Scope>
        <gmd:level>
          <gmd:MD_ScopeCode codeListValue="service"
codeList="http://www.isotc211.org/2005/resources/codeList.xml#MD_ScopeCode" />
        </gmd:level>
        <gmd:levelDescription>
          <gmd:MD_ScopeDescription>
            <gmd:other/>
          </gmd:MD_ScopeDescription>
        </gmd:levelDescription>
      </gmd:DQ_Scope>
    </gmd:scope>
    <gmd:report>
      <gmd:DQ_DomainConsistency>
        <gmd:result>
          <gmd:DQ_ConformanceResult>
            <gmd:specification>
              <gmd:CI_Citation>
                <gmd:title>
                  <gco:CharacterString>COMMISSION REGULATION (EC) No
976/2009 of 19 October 2009 implementing Directive 2007/2/EC of the European Parliament
and of the Council as regards the Network Services</gco:CharacterString>
                </gmd:title>
                <gmd:date>

```

```

        <gmd:CI_Date>
            <gmd:date>
                <gco:Date>2009-10-19</gco:Date>
            </gmd:date>
            <gmd:dateType>
                <gmd:CI_DateTypeCode
codeListValue="publication"
codeList="http://www.isotc211.org/2005/resources/codeList.xml#CI_DateTypeCode" />
                </gmd:dateType>
            </gmd:CI_Date>
        </gmd:date>
    </gmd:CI_Citation>
</gmd:specification>
<gmd:explanation>
    <gco:CharacterString>COMMISSION REGULATION (EC) No
976/2009 of 19 October 2009 implementing Directive 2007/2/EC of the European Parliament
and of the Council as regards the Network Services</gco:CharacterString>
</gmd:explanation>
<gmd:pass>
    <gco:Boolean>>false</gco:Boolean>
</gmd:pass>
</gmd:DQ_ConformanceResult>
</gmd:result>
</gmd:DQ_DomainConsistency>
</gmd:report>
</gmd:DQ_DataQuality>
</gmd:dataQualityInfo>
</gmd:MD_Metadata>
</csw:GetRecordByIdResponse>
</env:Body>
</env:Envelope>

```

Udover `<csw:ElementSetName>full</csw:ElementSetName>` kan man også anvende `summary` og `brief`.

Transaction

Transaction understøtter indsættelse eller opdatering af metadata records i søgetjenesten. Det er derfor nødvendigt at tjekke om brugeren har lov til at indsætte eller opdatere metadata, hvilket gøres ved hjælp af brugernavn og password. Disse parametre sendes med i SOAP headeren:

```

<soap:Header>
  <oas:Security>
    <oas:UsernameToken>
      <oas:Username>brugernavn</oas:Username>
      <oas>Password>password</oas>Password>
    </oas:UsernameToken>
  </oas:Security>
</soap:Header>

```

Brugernavn og password fås ved ansøgning om oprettelse på [geodata-info.dk](http://www.geodata-info.dk) (<http://www.geodata-info.dk/Portal/NyBruger>).

I transaction-operationen kan der sendes følgende parametre:

```

<csw:Insert>[indhold]</csw:Insert>
<csw:Update>[indhold]</csw:Update>
<csw>Delete>[indhold]</csw>Delete>

```

Eksempel på indsættelse af en metadatarecord:

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:oas="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-
1.0.xsd" xmlns:csw="http://www.opengis.net/cat/csw/2.0.2"
xmlns:ogc="http://www.opengis.net/ogc">
  <soap:Header>
    <oas:Security>
      <oas:UsernameToken>
        <oas:Username>Brugernavn</oas:Username>
        <oas:Password>Password</oas:Password>
      </oas:UsernameToken>
    </oas:Security>
  </soap:Header>
  <soap:Body>
    <csw:Transaction xmlns:csw="http://www.opengis.net/cat/csw/2.0.2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:gmd="http://www.isotc211.org/2005/gmd"
xsi:schemaLocation="http://www.opengis.net/cat/csw/2.0.2
http://schemas.opengis.net/csw/2.0.2/CSW-publication.xsd http://www.isotc211.org/2005/gmd
http://schemas.opengis.net/iso/19139/20060504/gmd/gmd.xsd" service="CSW" version="2.0.2"
>
      <csw:Insert>
        <gmd:MD_Metadata xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.isotc211.org/2005/gmd
http://schemas.opengis.net/iso/19139/20060504/gmd/gmd.xsd"
xmlns:gco="http://www.isotc211.org/2005/gco" xmlns:gts="http://www.isotc211.org/2005/gts"
xmlns:gml="http://www.opengis.net/gml" xmlns:gmd="http://www.isotc211.org/2005/gmd">
          <gmd:fileIdentifier>
            <gco:CharacterString>bf7ab961-a69f-48e9-a6da-
61c207de86d6</gco:CharacterString>
          </gmd:fileIdentifier>
          <gmd:language>
            <gco:CharacterString>dan</gco:CharacterString>
          </gmd:language>
          <gmd:hierarchyLevel>
            <gmd:MD_ScopeCode codeListValue="dataset"
codeList="./resources/codelists.xml#MD_ScopeCode"/>
          </gmd:hierarchyLevel>
          <gmd:contact>
            <gmd:CI_ResponsibleParty>
              <gmd:organisationName>
                <gco:CharacterString>-- Organisation ansvarlig for metadata --
(Erstat)</gco:CharacterString>
              </gmd:organisationName>
              <gmd:contactInfo>
                <gmd:CI_Contact>
                  <gmd:address>
                    <gmd:CI_Address>
                      <gmd:electronicMailAddress>
                        <gco:CharacterString>-- metadata@xxx.dk --
</gco:CharacterString>
                      </gmd:electronicMailAddress>
                    </gmd:CI_Address>
                  </gmd:address>
                </gmd:CI_Contact>
              </gmd:contactInfo>
              <gmd:role>
                <gmd:CI_RoleCode codeListValue="pointOfContact"
codeList="./resources/codelists.xml#CI_RoleCode"/>
              </gmd:role>
            </gmd:CI_ResponsibleParty>
          </gmd:contact>
          <gmd:dateStamp>
            <gco>Date>2009-05-22</gco>Date>
          </gmd:dateStamp>
        </gmd:MD_Metadata>
      </csw:Insert>
    </csw:Transaction>
  </soap:Body>
</soap:Envelope>
```

```

</gmd:dateStamp>
<gmd:identificationInfo>
  <gmd:MD_DataIdentification>
    <gmd:citation>
      <gmd:CI_Citation>
        <gmd:title>
          <gco:CharacterString>INSPIRE - metadata for
dataset</gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco:Date>2010-08-25</gco:Date>
            </gmd:date>
            <gmd:dateType>
              <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode"/>
            </gmd:dateType>
          </gmd:CI_Date>
        </gmd:date>
        <gmd:identifier>
          <gmd:RS_Identifier>
            <gmd:code>
              <gco:CharacterString>-- URI kode --
(Erstat)</gco:CharacterString>
            </gmd:code>
            <gmd:codeSpace>
              <gco:CharacterString>-- URI namespace --
(Erstat)</gco:CharacterString>
            </gmd:codeSpace>
          </gmd:RS_Identifier>
        </gmd:identifier>
      </gmd:CI_Citation>
    </gmd:citation>
    <gmd:abstract>
      <gco:CharacterString>Resume (Erstat)</gco:CharacterString>
    </gmd:abstract>
    <gmd:pointOfContact>
      <gmd:CI_ResponsibleParty>
        <gmd:organisationName>
          <gco:CharacterString>-- Organisation ansvarlig for resurse --
(Erstat)</gco:CharacterString>
        </gmd:organisationName>
        <gmd:contactInfo>
          <gmd:CI_Contact>
            <gmd:address>
              <gmd:CI_Address>
                <gmd:electronicMailAddress>
                  <gco:CharacterString>--- resource@xxx.dk ---
</gco:CharacterString>
                </gmd:electronicMailAddress>
              </gmd:CI_Address>
            </gmd:address>
          </gmd:CI_Contact>
        </gmd:contactInfo>
        <gmd:role>
          <gmd:CI_RoleCode codeListValue="resourceProvider"
codeList="./resources/codelists.xml#CI_RoleCode"/>
        </gmd:role>
      </gmd:CI_ResponsibleParty>
    </gmd:pointOfContact>
    <gmd:descriptiveKeywords>
      <gmd:MD_Keywords>
        <gmd:keyword>
          <gco:CharacterString>INSPIRE Tema (erstat)</gco:CharacterString>

```

```

</gmd:keyword>
<gmd:thesaurusName>
  <gmd:CI_Citation>
    <gmd:title>
      <gco:CharacterString>GEMET</gco:CharacterString>
    </gmd:title>
    <gmd:date>
      <gmd:CI_Date>
        <gmd:date>
          <gco>Date>2010-02-05</gco>Date>
        </gmd:date>
        <gmd:dateType>
          <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode" />
        </gmd:dateType>
      </gmd:CI_Date>
    </gmd:date>
  </gmd:CI_Citation>
</gmd:thesaurusName>
</gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
    <gmd:keyword>
      <gco:CharacterString>jord</gco:CharacterString>
    </gmd:keyword>
    <gmd:thesaurusName>
      <gmd:CI_Citation>
        <gmd:title>
          <gco:CharacterString>GEMET</gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco>Date>2010-02-05</gco>Date>
            </gmd:date>
            <gmd:dateType>
              <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode" />
            </gmd:dateType>
          </gmd:CI_Date>
        </gmd:date>
      </gmd:CI_Citation>
    </gmd:thesaurusName>
  </gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
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    </gmd:keyword>
    <gmd:thesaurusName>
      <gmd:CI_Citation>
        <gmd:title>
          <gco:CharacterString>Anden thesaurus (ellers
slet)</gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco>Date>2010-08-25</gco>Date>
            </gmd:date>
            <gmd:dateType>
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codeList="./resources/codelists.xml#CI_DateTypeCode" />
            </gmd:dateType>
          </gmd:CI_Date>
        </gmd:date>
      </gmd:CI_Citation>
    </gmd:thesaurusName>
  </gmd:MD_Keywords>
</gmd:descriptiveKeywords>

```

```

        </gmd:dateType>
    </gmd:CI_Date>
    </gmd:date>
    </gmd:CI_Citation>
    </gmd:thesaurusName>
    </gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:resourceConstraints>
    <gmd:MD_Constraints>
        <gmd:useLimitation>
            <gco:CharacterString>No conditions apply</gco:CharacterString>
        </gmd:useLimitation>
    </gmd:MD_Constraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints>
    <gmd:MD_LegalConstraints>
        <gmd:accessConstraints>
            <gmd:MD_RestrictionCode codeListValue="otherRestrictions"
codeList="./resources/codelists.xml#MD_RestrictionCode"/>
        </gmd:accessConstraints>
        <gmd:otherConstraints>
            <gco:CharacterString>Ingen restriktioner
(erstat)</gco:CharacterString>
        </gmd:otherConstraints>
    </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:spatialResolution>
    <gmd:MD_Resolution>
        <gmd:equivalentScale>
            <gmd:MD_RepresentativeFraction>
                <gmd:denominator>
                    <gco:Integer>20000</gco:Integer>
                </gmd:denominator>
            </gmd:MD_RepresentativeFraction>
        </gmd:equivalentScale>
    </gmd:MD_Resolution>
</gmd:spatialResolution>
<gmd:language>
    <gco:CharacterString>dan</gco:CharacterString>
</gmd:language>
<gmd:topicCategory>
    <gmd:MD_TopicCategoryCode>environment</gmd:MD_TopicCategoryCode>
</gmd:topicCategory>
<gmd:extent>
    <gmd:EX_Extent>
        <gmd:geographicElement>
            <gmd:EX_GeographicBoundingBox>
                <gmd:westBoundLongitude>
                    <gco:Decimal>8.00</gco:Decimal>
                </gmd:westBoundLongitude>
                <gmd:eastBoundLongitude>
                    <gco:Decimal>15.50</gco:Decimal>
                </gmd:eastBoundLongitude>
                <gmd:southBoundLatitude>
                    <gco:Decimal>54.50</gco:Decimal>
                </gmd:southBoundLatitude>
                <gmd:northBoundLatitude>
                    <gco:Decimal>58.00</gco:Decimal>
                </gmd:northBoundLatitude>
            </gmd:EX_GeographicBoundingBox>
        </gmd:geographicElement>
        <gmd:temporalElement>
            <gmd:EX_TemporalExtent>
                <gmd:extent>
                    <gml:TimeInstant gml:id="ID_001">

```

```

                <gml:timePosition>2010-08-25</gml:timePosition>
            </gml:TimeInstant>
        </gmd:extent>
    </gmd:EX_TemporalExtent>
</gmd:temporalElement>
</gmd:EX_Extent>
</gmd:extent>
</gmd:MD_DataIdentification>
</gmd:identificationInfo>
<gmd:distributionInfo>
    <gmd:MD_Distribution>
        <gmd:distributionFormat>
            <gmd:MD_Format>
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avanceret visning)</gco:CharacterString>
                </gmd:name>
                <gmd:version>
                    <gco:CharacterString>version (Hvis behov for flere gå til
avanceret visning)</gco:CharacterString>
                </gmd:version>
            </gmd:MD_Format>
        </gmd:distributionFormat>
        <gmd:transferOptions>
            <gmd:MD_DigitalTransferOptions>
                <gmd:onLine>
                    <gmd:CI_OnlineResource>
                        <gmd:linkage>
                            <gmd:URL>URL1</gmd:URL>
                        </gmd:linkage>
                    </gmd:CI_OnlineResource>
                </gmd:onLine>
            </gmd:MD_DigitalTransferOptions>
        </gmd:transferOptions>
        <gmd:transferOptions>
            <gmd:MD_DigitalTransferOptions>
                <gmd:onLine>
                    <gmd:CI_OnlineResource>
                        <gmd:linkage>
                            <gmd:URL>URL2 (ellers slet)</gmd:URL>
                        </gmd:linkage>
                    </gmd:CI_OnlineResource>
                </gmd:onLine>
            </gmd:MD_DigitalTransferOptions>
        </gmd:transferOptions>
        <gmd:transferOptions>
            <gmd:MD_DigitalTransferOptions>
                <gmd:onLine>
                    <gmd:CI_OnlineResource>
                        <gmd:linkage>
                            <gmd:URL>URL3 (ellers slet)</gmd:URL>
                        </gmd:linkage>
                    </gmd:CI_OnlineResource>
                </gmd:onLine>
            </gmd:MD_DigitalTransferOptions>
        </gmd:transferOptions>
    </gmd:MD_Distribution>
</gmd:distributionInfo>
<gmd:dataQualityInfo>
    <gmd:DQ_DataQuality>
        <gmd:scope>
            <gmd:DQ_Scope>
                <gmd:level>
                    <gmd:MD_ScopeCode codeListValue="dataset"
codeList="./resources/codelists.xml#MD_ScopeCode"/>
                </gmd:level>
            </gmd:DQ_Scope>
        </gmd:scope>
    </gmd:DQ_DataQuality>
</gmd:dataQualityInfo>

```

```

        </gmd:level>
    </gmd:DQ_Scope>
</gmd:scope>
<gmd:report>
    <gmd:DQ_DomainConsistency>
        <gmd:result>
            <gmd:DQ_ConformanceResult>
                <gmd:specification>
                    <gmd:CI_Citation>
                        <gmd:title>
                            <gco:CharacterString>Specification
(Erstat)</gco:CharacterString>
                        </gmd:title>
                        <gmd:date>
                            <gmd:CI_Date>
                                <gmd:date>
                                    <gco:Date>2010-01-07</gco:Date>
                                </gmd:date>
                                <gmd:dateType>
                                    <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode" />
                                </gmd:dateType>
                            </gmd:CI_Date>
                        </gmd:date>
                    </gmd:CI_Citation>
                </gmd:specification>
                <gmd:explanation>
                    <gco:CharacterString>--- Forklaring af overensstemmelse ----
(Erstat)</gco:CharacterString>
                </gmd:explanation>
                <gmd:pass>
                    <gco:Boolean>>false</gco:Boolean>
                </gmd:pass>
            </gmd:DQ_ConformanceResult>
        </gmd:result>
    </gmd:DQ_DomainConsistency>
</gmd:report>
<gmd:lineage>
    <gmd:LI_Lineage>
        <gmd:statement>
            <gco:CharacterString>--- Information om process historik og
kvalitet --- (Erstat)</gco:CharacterString>
        </gmd:statement>
    </gmd:LI_Lineage>
</gmd:lineage>
</gmd:DQ_DataQuality>
</gmd:dataQualityInfo>
</gmd:MD_Metadata>
</csw:Insert>
</csw:Transaction>
</soap:Body>
</soap:Envelope>

```

Eksempel på opdatering:

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:oas="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-security-secext-
1.0.xsd" xmlns:csw="http://www.opengis.net/cat/csw/2.0.2"
xmlns:ogc="http://www.opengis.net/ogc">
    <soap:Header>
        <oas:Security>
            <oas:UsernameToken>
                <oas:Username>Brugernavn</oas:Username>
                <oas:Password>Password</oas:Password>
            </oas:UsernameToken>
        </oas:Security>
    </soap:Header>

```



```

        <gmd:date>
          <gco:Date>2010-08-25</gco:Date>
        </gmd:date>
        <gmd:dateType>
          <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode"/>
        </gmd:dateType>
        </gmd:CI_Date>
      </gmd:date>
      <gmd:identifier>
        <gmd:RS_Identifier>
          <gmd:code>
            <gco:CharacterString>-- URI kode --
(Erstat)</gco:CharacterString>
          </gmd:code>
          <gmd:codeSpace>
            <gco:CharacterString>-- URI namespace --
(Erstat)</gco:CharacterString>
          </gmd:codeSpace>
        </gmd:RS_Identifier>
      </gmd:identifier>
    </gmd:CI_Citation>
  </gmd:citation>
  <gmd:abstract>
    <gco:CharacterString>Resume (Erstat)</gco:CharacterString>
  </gmd:abstract>
  <gmd:pointOfContact>
    <gmd:CI_ResponsibleParty>
      <gmd:organisationName>
        <gco:CharacterString>-- Organisation ansvarlig for resurse --
(Erstat)</gco:CharacterString>
      </gmd:organisationName>
      <gmd:contactInfo>
        <gmd:CI_Contact>
          <gmd:address>
            <gmd:CI_Address>
              <gmd:electronicMailAddress>
                <gco:CharacterString>--- resource@xxx.dk ---
</gco:CharacterString>
              </gmd:electronicMailAddress>
            </gmd:CI_Address>
          </gmd:address>
        </gmd:CI_Contact>
      </gmd:contactInfo>
      <gmd:role>
        <gmd:CI_RoleCode codeListValue="resourceProvider"
codeList="./resources/codelists.xml#CI_RoleCode"/>
      </gmd:role>
    </gmd:CI_ResponsibleParty>
  </gmd:pointOfContact>
  <gmd:descriptiveKeywords>
    <gmd:MD_Keywords>
      <gmd:keyword>
        <gco:CharacterString>INSPIRE Tema (erstat)</gco:CharacterString>
      </gmd:keyword>
      <gmd:thesaurusName>
        <gmd:CI_Citation>
          <gmd:title>
            <gco:CharacterString>GEMET</gco:CharacterString>
          </gmd:title>
          <gmd:date>
            <gmd:CI_Date>
              <gmd:date>
                <gco:Date>2010-02-05</gco:Date>
              </gmd:date>
            </gmd:CI_Date>
          </gmd:date>
        </gmd:CI_Citation>
      </gmd:thesaurusName>
    </gmd:MD_Keywords>
  </gmd:descriptiveKeywords>

```

```

        <gmd:dateType>
          <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode" />
        </gmd:dateType>
      </gmd:CI_Date>
    </gmd:date>
  </gmd:CI_Citation>
</gmd:thesaurusName>
</gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
    <gmd:keyword>
      <gco:CharacterString>jord</gco:CharacterString>
    </gmd:keyword>
  </gmd:thesaurusName>
  <gmd:CI_Citation>
    <gmd:title>
      <gco:CharacterString>GEMET</gco:CharacterString>
    </gmd:title>
    <gmd:date>
      <gmd:CI_Date>
        <gmd:date>
          <gco>Date>2010-02-05</gco>Date>
        </gmd:date>
        <gmd:dateType>
          <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode" />
        </gmd:dateType>
      </gmd:CI_Date>
    </gmd:date>
  </gmd:CI_Citation>
</gmd:thesaurusName>
</gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
    <gmd:keyword>
      <gco:CharacterString>Eksempel (erstat)</gco:CharacterString>
    </gmd:keyword>
  </gmd:thesaurusName>
  <gmd:CI_Citation>
    <gmd:title>
      <gco:CharacterString>Anden thesaurus (ellers
slet)</gco:CharacterString>
    </gmd:title>
    <gmd:date>
      <gmd:CI_Date>
        <gmd:date>
          <gco>Date>2010-08-25</gco>Date>
        </gmd:date>
        <gmd:dateType>
          <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode" />
        </gmd:dateType>
      </gmd:CI_Date>
    </gmd:date>
  </gmd:CI_Citation>
</gmd:thesaurusName>
</gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:resourceConstraints>
  <gmd:MD_Constraints>
    <gmd:useLimitation>
      <gco:CharacterString>No conditions apply</gco:CharacterString>
    </gmd:useLimitation>
  </gmd:MD_Constraints>
</gmd:resourceConstraints>

```

```

        </gmd:useLimitation>
    </gmd:MD_Constraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints>
    <gmd:MD_LegalConstraints>
        <gmd:accessConstraints>
            <gmd:MD_RestrictionCode codeListValue="otherRestrictions"
codeList="./resources/codelists.xml#MD_RestrictionCode"/>
        </gmd:accessConstraints>
        <gmd:otherConstraints>
            <gco:CharacterString>Ingen restriktioner
(erstat)</gco:CharacterString>
        </gmd:otherConstraints>
    </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:spatialResolution>
    <gmd:MD_Resolution>
        <gmd:equivalentScale>
            <gmd:MD_RepresentativeFraction>
                <gmd:denominator>
                    <gco:Integer>20000</gco:Integer>
                </gmd:denominator>
            </gmd:MD_RepresentativeFraction>
        </gmd:equivalentScale>
    </gmd:MD_Resolution>
</gmd:spatialResolution>
<gmd:language>
    <gco:CharacterString>dan</gco:CharacterString>
</gmd:language>
<gmd:topicCategory>
    <gmd:MD_TopicCategoryCode>environment</gmd:MD_TopicCategoryCode>
</gmd:topicCategory>
<gmd:extent>
    <gmd:EX_Extent>
        <gmd:geographicElement>
            <gmd:EX_GeographicBoundingBox>
                <gmd:westBoundLongitude>
                    <gco:Decimal>8.00</gco:Decimal>
                </gmd:westBoundLongitude>
                <gmd:eastBoundLongitude>
                    <gco:Decimal>15.50</gco:Decimal>
                </gmd:eastBoundLongitude>
                <gmd:southBoundLatitude>
                    <gco:Decimal>54.50</gco:Decimal>
                </gmd:southBoundLatitude>
                <gmd:northBoundLatitude>
                    <gco:Decimal>58.00</gco:Decimal>
                </gmd:northBoundLatitude>
            </gmd:EX_GeographicBoundingBox>
        </gmd:geographicElement>
        <gmd:temporalElement>
            <gmd:EX_TemporalExtent>
                <gmd:extent>
                    <gml:TimeInstant gml:id="ID_001">
                        <gml:timePosition>2010-08-25</gml:timePosition>
                    </gml:TimeInstant>
                </gmd:extent>
            </gmd:EX_TemporalExtent>
        </gmd:temporalElement>
    </gmd:EX_Extent>
</gmd:extent>
</gmd:MD_DataIdentification>
</gmd:identificationInfo>
<gmd:distributionInfo>
    <gmd:MD_Distribution>

```

```

    <gmd:distributionFormat>
      <gmd:MD_Format>
        <gmd:name>
          <gco:CharacterString>format (Hvis behov for flere gå til
avanceret visning)</gco:CharacterString>
        </gmd:name>
        <gmd:version>
          <gco:CharacterString>version (Hvis behov for flere gå til
avanceret visning)</gco:CharacterString>
        </gmd:version>
      </gmd:MD_Format>
    </gmd:distributionFormat>
    <gmd:transferOptions>
      <gmd:MD_DigitalTransferOptions>
        <gmd:onLine>
          <gmd:CI_OnlineResource>
            <gmd:linkage>
              <gmd:URL>URL1</gmd:URL>
            </gmd:linkage>
          </gmd:CI_OnlineResource>
        </gmd:onLine>
      </gmd:MD_DigitalTransferOptions>
    </gmd:transferOptions>
    <gmd:transferOptions>
      <gmd:MD_DigitalTransferOptions>
        <gmd:onLine>
          <gmd:CI_OnlineResource>
            <gmd:linkage>
              <gmd:URL>URL2 (ellers slet)</gmd:URL>
            </gmd:linkage>
          </gmd:CI_OnlineResource>
        </gmd:onLine>
      </gmd:MD_DigitalTransferOptions>
    </gmd:transferOptions>
    <gmd:transferOptions>
      <gmd:MD_DigitalTransferOptions>
        <gmd:onLine>
          <gmd:CI_OnlineResource>
            <gmd:linkage>
              <gmd:URL>URL3 (ellers slet)</gmd:URL>
            </gmd:linkage>
          </gmd:CI_OnlineResource>
        </gmd:onLine>
      </gmd:MD_DigitalTransferOptions>
    </gmd:transferOptions>
  </gmd:MD_Distribution>
</gmd:distributionInfo>
<gmd:dataQualityInfo>
  <gmd:DQ_DataQuality>
    <gmd:scope>
      <gmd:DQ_Scope>
        <gmd:level>
          <gmd:MD_ScopeCode codeListValue="dataset "
codeList="./resources/codelists.xml#MD_ScopeCode"/>
        </gmd:level>
      </gmd:DQ_Scope>
    </gmd:scope>
  </gmd:report>
  <gmd:DQ_DomainConsistency>
    <gmd:result>
      <gmd:DQ_ConformanceResult>
        <gmd:specification>
          <gmd:CI_Citation>
            <gmd:title>

```

```

        <gco:CharacterString>Specification
(Erstat)</gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco>Date>2010-01-07</gco>Date>
            </gmd:date>
            <gmd:dateType>
              <gmd:CI_DateTypeCode codeListValue="publication"
codeList="./resources/codelists.xml#CI_DateTypeCode"/>
            </gmd:dateType>
          </gmd:CI_Date>
        </gmd:date>
        </gmd:CI_Citation>
      </gmd:specification>
      <gmd:explanation>
        <gco:CharacterString>--- Forklaring af overensstemmelse ----
(Erstat)</gco:CharacterString>
      </gmd:explanation>
      <gmd:pass>
        <gco:Boolean>>false</gco:Boolean>
      </gmd:pass>
    </gmd:DQ_ConformanceResult>
  </gmd:result>
</gmd:DQ_DomainConsistency>
</gmd:report>
<gmd:lineage>
  <gmd:LI_Lineage>
    <gmd:statement>
      <gco:CharacterString>--- Information om process historik og
kvalitet --- (Erstat)</gco:CharacterString>
    </gmd:statement>
  </gmd:LI_Lineage>
</gmd:lineage>
</gmd:DQ_DataQuality>
</gmd:dataQualityInfo>
</gmd:MD_Metadata>
  <csw:Constraint version="1.0.0">
    <Filter xmlns="http://www.opengis.net/ogc"
xmlns:gml="http://www.opengis.net/gml">
      <PropertyIsLike wildCard="%" singleChar="_" escapeChar="\ ">
        <PropertyName>apiso:identifiser</PropertyName>
        <Literal>bf7ab961-a69f-48e9-a6da-61c207de86d6</Literal>
      </PropertyIsLike>
    </Filter>
  </csw:Constraint>
</csw:Update>
</csw:Transaction>
</soap:Body>
</soap:Envelope>

```

Læg mærke til at dette er en opdatering baseret på UUID indikeret ved filteret i slutningen af forespørgslen. Filteret er markeret med **fed**. Ellers er resten af forespørgslen lig indsættelsesforespørgslen.

Eksempel på sletning baseret på UUID:

```

<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:oas="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-
1.0.xsd" xmlns:csw="http://www.opengis.net/cat/csw/2.0.2"
xmlns:ogc="http://www.opengis.net/ogc">
  <soap:Header>

```

```

<oas:Security>
  <oas:UsernameToken>
    <oas:Username>Brugernavn</oas:Username>
    <oas:Password>Password</oas:Password>
  </oas:UsernameToken>
</oas:Security>
</soap:Header>
<soap:Body>
<csw:Transaction xmlns:csw="http://www.opengis.net/cat/csw/2.0.2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:gmd="http://www.isotc211.org/2005/gmd"
xsi:schemaLocation="http://www.opengis.net/cat/csw/2.0.2
http://schemas.opengis.net/csw/2.0.2/CSW-publication.xsd
http://www.isotc211.org/2005/gmd
http://schemas.opengis.net/iso/19139/20060504/gmd/gmd.xsd" service="CSW"
version="2.0.2" >
  <csw:delete>
    <csw:Constraint version="1.0.0">
      <ogc:Filter>
        <ogc:PropertyIsLike wildCard="%" singleChar="_" escape="/">
          <ogc:PropertyName>apiso:identifier</ogc:PropertyName>
          <ogc:Literal>UUID</ogc:Literal>
        </ogc:PropertyIsLike>
      </ogc:Filter>
    </csw:Constraint>
  </csw:delete>
</csw:Transaction>
</soap:Body>
</soap:Envelope>

```

Operationer der understøtter HTTP GET – KVP

To operationer understøtter HTTP GET – Key value pair.

GetCapabilities

GetCapabilities kaldes ved følgende URL:

```

http://www.geodata-
info.dk/registrant/srv/en/csw?service=CSW&version=2.0.2&request=GetCapabilities

```

Dette kald returnerer capabilities fra søgetjenesten. Capabilities indeholder udvidelser i forhold til OGC CSW standarden for at understøtte INSPIRE. Skemaet, som capabilities opfylder, findes på:

```

http://schemas.kms.dk/INSPIRE/Discovery/INSPIRE_ExtendedCapabilities_CSW_202.xsd

```

GetRecordById

GetRecordById er operationen, der baseret på en UUID kan hente en specifik metadata record. Operationen kaldes ved følgende URL:

```

http://www.geodata-
info.dk/registrant/srv/en/csw?SERVICE=CSW&VERSION=2.0.2&REQUEST=GetRecordById&ID=a4dd571b
-8c58-4b76-b1cb-f47715b43f58

```

Denne forespørgsel returnerer et dublin core summary af den record, der har denne UUID. Feks.:

```
<csw:GetRecordByIdResponse xmlns:csw="http://www.opengis.net/cat/csw/2.0.2">
  <csw:SummaryRecord xmlns:geonet="http://www.fao.org/geonetwork"
xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:dct="http://purl.org/dc/terms/">
  <dc:identifier>a4dd571b-8c58-4b76-b1cb-f47715b43f58</dc:identifier>
  <dc:title>Geodata-info.dk</dc:title>
  <dc:type>service</dc:type>
  <dc:subject>humanCatalogueViewer</dc:subject>
  <dc:format>CSW</dc:format>
  <dct:abstract>Geodata-info.dk er den danske portal til søgning af geodatasæt og
tjenester, der opfylder de krav, som er opstillet i INSPIRE-direktivet
(2007/2/EF).</dct:abstract>
  </csw:SummaryRecord>
</csw:GetRecordByIdResponse>
```

Hvis der ønskes den fulde record i ISO format, kan parametren `outputSchema=csw:IsoRecord` benyttes. For nærmere beskrivelse af parametre og operationerne henvises til OGC CSW standarden.

Referencer

Forordning nr. 976/2009 for så vidt angår net tjenesterne. <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:257:0043:0061:DA:PDF>

OGC Catalogue Services Specification 2.0.2 - ISO Metadata Application Profile for CSW 2.0, version 1.0.0. http://portal.opengeospatial.org/files/?artifact_id=21460

Technical Guidance for INSPIRE Discovery Services version 2.12. http://inspire.jrc.ec.europa.eu/documents/Network_Services/Technical_Guidance_Discovery_Services_v2.12.pdf