

TEMPLATE 3: Dataset Discovery Metadata / INSPIRE compliant

This file was tested with GI-Cat and validated against INSPIRE schemata. Some details remain to be clarified.

```
<?xml version="1.0" encoding="UTF-8"?>
<gmi:MI_Metadata
  xsi:schemaLocation="http://www.isotc211.org/2005/gmd
http://schemas.opengis.net/iso/19139/20060504/gmd/gmd.xsd http://www.isotc211.org/2005/srv
http://schemas.opengis.net/iso/19139/20060504/srv/srv.xsd http://www.isotc211.org/2005/gmi
http://www.isotc211.org/2005/gmi/gmi.xsd"
  xmlns:gmd="http://www.isotc211.org/2005/gmd"
  xmlns:gco="http://www.isotc211.org/2005/gco"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:gml="http://www.opengis.net/gml"
  xmlns:srv="http://www.isotc211.org/2005/srv"
  xmlns:gmi="http://www.isotc211.org/2005/gmi"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  >
  <gmd:fileIdentifier>
    <gco:CharacterString>http://geodata.fz-juelich.de/metadata/inspire/macc_fnyp_co.xml1
    </gco:CharacterString>
  </gmd:fileIdentifier>
  <gmd:language>
    <gmd:LanguageCode codeList="http://www.loc.gov/standards/iso639-2/
      codeListValue="eng">eng</gmd:LanguageCode>
  </gmd:language>
  <gmd:characterSet>
    <gmd:MD_CharacterSetCode codeSpace="ISOTC211/19115"
      codeListValue="MD_CharacterSetCode_utf8"
      codeList="http://www.isotc211.org/2005/resources/Codelist/
gmxCodelists.xml#MD_CharacterSetCode">MD_CharacterSetCode_utf8
    </gmd:MD_CharacterSetCode>
  </gmd:characterSet>
  <!--parentIdentifier copied from Datafed example; will certainly need to change uuid!; what
means "parent"? -->
  <gmd:parentIdentifier>
    <gco:CharacterString>urn:uuid:089197b9-3abd-42fb-afe2-c431cdd2204f
    </gco:CharacterString>
  </gmd:parentIdentifier>
  <gmd:hierarchyLevel>
    <gmd:MD_ScopeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD_ScopeCode"
codeListValue="dataset">dataset</gmd:MD_ScopeCode>
    </gmd:hierarchyLevel>
    <!-- hierarchyLevelName adopted from Datafed record. Does it make sense to use variable name
here? -->
    <gmd:hierarchyLevelName>
      <gco:CharacterString>vmr_co</gco:CharacterString>
```

¹ Metadata files should be made available under a quasi-permanent URL

```

</gmd:hierarchyLevelName>
<gmd:contact>
  <gmd:CI_ResponsibleParty>
    <gmd:organisationName>
      <gco:CharacterString>Forschungszentrum Jülich GmbH</gco:CharacterString>
    </gmd:organisationName>
    <gmd:contactInfo>
      <gmd:CI_Contact>
        <gmd:address>
          <gmd:CI_Address>
            <gmd:electronicMailAddress>
              <gco:CharacterString>m.schultz@fz-juelich.de</gco:CharacterString>
            </gmd:electronicMailAddress>
          </gmd:CI_Address>
        </gmd:address>
        <!-- onlineResource is from Datafed -->
        <gmd:onlineResource>
          <gmd:CI_OnlineResource>
            <gmd:linkage>
              <gmd:URL>http://wiki.esipfed.org/index.php/MACC</gmd:URL>
            </gmd:linkage>
          </gmd:CI_OnlineResource>
        </gmd:onlineResource>
      </gmd:CI_Contact>
    </gmd:contactInfo>
    <gmd:role>
      <gmd:CI_RoleCode
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/C
odelist/gmxCodelists.xml#CI_RoleCode"
codeListValue="resourceProvider">resourceProvider</gmd:CI_RoleCode>
      </gmd:role>
    </gmd:CI_ResponsibleParty>
  </gmd:contact>
</gmd:dateStamp>
  <gco>Date>2012-06-26</gco>Date>
</gmd:dateStamp>
<!-- original INSPIRE code -->
<!--
<gmd:metadataStandardName>
  <gco:CharacterString>ISO19115</gco:CharacterString>
</gmd:metadataStandardName>
<gmd:metadataStandardVersion>
  <gco:CharacterString>2003/Cor.1:2006</gco:CharacterString>
</gmd:metadataStandardVersion>
-->
<gmd:metadataStandardName>
  <gco:CharacterString>ISO 19115-1 Geographic Information - Metadata Part 2 Extensions for
imagery and gridded data</gco:CharacterString>
</gmd:metadataStandardName>
<gmd:metadataStandardVersion>
  <gco:CharacterString>ISO 19115-1:2012</gco:CharacterString>
</gmd:metadataStandardVersion>
<!-- from Datafed -->

```

```

<gmd:referenceSystemInfo>
  <gmd:MD_ReferenceSystem>
    <gmd:referenceSystemIdentifier>
      <gmd:RS_Identifier>
        <gmd:code>
          <gco:CharacterString>EPSG:4326</gco:CharacterString>
        </gmd:code>
      </gmd:RS_Identifier>
    </gmd:referenceSystemIdentifier>
  </gmd:MD_ReferenceSystem>
</gmd:referenceSystemInfo>
<gmd:identificationInfo>
  <gmd:MD_DataIdentification>
    <gmd:citation>
      <gmd:CI_Citation>
        <gmd:title>
          <gco:CharacterString>MACC Global Atmospheric Composition
Forecast</gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <!-- creation date of metadata record-->
          <gmd:CI_Date>
            <gmd:date>
              <gco:Date>2012-06-26</gco:Date>
            </gmd:date>
            <gmd:dateType>
              <gmd:CI_DateTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodellists.xml#CI_DateTypeCode"
codeListValue="creation">creation</gmd:CI_DateTypeCode>
            </gmd:dateType>
          </gmd:CI_Date>
        </gmd:date>
      </gmd:date>
      <!-- publication date-->
      <gmd:CI_Date>
        <gmd:date>
          <gco:Date>2012-06-26</gco:Date>
        </gmd:date>
        <gmd:dateType>
          <gmd:CI_DateTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodellists.xml#CI_DateTypeCode"
codeListValue="publication">publication</gmd:CI_DateTypeCode>
        </gmd:dateType>
      </gmd:CI_Date>
    </gmd:date>
  </gmd:date>
  <!-- revision date-->
  <gmd:CI_Date>
    <gmd:date>
      <gco:Date>2012-06-26</gco:Date>
    </gmd:date>
    <gmd:dateType>

```

```

        <gmd:CI_DateTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#CI_DateTypeCode"
codeListValue="revision">revision</gmd:CI_DateTypeCode>
        </gmd:dateType>
        </gmd:CI_Date>
</gmd:date>
<!-- from INSPIRE editor: not entirely clear what should go in here / perhaps same
as meant by parentIdentifier in Datafed? -->
        <gmd:identifier>
        <gmd:RS_Identifier>
        <gmd:code>
        <gco:CharacterString>doi:*****</gco:CharacterString>
        </gmd:code>
        </gmd:RS_Identifier>
        </gmd:identifier>
</gmd:CI_Citation>
</gmd:citation>
<b>gmd:abstract</b>
        <gco:CharacterString>MACC Global Atmospheric Composition Forecasts are
generated from the GMES precursor atmosphere service project "Monitoring Atmospheric
Composition and Climate". The forecasts constitute of satellite data assimilation of
meteorological and chemical variables performed at the European Centre for Medium Range
Weather Forecasts (ECMWF), and meteorological and chemical forecast simulations for up to 5 days
into the future. The assimilated chemical variables are ozone columns and vertical profiles, CO
columns, NO2 columns, and aerosol optical depth from multiple satellite instruments. More
information about the MACC project and products is available at http://www.gmes-atmosphere.eu.
The Jülich web service postprocesses the original output from the MACC assimilation and forecast
run to provide a homogenous and interoperable access to the data in netcdf-cf
format.</gco:CharacterString>
        </gmd:abstract>
        <gmd:pointOfContact>
        <gmd:CI_ResponsibleParty>
        <b>!-- originator--</b>
        <gmd:organisationName>
        <gco:CharacterString>European Centre for Medium Range Weather
Forecasts</gco:CharacterString>
        </gmd:organisationName>
        <gmd:contactInfo>
        <gmd:CI_Contact>
        <gmd:address>
        <gmd:CI_Address>
        <gmd:electronicMailAddress>
        <gco:CharacterString>v.-h.peuch@ecmwf.int
        </gco:CharacterString>
        </gmd:electronicMailAddress>
        </gmd:CI_Address>
        </gmd:address>
        </gmd:CI_Contact>
        </gmd:contactInfo>
        <gmd:role>
        <gmd:CI_RoleCode
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/C
odelist/gmxCodelists.xml#CI_RoleCode" codeListValue="originator">originator</gmd:CI_RoleCode>

```

```

        </gmd:role>
    </gmd:CI_ResponsibleParty>
</gmd:pointOfContact>
<gmd:pointOfContact>
    <gmd:CI_ResponsibleParty>
        <!-- resourceProvider-->
        <gmd:organisationName>
            <gco:CharacterString>Forschungszentrum Jülich GmbH</gco:CharacterString>
        </gmd:organisationName>
        <gmd:contactInfo>
            <gmd:CI_Contact>
                <gmd:address>
                    <gmd:CI_Address>
                        <!-- copied from Datafed -->
                        <gmd:deliveryPoint>
                            <gco:CharacterString>Wilhelm-Johnen-
Strasse</gco:CharacterString>
                                </gmd:deliveryPoint>
                                <gmd:city>
                                    <gco:CharacterString>Juelich</gco:CharacterString>
                                </gmd:city>
                                <gmd:administrativeArea>
                                    <gco:CharacterString>NRW</gco:CharacterString>
                                </gmd:administrativeArea>
                                <gmd:postalCode>
                                    <gco:CharacterString>52428</gco:CharacterString>
                                </gmd:postalCode>
                                <gmd:country>
                                    <gco:CharacterString>Germany</gco:CharacterString>
                                </gmd:country>
                                <gmd:electronicMailAddress>
                                    <gco:CharacterString>m.schultz@fz-juelich.de
                                    </gco:CharacterString>
                                </gmd:electronicMailAddress>
                            </gmd:CI_Address>
                        </gmd:address>
                        <!-- copied from Datafed -->
                        <gmd:onlineResource>
                            <gmd:CI_OnlineResource>
                                <gmd:linkage>
                                    <gmd:URL>http://www.fz-juelich.de/iek/iek-
8/DE/UeberUns/Projekte/MACC/MACC.html</gmd:URL>
                                </gmd:linkage>
                            </gmd:CI_OnlineResource>
                        </gmd:onlineResource>
                    </gmd:CI_Contact>
                </gmd:contactInfo>
            </gmd:role>
            <gmd:CI_RoleCode
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/C
odelist/gmxCodelists.xml#CI_RoleCode"
codeListValue="resourceProvider">resourceProvider</gmd:CI_RoleCode>

```

```

        </gmd:role>
    </gmd:CI_ResponsibleParty>
</gmd:pointOfContact>
<b>gmd:descriptiveKeywords</b>
    <gmd:MD_Keywords>
        <gmd:keyword>
            <gco:CharacterString>Atmospheric conditions</gco:CharacterString>
        </gmd:keyword>
        <gmd:thesaurusName>
            <gmd:CI_Citation>
                <gmd:title>
                    <gco:CharacterString>GEMET - INSPIRE themes, version
1.0</gco:CharacterString>
                </gmd:title>
                <gmd:date>
                    <gmd:CI_Date>
                        <gmd:date>
                            <gco>Date>2008-06-01</gco>Date>
                        </gmd:date>
                        <gmd:dateType>
                            <gmd:CI_DateTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodeLists.xml#CI_DateTypeCode"
codeListValue="publication">publication</gmd:CI_DateTypeCode>
                            </gmd:dateType>
                        </gmd:CI_Date>
                    </gmd:date>
                </gmd:CI_Citation>
            </gmd:thesaurusName>
        </gmd:MD_Keywords>
    </gmd:descriptiveKeywords>
    <!-- from Datafed: usage??-->
    <b>gmd:descriptiveKeywords</b>
        <gmd:MD_Keywords>
            <gmd:keyword>
                <gco:CharacterString>Get Service &gt; Get Web Coverage Service (WCS)
</gco:CharacterString>
            </gmd:keyword>
            <gmd:type>
                <gmd:MD_KeywordTypeCode
codeList="./resources/codeList.xml#MD_KeywordTypeCode"
codeListValue="theme">theme</gmd:MD_KeywordTypeCode>
            </gmd:type>
            <gmd:thesaurusName
                xlink:href="http://www.ngdc.noaa.gov/docucomp/9f0de6e0-428b-11df-9879-
0800200c9a66"
                xlink:title="URL Content Type Units"/>
            </gmd:MD_Keywords>
    </gmd:descriptiveKeywords>
    <b>gmd:descriptiveKeywords</b>
        <gmd:MD_Keywords>
            <gmd:keyword>
                <gco:CharacterString>Atmosphere &gt; Air Quality &gt;
Aerosol</gco:CharacterString>

```

```

        </gmd:keyword>
        <gmd:type>
            <gmd:MD_KeywordTypeCode
codeList="/resources/codeList.xml#MD_KeywordTypeCode"
codeListValue="theme">theme</gmd:MD_KeywordTypeCode>
            </gmd:type>
            <gmd:thesaurusName
                xlink:href="http://www.ngdc.noaa.gov/docucomp/227737d0-428b-11df-
9879-0800200c9a66"
                xlink:title="GCMD Science Keywords"/>
        </gmd:MD_Keywords>
    </gmd:descriptiveKeywords>
    <gmd:descriptiveKeywords>
        <gmd:MD_Keywords>
            <gmd:keyword>
                <gco:CharacterString>NEED TO MAP PLATFORM
KEYWORDS</gco:CharacterString>
            </gmd:keyword>
            <gmd:type>
                <gmd:MD_KeywordTypeCode
codeList="/resources/codeList.xml#MD_KeywordTypeCode"
codeListValue="platform">platform</gmd:MD_KeywordTypeCode>
            </gmd:type>
            <gmd:thesaurusName
                xlink:href="http://www.ngdc.noaa.gov/docucomp/227737d0-428b-11df-
9879-0800200c9a66"
                xlink:title="GCMD Science Keywords"/>
        </gmd:MD_Keywords>
    </gmd:descriptiveKeywords>
    <gmd:descriptiveKeywords>
        <gmd:MD_Keywords>
            <gmd:keyword>
                <gco:CharacterString>Vertical:Layer</gco:CharacterString>
            </gmd:keyword>
            <gmd:type>
                <gmd:MD_KeywordTypeCode
codeList="/resources/codeList.xml#MD_KeywordTypeCode"
codeListValue="theme">theme</gmd:MD_KeywordTypeCode>
            </gmd:type>
        </gmd:MD_Keywords>
    </gmd:descriptiveKeywords>
    <gmd:descriptiveKeywords>
        <gmd:MD_Keywords>
            <gmd:keyword>
                <gco:CharacterString>NEED TO MAP PARAMETER
KEYWORDS</gco:CharacterString>
            </gmd:keyword>
            <gmd:type>
                <gmd:MD_KeywordTypeCode
codeList="/resources/codeList.xml#MD_KeywordTypeCode"
codeListValue="theme">theme</gmd:MD_KeywordTypeCode>
            </gmd:type>
            <gmd:thesaurusName

```

```

xlink:href="http://www.ngdc.noaa.gov/docucomp/227737d0-428b-11df-
9879-0800200c9a66"
xlink:title="GCMD Science Keywords"/>
</gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
    <gmd:keyword>
      <gco:CharacterString>T:Hourly - &lt; Daily</gco:CharacterString>
    </gmd:keyword>
    <gmd:type>
      <gmd:MD_KeywordTypeCode
codeList="http://www.ngdc.noaa.gov/metadata/published/xsd/schema/resources/Codelist/gmxCod
elists.xml#MD_KeywordTypeCode"
codeListValue="temporal">temporal</gmd:MD_KeywordTypeCode>
    </gmd:type>
    <gmd:thesaurusName
xlink:href="http://www.ngdc.noaa.gov/docucomp/9f0de6e2-428b-11df-9879-
0800200c9a66"
xlink:title="GCMD Data Resolution Keywords"/>
  </gmd:MD_Keywords>
</gmd:descriptiveKeywords>
<!-- now descriptive keywords entered through the INSPIRE editor-->
<gmd:descriptiveKeywords>
  <gmd:MD_Keywords>
    <gmd:keyword>
      <gco:CharacterString>atmospheric composition</gco:CharacterString>
    </gmd:keyword>
    <gmd:thesaurusName>
      <gmd:CI_Citation>
        <gmd:title>
          <gco:CharacterString>CF (?) [add URL?]</gco:CharacterString>
        </gmd:title>
        <gmd:date>
          <gmd:CI_Date>
            <gmd:date>
              <gco:Date>2012-06-26</gco:Date>
            </gmd:date>
            <gmd:dateType>
              <gmd:CI_DateTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#CI_DateTypeCode"
codeListValue="publication">publication</gmd: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>geossNoMonetaryCharge</gco:CharacterString>

```



```

        </gmd:useLimitation>
    </gmd:MD_Constraints>
</gmd:resourceConstraints>
<gmd:resourceConstraints>
    <gmd:MD_LegalConstraints>
        <gmd:accessConstraints>
            <gmd:MD_RestrictionCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD_RestrictionCode
" codeListValue="otherRestrictions">otherRestrictions</gmd:MD_RestrictionCode>
        </gmd:accessConstraints>
        <gmd:otherConstraints>
            <gco:CharacterString>no limitation</gco:CharacterString>
        </gmd:otherConstraints>
    </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
<gmd:spatialResolution>
    <gmd:MD_Resolution>
        <gmd:distance>
            <gco:Distance uom="degrees">1</gco:Distance>
        </gmd:distance>
    </gmd:MD_Resolution>
</gmd:spatialResolution>
<gmd:language>
    <gmd:LanguageCode codeList="http://www.loc.gov/standards/iso639-2/"
codeListValue="eng">eng</gmd:LanguageCode>
</gmd:language>
<gmd:topicCategory>

    <gmd:MD_TopicCategoryCode>climatologyMeteorologyAtmosphere</gmd:MD_TopicCategoryC
ode>
</gmd:topicCategory>
<gmd:extent>
    <gmd:EX_Extent>
        <gmd:geographicElement>
            <gmd:EX_GeographicBoundingBox>
                <gmd:westBoundLongitude>
                    <gco:Decimal>0.00</gco:Decimal>
                </gmd:westBoundLongitude>
                <gmd:eastBoundLongitude>
                    <gco:Decimal>360.00</gco:Decimal>
                </gmd:eastBoundLongitude>
                <gmd:southBoundLatitude>
                    <gco:Decimal>-90.00</gco:Decimal>
                </gmd:southBoundLatitude>
                <gmd:northBoundLatitude>
                    <gco:Decimal>90.00</gco:Decimal>
                </gmd:northBoundLatitude>
            </gmd:EX_GeographicBoundingBox>
        </gmd:geographicElement>
        <gmd:temporalElement>
            <gmd:EX_TemporalExtent>
                <gmd:extent>

```

```

3317a4cd89be"
    <gml:TimePeriod gml:id="IDcd3b1c4f-b5f7-439a-afc4-
xsi:type="gml:TimePeriodType">
    <gml:beginPosition>2012-06-26</gml:beginPosition>
    <gml:endPosition>9999-12-31</gml:endPosition>
    <!--<gml:endPosition
indeterminatePosition="now">now</gml:endPosition-->
    </gml:TimePeriod>
    </gmd:extent>
    </gmd:EX_TemporalExtent>
    </gmd:temporalElement>
    </gmd:EX_Extent>
    </gmd:extent>
    </gmd:MD_DataIdentification>
</gmd:identificationInfo>
<gmd:distributionInfo>
    <!-- from INSPIRE editor, but unsure what to put here-->
    <gmd:MD_Distribution>
    <gmd:distributionFormat>
    <gmd:MD_Format>
    <gmd:name>
    <gco:CharacterString>image/netcdf</gco:CharacterString>
    </gmd:name>
    <gmd:version>
    <gco:CharacterString>3.0</gco:CharacterString>
    </gmd:version>
    </gmd:MD_Format>
    </gmd:distributionFormat>
    <gmd:transferOptions>
    <gmd:MD_DigitalTransferOptions>
    <gmd:onLine>
    <gmd:CI_OnlineResource>
    <gmd:linkage>
    <gmd:URL>http://macc.icg.kfa-
juelich.de:58080/MACC_Daily_96h_Global_Forecasts?service=WCS&acceptversions=1.1.2&
;Request=GetCapabilities&sections=Contents</gmd:URL>
    </gmd:linkage>
    <gmd:protocol>

    <gco:CharacterString>urn:ogc:serviceType:WebCoverageService:1.1.2</gco:CharacterString>
    </gmd:protocol>
    </gmd:CI_OnlineResource>
    </gmd:onLine>
    </gmd:MD_DigitalTransferOptions>
    </gmd:transferOptions>

    <!-- copied from Datafed-->
    <!--srv:serviceType-->
    <!--gco:LocalName>urn:ogc:serviceType:WebCoverageService:1.1.2</gco:LocalName>
    <!--/srv:serviceType-->

    <srv:couplingType>
    <srv:SV_CouplingType

```

```

codeList="http://www.tc211.org/ISO19139/resources/codeList.xml#SV_CouplingType"
  codeListValue="tight"> </srv:SV_CouplingType>
</srv:couplingType>
<srv:containsOperations>
  <srv:SV_OperationMetadata>
    <srv:operationName>
      <gco:CharacterString>GetCapabilities</gco:CharacterString>
    </srv:operationName>
    <srv:DCP> </srv:DCP>
    <srv:connectPoint>
      <gmd:CI_OnlineResource>
        <gmd:linkage>
          <gmd:URL>http://macc.icg.kfa-
juelich.de:58080/MACC_Daily_96h_Global_Forecasts?service=WCS&acceptversions=1.1.2&
;Request=GetCapabilities</gmd:URL>
        </gmd:linkage>
        <gmd:protocol>
          <gco:CharacterString>http</gco:CharacterString>
        </gmd:protocol>
        <gmd:applicationProfile>
          <gco:CharacterString>web browser</gco:CharacterString>
        </gmd:applicationProfile-->
        <gmd:description>
          <gco:CharacterString>This is an OGC compliant Web Coverage
Service. The engine used to serve this WCS is FZ Juelich</gco:CharacterString>
        </gmd:description>
        <gmd:function>
          <gmd:CI_OnLineFunctionCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodetlists.xml#CI_OnLineFunctionC
ode" codeListValue="information">
            </gmd:CI_OnLineFunctionCode>
          </gmd:function>
        </gmd:CI_OnlineResource>
      </srv:connectPoint>
    </srv:SV_OperationMetadata>
  </srv:containsOperations>
<srv:containsOperations>
  <srv:SV_OperationMetadata>
    <srv:operationName>
      <gco:CharacterString>DescribeCoverage</gco:CharacterString>
    </srv:operationName>
    <srv:DCP> </srv:DCP>
    <srv:connectPoint>
      <gmd:CI_OnlineResource>
        <gmd:linkage-->
          <!-- Check Identifier!-->
          <!--gmd:URL>http://macc.icg.kfa-
juelich.de:58080/MACC_Daily_96h_Global_Forecasts?service=WCS&acceptversions=1.1.2&
;request=DescribeCoverage&Identifiers=MACC</gmd:URL>
        </gmd:linkage>
        <gmd:protocol>
          <gco:CharacterString>http</gco:CharacterString>

```



```

        <gmd:CI_Date>
            <gmd:date>
                <gco:Date>2010-12-08</gco:Date>
            </gmd:date>
            <gmd:dateType>
                <gmd:CI_DateTypeCode
codeList="http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#CI_DateTypeCode"
codeListValue="publication">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/>
</gmd:DQ_ConformanceResult>
</gmd:result>
</gmd:DQ_DomainConsistency>
</gmd:report>
<gmd:lineage>
    <gmd:LI_Lineage>
        <gmd:statement>
            <gco:CharacterString>Original model output created at ECMWF in GRIB2 and
netcdf formats. Model system used is IFS-MOZ. Reprocessed at Forschungszentrum Jülich to
generate uniform netcdf files.</gco:CharacterString>
        </gmd:statement>
    </gmd:LI_Lineage>
</gmd:lineage>
</gmd:DQ_DataQuality>
</gmd:dataQualityInfo>
<!-- copied from Datafed-->
<gmi:acquisitionInformation>
    <gmi:MI_AcquisitionInformation>
        <gmi:instrument>
            <gmi:MI_Instrument>
                <gmi:citation>MUST BE FILLED</gmi:citation>
                <gmi:identifier>MUST BE FILLED</gmi:identifier>
                <gmi:type>
                    <gco:CharacterString>IFS model cycle 37r2 coupled to MOZART 3.5 chemistry
transport model</gco:CharacterString>
                </gmi:type>
            </gmi:MI_Instrument>
        </gmi:instrument>
    </gmi:MI_AcquisitionInformation>
</gmi:acquisitionInformation>
</gmi:MI_Metadata>

```