

Administrativ indelning Nedladdning v1.0 - teknisk beskrivning



Dokumentversion 1.0

Gränssnittsdefinition

Åtkomstpunkt

Atomflöde Produktion	https://api.lantmateriet.se/administrativindelning/atom/v1
Atomflöde Verifiering	https://api-ver.lantmateriet.se/administrativindelning/atom/v1

Inspire

Information

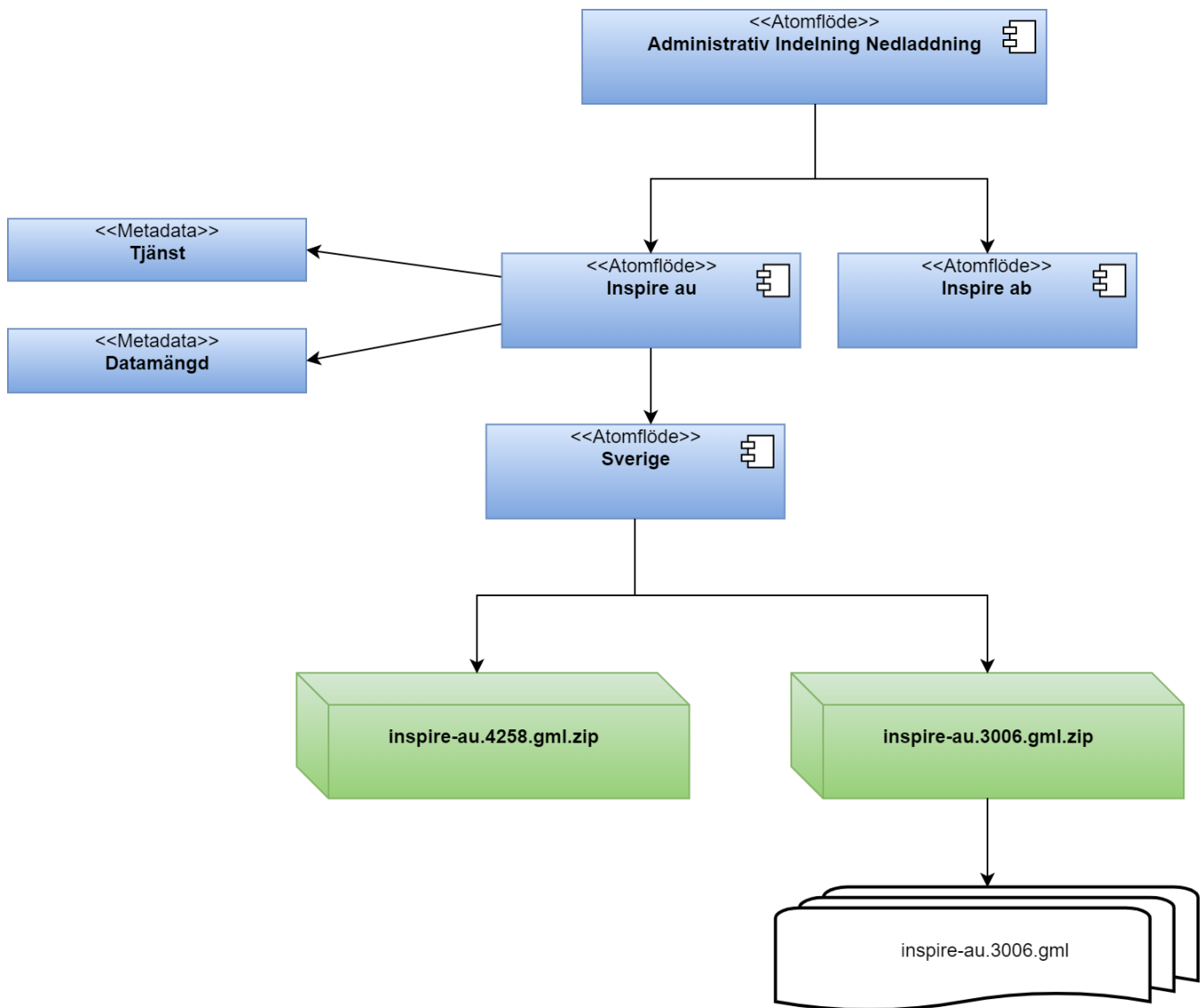
Inspire Administrative Unit	https://inspire.ec.europa.eu/id/document/tg/au
Inspire tekniska riktlinjer	http://inspire.jrc.ec.europa.eu/documents/Network_Services/Technical_Guidance_Download_Services_v3.1.pdf

Schema

Inspire Administrative Unit	http://inspire.ec.europa.eu/schemas/au/4.0/AdministrativeUnits.xsd
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Atomflöde

Logisk struktur



Exempel

Atomflöde för tema, Inspire Administrative Unit

Exempel

```
<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns:georss="http://www.georss.org/georss" xmlns="http://www.w3.org/2005/Atom" xmlns:inspire_dls="
http://inspire.ec.europa.eu/schemas/inspire_dls/1.0" xml:lang="sv">
  <id>https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au</id>
  <title>Inspire Administrative Unit</title>
  <subtitle>Fördefinierade datamängder för Inspire Administrative Unit</subtitle>
  <updated>2019-11-28T17:26:07+01:00</updated>
  <link href="https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au" rel="self" type="
application/atom+xml" hreflang="sv" title="Detta dokument" />
  <link href="https://www.geodata.se/geodataportalen/srv/swe/csw-inspire?
request=GetRecordById&service=CSW&version=2.0.2&elementSetName=full&id=6cfd51fa-3b38-4c96-9849-
3764ee7a703f&outputSchema=csw:IsoRecord" rel="describedby" type="application/vnd.iso.19139+xml" hreflang="sv"
title="Metadata, nedladdningstjänst för Inspire Administrative Unit" />
  <link href="https://www.geodata.se/geodataportalen/GetMetaDataById?id=6cfd51fa-3b38-4c96-9849-3764ee7a703f"
rel="alternate" type="text/html" hreflang="sv" title="Metadata, nedladdningstjänst för Inspire Administrative
Unit (HTML)" />
  <rights>
    Produkten omfattas av upphovsrätt. Avtal för användning krävs, avgifter för användning tas ut.
  </rights>
  <author>
    <name>Geodatasupport</name>
    <email>geodatasupport@lm.se</email>
  </author>
  <entry>
    <id>https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige</id>
    <title>Inspire Administrative Unit, Sverige (sverige)</title>
    <summary>Fördefinierad datamängd Inspire Administrative Unit, Sverige (sverige)</summary>
    <updated>2019-11-28T17:26:07+01:00</updated>
    <inspire_dls:spatial_dataset_identifier_code>sverige</inspire_dls:spatial_dataset_identifier_code>
    <inspire_dls:spatial_dataset_identifier_namespace>SE.LM.AU</inspire_dls:
spatial_dataset_identifier_namespace>
    <link href="https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige" rel="
alternate" type="application/atom+xml" hreflang="sv" title="Inspire Administrative Unit, Sverige (sverige)" />
    <link href="https://www.geodata.se/geodataportalen/srv/swe/csw-inspire?
request=GetRecordById&service=CSW&version=2.0.2&elementSetName=full&id=1f185d81-c699-48e3-9ada-
c9e1ae297557&outputSchema=csw:IsoRecord" rel="describedby" type="application/vnd.iso.19139+xml" hreflang="sv"
title="Metadata för datamängden Inspire Administrative Unit" />
    <link href="https://www.geodata.se/geodataportalen/GetMetaDataById?id=1f185d81-c699-48e3-9ada-
c9e1ae297557" rel="alternate" type="text/html" hreflang="sv" title="Metadata för datamängden Inspire
Administrative Unit (HTML)" />
    <category term="http://www.opengis.net/def/crs/EPSS/0/3006" label="SWEREF99 TM" />
    <category term="http://www.opengis.net/def/crs/EPSS/0/4258" label="ETRS89" />
    <georss:polygon>
      10.415118158399022 54.060679727359464 6.319178456453253 71.90510854669627 29.285662373182785
71.56574050202585 22.617608862296134 53.90610082269154 10.415118158399022 54.060679727359464
    </georss:polygon>
  </entry>
</feed>
```

Atomflöde för datamängd, Inspire Administrative Unit

Exempel

```
<feed xmlns:georss="http://www.georss.org/georss" xmlns="http://www.w3.org/2005/Atom" xmlns:inspire_dls="http://inspire.ec.europa.eu/schemas/inspire_dls/1.0" xml:lang="sv">
  <id>https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige</id>
  <title>Fördefinierad datamängd Inspire Administrative Unit, Sverige (sverige)</title>
  <subtitle>Fördefinierad datamängd i olika referenssystem och format</subtitle>
  <updated>2019-11-28T17:26:07+01:00</updated>
  <link href="https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige" rel="self" type="application/atom+xml" hreflang="sv" title="Detta dokument" />
  <link href="https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au" rel="up" type="application/atom+xml" hreflang="sv" title="Inspire Administrative Unit" />
  <link href="http://inspire.ec.europa.eu/featureconcept/AdministrativeUnit" rel="describedby" type="text/html" title="Featurtype Administrative Unit" />
  <rights>
    Produkten omfattas av upphovsrätt. Avtal för användning krävs, avgifter för användning tas ut.
  </rights>
  <author>
    <name>Geodatasupport</name>
    <email>geodatasupport@lm.se</email>
  </author>
  <entry>
    <id>
      http://https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige/dataset?
      srs=3006&format=application/zip
    </id>
    <title>Inspire Administrative Unit, Sverige (sverige) [EPSG:3006, GML]</title>
    <updated>2019-11-20T08:56:15+01:00</updated>
    <link href="https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige/dataset?
      srs=3006&format=application/zip" rel="alternate" type="application/zip" hreflang="sv" title="inspire-au.3006.gml.zip" length="7792205" />
    <category term="http://www.opengis.net/def/crs/EPSG/0/3006" label="SWEREF99 TM" />
  </entry>
  <entry>
    <id>
      https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige/dataset?
      srs=4258&format=application/zip
    </id>
    <title>Inspire Administrative Unit, Sverige (sverige) [EPSG:4258, GML]</title>
    <updated>2019-11-28T17:26:07+01:00</updated>
    <link href="https://api.lantmateriet.se/administrativindelning/atom/v1/inspire/au/sverige/dataset?
      srs=4258&format=application/zip" rel="alternate" type="application/zip" hreflang="sv" title="inspire-au.4258.gml.zip" length="1441290" />
    <category term="http://www.opengis.net/def/crs/EPSG/0/4258" label="ETRS89" />
  </entry>
</feed>
```

Datamängd GML, Inspire Administrative Unit

Exempel

```
<?xml version="1.0" encoding="UTF-8"?>
<wfs:FeatureCollection xmlns:gmd="http://www.isotc211.org/2005/gmd" xmlns:gn="http://inspire.ec.europa.eu/schemas/gn/4.0" xmlns:au="http://inspire.ec.europa.eu/schemas/au/4.0" xmlns:base="http://inspire.ec.europa.eu/schemas/base/3.3" xmlns:gml="http://www.opengis.net/gml/3.2" xmlns:ows="http://www.opengis.net/ows/1.1" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:wfs="http://www.opengis.net/wfs/2.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://inspire.ec.europa.eu/schemas/au/4.0 http://inspire.ec.europa.eu/schemas/au/4.0/AdministrativeUnits.xsd http://www.opengis.net/wfs/2.0 http://schemas.opengis.net/wfs/2.0/wfs.xsd http://www.opengis.net/gml/3.2 http://schemas.opengis.net/gml/3.2.1/gml.xsd" timeStamp="2019-11-28T17:33:45.202104774+01:00" numberMatched="312" numberReturned="312">
  <wfs:boundedBy>
    <gml:Envelope srsName="urn:ogc:def:crs:EPSG::3006">
      <gml:lowerCorner>245209.174 6111268.599</gml:lowerCorner>
      <gml:upperCorner>921177.358 7671055.362</gml:upperCorner>
    </gml:Envelope>
  </wfs:boundedBy>
  <wfs:member>
```

```

<au:AdministrativeUnit gml:id="SE.LM.AU.AU.0000">
  <au:geometry>
    <gml:MultiSurface gml:id="SE.LM.AU.AU.0000_AU_GEOMETRY" srsName="urn:ogc:def:crs:EPSG::3006"
srsDimension="2">
      <gml:surfaceMember>
        <gml:Polygon gml:id="id-4ff73e9f-d52a-4777-adc5-a3fb9e21c039-1">
          <gml:exterior>
            <gml:LinearRing>
              <gml:posList>...</gml:posList>
            </gml:LinearRing>
          </gml:exterior>
        </gml:Polygon>
      </gml:surfaceMember>
      <gml:surfaceMember>
        <gml:Polygon gml:id="id-4ff73e9f-d52a-4777-adc5-a3fb9e21c039-2">
          <gml:exterior>
            <gml:LinearRing>
              <gml:posList>...</gml:posList>
            </gml:LinearRing>
          </gml:exterior>
        </gml:Polygon>
      </gml:surfaceMember>
    </gml:MultiSurface>
  </au:geometry>
  <au:nationalCode>0</au:nationalCode>
  <au:inspireId>
    <base:Identifier>
      <base:localId>0000</base:localId>
      <base:namespace>SE.LM.AU.AU</base:namespace>
    </base:Identifier>
  </au:inspireId>
  <au:nationalLevel xlink:href="http://inspire.ec.europa.eu/codelist/AdministrativeHierarchyLevel
/1stOrder"></au:nationalLevel>
  <au:nationalLevelName>
    <gmd:LocalisedCharacterString>Kungarike</gmd:LocalisedCharacterString>
  </au:nationalLevelName>
  <au:country>
    <gmd:Country codeList="http://inspire.ec.europa.eu/codelist/CountryCode/" codeListValue="SE">SE<
/gmd:Country>
  </au:country>
  <au:name>
    <gn:GeographicalName>
      <gn:language>swe</gn:language>
      <gn:nativeness xlink:href="http://inspire.ec.europa.eu/codelist/NativenessValue/endonym"><
/gn:nativeness>
      <gn:nameStatus xlink:href="http://inspire.ec.europa.eu/codelist/NativenessValue/official"><
/gn:nameStatus>
      <gn:sourceOfName xsi:nil="true" nilReason="http://inspire.ec.europa.eu/codelist
/VoidReasonValue/Unknown"></gn:sourceOfName>
      <gn:pronunciation xsi:nil="true" nilReason="http://inspire.ec.europa.eu/codelist
/VoidReasonValue/Unknown"></gn:pronunciation>
      <gn:spelling>
        <gn:SpellingOfName>
          <gn:text>Kungariket Sverige</gn:text>
          <gn:script>Latn</gn:script>
        </gn:SpellingOfName>
      </gn:spelling>
    </gn:GeographicalName>
  </au:name>
  <au:residenceOfAuthority>
    <au:ResidenceOfAuthority>
      <au:name>
        <gn:GeographicalName>
          <gn:language>swe</gn:language>
          <gn:nativeness xlink:href="http://inspire.ec.europa.eu/codelist/NativenessValue
/endonym"></gn:nativeness>
          <gn:nameStatus xlink:href="http://inspire.ec.europa.eu/codelist/NameStatusValue
/official"></gn:nameStatus>
          <gn:sourceOfName xsi:nil="true" nilReason="http://inspire.ec.europa.eu/codelist
/VoidReasonValue/Unknown"></gn:sourceOfName>
          <gn:pronunciation xsi:nil="true" nilReason="http://inspire.ec.europa.eu/codelist

```

```
/VoidReasonValue/Unknown"></gn:pronunciation>
    <gn:spelling>
        <gn:SpellingOfName>
            <gn:text>Stockholm</gn:text>
            <gn:script>Latn</gn:script>
        </gn:SpellingOfName>
    </gn:spelling>
</gn:GeographicalName>
</au:name>
<au:geometry>
    <gml:Point gml:id="SE.LM.AU.AU.0000_AU_RESIDENCEOFAUTHORITY_0" srsName="urn:ogc:def:crs:
EPSG:::3006">
        <gml:pos>676135.123 6574212.023</gml:pos>
    </gml:Point>
</au:geometry>
</au:ResidenceOfAuthority>
</au:residenceOfAuthority>
<au:beginLifespanVersion>2019-08-02T00:00:00+02:00</au:beginLifespanVersion>
<au:lowerLevelUnit xlink:href="SE.LM.AU.AU.0100"></au:lowerLevelUnit>
<au:lowerLevelUnit xlink:href="SE.LM.AU.AU.0700"></au:lowerLevelUnit>
...
<au:boundary xlink:href="SE.LM.AU.AB.6f4922f4-5568-161a-8cdf-4ad2299f6d23"></au:boundary>
<au:boundary xlink:href="SE.LM.AU.AB.1c383cd3-0b7c-298a-b502-93adfecb7b18"></au:boundary>
...
</au:AdministrativeUnit>
</wfs:member>
...
</wfs:FeatureCollection>
```