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Ufficio federale di topografia swisstopo

Istruzione

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Catasto RDPP DATA-Extract

Editore

Ufficio federale di topografia swisstopo
Geodesia e Direzione federale delle misurazioni catastali (Misurazione)
Seftigenstrasse 264, CH-3084 Wabern
misurazione@swisstopo.ch / <http://www.cadastre.ch/rdpp>





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Per ragioni di leggibilità, la differenziazione per genere non è implementata in modo sistematico.



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Abbreviazioni

Elenco delle abbreviazioni utilizzate nel presente documento:

Abbreviazione	Denominazione completa
CAP	Numero postale d'avviamento
Catasto RDPP	Catasto delle restrizioni di diritto pubblico della proprietà
CodeQR	Quick Response Code
DPR	Distinct and permanent right
DPSSP	Diritto per sé stante e permanente
EGRID	Numero di identificazione federale dei fondi
IDI	Numero d'identificazione delle imprese
JSON	JavaScript Object Notation
MU	Misurazione ufficiale
OCRDPP	Ordinanza sul Catasto delle restrizioni di diritto pubblico della proprietà
OS	Official cadastral surveying
RDPP	Restrizione di diritto pubblico della proprietà
PDF	Portable Document Format
PLR	Public-law restriction on landownership rights
RF	Registro fondiario
RS	Raccolta sistematica del diritto federale
UID	Unique Business Identification Number
URI	Uniform Ressource Identifier
URL	Uniform Ressource Locator
WMS	Web Map Service
XML	Extensible Markup Language
XPath	XML Path Language
XSLT	eXtensible Stylesheet Language Transformations



1. Introduzione

In base all'articolo 10 capoverso 4 OCRDPP, l'Ufficio federale di topografia emana la presente istruzione.

L'istruzione disciplina lo schema XML e JSON dell'«DATA-Extract del Catasto delle restrizioni di diritto pubblico della proprietà». La struttura dell'«DATA-Extract» è definita nel modello quadro per il Catasto RDPP¹ (Capitolo Estratto del Catasto).

Il «DATA-Extract» previsto dal modello quadro contiene i singoli dati RDPP relativi a un determinato fondo. Esso costituisce un prodotto intermedio del Catasto RDPP, a partire dal quale è possibile generare l'estratto statico e/o dinamico.

Il contenuto del «DATA-Extract» si orienta all'istruzione «Catasto RDPP: Contenuto e rappresentazione dell'estratto statico»; gli elementi contenuti nell'istruzione «Catasto RDPP: Contenuto e rappresentazione dell'estratto statico» si ritrovano pertanto nello schema del «DATA-Extract».

1.1. Obiettivo

L'istruzione disciplina lo schema XML e JSON dell'«DATA-Extract» e costituisce un'integrazione del modello quadro (che definisce la struttura dei dati). In questo contesto, l'implementazione del formato XML è obbligatoria e JSON è opzionale.

1.2. Basi legali

Le seguenti basi legali contengono norme giuridiche che sono determinanti per:

- Ordinanza sul Catasto delle restrizioni di diritto pubblico della proprietà (OCRDPP) [RS 510.622.4](#); in particolare [articolo 10](#), [articolo 13](#)

Inoltre il modello quadro stabilisce espressamente il reperimento degli estratti catastali tramite i web service.

1.3. Prescrizioni

Le seguenti prescrizioni sono determinanti per l'istruzione:

- Modello quadro per il Catasto RDPP
- Istruzione «Catasto RDPP: Servizio web RDPP (richiesta di un estratto)»
- Istruzione «Catasto RDPP: Contenuto e rappresentazione dell'estratto statico»

Sono riportate nel manuale «Catasto RDPP»

<https://www.cadastre.ch/rdpp> > Aspetti giuridici & pubblicazioni > Istruzioni.

¹ <https://www.cadastre.ch/rdpp> > Modelli di dati > Modello quadro



2. Spiegazioni di carattere generale: Principi di base

Il Catasto RDPP è un catasto pubblico e ufficiale e deve poter essere pertanto interrogato direttamente da sistemi di terzi.

La presente istruzione tratta il DATA-Extract.

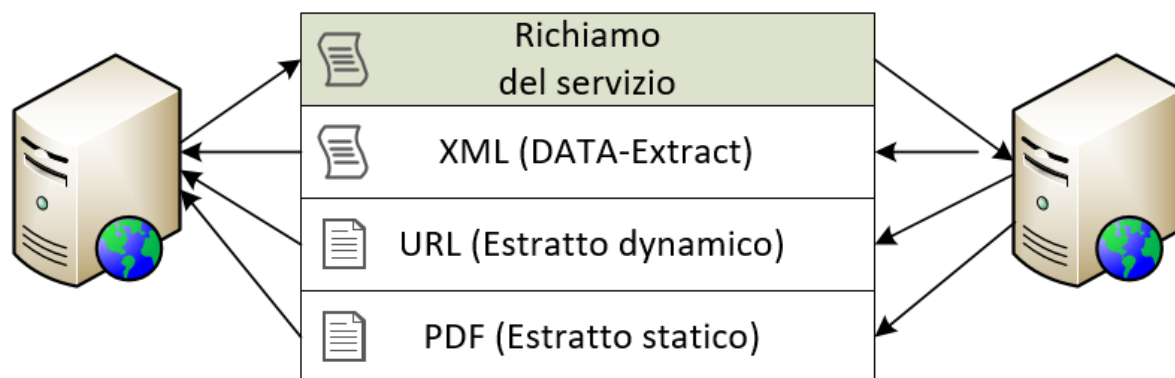


Figura 1: Rappresentazione schematica della funzione dell'estratto descritto

Di conseguenza del modello quadro è esplicitamente indicato il riferimento delle informazioni attraverso un DATA-Extract.

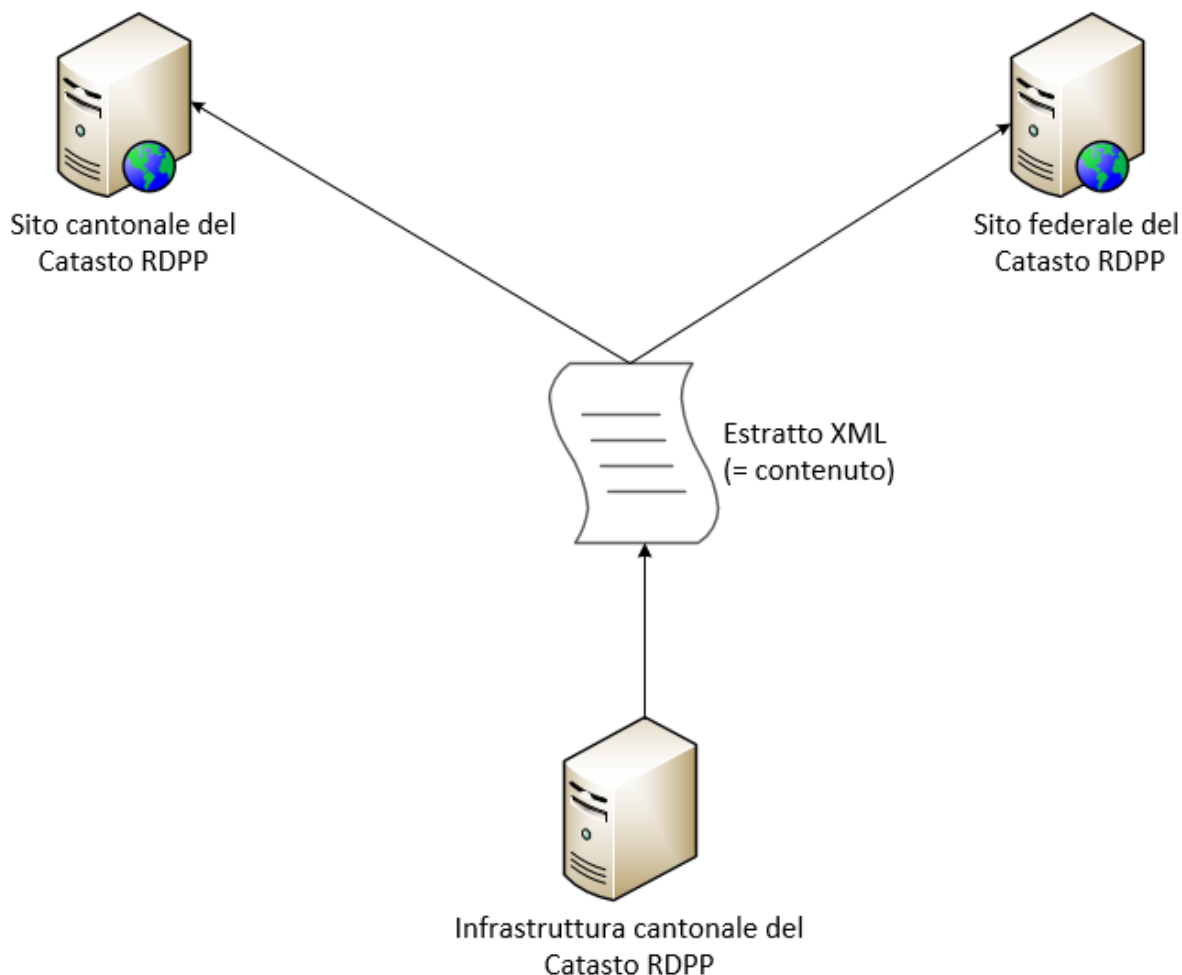


Figura 2: Esempio di realizzazione dell'XML-Extract



3. Descrizione del modello di dati

Il modello di dati per il DATA-Extract è descritto nel modello quadro. Nel formato di trasferimento dell'estratto, alcune informazioni (ad esempio i riferimenti alle basi giuridiche) sono ripetute in modo ridondante utilizzando le espressioni XPath per un accesso semplificato negli script XSLT.

Trattandosi di un'interfaccia tecnica, il modello è redatto in lingua inglese (un unico modello per tutta la Svizzera).

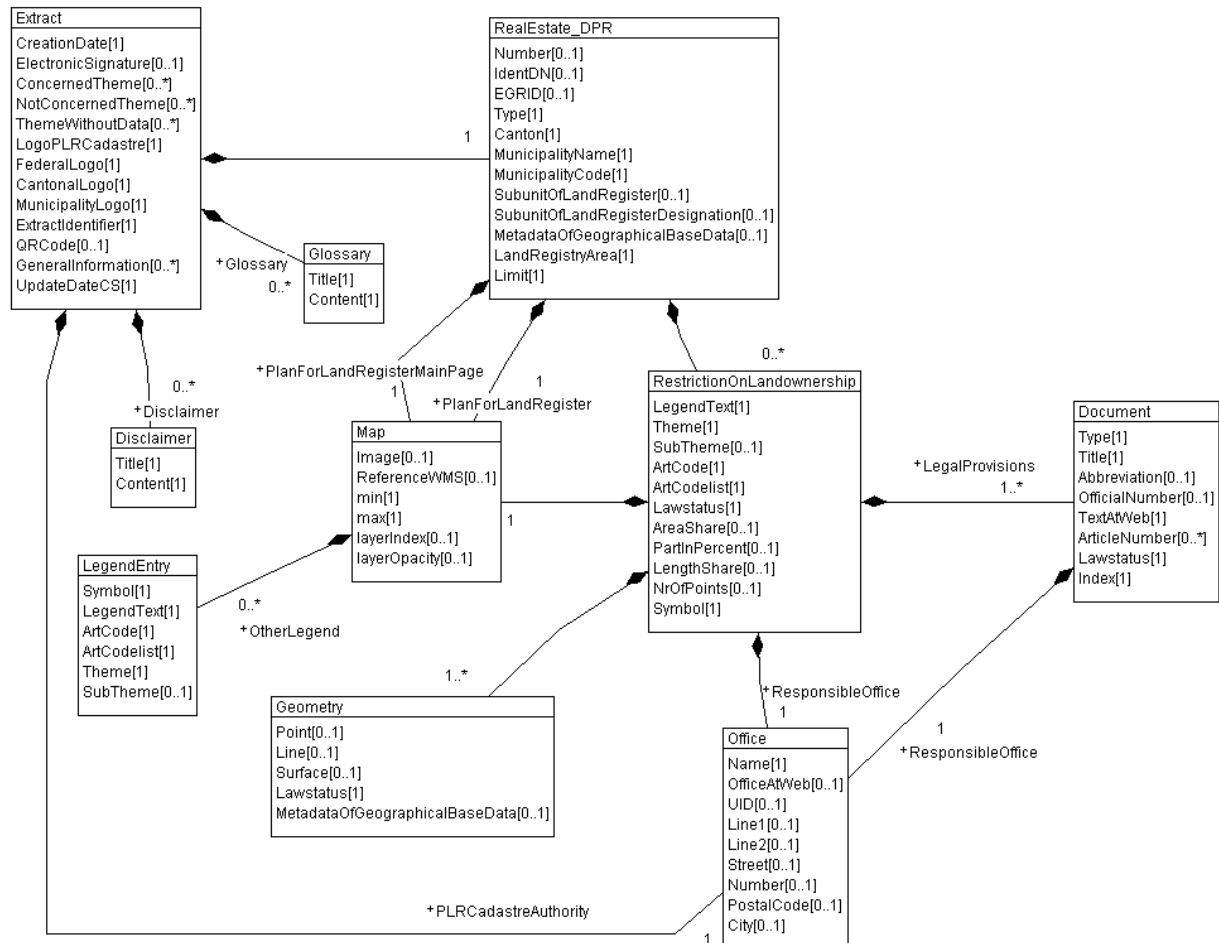


Figura 3: Diagramma delle classi UML secondo il modello quadro (in inglese)



Per facilitarne la comprensione il diagramma UML viene riportato qui anche in italiano:

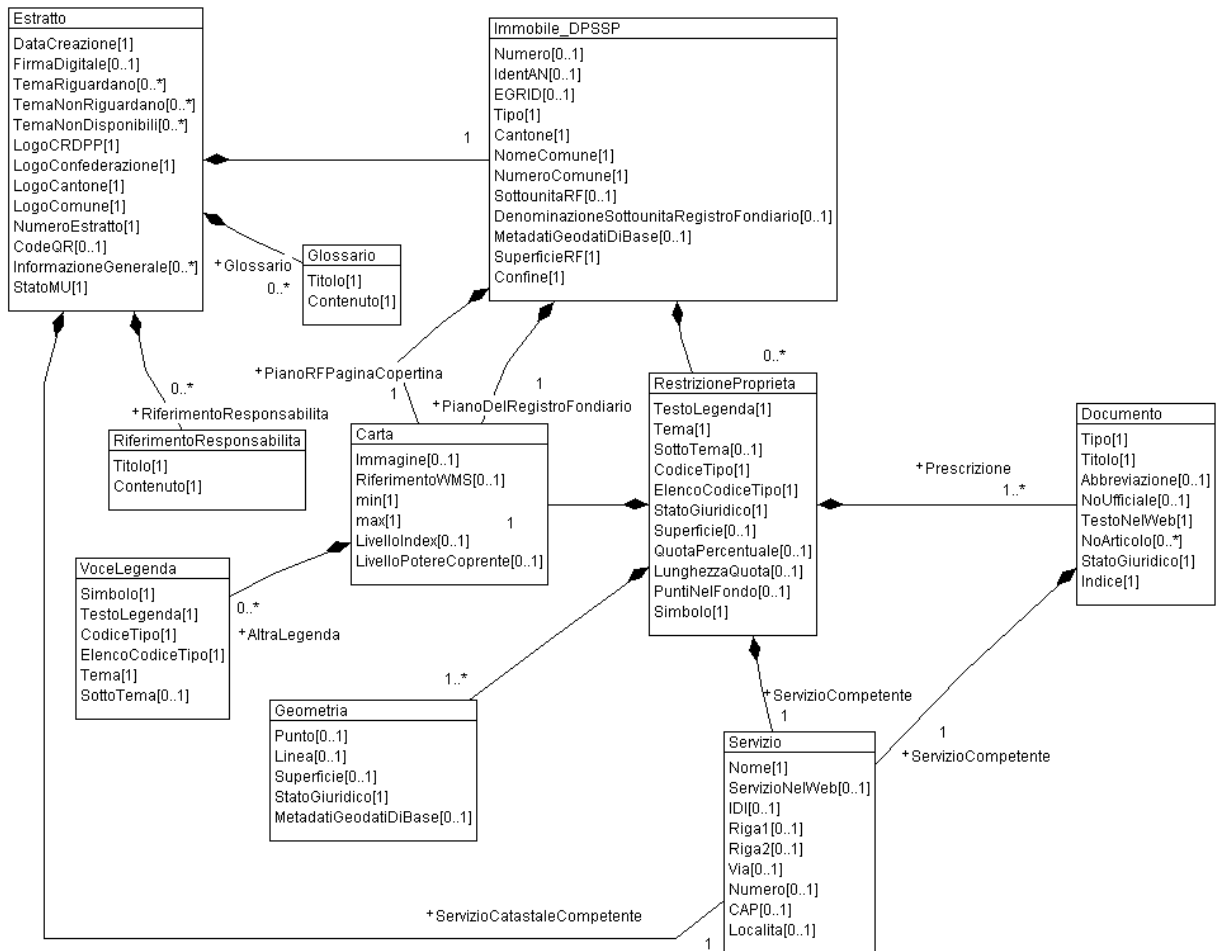


Figura 4: Diagramma delle classi UML secondo il modello quadro (in italiano)



4. Disposizioni finali

4.1. Entrata in vigore

La presente istruzione entra in vigore il 1° novembre 2017.



5. Modifiche

La presente istruzione è stata modificata.

Modifiche al 25 agosto 2022

Le modifiche entrano in vigore il 1° ottobre 2022.

Versione di correzione (nessuna modifica contenutistica, solo rettifica di errori) -> il termine di attuazione rimane invariato.

In generale

Documento elaborato senza barriere, incluse correzioni minime di natura testuale

Allegato A

Cardinalità errata nello schema, definita correttamente nel modello quadro -> riguarda la cardinalità dell'attributo «SubunitOfLandRegisterDesignation»

Traduzione errata dell'attributo «StandAV» -> attributo «UpdateDateOS» ora «UpdateDateCS»

Armonizzazione del namespace

Riferimento esplicito al fatto che, in caso di differenze tra il testo stampato e lo schema pubblicato, si applica la versione pubblicata nel repository degli schemi.

Allegato B

Cardinalità errata nello schema, definita correttamente nel modello quadro -> riguarda la cardinalità dell'attributo «SubunitOfLandRegisterDesignation»

Traduzione errata dell'attributo «StandAV» -> attributo «UpdateDateOS» ora «UpdateDateCS»

Armonizzazione del namespace

Riferimento esplicito al fatto che, in caso di differenze tra il testo stampato e lo schema pubblicato, si applica la versione pubblicata nel repository degli schemi.

Modifiche al 15 aprile 2021

Le modifiche entrano in vigore il 1° maggio 2021.

1.1. Basi giuridiche

Adeguamenti dovuti alla revisione dell'OCRDP e del modello quadro.

1.2. Obiettivi

Precisazione.

1.3. Abbreviazioni

Correzioni.

2.1. Principi di base

Adattamento del grafico, registrazione URL (estratto dinamico).

3. Descrizione del modello di dati

Adeguamenti dovuti alla revisione dell'OCRDP e del modello quadro.

Allegato A

Adeguamenti allo schema XML come risultato della revisione dell'OCRDP e del modello quadro.

Allegato B

Adeguamenti allo schema JSON come risultato della revisione dell'OCRDP e del modello quadro.

Modifiche al 25 agosto 2021

Le modifiche entrano in vigore il 1° novembre 2017.

1. Introduzione

Precisazione del rapporto esistente tra il DATA-Extract e l'estratto statico.

2. Descrizione del modello di dati



Adeguamento del diagramma UML in seguito a feedback successivi all'implementazione nei Cantoni di BE, BL, GE, NE, NW/OW.

Allegato A

Rettifica dello schema XML in seguito a feedback successivi all'implementazione nei Cantoni di BE, BL, GE, NE, NW/OW.

Allegato B

Rettifica dello schema JSON in seguito a feedback successivi all'implementazione nei Cantoni di BE, BL, GE, NE, NW/OW.



Allegato A. Schema per il DATA-Extract in XML [obbligatorio] (in inglese)

Lo schema riportato qui è pubblicato su https://schemas.geo.admin.ch/V_D/OeREB/2.0

Se la versione della definizione dello schema stampata qui differisce da quella pubblicata nel repository degli schemi, fa fede quest'ultima.

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns="http://schemas.geo.admin.ch/V_D/OeREB/2.0/ExtractData"
  xmlns:geo="http://www.interlis.ch/geometry/1.0"
  xmlns:xmldsig="http://www.w3.org/2000/09/xmldsig#"
  targetNamespace="http://schemas.geo.admin.ch/V_D/OeREB/2.0/ExtractData"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  version="2.0.1">
  <xsd:import namespace="http://www.interlis.ch/geometry/1.0" schemaLocation="http://models.interlis.ch/refhb24/geometry.xsd"/>
  <xsd:import namespace="http://www.w3.org/2000/09/xmldsig#" schemaLocation="http://www.w3.org/TR/xmldsig-core/xmldsig-core-schema.xsd"/>
  <xsd:element name="extensions">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:any processContents="lax" minOccurs="0" maxOccurs="unbounded"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:complexType name="WebReference">
    <xsd:simpleContent>
      <xsd:extension base="xsd:anyURI"/>
    </xsd:simpleContent>
  </xsd:complexType>
  <xsd:simpleType name="UID">
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="12"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="ArticleNumber">
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="20"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="RestrictiontypeCode">
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="40"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="CantonCode">
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="ZH"/>
      <xsd:enumeration value="BE"/>
      <xsd:enumeration value="LU"/>
      <xsd:enumeration value="UR"/>
      <xsd:enumeration value="SZ"/>
      <xsd:enumeration value="OW"/>
      <xsd:enumeration value="NW"/>
      <xsd:enumeration value="GL"/>
      <xsd:enumeration value="ZG"/>
      <xsd:enumeration value="FR"/>
      <xsd:enumeration value="SO"/>
      <xsd:enumeration value="BS"/>
      <xsd:enumeration value="BL"/>
      <xsd:enumeration value="SH"/>
      <xsd:enumeration value="AR"/>
      <xsd:enumeration value="AI"/>
      <xsd:enumeration value="SG"/>
      <xsd:enumeration value="GR"/>
      <xsd:enumeration value="AG"/>
      <xsd:enumeration value="TG"/>
      <xsd:enumeration value="TI"/>
      <xsd:enumeration value="VD"/>
    </xsd:restriction>
  </xsd:simpleType>

```



```
<xsd:enumeration value="VS"/>
<xsd:enumeration value="NE"/>
<xsd:enumeration value="GE"/>
<xsd:enumeration value="JU"/>
<xsd:enumeration value="FL"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="MunicipalityCode">
  <xsd:restriction base="xsd:integer">
    <xsd:minInclusive value="1"/>
    <xsd:maxInclusive value="9999"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="Lawstatus">
  <xsd:sequence>
    <xsd:element name="Code" type="LawstatusCode"/>
    <xsd:element name="Text" type="MultilingualText"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="LawstatusCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="inForce"/>
    <xsd:enumeration value="changeWithPreEffect"/>
    <xsd:enumeration value="changeWithoutPreEffect"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="DocumentType">
  <xsd:sequence>
    <xsd:element name="Code" type="DocumentTypeCode"/>
    <xsd:element name="Text" type="MultilingualText"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="DocumentTypeCode">
  <xsd:restriction base="xsd:token">
    <xsd:enumeration value="LegalProvision"/>
    <xsd:enumeration value="Law"/>
    <xsd:enumeration value="Hint"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="Theme">
  <xsd:sequence>
    <xsd:element name="Code" type="ThemeCode"/>
    <xsd:element name="SubCode" type="ThemeCode" minOccurs="0"/>
    <xsd:element name="Text" type="MultilingualText"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="ThemeCode">
  <xsd:restriction base="xsd:string">
    <xsd:pattern value="(ch\[a-zA-Z][a-zA-Z0-9]*)|(ch\[A-Z]{2}\[a-zA-Z][a-zA-Z0-9]*)|(ch\[0-9]{4}\[a-zA-Z][a-zA-Z0-9]*)|(fl\[a-zA-Z][a-zA-Z0-9]*)"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="LocalisedUri">
  <xsd:sequence>
    <xsd:element name="Language" type="LanguageCode" minOccurs="0"/>
    <xsd:element name="Text" type="xsd:anyURI"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MultilingualUri">
  <xsd:sequence>
    <xsd:element name="LocalisedText" type="LocalisedUri" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="LocalisedBlob">
  <xsd:sequence>
    <xsd:element name="Language" type="LanguageCode" minOccurs="0"/>
    <xsd:element name="Blob" type="xsd:base64Binary"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MultilingualBlob">
  <xsd:sequence>
    <xsd:element name="LocalisedBlob" type="LocalisedBlob" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="LanguageCode">
  <xsd:restriction base="xsd:string">
```



```
<xsd:enumeration value="de"/>
<xsd:enumeration value="fr"/>
<xsd:enumeration value="it"/>
<xsd:enumeration value="rm"/>
<xsd:enumeration value="en"/>
</xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="LocalisedText">
  <xsd:sequence>
    <xsd:element name="Language" type="LanguageCode" minOccurs="0"/>
    <xsd:element name="Text">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString"/>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="LocalisedMText">
  <xsd:sequence>
    <xsd:element name="Language" type="LanguageCode" minOccurs="0"/>
    <xsd:element name="Text">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string"/>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MultilingualText">
  <xsd:sequence>
    <xsd:element name="LocalisedText" type="LocalisedText" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MultilingualMText">
  <xsd:sequence>
    <xsd:element name="LocalisedText" type="LocalisedMText" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="Area">
  <xsd:restriction base="xsd:integer">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="999999999"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="Length">
  <xsd:restriction base="xsd:integer">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="999999999"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="RealEstateType">
  <xsd:sequence>
    <xsd:element name="Code" type="RealEstateTypeCode"/>
    <xsd:element name="Text" type="MultilingualText"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="RealEstateTypeCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="RealEstate"/>
    <xsd:enumeration value="Distinct and permanent rights.BuildingRight"/>
    <xsd:enumeration value="Distinct and permanent rights.right to spring_water"/>
    <xsd:enumeration value="Distinct_and_permanent_rights.concession"/>
    <xsd:enumeration value="Distinct_and_permanent_rights.other"/>
    <xsd:enumeration value="Mineral_rights"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="Office">
  <xsd:sequence>
    <xsd:element name="Name" type="MultilingualText"/>
    <xsd:element name="OfficeAtWeb" type="MultilingualUri" minOccurs="0"/>
    <xsd:element name="UID" type="UID" minOccurs="0"/>
    <xsd:element name="Line1" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString">
          <xsd:maxLength value="80"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```



```
</xsd:element>
<xsd:element name="Line2" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="80"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="Street" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="100"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="Number" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="7"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="PostalCode" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="4"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="City" minOccurs="0">
  <xsd:simpleType>
    <xsd:restriction base="xsd:normalizedString">
      <xsd:maxLength value="60"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element ref="extensions" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Glossary">
  <xsd:sequence>
    <xsd:element name="Title" type="MultilingualText"/>
    <xsd:element name="Content" type="MultilingualMText"/>
    <xsd:element ref="extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Disclaimer">
  <xsd:sequence>
    <xsd:element name="Title" type="MultilingualText"/>
    <xsd:element name="Content" type="MultilingualMText"/>
    <xsd:element ref="extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="LegendEntry">
  <xsd:sequence>
    <xsd:choice>
      <xsd:element name="Symbol" type="xsd:base64Binary"/>
      <xsd:element name="SymbolRef" type="xsd:anyURI"/>
    </xsd:choice>
    <xsd:element name="LegendText" type="MultilingualText"/>
    <xsd:element name="TypeCode" type="RestrictiontypeCode"/>
    <xsd:element name="TypeCodelist" type="xsd:anyURI"/>
    <xsd:element name="Theme" type="Theme"/>
    <xsd:element ref="extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Geometry">
  <xsd:sequence>
    <xsd:choice minOccurs="0">
      <xsd:element name="Point" type="geo:CoordType"/>
      <xsd:element name="Line" type="geo:PolylineType"/>
      <xsd:element name="Surface" type="geo:SurfaceType"/>
    </xsd:choice>
    <xsd:element name="Lawstatus" type="Lawstatus"/>
    <xsd:element name="MetadataOfGeographicalBaseData" type="xsd:anyURI" minOccurs="0"/>
    <xsd:element ref="extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```



```
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Map">
  <xsd:sequence>
    <xsd:element name="Image" type="MultilingualBlob" minOccurs="0"/>
    <xsd:element name="ReferenceWMS" type="MultilingualUri" minOccurs="0"/>
    <xsd:element name="OtherLegend" type="LegendEntry" minOccurs="0" maxOccurs="un-
bounded"/>
    <xsd:element name="min" type="geo:CoordType"/>
    <xsd:element name="max" type="geo:CoordType"/>
    <xsd:element name="layerIndex">
      <xsd:simpleType>
        <xsd:restriction base="xsd:integer">
          <xsd:minInclusive value="-1000"/>
          <xsd:maxInclusive value="1000"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="layerOpacity">
      <xsd:simpleType>
        <xsd:restriction base="xsd:double">
          <xsd:minInclusive value="0.000"/>
          <xsd:maxInclusive value="1.000"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element ref="extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Document">
  <xsd:sequence>
    <xsd:element name="Type" type="DocumentType"/>
    <xsd:element name="Title" type="MultilingualText"/>
    <xsd:element name="Abbreviation" type="MultilingualText" minOccurs="0"/>
    <xsd:element name="OfficialNumber" type="MultilingualText" minOccurs="0"/>
    <xsd:element name="TextAtWeb" type="MultilingualUri" minOccurs="0"/>
    <xsd:element name="ArticleNumber" type="ArticleNumber" minOccurs="0" maxOccurs="un-
bounded"/>
    <xsd:element name="Lawstatus" type="Lawstatus"/>
    <xsd:element name="Index">
      <xsd:simpleType>
        <xsd:restriction base="xsd:integer">
          <xsd:minInclusive value="-1000"/>
          <xsd:maxInclusive value="1000"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="ResponsibleOffice" type="Office"/>
    <xsd:element ref="extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RestrictionOnLandownership">
  <xsd:sequence>
    <xsd:element name="LegendText" type="MultilingualMText"/>
    <xsd:element name="Theme" type="Theme"/>
    <xsd:element name="TypeCode" type="RestrictiontypeCode" minOccurs="0"/>
    <xsd:element name="Typeodelist" type="xsd:anyURI" minOccurs="0"/>
    <xsd:element name="Lawstatus" type="Lawstatus"/>
    <xsd:element name="AreaShare" type="Area" minOccurs="0"/>
    <xsd:element name="PartInPercent" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:decimal">
          <xsd:minInclusive value="0.0"/>
          <xsd:maxInclusive value="100.0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="LengthShare" type="Length" minOccurs="0"/>
    <xsd:element name="NrOfPoints" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:integer">
          <xsd:minInclusive value="0"/>
          <xsd:maxInclusive value="10000000"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```



```
<xsd:choice>
  <xsd:element name="Symbol" type="xsd:base64Binary"/>
  <xsd:element name="SymbolRef" type="xsd:anyURI"/>
</xsd:choice>
<xsd:element name="Geometry" type="Geometry" maxOccurs="unbounded"/>
<xsd:element name="Map" type="Map"/>
<xsd:element name="LegalProvisions" type="Document" minOccurs="0" maxOccurs="un-
bounded"/>
<xsd:element name="ResponsibleOffice" type="Office"/>
<xsd:element ref="extensions" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RealEstate_DPR">
  <xsd:sequence>
    <xsd:element name="Number" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString">
          <xsd:maxLength value="12"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="IdentDN" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString">
          <xsd:maxLength value="12"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="EGRID" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString">
          <xsd:maxLength value="14"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="Type" type="RealEstateType"/>
    <xsd:element name="Canton" type="CantonCode"/>
    <xsd:element name="MunicipalityName">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString">
          <xsd:maxLength value="60"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="MunicipalityCode" type="MunicipalityCode"/>
    <xsd:element name="SubunitOfLandRegister" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString">
          <xsd:maxLength value="60"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="SubunitOfLandRegisterDesignation" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:normalizedString">
          <xsd:maxLength value="80"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="MetadataOfGeographicalBaseData" type="xsd:anyURI" minOccurs="0"/>
    <xsd:element name="LandRegistryArea" type="Area"/>
    <xsd:element name="Limit" type="geo:MultiSurfaceType" minOccurs="0"/>
    <xsd:element name="RestrictionOnLandownership" type="RestrictionOnLandownership"
minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="PlanForLandRegister" type="Map"/>
    <xsd:element name="PlanForLandRegisterMainPage" type="Map"/>
    <xsd:element ref="extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:element name="Extract" type="Extract"/>
<xsd:complexType name="Extract">
  <xsd:sequence>
    <xsd:element name="CreationDate">
      <xsd:simpleType>
        <xsd:restriction base="xsd:dateTime">
          <xsd:minInclusive value="2009-01-01T00:00:00.000"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```



```
        <xsd:maxInclusive value="2999-12-31T23:59:59.000"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <xsd:element ref="xmlsig:Signature" minOccurs="0" maxOccurs="1"/>
  <xsd:element name="ConcernedTheme" type="Theme" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="NotConcernedTheme" type="Theme" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="ThemeWithoutData" type="Theme" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:choice>
    <xsd:element name="LogoPLRCadastre" type="xsd:base64Binary"/>
    <xsd:element name="LogoPLRCadastreRef" type="xsd:anyURI"/>
  </xsd:choice>
  <xsd:choice>
    <xsd:element name="FederalLogo" type="xsd:base64Binary"/>
    <xsd:element name="FederalLogoRef" type="xsd:anyURI"/>
  </xsd:choice>
  <xsd:choice>
    <xsd:element name="CantonalLogo" type="xsd:base64Binary"/>
    <xsd:element name="CantonalLogoRef" type="xsd:anyURI"/>
  </xsd:choice>
  <xsd:choice>
    <xsd:element name="MunicipalityLogo" type="xsd:base64Binary"/>
    <xsd:element name="MunicipalityLogoRef" type="xsd:anyURI"/>
  </xsd:choice>
  <xsd:element name="ExtractIdentifier">
    <xsd:simpleType>
      <xsd:restriction base="xsd:normalizedString">
        <xsd:maxLength value="50"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <xsd:choice minOccurs="0">
    <xsd:element name="QRCode" type="xsd:base64Binary"/>
    <xsd:element name="QRCodeRef" type="xsd:anyURI"/>
  </xsd:choice>
  <xsd:element name="GeneralInformation" type="MultilingualMText" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="Glossary" type="Glossary" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="RealEstate" type="RealEstate DPR"/>
  <xsd:element name="Disclaimer" type="Disclaimer" minOccurs="0" maxOccurs="unbounded"/>
  <xsd:element name="PLRCadastreAuthority" type="Office"/>
  <xsd:element name="UpdateDateCS">
    <xsd:simpleType>
      <xsd:restriction base="xsd:dateTime">
        <xsd:minInclusive value="2009-01-01T00:00:00.000"/>
        <xsd:maxInclusive value="2999-12-31T23:59:59.000"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <xsd:element ref="extensions" minOccurs="0"/>
</xsd:sequence>
<xsd:attribute name="id" type="xsd:ID" use="optional"/>
<xsd:anyAttribute processContents="lax"/>
</xsd:complexType>
</xsd:schema>
```



Allegato B. Schema per il DATA-Extract in JSON [opzionale] (in inglese)

Lo schema riportato qui è pubblicato su https://schemas.geo.admin.ch/V_D/OeREB/2.0

Se la versione della definizione dello schema stampata qui differisce da quella pubblicata nel repository degli schemi, fa fede quest'ultima.

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "$id": "http://schemas.geo.admin.ch/V_D/OeREB/2.0/extractdata.json",
  "fileVersion": "2.0.2",
  "type": "object",
  "definitions": {
    "base64Binary": {
      "pattern": "([A-Za-z0-9]{4})+= {0,2}"
    },
    "dateTime": {
      "pattern": "[0-9]{4}-[0-9]{2}-[0-9]{2}T[0-9]{2}:[0-9]{2}:[0-9]{2}([.][0-9]{1,3})?"
    },
    "Signature": {
      "pattern": "([A-Za-z0-9]{4})+= {0,2}"
    },
    "UID": {
      "type": "string",
      "maxLength": 12
    },
    "WebReference": {
      "type": "string",
      "format": "uri"
    },
    "LocalisedMText": {
      "type": "object",
      "properties": {
        "Language": {
          "$ref": "#/definitions/LanguageCode"
        },
        "Text": {
          "type": "string"
        }
      },
      "required": [
        "Language",
        "Text"
      ]
    },
    "LocalisedText": {
      "type": "object",
      "properties": {
        "Language": {
          "$ref": "#/definitions/LanguageCode"
        },
        "Text": {
          "type": "string"
        }
      },
      "required": [
        "Language",
        "Text"
      ]
    },
    "LocalisedUri": {
      "type": "object",
      "properties": {
        "Language": {
          "$ref": "#/definitions/LanguageCode"
        },
        "Text": {
          "$ref": "#/definitions/anyURI"
        }
      },
      "required": [
        "Language",

```



```
        "Text"
      ]
    },
    "LocalisedBlob": {
      "type": "object",
      "properties": {
        "Language": {
          "$ref": "#/definitions/LanguageCode"
        },
        "Blob": {
          "$ref": "#/definitions/base64Binary"
        }
      },
      "required": [
        "Language",
        "Blob"
      ]
    },
    "MultilingualMText": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/LocalisedMText"
      },
      "minItems": 1
    },
    "MultilingualText": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/LocalisedText"
      },
      "minItems": 1
    },
    "MultilingualUri": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/LocalisedUri"
      },
      "minItems": 1
    },
    "MultilingualBlob": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/LocalisedBlob"
      },
      "minItems": 1
    },
    "RealEstateType": {
      "type": "object",
      "properties": {
        "Code": {
          "$ref": "#/definitions/RealEstateTypeCode"
        },
        "Text": {
          "$ref": "#/definitions/MultilingualText"
        }
      },
      "required": [
        "Code",
        "Text"
      ]
    },
    "RealEstateTypeCode": {
      "type": "string",
      "enum": [
        "RealEstate",
        "Distinct and permanent rights.BuildingRight",
        "Distinct_and_permanent_rights.right_to_spring_water",
        "Distinct_and_permanent_rights.concession",
        "Distinct and permanent_rights.other",
        "Mineral_rights"
      ]
    },
    "CantonCode": {
      "type": "string",
      "enum": [
        "ZH",

```



```
        "BE",
        "LU",
        "UR",
        "SZ",
        "OW",
        "NW",
        "GL",
        "ZG",
        "FR",
        "SO",
        "BS",
        "BL",
        "SH",
        "AR",
        "AI",
        "SG",
        "GR",
        "AG",
        "TG",
        "TI",
        "VD",
        "VS",
        "NE",
        "GE",
        "JU",
        "FL"
    ]
},
"MunicipalityCode": {
    "type": "number",
    "minimum": 0,
    "maximum": 9999
},
"LanguageCode": {
    "type": "string",
    "enum": [
        "de",
        "fr",
        "it",
        "rm",
        "en"
    ]
},
"anyURI": {
    "type": "string",
    "format": "uri"
},
"Area": {
    "type": "number",
    "minimum": 0,
    "maximum": 999999999
},
"Length": {
    "type": "number",
    "minimum": 0,
    "maximum": 999999999
},
"position": {
    "type": "array",
    "items": {
        "type": "number"
    },
    "minItems": 2,
    "maxItems": 3
},
"positionArray": {
    "type": "array",
    "items": {
        "$ref": "#/definitions/position"
    }
},
"PointPropertyType": {
    "type": "object",
    "properties": {
        "type": {
            "enum": [
```



```
        "Point"
      ]
    },
    "coordinates": {
      "$ref": "#/definitions/position"
    },
    "crs": {
      "type": "string"
    }
  },
  "required": [
    "type",
    "coordinates",
    "crs"
  ]
},
"CurvePropertyType": {
  "type": "object",
  "properties": {
    "type": {
      "type": "string",
      "enum": [
        "LineString",
        "CompoundCurve"
      ]
    },
    "crs": {
      "type": "string"
    }
  },
  "required": [
    "type",
    "crs"
  ],
  "oneOf": [
    {
      "properties": {
        "coordinates": {
          "$ref": "#/definitions/positionArray"
        }
      },
      "required": [
        "coordinates"
      ]
    },
    {
      "properties": {
        "isogqlmmwkb": {
          "$ref": "#/definitions/base64Binary"
        }
      },
      "required": [
        "isogqlmmwkb"
      ]
    }
  ]
},
"SurfacePropertyType": {
  "type": "object",
  "properties": {
    "type": {
      "type": "string",
      "enum": [
        "Polygon",
        "CurvePolygon"
      ]
    },
    "crs": {
      "type": "string"
    }
  },
  "required": [
    "type",
    "crs"
  ],
  "oneOf": [
    {
```



```
        "properties": {
          "coordinates": {
            "type": "array",
            "items": {
              "$ref": "#/definitions/positionArray"
            },
            "minItems": 1
          }
        },
        "required": [
          "coordinates"
        ]
      }, {
        "properties": {
          "isoqlmmwkb": {
            "$ref": "#/definitions/base64Binary"
          }
        },
        "required": [
          "isoqlmmwkb"
        ]
      }
    ],
    "MultiSurface": {
      "type": "object",
      "properties": {
        "type": {
          "type": "string",
          "enum": [
            "MultiPolygon",
            "MultiCurvePolygon"
          ]
        },
        "crs": {
          "type": "string"
        }
      },
      "required": [
        "type",
        "crs"
      ],
      "oneOf": [
        {
          "properties": {
            "coordinates": {
              "type": "array",
              "items": {
                "type": "array",
                "items": {
                  "$ref": "#/definitions/positionArray"
                },
                "minItems": 1
              },
              "minItems": 1
            }
          },
          "required": [
            "coordinates"
          ]
        }, {
          "properties": {
            "isoqlmmwkb": {
              "$ref": "#/definitions/base64Binary"
            }
          },
          "required": [
            "isoqlmmwkb"
          ]
        }
      ]
    },
    "Theme": {
      "type": "object",
      "properties": {
        "Code": {
```



```
        "$ref": "#/definitions/ThemeCode"
    },
    "SubCode": {
        "$ref": "#/definitions/ThemeCode"
    },
    "Text": {
        "$ref": "#/definitions/MultilingualText"
    }
},
"required": [
    "Code",
    "Text"
]
},
"ThemeCode": {
    "pattern": "(ch.[a-zA-Z][a-zA-Z0-9]*)|(ch.[A-Z]{2}.[a-zA-Z][a-zA-Z0-9]*)|(ch.[0-9]{4}.[a-zA-Z][a-zA-Z0-9]*)|(fl.[a-zA-Z][a-zA-Z0-9]*)"
},
"DocumentType": {
    "type": "object",
    "properties": {
        "Code": {
            "$ref": "#/definitions/DocumentTypeCode"
        },
        "Text": {
            "$ref": "#/definitions/MultilingualText"
        }
    },
    "required": [
        "Code",
        "Text"
    ]
},
"DocumentTypeCode": {
    "pattern": "LegalProvision|Law|Hint"
},
"LegendEntry": {
    "type": "object",
    "properties": {
        "LegendText": {
            "$ref": "#/definitions/MultilingualText"
        },
        "TypeCode": {
            "$ref": "#/definitions/RestrictiontypeCode"
        },
        "TypeCodelist": {
            "$ref": "#/definitions/anyURI"
        },
        "Theme": {
            "$ref": "#/definitions/Theme"
        },
        "SubTheme": {
            "$ref": "#/definitions/Theme"
        }
    },
    "required": [
        "LegendText",
        "TypeCode",
        "TypeCodelist",
        "Theme"
    ],
    "oneOf": [
        {
            "properties": {
                "Symbol": {
                    "$ref": "#/definitions/base64Binary"
                }
            },
            "required": [
                "Symbol"
            ]
        },
        {
            "properties": {
                "SymbolRef": {
                    "$ref": "#/definitions/anyURI"
                }
            }
        }
    ]
}
```



```
    },
    "required": [
      "SymbolRef"
    ]
  }
]
},
"Map": {
  "type": "object",
  "properties": {
    "OtherLegend": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/LegendEntry"
      },
      "minItems": 0
    },
    "min": {
      "$ref": "#/definitions/PointPropertyType"
    },
    "max": {
      "$ref": "#/definitions/PointPropertyType"
    },
    "layerIndex": {
      "type": "number",
      "minimum": -1000,
      "maximum": 1000
    },
    "layerOpacity": {
      "type": "number",
      "minimum": 0.000,
      "maximum": 1.000
    }
  },
  "required": [
    "min",
    "max"
  ],
  "oneOf": [
    {
      "properties": {
        "Image": {
          "$ref": "#/definitions/MultilingualBlob"
        }
      },
      "required": [
        "Image"
      ]
    },
    {
      "properties": {
        "ReferenceWMS": {
          "$ref": "#/definitions/MultilingualUri"
        }
      },
      "required": [
        "ReferenceWMS"
      ]
    }
  ]
},
"Glossary": {
  "type": "object",
  "properties": {
    "Title": {
      "$ref": "#/definitions/MultilingualText"
    },
    "Content": {
      "$ref": "#/definitions/MultilingualMText"
    }
  },
  "required": [
    "Title",
    "Content"
  ]
},
"Document": {
```



```
"type": "object",
"properties": {
  "Type": {
    "$ref": "#/definitions/DocumentType"
  },
  "Title": {
    "$ref": "#/definitions/MultilingualText"
  },
  "Abbreviation": {
    "$ref": "#/definitions/MultilingualText"
  },
  "OfficialNumber": {
    "$ref": "#/definitions/MultilingualText"
  },
  "TextAtWeb": {
    "$ref": "#/definitions/MultilingualUri"
  },
  "ArticleNumber": {
    "type": "array",
    "items": {
      "$ref": "#/definitions/ArticleNumber"
    },
    "minItems": 0
  },
  "Lawstatus": {
    "$ref": "#/definitions/Lawstatus"
  },
  "Index": {
    "type": "number",
    "minimum": -1000,
    "maximum": 1000
  },
  "ResponsibleOffice": {
    "$ref": "#/definitions/Office"
  }
},
"required": [
  "Type",
  "Title",
  "TextAtWeb",
  "Lawstatus",
  "Index",
  "ResponsibleOffice"
],
"Lawstatus": {
  "type": "object",
  "properties": {
    "Code": {
      "$ref": "#/definitions/LawstatusCode"
    },
    "Text": {
      "$ref": "#/definitions/MultilingualText"
    }
  }
},
"LawstatusCode": {
  "type": "string",
  "enum": [
    "inForce",
    "changeWithPreEffect",
    "changeWithoutPreEffect"
  ]
},
"ArticleNumber": {
  "type": "string",
  "maxLength": 20
},
"RestrictiontypeCode": {
  "type": "string",
  "maxLength": 40
},
"Geometry": {
  "type": "object",
  "properties": {
    "Lawstatus": {
```



```
        "$ref": "#/definitions/Lawstatus"
    },
    "MetadataOfGeographicalBaseData": {
        "$ref": "#/definitions/anyURI"
    }
},
"required": [
    "Lawstatus"
],
"oneOf": [
    {
        "properties": {
            "Point": {
                "$ref": "#/definitions/PointPropertyType"
            }
        },
        "required": [
            "Point"
        ]
    },
    {
        "properties": {
            "Line": {
                "$ref": "#/definitions/CurvePropertyType"
            }
        },
        "required": [
            "Line"
        ]
    },
    {
        "properties": {
            "Surface": {
                "$ref": "#/definitions/SurfacePropertyType"
            }
        },
        "required": [
            "Surface"
        ]
    }
]
},
"RestrictionOnLandownership": {
    "type": "object",
    "properties": {
        "LegendText": {
            "$ref": "#/definitions/MultilingualMText"
        },
        "Theme": {
            "$ref": "#/definitions/Theme"
        },
        "TypeCode": {
            "$ref": "#/definitions/RestrictiontypeCode"
        },
        "Typeodelist": {
            "$ref": "#/definitions/anyURI"
        },
        "Lawstatus": {
            "$ref": "#/definitions/Lawstatus"
        },
        "Geometry": {
            "type": "array",
            "items": {
                "$ref": "#/definitions/Geometry"
            },
            "minItems": 1
        },
        "Map": {
            "$ref": "#/definitions/Map"
        },
        "LegalProvisions": {
            "type": "array",
            "items": {
                "$ref": "#/definitions/Document"
            },
            "minItems": 1
        },
        "ResponsibleOffice": {
```



```
        "$ref": "#/definitions/Office"
    },
    "required": [
        "LegendText",
        "Theme",
        "TypeCode",
        "TypeCodeList",
        "Lawstatus",
        "LegalProvisions",
        "ResponsibleOffice",
        "Geometry"
    ],
    "allOf": [
        {
            "oneOf": [
                {
                    "properties": {
                        "PartInPercent": {
                            "type": "number",
                            "minimum": 0.0,
                            "maximum": 100.0
                        },
                        "AreaShare": {
                            "$ref": "#/definitions/Area"
                        }
                    },
                    "required": [
                        "PartInPercent",
                        "AreaShare"
                    ]
                },
                {
                    "properties": {
                        "LengthShare": {
                            "$ref": "#/definitions/Length"
                        }
                    },
                    "required": [
                        "LengthShare"
                    ]
                },
                {
                    "properties": {
                        "NrOfPoints": {
                            "type": "number",
                            "minimum": 0,
                            "maximum": 10000000
                        }
                    },
                    "required": [
                        "NrOfPoints"
                    ]
                }
            ]
        },
        {
            "oneOf": [
                {
                    "properties": {
                        "Symbol": {
                            "$ref": "#/definitions/base64Binary"
                        }
                    },
                    "required": [
                        "Symbol"
                    ]
                },
                {
                    "properties": {
                        "SymbolRef": {
                            "$ref": "#/definitions/anyURI"
                        }
                    },
                    "required": [
                        "SymbolRef"
                    ]
                }
            ]
        }
    ]
}
```



```
    ]
  }
]
},
"RealEstate_DPR": {
  "type": "object",
  "properties": {
    "Number": {
      "type": "string",
      "maxLength": 12
    },
    "IdentDN": {
      "type": "string",
      "maxLength": 12
    },
    "EGRID": {
      "type": "string",
      "maxLength": 14
    },
    "Type": {
      "$ref": "#/definitions/RealEstateType"
    },
    "Canton": {
      "$ref": "#/definitions/CantonCode"
    },
    "MunicipalityName": {
      "type": "string",
      "maxLength": 60
    },
    "MunicipalityCode": {
      "$ref": "#/definitions/MunicipalityCode"
    },
    "SubunitOfLandRegister": {
      "type": "string",
      "maxLength": 60
    },
    "SubunitOfLandRegisterDesignation": {
      "type": "string",
      "maxLength": 80
    },
    "MetadataOfGeographicalBaseData": {
      "$ref": "#/definitions/anyURI"
    },
    "LandRegistryArea": {
      "$ref": "#/definitions/Area"
    },
    "Limit": {
      "$ref": "#/definitions/MultiSurface"
    },
    "RestrictionOnLandownership": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/RestrictionOnLandownership"
      },
      "minItems": 0
    },
    "PlanForLandRegister": {
      "$ref": "#/definitions/Map"
    },
    "PlanForLandRegisterMainPage": {
      "$ref": "#/definitions/Map"
    }
  },
  "required": [
    "Type",
    "Canton",
    "MunicipalityName",
    "MunicipalityCode",
    "LandRegistryArea",
    "PlanForLandRegister",
    "PlanForLandRegisterMainPage"
  ],
  "Disclaimer": {
```



```
"type": "object",
"properties": {
  "Title": {
    "$ref": "#/definitions/MultilingualText"
  },
  "Content": {
    "$ref": "#/definitions/MultilingualMText"
  }
},
"required": [
  "Title",
  "Content"
]
},
"Office": {
  "type": "object",
  "properties": {
    "Name": {
      "$ref": "#/definitions/MultilingualText"
    },
    "OfficeAtWeb": {
      "$ref": "#/definitions/MultilingualUri"
    },
    "UID": {
      "$ref": "#/definitions/UID"
    },
    "Line1": {
      "type": "string",
      "maxLength": 80
    },
    "Line2": {
      "type": "string",
      "maxLength": 80
    },
    "Street": {
      "type": "string",
      "maxLength": 100
    },
    "Number": {
      "type": "string",
      "maxLength": 7
    },
    "PostalCode": {
      "type": "string",
      "maxLength": 4
    },
    "City": {
      "type": "string",
      "maxLength": 60
    }
  },
  "required": [
    "Name"
  ]
},
"Extract": {
  "type": "object",
  "properties": {
    "CreationDate": {
      "$ref": "#/definitions/dateTime"
    },
    "Signature": {
      "$ref": "#/definitions/Signature"
    },
    "ConcernedTheme": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/Theme"
      },
      "minItems": 0
    },
    "NotConcernedTheme": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/Theme"
      }
    }
  }
}
```



```
        "minItems": 0
    },
    "ThemeWithoutData": {
        "type": "array",
        "items": {
            "$ref": "#/definitions/Theme"
        },
        "minItems": 0
    },
    "ExtractIdentifier": {
        "type": "string",
        "maxLength": 50
    },
    "GeneralInformation": {
        "type": "array",
        "items": {
            "$ref": "#/definitions/MultilingualMText"
        },
        "minItems": 0
    },
    "Glossary": {
        "type": "array",
        "items": {
            "$ref": "#/definitions/Glossary"
        },
        "minItems": 0
    },
    "RealEstate": {
        "$ref": "#/definitions/RealEstate_DPR"
    },
    "Disclaimer": {
        "type": "array",
        "items": {
            "$ref": "#/definitions/Disclaimer"
        },
        "minItems": 0
    },
    "PLRCadastreAuthority": {
        "$ref": "#/definitions/Office"
    },
    "UpdateDateCS": {
        "$ref": "#/definitions/dateTime"
    }
},
"oneOf": [
    {
        "properties": {
            "QRCode": {
                "$ref": "#/definitions/base64Binary"
            },
            "LogoPLRCadastre": {
                "$ref": "#/definitions/base64Binary"
            },
            "FederalLogo": {
                "$ref": "#/definitions/base64Binary"
            },
            "CantonalLogo": {
                "$ref": "#/definitions/base64Binary"
            },
            "MunicipalityLogo": {
                "$ref": "#/definitions/base64Binary"
            }
        },
        "required": [
            "LogoPLRCadastre",
            "FederalLogo",
            "CantonalLogo",
            "MunicipalityLogo"
        ]
    },
    {
        "properties": {
            "QRCodeRef": {
                "$ref": "#/definitions/anyURI"
            },
            "LogoPLRCadastreRef": {
```



```
        "$ref": "#/definitions/anyURI"
      },
      "FederalLogoRef": {
        "$ref": "#/definitions/anyURI"
      },
      "CantonalLogoRef": {
        "$ref": "#/definitions/anyURI"
      },
      "MunicipalityLogoRef": {
        "$ref": "#/definitions/anyURI"
      }
    },
    "required": [
      "LogoPLRCadastreRef",
      "FederalLogoRef",
      "CantonalLogoRef",
      "MunicipalityLogoRef"
    ]
  },
  ],
  "required": [
    "CreationDate",
    "ConcernedTheme",
    "NotConcernedTheme",
    "ThemeWithoutData",
    "ExtractIdentifier",
    "RealEstate",
    "PLRCadastreAuthority",
    "UpdateDateCS"
  ]
}
}
```