



## APÉNDICE E

### DOCUMENTACIÓN DE LOS ESQUEMAS CREADOS

Schema **gisonlineFeatures.xsd** incluye **gisonlineDataTypes.xsd**

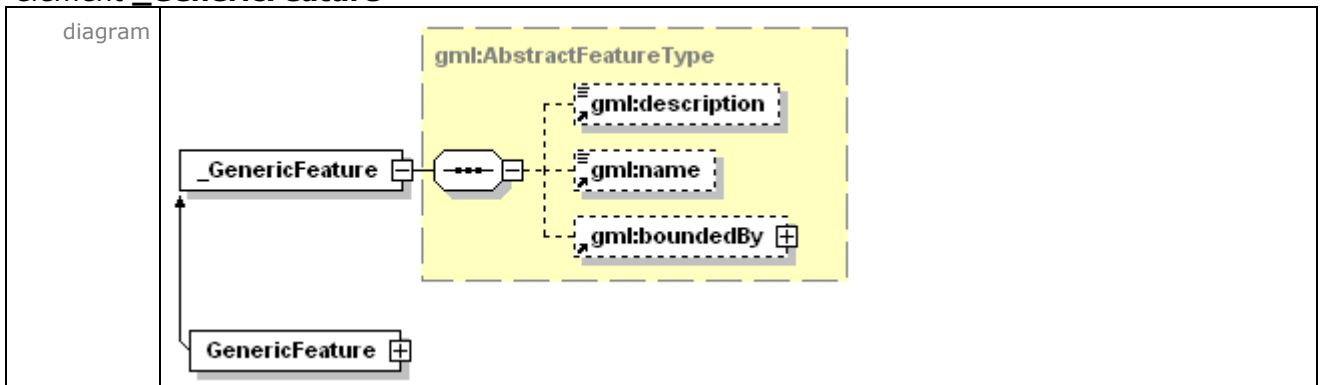
schema location:	<a href="#">gisonlineFeatures.xsd</a>
targetNamespace:	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>

Elements	Complex types
<a href="#">_GenericFeature</a>	<a href="#">featureMemberType</a>
<a href="#">featureMember</a>	<a href="#">GenericFeatureCollectionType</a>
<a href="#">GenericFeature</a>	<a href="#">GenericFeatureType</a>
<a href="#">GenericFeatureCollection</a>	

schema location:	<a href="#">gisonlineDataTypes.xsd</a>
targetNamespace:	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>

Complex types
<a href="#">dateDescriptiveDataType</a>
<a href="#">doubleDescriptiveDataType</a>
<a href="#">floatDescriptiveDataType</a>
<a href="#">geometryDataType</a>
<a href="#">integerDescriptiveDataType</a>
<a href="#">smallintDescriptiveDataType</a>
<a href="#">stringDescriptiveDataType</a>

#### element **\_GenericFeature**





namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>gml:AbstractFeatureType</b>
source	<code>&lt;element name="_GenericFeature" type="gml:AbstractFeatureType" abstract="true" substitutionGroup="gml:_Feature"/&gt;</code>

### element **featureMember**

diagram	<pre>classDiagram     class featureMember     class gisonline__GenericFeature["gisonline:_GenericFeature"]     class GenericFeature     featureMember --&gt; gisonline__GenericFeature     gisonline__GenericFeature &lt; -- GenericFeature</pre>
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<a href="#">gisonline:featureMemberType</a>
children	<a href="#">_GenericFeature</a>
source	<code>&lt;element name="featureMember" type="gisonline:featureMemberType" substitutionGroup="gml:featureMember"/&gt;</code>



element **GenericFeature**

<p>diagram</p>	
<p>namespace</p>	<p><a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a></p>
<p>type</p>	<p><a href="#">gisonline:GenericFeatureType</a></p>
<p>children</p>	<p><a href="#">dateDescriptiveData</a> <a href="#">integerDescriptiveData</a> <a href="#">floatDescriptiveData</a> <a href="#">doubleDescriptiveData</a> <a href="#">smallintDescriptiveData</a> <a href="#">stringDescriptiveData</a> <a href="#">geometryData</a></p>
<p>source</p>	<pre>&lt;element name="GenericFeature" type="gisonline:GenericFeatureType" substitutionGroup="gisonline:_GenericFeature"/&gt;</pre>



### element **GenericFeatureCollection**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:GenericFeatureCollectionType</a>
children	<a href="#">dateCreated</a> , <a href="#">gml:featureMember</a> , <a href="#">GenericFeature</a> , <a href="#">gml:description</a> , <a href="#">gml:name</a> , <a href="#">gml:boundedBy</a>
source	<code>&lt;element name="GenericFeatureCollection" type="gisonline:GenericFeatureCollectionType"/&gt;</code>

### complexType **featureMemberType**

diagram	<p>         □□□ Un featureMember se restringe a los features o featureCollections que se declaren equivalentes          □□□ a gisonline:_GenericFeature.       </p>
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	restriction of <b><a href="#">gml:FeatureAssociationType</a></b>
children	<a href="#">GenericFeature</a>
used by	element <a href="#">featureMember</a>
annotation	<p>documentación</p> <p>Un featureMember se restringe a los features o featureCollections que se declaren equivalentes a gisonline:_GenericFeature.</p>



source	<pre>&lt;complexType name="featureMemberType"&gt;   &lt;annotation&gt;     &lt;documentation&gt;       Un featureMember se restringe a los features o featureCollections que se       declaren equivalentes a gisonline:_GenericFeature.     &lt;/documentation&gt;   &lt;/annotation&gt;   &lt;complexContent&gt;     &lt;restriction base="gml:FeatureAssociationType"&gt;       &lt;sequence minOccurs="0"&gt;         &lt;element name="_GenericFeature"/&gt;       &lt;/sequence&gt;       &lt;attributeGroup ref="gml:AssociationAttributeGroup"/&gt;     &lt;/restriction&gt;   &lt;/complexContent&gt; &lt;/complexType&gt;</pre>
--------	---

complexType **GenericFeatureCollectionType**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	extension of <b>gml:AbstractFeatureCollectionType</b>
children	<a href="#">dateCreated</a>
used by	element <a href="#">GenericFeatureCollection</a>
source	<pre>&lt;complexType name="GenericFeatureCollectionType"&gt;   &lt;complexContent&gt;     &lt;extension base="gml:AbstractFeatureCollectionType"&gt;       &lt;sequence&gt;         &lt;element name="dateCreated" type="gYearMonth" minOccurs="0"/&gt;       &lt;/sequence&gt;     &lt;/extension&gt;   &lt;/complexContent&gt; &lt;/complexType&gt;</pre>



element **GenericFeatureCollectionType/dateCreated**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>gYearMonth</b>
source	<element name="dateCreated" type="gYearMonth" minOccurs="0"/>

complexType **GenericFeatureType**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	extension of <b>gml:AbstractFeatureType</b>
children	<a href="#">dateDescriptiveData</a> <a href="#">integerDescriptiveData</a> <a href="#">floatDescriptiveData</a> <a href="#">doubleDescriptiveData</a> <a href="#">smallintDescriptiveData</a> <a href="#">stringDescriptiveData</a> <a href="#">geometryData</a>
used by	element <a href="#">GenericFeatu</a> <a href="#">re</a>



source	<pre> &lt;complexType name="GenericFeatureType"&gt;   &lt;complexContent&gt;     &lt;extension base="gml:AbstractFeatureType"&gt;       &lt;sequence maxOccurs="unbounded"&gt;         &lt;element name="dateDescriptiveData" type="gisonline:dateDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;         &lt;element name="integerDescriptiveData" type="gisonline:integerDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;         &lt;element name="floatDescriptiveData" type="gisonline:floatDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;         &lt;element name="doubleDescriptiveData" type="gisonline:doubleDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;         &lt;element name="smallintDescriptiveData" type="gisonline:smallintDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;         &lt;element name="stringDescriptiveData" type="gisonline:stringDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;         &lt;element name="geometryData" type="gisonline:geometryDataType" minOccurs="0" maxOccurs="unbounded"/&gt;         &lt;!-- &lt;element ref="gml:geometryProperty"/&gt; --&gt;       &lt;/sequence&gt;     &lt;/extension&gt;   &lt;/complexContent&gt; &lt;/complexType&gt; </pre>
--------	---

element **GenericFeatureType/dateDescriptiveData**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:dateDescriptiveDataType</a>
children	<a href="#">dataName</a> <a href="#">dataValue</a>
source	<pre> &lt;element name="dateDescriptiveData" type="gisonline:dateDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt; </pre>

element **GenericFeatureType/integerDescriptiveData**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:integerDescriptiveDataType</a>
children	<a href="#">dataName</a> <a href="#">dataValue</a>



source	<code>&lt;element name="integerDescriptiveData" type="gisonline:integerDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;</code>
--------	---

**element GenericFeatureType/floatDescriptiveData**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:floatDescriptiveDataType</a>
children	<a href="#">dataName</a> <a href="#">dataValue</a>
source	<code>&lt;element name="floatDescriptiveData" type="gisonline:floatDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;</code>

**element GenericFeatureType/doubleDescriptiveData**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:doubleDescriptiveDataType</a>
children	<a href="#">dataName</a> <a href="#">dataValue</a>
source	<code>&lt;element name="doubleDescriptiveData" type="gisonline:doubleDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;</code>

**element GenericFeatureType/smallintDescriptiveData**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:smallintDescriptiveDataType</a>
children	<a href="#">dataName</a> <a href="#">dataValue</a>





source	<code>&lt;element name="smallintDescriptiveData" type="gisonline:smallintDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;</code>
--------	---

element **GenericFeatureType/stringDescriptiveData**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:stringDescriptiveDataType</a>
children	<a href="#">dataName</a> <a href="#">dataValue</a>
source	<code>&lt;element name="stringDescriptiveData" type="gisonline:stringDescriptiveDataType" minOccurs="0" maxOccurs="unbounded"/&gt;</code>

element **GenericFeatureType/geometryData**

diagram	
namespace	<a href="http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline">http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline</a>
type	<a href="#">gisonline:geometryDataType</a>
children	<b><a href="#">gml:Point</a> <a href="#">gml:MultiPoint</a> <a href="#">gml:LineString</a> <a href="#">gml:LinearRing</a> <a href="#">gml:MultiLineString</a> <a href="#">gml:Polygon</a> <a href="#">gml:MultiPolygon</a> <a href="#">gml:MultiGeometry</a></b>
source	<code>&lt;element name="geometryData" type="gisonline:geometryDataType" minOccurs="0" maxOccurs="unbounded"/&gt;</code>



**complexType [gisonline:dateDescriptiveDataType](#)**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
children	<a href="#">dataName</a> <a href="#">dataValue</a>
used by	element <a href="#">GenericFeatureType/dateDescriptiveData</a>
source	<pre>&lt;complexType name="dateDescriptiveDataType"&gt;   &lt;sequence&gt;     &lt;element name="dataName" type="string"/&gt;     &lt;element name="dataValue" type="date"/&gt;   &lt;/sequence&gt; &lt;/complexType&gt;</pre>

**element [gisonline:dateDescriptiveDataType/dataName](#)**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>string</b>
source	<pre>&lt;element name="dataName" type="string"/&gt;</pre>

**element [gisonline:dateDescriptiveDataType/dataValue](#)**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>date</b>
source	<pre>&lt;element name="dataValue" type="date"/&gt;</pre>

**complexType [gisonline:doubleDescriptiveDataType](#)**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
children	<a href="#">dataName</a> <a href="#">dataValue</a>
used by	element <a href="#">GenericFeatureType/doubleDescriptiveData</a>



source	<pre>&lt;complexType name="doubleDescriptiveDataType"&gt;   &lt;sequence&gt;     &lt;element name="dataName" type="string"/&gt;     &lt;element name="dataValue" type="double"/&gt;   &lt;/sequence&gt; &lt;/complexType&gt;</pre>
--------	--

### element **gisonline:doubleDescriptiveDataType/dataName**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>string</b>
source	<pre>&lt;element name="dataName" type="string"/&gt;</pre>

### element **gisonline:doubleDescriptiveDataType/dataValue**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>double</b>
source	<pre>&lt;element name="dataValue" type="double"/&gt;</pre>

### complexType **gisonline:floatDescriptiveDataType**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
children	<a href="#">dataName</a> <a href="#">dataValue</a>
used by	element <a href="#">GenericFeatureType/floatDescriptiveData</a>
source	<pre>&lt;complexType name="floatDescriptiveDataType"&gt;   &lt;sequence&gt;     &lt;element name="dataName" type="string"/&gt;     &lt;element name="dataValue" type="float"/&gt;   &lt;/sequence&gt; &lt;/complexType&gt;</pre>

### element **gisonline:floatDescriptiveDataType/dataName**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline



type	<b>string</b>
source	<code>&lt;element name="dataName" type="string"/&gt;</code>

element **gisonline:floatDescriptiveDataType/dataValue**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>float</b>
source	<code>&lt;element name="dataValue" type="float"/&gt;</code>

complexType **gisonline:geometryDataType**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	restriction of <b>gml:GeometryPropertyType</b>
children	<b>gml:Point gml:MultiPoint gml:LineString gml:LinearRing gml:MultiLineString gml:Polygon gml:MultiPolygon gml:MultiGeometry</b>
used by	element <a href="#">GenericFeatureType/geometryData</a>
source	<pre>&lt;complexType name="geometryDataType"&gt;   &lt;complexContent&gt;     &lt;restriction base="gml:GeometryPropertyType"&gt;       &lt;sequence&gt;         &lt;choice&gt;           &lt;element ref="gml:Point"/&gt;           &lt;element ref="gml:MultiPoint"/&gt;           &lt;element ref="gml:LineString"/&gt;           &lt;element ref="gml:LinearRing"/&gt;           &lt;element ref="gml:MultiLineString"/&gt;           &lt;element ref="gml:Polygon"/&gt;           &lt;element ref="gml:MultiPolygon"/&gt;           &lt;element ref="gml:MultiGeometry"/&gt;         &lt;/choice&gt;       &lt;/sequence&gt;     &lt;/restriction&gt;   &lt;/complexContent&gt; &lt;/complexType&gt;</pre>




```


</restriction>
</complexContent>
</complexType>

```


### complexType **gisonline:integerDescriptiveDataType**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
children	<a href="#">dataName</a> <a href="#">dataValue</a>
used by	element <a href="#">GenericFeatureType/integerDescriptiveData</a>
source	<pre> &lt;complexType name="integerDescriptiveDataType"&gt;   &lt;sequence&gt;     &lt;element name="dataName" type="string"/&gt;     &lt;element name="dataValue" type="integer"/&gt;   &lt;/sequence&gt; &lt;/complexType&gt; </pre>


### element **gisonline:integerDescriptiveDataType/dataName**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>string</b>
source	<pre> &lt;element name="dataName" type="string"/&gt; </pre>

### element **gisonline:integerDescriptiveDataType/dataValue**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>integer</b>
source	<pre> &lt;element name="dataValue" type="integer"/&gt; </pre>

### complexType **gisonline:smallintDescriptiveDataType**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
children	<a href="#">dataName</a> <a href="#">dataValue</a>



used by	element <a href="#">GenericFeatureType/smallintDescripti veData</a>
source	<pre>&lt;complexType name="smallintDescriptiveDataType"&gt;   &lt;sequence&gt;     &lt;element name="dataName" type="string"/&gt;     &lt;element name="dataValue" type="short"/&gt;   &lt;/sequence&gt; &lt;/complexType&gt;</pre>

element **gisonline:smallintDescriptiveDataType/dataName**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>string</b>
source	<pre>&lt;element name="dataName" type="string"/&gt;</pre>

element **gisonline:smallintDescriptiveDataType/dataValue**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>short</b>
source	<pre>&lt;element name="dataValue" type="short"/&gt;</pre>

complexType **gisonline:stringDescriptiveDataType**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
children	<a href="#">dataName</a> <a href="#">dataValue</a>
used by	element <a href="#">GenericFeatureType/stringDescripti veData</a>
source	<pre>&lt;complexType name="stringDescriptiveDataType"&gt;   &lt;sequence&gt;     &lt;element name="dataName" type="string"/&gt;     &lt;element name="dataValue" type="string"/&gt;   &lt;/sequence&gt; &lt;/complexType&gt;</pre>


element **gisonline:stringDescriptiveDataType/dataName**

diagram	
---------	--



namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>string</b>
source	<code>&lt;element name="dataName" type="string"/&gt;</code>

**element gisonline:stringDescriptiveDataType/dataValue**

diagram	
namespace	http://www.udlap.mx/~gisudla/gml2.1.2/namespaces/gisonline
type	<b>string</b>
source	<code>&lt;element name="dataValue" type="string"/&gt;</code>