

# Schema documentation for ASMM - Metadata schema.xsd

september 19, 2017

## Table of Contents

Namespace: "http://www.eufar.net/ASMM" .....	2
Schema(s) .....	2
Main schema ASMM - Metadata schema.xsd .....	2
Element(s) .....	2
Element asmm:MissionMetadata .....	2
Element asmm:CreationDate .....	3
Element asmm:RevisionDate .....	3
Element asmm:FlightInformation .....	4
Element asmm:FlightNumber .....	5
Element asmm:Date .....	5
Element asmm:ProjectAcronym .....	5
Element asmm:MissionScientist .....	5
Element asmm:FlightManager .....	6
Element asmm:Platform .....	6
Element asmm:Operator .....	6
Element asmm:OperatorCountry .....	6
Element asmm:Manufacturer .....	6
Element asmm:RegistrationNumber .....	7
Element asmm:Localisation .....	7
Element asmm:ContactInfo .....	7
Element asmm:ContactName .....	8
Element asmm:ContactRole .....	8
Element asmm:ContactEmail .....	8
Element asmm:ScientificAims .....	8
Element asmm:SA_Code .....	9
Element asmm:SA_User .....	10
Element asmm:SA_Other .....	10
Element asmm:GeographicalRegion .....	10
Element asmm:GeographicBoundingBox .....	11
Element asmm:westBoundLongitude .....	11
Element asmm:eastBoundLongitude .....	12
Element asmm:northBoundLatitude .....	12
Element asmm:southBoundLatitude .....	12
Element asmm:minAltitude .....	12
Element asmm:maxAltitude .....	13
Element asmm:GR_Code .....	13
Element asmm:GR_User .....	13
Element asmm:GR_Other .....	14
Element asmm:AtmosFeatures .....	14
Element asmm:AF_Code .....	14
Element asmm:AF_User .....	15
Element asmm:AF_Other .....	15
Element asmm:CloudTypes .....	16
Element asmm:CT_Code .....	16
Element asmm:CT_User .....	17
Element asmm:CT_Other .....	17
Element asmm:ParticlesSampled .....	17
Element asmm:PS_Code .....	18
Element asmm:PS_User .....	18
Element asmm:PS_Other .....	18
Element asmm:SurfacesOverflown .....	19
Element asmm:SO_Code .....	19
Element asmm:SO_User .....	20
Element asmm:SO_Other .....	20
Element asmm:AltitudeRanges .....	20
Element asmm:AR_Code .....	21
Element asmm:AR_User .....	21
Element asmm:AR_Other .....	21
Element asmm:FlightTypes .....	22
Element asmm:FT_Code .....	22

Element asmm:FT_User .....	23
Element asmm:FT_Other .....	23
Element asmm:SatelliteCoordination .....	23
Element asmm:SC_Code .....	23
Element asmm:SC_User .....	24
Element asmm:SC_Other .....	24
Element asmm:SurfaceObs .....	24
Element asmm:GroundSite .....	25
Element asmm:ResearchVessel .....	25
Element asmm:ArmSite .....	25
Element asmm:ArmMobile .....	26
Element asmm:OtherComments .....	26

## Namespace: "http://www.eufar.net/ASMM"

### Schema(s)

#### Main schema ASMM - Metadata schema.xsd

Namespace	http://www.eufar.net/ASMM
Properties	attribute form default: unqualified element form default: qualified

### Element(s)

#### Element asmm:MissionMetadata

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Model	asmm:CreationDate , asmm:RevisionDate , asmm:FlightInformation , asmm:ContactInfo , asmm:ScientificAims , asmm:GeographicalRegion , asmm:AtmosFeatures , asmm:CloudTypes , asmm:ParticlesSampled , asmm:SurfacesOverflown , asmm:AltitudeRanges , asmm:FlightTypes , asmm:SatelliteCoordination , asmm:SurfaceObs , asmm:OtherComments

Children	asmm:AltitudeRanges, asmm:AtmosFeatures, asmm:CloudTypes, asmm:ContactInfo, asmm:CreationDate, asmm:FlightInformation, asmm:FlightTypes, asmm:GeographicalRegion, asmm:OtherComments, asmm:ParticlesSampled, asmm:RevisionDate, asmm:SatelliteCoordination, asmm:ScientificAims, asmm:SurfaceObs, asmm:SurfacesOverflown
Instance	<pre> &lt;asmm:MissionMetadata xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:CreationDate&gt;{1,1}&lt;/asmm:CreationDate&gt;   &lt;asmm:RevisionDate&gt;{1,1}&lt;/asmm:RevisionDate&gt;   &lt;asmm:FlightInformation&gt;{1,1}&lt;/asmm:FlightInformation&gt;   &lt;asmm:ContactInfo&gt;{1,1}&lt;/asmm:ContactInfo&gt;   &lt;asmm:ScientificAims&gt;{1,1}&lt;/asmm:ScientificAims&gt;   &lt;asmm:GeographicalRegion&gt;{1,1}&lt;/asmm:GeographicalRegion&gt;   &lt;asmm:AtmosFeatures&gt;{1,1}&lt;/asmm:AtmosFeatures&gt;   &lt;asmm:CloudTypes&gt;{1,1}&lt;/asmm:CloudTypes&gt;   &lt;asmm:ParticlesSampled&gt;{1,1}&lt;/asmm:ParticlesSampled&gt;   &lt;asmm:SurfacesOverflown&gt;{1,1}&lt;/asmm:SurfacesOverflown&gt;   &lt;asmm:AltitudeRanges&gt;{1,1}&lt;/asmm:AltitudeRanges&gt;   &lt;asmm:FlightTypes&gt;{1,1}&lt;/asmm:FlightTypes&gt;   &lt;asmm:SatelliteCoordination&gt;{1,1}&lt;/asmm:SatelliteCoordination&gt;   &lt;asmm:SurfaceObs&gt;{1,1}&lt;/asmm:SurfaceObs&gt;   &lt;asmm:OtherComments&gt;{1,1}&lt;/asmm:OtherComments&gt; &lt;/asmm:MissionMetadata&gt; </pre>
Source	<pre> &lt;xs:element name="MissionMetadata"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:CreationDate"/&gt;       &lt;xs:element ref="asmm:RevisionDate"/&gt;       &lt;xs:element ref="asmm:FlightInformation"/&gt;       &lt;xs:element ref="asmm:ContactInfo"/&gt;       &lt;xs:element ref="asmm:ScientificAims"/&gt;       &lt;xs:element ref="asmm:GeographicalRegion"/&gt;       &lt;xs:element ref="asmm:AtmosFeatures"/&gt;       &lt;xs:element ref="asmm:CloudTypes"/&gt;       &lt;xs:element ref="asmm:ParticlesSampled"/&gt;       &lt;xs:element ref="asmm:SurfacesOverflown"/&gt;       &lt;xs:element ref="asmm:AltitudeRanges"/&gt;       &lt;xs:element ref="asmm:FlightTypes"/&gt;       &lt;xs:element ref="asmm:SatelliteCoordination"/&gt;       &lt;xs:element ref="asmm:SurfaceObs"/&gt;       &lt;xs:element ref="asmm:OtherComments"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

## Element asmm:CreationDate

Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	xs:date	
Properties	content:	simple
Used by	Element	asmm:MissionMetadata
Source	<xs:element name="CreationDate" type="xs:date" />	

## Element asmm:RevisionDate

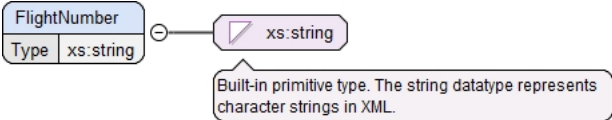
Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	xs:date	
Properties	content:	simple
Used by	Element	asmm:MissionMetadata
Source	<xs:element name="RevisionDate" type="xs:date" />	

## Element `asmm:FlightInformation`

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element <code>asmm:MissionMetadata</code>
Model	<code>asmm:FlightNumber</code> , <code>asmm:Date</code> , <code>asmm:ProjectAcronym</code> , <code>asmm:MissionScientist</code> , <code>asmm:FlightManager</code> , <code>asmm:Platform</code> , <code>asmm:Operator</code> , <code>asmm:OperatorCountry</code> , <code>asmm:Manufacturer</code> , <code>asmm:RegistrationNumber</code> , <code>asmm:Localisation</code>
Children	<code>asmm:Date</code> , <code>asmm:FlightManager</code> , <code>asmm:FlightNumber</code> , <code>asmm:Localisation</code> , <code>asmm:Manufacturer</code> , <code>asmm:MissionScientist</code> , <code>asmm:Operator</code> , <code>asmm:OperatorCountry</code> , <code>asmm:Platform</code> , <code>asmm:ProjectAcronym</code> , <code>asmm:RegistrationNumber</code>
Instance	<pre> &lt;asmm:FlightInformation xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:FlightNumber&gt;{1,1}&lt;/asmm:FlightNumber&gt;   &lt;asmm:Date&gt;{1,1}&lt;/asmm:Date&gt;   &lt;asmm:ProjectAcronym&gt;{1,1}&lt;/asmm:ProjectAcronym&gt;   &lt;asmm:MissionScientist&gt;{1,1}&lt;/asmm:MissionScientist&gt;   &lt;asmm:FlightManager&gt;{1,1}&lt;/asmm:FlightManager&gt;   &lt;asmm:Platform&gt;{1,1}&lt;/asmm:Platform&gt;   &lt;asmm:Operator&gt;{1,1}&lt;/asmm:Operator&gt;   &lt;asmm:OperatorCountry&gt;{1,1}&lt;/asmm:OperatorCountry&gt;   &lt;asmm:Manufacturer&gt;{1,1}&lt;/asmm:Manufacturer&gt;   &lt;asmm:RegistrationNumber&gt;{1,1}&lt;/asmm:RegistrationNumber&gt;   &lt;asmm:Localisation&gt;{1,1}&lt;/asmm:Localisation&gt; &lt;/asmm:FlightInformation&gt; </pre>
Source	<pre> &lt;xs:element name="FlightInformation"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:FlightNumber"/&gt;       &lt;xs:element ref="asmm:Date"/&gt;       &lt;xs:element ref="asmm:ProjectAcronym"/&gt;       &lt;xs:element ref="asmm:MissionScientist"/&gt;       &lt;xs:element ref="asmm:FlightManager"/&gt;       &lt;xs:element ref="asmm:Platform"/&gt;       &lt;xs:element ref="asmm:Operator"/&gt;       &lt;xs:element ref="asmm:OperatorCountry"/&gt;       &lt;xs:element ref="asmm:Manufacturer"/&gt;       &lt;xs:element ref="asmm:RegistrationNumber"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

```
<xs:element ref="asmm:Localisation" />
</xs:sequence>
</xs:complexType>
</xs:element>
```

## Element **asmm:FlightNumber**

Namespace	http://www.eufar.net/ASMM		
Diagram			
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<xs:element name="FlightNumber" type="xs:string" />		

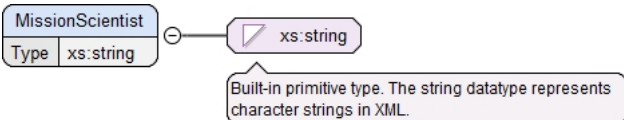
## Element **asmm:Date**

Namespace	http://www.eufar.net/ASMM		
Diagram			
Type	xs:date		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<xs:element name="Date" type="xs:date" />		

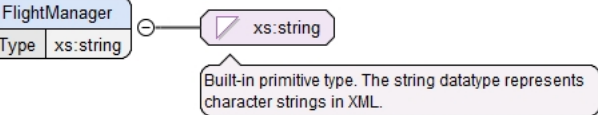
## Element **asmm:ProjectAcronym**

Namespace	http://www.eufar.net/ASMM		
Diagram	<div><div><div>ProjectAcronym</div><div>Typexs:string</div></div><div>⊖</div><div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div></div>		
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<xs:element name="ProjectAcronym" type="xs:string" />		

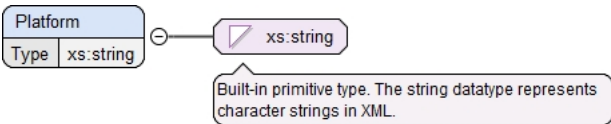
## Element **asmm:MissionScientist**

Namespace	http://www.eufar.net/ASMM		
Diagram	<div><div><div>MissionScientist</div><div>Typexs:string</div></div><div></div></div>		
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<xs:element name="MissionScientist" type="xs:string"/>		

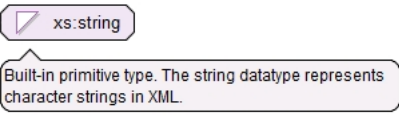
## Element **asmm:FlightManager**

Namespace	http://www.eufar.net/ASMM		
Diagram	 <p>The diagram illustrates the <code>FlightManager</code> element, which is a container for a single child element of type <code>xs:string</code>. A callout box provides additional context, stating that <code>xs:string</code> is a built-in primitive type used to represent character strings in XML.</p>		
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<code>&lt;xs:element name="FlightManager" type="xs:string" /&gt;</code>		

## Element **asmm:Platform**

Namespace	http://www.eufar.net/ASMM		
Diagram			
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<xs:element name="Platform" type="xs:string" />		

## Element **asmm:Operator**

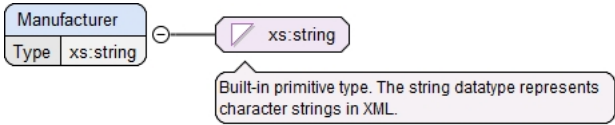
Namespace	http://www.eufar.net/ASMM		
Diagram	<div><div><div>Operator</div><div>Typexs:string</div></div><div></div></div>		
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<xs:element name="Operator" type="xs:string" />		

## Element **asmm:OperatorCountry**

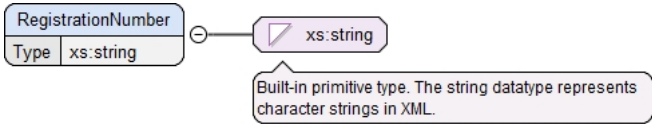
Namespace	http://www.eufar.net/ASMM		
Diagram	<div><div><div>OperatorCountry</div><div>Typexs:string</div></div><div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div></div>		
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:FlightInformation	
Source	<xs:element name="OperatorCountry" type="xs:string"/>		

## Element **asmm:Manufacturer**

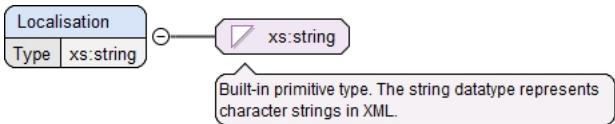
Namespace	http://www.eufar.net/ASMM		
-----------	---------------------------	--	--

Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	<code>&lt;xs:element name="Manufacturer" type="xs:string"/&gt;</code>

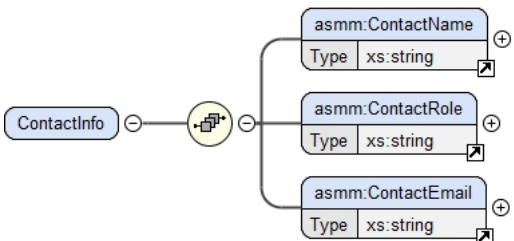
## Element asmm:RegistrationNumber

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	<code>&lt;xs:element name="RegistrationNumber" type="xs:string"/&gt;</code>

## Element asmm:Localisation

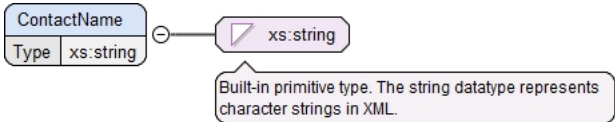
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:FlightInformation
Source	<code>&lt;xs:element name="Localisation" type="xs:string"/&gt;</code>

## Element asmm:ContactInfo

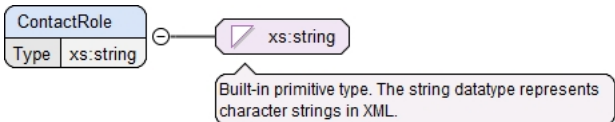
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:ContactName , asmm:ContactRole , asmm:ContactEmail
Children	asmm:ContactEmail, asmm:ContactName, asmm:ContactRole
Instance	<pre>&lt;asmm:ContactInfo xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:ContactName&gt;{1,1}&lt;/asmm:ContactName&gt;   &lt;asmm:ContactRole&gt;{1,1}&lt;/asmm:ContactRole&gt;   &lt;asmm:ContactEmail&gt;{1,1}&lt;/asmm:ContactEmail&gt; &lt;/asmm:ContactInfo&gt;</pre>

Source	<pre> &lt;xs:element name="ContactInfo"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:ContactName" /&gt;       &lt;xs:element ref="asmm:ContactRole" /&gt;       &lt;xs:element ref="asmm:ContactEmail" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>
--------	---

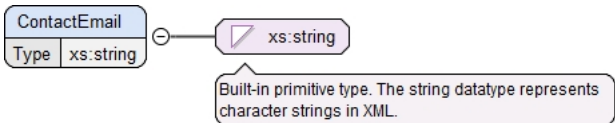
## Element **asmm:ContactName**

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ContactInfo
Source	<pre> &lt;xs:element name="ContactName" type="xs:string" /&gt; </pre>

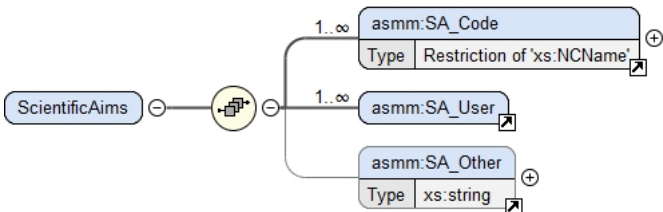
## Element **asmm:ContactRole**

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ContactInfo
Source	<pre> &lt;xs:element name="ContactRole" type="xs:string" /&gt; </pre>

## Element **asmm:ContactEmail**

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ContactInfo
Source	<pre> &lt;xs:element name="ContactEmail" type="xs:string" /&gt; </pre>

## Element **asmm:ScientificAims**

Namespace	http://www.eufar.net/ASMM
Diagram	



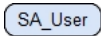
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:SA_Code+ , asmm:SA_User+ , asmm:SA_Other{0,1}
Children	asmm:SA_Code, asmm:SA_Other, asmm:SA_User
Instance	<pre>&lt;asmm:ScientificAims xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:SA_Code&gt;{1,unbounded}&lt;/asmm:SA_Code&gt;   &lt;asmm:SA_User&gt;{1,unbounded}&lt;/asmm:SA_User&gt;   &lt;asmm:SA_Other&gt;{0,1}&lt;/asmm:SA_Other&gt; &lt;/asmm:ScientificAims&gt;</pre>
Source	<pre>&lt;xs:element name="ScientificAims"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SA_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SA_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:SA_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element asmm:SA\_Code

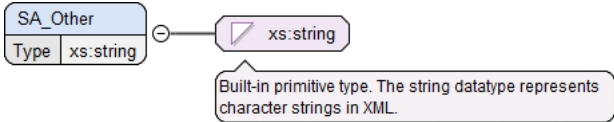
Namespace	http://www.eufar.net/ASMM																																								
Diagram	<p>The diagram shows a box labeled 'SA_Code' with 'Type' and 'Restriction of 'xs:NCName'' below it. A line connects this box to a purple box labeled 'restricts: xs:NCName' with a circled plus sign.</p>																																								
Type	restriction of xs:NCName																																								
Properties	content: simple																																								
Facets	<table> <tr><td>enumeration</td><td>Satellite Cal/Val</td></tr> <tr><td>enumeration</td><td>Aerosol</td></tr> <tr><td>enumeration</td><td>Radiative properties/ impacts (Aerosol)</td></tr> <tr><td>enumeration</td><td>Cloud microphysical impacts (Aerosol)</td></tr> <tr><td>enumeration</td><td>Anthropogenic pollution</td></tr> <tr><td>enumeration</td><td>Mesoscale atmospheric impacts</td></tr> <tr><td>enumeration</td><td>Microphysics (Cloud)</td></tr> <tr><td>enumeration</td><td>Dynamics (Cloud)</td></tr> <tr><td>enumeration</td><td>Radiative properties (Cloud)</td></tr> <tr><td>enumeration</td><td>Convection dynamics (Cloud)</td></tr> <tr><td>enumeration</td><td>Cloud (Boundary-layer)</td></tr> <tr><td>enumeration</td><td>Dynamics (Boundary-layer)</td></tr> <tr><td>enumeration</td><td>Radiation</td></tr> <tr><td>enumeration</td><td>Atmospheric spectroscopy (Radiation)</td></tr> <tr><td>enumeration</td><td>Surface properties/ retrievals (Radiation)</td></tr> <tr><td>enumeration</td><td>Other (Radiation)</td></tr> <tr><td>enumeration</td><td>Gas chemistry</td></tr> <tr><td>enumeration</td><td>Oxydants (Gas chemistry)</td></tr> <tr><td>enumeration</td><td>Organics (Gas chemistry)</td></tr> <tr><td>enumeration</td><td>Other (Gas chemistry)</td></tr> </table>	enumeration	Satellite Cal/Val	enumeration	Aerosol	enumeration	Radiative properties/ impacts (Aerosol)	enumeration	Cloud microphysical impacts (Aerosol)	enumeration	Anthropogenic pollution	enumeration	Mesoscale atmospheric impacts	enumeration	Microphysics (Cloud)	enumeration	Dynamics (Cloud)	enumeration	Radiative properties (Cloud)	enumeration	Convection dynamics (Cloud)	enumeration	Cloud (Boundary-layer)	enumeration	Dynamics (Boundary-layer)	enumeration	Radiation	enumeration	Atmospheric spectroscopy (Radiation)	enumeration	Surface properties/ retrievals (Radiation)	enumeration	Other (Radiation)	enumeration	Gas chemistry	enumeration	Oxydants (Gas chemistry)	enumeration	Organics (Gas chemistry)	enumeration	Other (Gas chemistry)
enumeration	Satellite Cal/Val																																								
enumeration	Aerosol																																								
enumeration	Radiative properties/ impacts (Aerosol)																																								
enumeration	Cloud microphysical impacts (Aerosol)																																								
enumeration	Anthropogenic pollution																																								
enumeration	Mesoscale atmospheric impacts																																								
enumeration	Microphysics (Cloud)																																								
enumeration	Dynamics (Cloud)																																								
enumeration	Radiative properties (Cloud)																																								
enumeration	Convection dynamics (Cloud)																																								
enumeration	Cloud (Boundary-layer)																																								
enumeration	Dynamics (Boundary-layer)																																								
enumeration	Radiation																																								
enumeration	Atmospheric spectroscopy (Radiation)																																								
enumeration	Surface properties/ retrievals (Radiation)																																								
enumeration	Other (Radiation)																																								
enumeration	Gas chemistry																																								
enumeration	Oxydants (Gas chemistry)																																								
enumeration	Organics (Gas chemistry)																																								
enumeration	Other (Gas chemistry)																																								
Used by	Element asmm:ScientificAims																																								
Source	<pre>&lt;xs:element name="SA_Code"&gt;   &lt;xs:simpleType&gt;</pre>																																								

```
<xs:restriction base="xs:NCName">
  <xs:enumeration value="Satellite Cal/Val" />
  <xs:enumeration value="Aerosol" />
  <xs:enumeration value="Radiative properties/impacts (Aerosol)" />
  <xs:enumeration value="Cloud microphysical impacts (Aerosol)" />
  <xs:enumeration value="Anthropogenic pollution" />
  <xs:enumeration value="Mesoscale atmospheric impacts" />
  <xs:enumeration value="Microphysics (Cloud)" />
  <xs:enumeration value="Dynamics (Cloud)" />
  <xs:enumeration value="Radiative properties (Cloud)" />
  <xs:enumeration value="Convection dynamics (Cloud)" />
  <xs:enumeration value="Cloud (Boundary-layer)" />
  <xs:enumeration value="Dynamics (Boundary-layer)" />
  <xs:enumeration value="Radiation" />
  <xs:enumeration value="Atmospheric spectroscopy (Radiation)" />
  <xs:enumeration value="Surface properties/retrievals (Radiation)" />
  <xs:enumeration value="Other (Radiation)" />
  <xs:enumeration value="Gas chemistry" />
  <xs:enumeration value="Oxydants (Gas chemistry)" />
  <xs:enumeration value="Organics (Gas chemistry)" />
  <xs:enumeration value="Other (Gas chemistry)" />
</xs:restriction>
</xs:simpleType>
</xs:element>
```

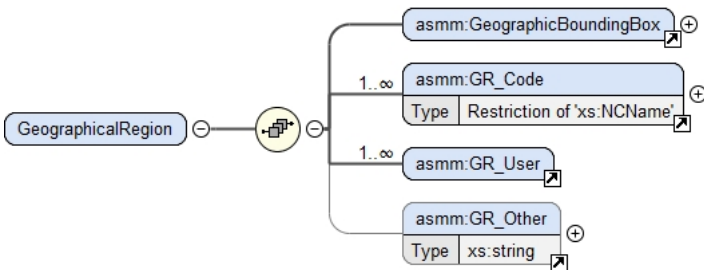
## Element asmm:SA\_User

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element asmm:ScientificAims
Source	<code>&lt;xs:element name="SA_User" /&gt;</code>

## Element asmm:SA\_Other

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:ScientificAims
Source	<code>&lt;xs:element name="SA_Other" type="xs:string" /&gt;</code>

## Element asmm:GeographicalRegion

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:GeographicBoundingBox , asmm:GR_Code+ , asmm:GR_User+ , asmm:GR_Other{0,1}
Children	asmm:GR_Code, asmm:GR_Other, asmm:GR_User, asmm:GeographicBoundingBox

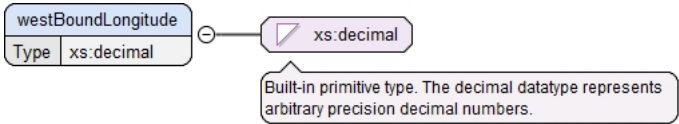
Instance	<pre>&lt;asmm:GeographicalRegion xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:GeographicBoundingBox&gt;{1,1}&lt;/asmm:GeographicBoundingBox&gt;   &lt;asmm:GR_Code&gt;{1,unbounded}&lt;/asmm:GR_Code&gt;   &lt;asmm:GR_User&gt;{1,unbounded}&lt;/asmm:GR_User&gt;   &lt;asmm:GR_Other&gt;{0,1}&lt;/asmm:GR_Other&gt; &lt;/asmm:GeographicalRegion&gt;</pre>
Source	<pre>&lt;xs:element name="GeographicalRegion"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:GeographicBoundingBox"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:GR_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:GR_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:GR_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element asmm:GeographicBoundingBox

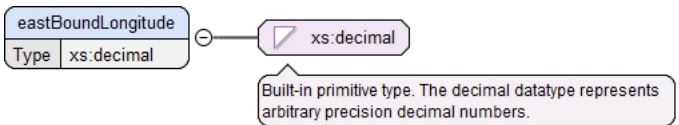
Namespace	http://www.eufar.net/ASMM
Diagram	<pre> graph LR     GB[GeographicBoundingBox] --- WBL[asmm:westBoundLongitude]     GB --- EBL[asmm:eastBoundLongitude]     GB --- NBL[asmm:northBoundLatitude]     GB --- SBL[asmm:southBoundLatitude]     GB --- MA[asmm:minAltitude]     GB --- MXA[asmm:maxAltitude]     WBL --- WBL_Type[Type xs:decimal]     EBL --- EBL_Type[Type xs:decimal]     NBL --- NBL_Type[Type xs:decimal]     SBL --- SBL_Type[Type xs:decimal]     MA --- MA_Type[Type xs:decimal]     MXA --- MXA_Type[Type xs:decimal]   </pre>
Properties	content: complex
Used by	Element asmm:GeographicalRegion
Model	asmm:westBoundLongitude , asmm:eastBoundLongitude , asmm:northBoundLatitude , asmm:southBoundLatitude , asmm:minAltitude , asmm:maxAltitude
Children	asmm:eastBoundLongitude, asmm:maxAltitude, asmm:minAltitude, asmm:northBoundLatitude, asmm:southBoundLatitude, asmm:westBoundLongitude
Instance	<pre>&lt;asmm:GeographicBoundingBox xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:westBoundLongitude&gt;{1,1}&lt;/asmm:westBoundLongitude&gt;   &lt;asmm:eastBoundLongitude&gt;{1,1}&lt;/asmm:eastBoundLongitude&gt;   &lt;asmm:northBoundLatitude&gt;{1,1}&lt;/asmm:northBoundLatitude&gt;   &lt;asmm:southBoundLatitude&gt;{1,1}&lt;/asmm:southBoundLatitude&gt;   &lt;asmm:minAltitude&gt;{1,1}&lt;/asmm:minAltitude&gt;   &lt;asmm:maxAltitude&gt;{1,1}&lt;/asmm:maxAltitude&gt; &lt;/asmm:GeographicBoundingBox&gt;</pre>
Source	<pre>&lt;xs:element name="GeographicBoundingBox"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:westBoundLongitude"/&gt;       &lt;xs:element ref="asmm:eastBoundLongitude"/&gt;       &lt;xs:element ref="asmm:northBoundLatitude"/&gt;       &lt;xs:element ref="asmm:southBoundLatitude"/&gt;       &lt;xs:element ref="asmm:minAltitude"/&gt;       &lt;xs:element ref="asmm:maxAltitude"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element asmm:westBoundLongitude

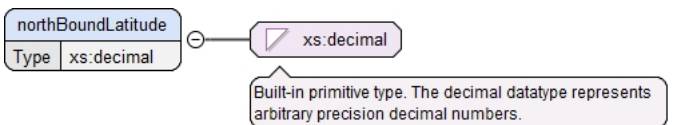
Namespace	http://www.eufar.net/ASMM
-----------	---------------------------

Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="westBoundLongitude" type="xs:decimal" /&gt;</code>

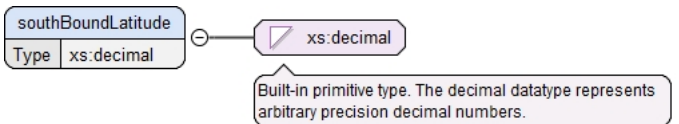
### Element asmm: eastBoundLongitude

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="eastBoundLongitude" type="xs:decimal" /&gt;</code>

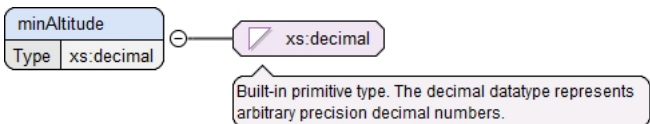
### Element asmm: northBoundLatitude

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="northBoundLatitude" type="xs:decimal" /&gt;</code>

### Element asmm: southBoundLatitude

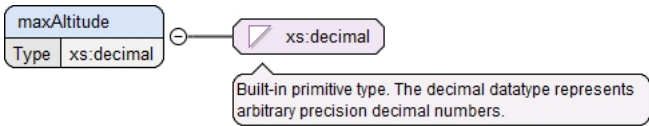
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="southBoundLatitude" type="xs:decimal" /&gt;</code>

### Element asmm: minAltitude

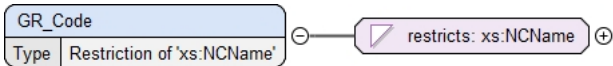
Namespace	http://www.eufar.net/ASMM
Diagram	

Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="minAltitude" type="xs:decimal" /&gt;</code>

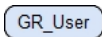
## Element asmm:maxAltitude

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:decimal
Properties	content: simple
Used by	Element asmm:GeographicBoundingBox
Source	<code>&lt;xs:element name="maxAltitude" type="xs:decimal" /&gt;</code>

## Element asmm:GR\_Code

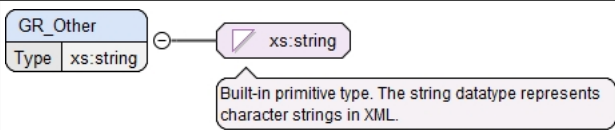
Namespace	http://www.eufar.net/ASMM																
Diagram																	
Type	restriction of xs:NCName																
Properties	content: simple																
Facets	<table border="1"> <tr><td>enumeration</td><td>Polar</td></tr> <tr><td>enumeration</td><td>Mid-latitudes</td></tr> <tr><td>enumeration</td><td>Sub-tropical</td></tr> <tr><td>enumeration</td><td>Tropical</td></tr> <tr><td>enumeration</td><td>Maritime</td></tr> <tr><td>enumeration</td><td>Continental</td></tr> <tr><td>enumeration</td><td>Oceanic islands</td></tr> <tr><td>enumeration</td><td>Other (Geographical region)</td></tr> </table>	enumeration	Polar	enumeration	Mid-latitudes	enumeration	Sub-tropical	enumeration	Tropical	enumeration	Maritime	enumeration	Continental	enumeration	Oceanic islands	enumeration	Other (Geographical region)
enumeration	Polar																
enumeration	Mid-latitudes																
enumeration	Sub-tropical																
enumeration	Tropical																
enumeration	Maritime																
enumeration	Continental																
enumeration	Oceanic islands																
enumeration	Other (Geographical region)																
Used by	Element asmm:GeographicalRegion																
Source	<pre> &lt;xs:element name="GR_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="Polar" /&gt;       &lt;xs:enumeration value="Mid-latitudes" /&gt;       &lt;xs:enumeration value="Sub-tropical" /&gt;       &lt;xs:enumeration value="Tropical" /&gt;       &lt;xs:enumeration value="Maritime" /&gt;       &lt;xs:enumeration value="Continental" /&gt;       &lt;xs:enumeration value="Oceanic islands" /&gt;       &lt;xs:enumeration value="Other (Geographical region)" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt; </pre>																

## Element asmm:GR\_User

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element asmm:GeographicalRegion

Source	<code>&lt;xs:element name="GR_User" /&gt;</code>
--------	--

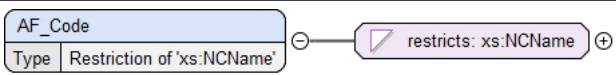
## Element `asmm:GR_Other`

Namespace	http://www.eufar.net/ASMM		
Diagram			
Type	xs:string		
Properties	content:	simple	
Used by	Element	asmm:GeographicalRegion	
Source	<xs:element name="GR_Other" type="xs:string" />		

## Element `asmm:AtmosFeatures`


Namespace	http://www.eufar.net/ASMM		
Diagram			
Properties	content:	complex	
Used by	Element	asmm:MissionMetadata	
Model	asmm:AF_Code+, asmm:AF_User+, asmm:AF_Other{0,1}		
Children	asmm:AF_Code, asmm:AF_Other, asmm:AF_User		
Instance	<pre>&lt;asmm:AtmosFeatures xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:AF_Code&gt;{1,unbounded}&lt;/asmm:AF_Code&gt;   &lt;asmm:AF_User&gt;{1,unbounded}&lt;/asmm:AF_User&gt;   &lt;asmm:AF_Other&gt;{0,1}&lt;/asmm:AF_Other&gt; &lt;/asmm:AtmosFeatures&gt;</pre>		
Source	<pre>&lt;xs:element name="AtmosFeatures"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:AF_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:AF_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:AF_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>		

## Element `asmm:AF_Code`

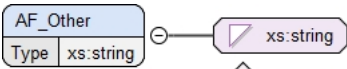
Namespace	http://www.eufar.net/ASMM		
Diagram			
Type	restriction of xs:NCName		
Properties	content:	simple	
Facets	enumeration	Stationary	
	enumeration	Stationary anticyclonic	
	enumeration	Stationary cyclonic	
	enumeration	Warm front	
	enumeration	Warm conveyor belt	

	enumeration	Cold front
	enumeration	Occluded front
	enumeration	Warm sector
	enumeration	Post-cold-frontal air-mass
	enumeration	Arctic cold-air outbreak
	enumeration	Orographic influence
	enumeration	Sea-breeze front
	enumeration	Stratospheric fold/intrusion
	enumeration	Extended convergence line
	enumeration	Easterly wave
	enumeration	Equatorial wave
	enumeration	Tropical cyclone
	enumeration	Mesoscale organized convection
Used by	Element	asmm:AtmosFeatures
Source	<pre>&lt;xs:element name="AF_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="Stationary"/&gt;       &lt;xs:enumeration value="Stationary anticyclonic"/&gt;       &lt;xs:enumeration value="Stationary cyclonic"/&gt;       &lt;xs:enumeration value="Warm front"/&gt;       &lt;xs:enumeration value="Warm conveyor belt"/&gt;       &lt;xs:enumeration value="Cold front"/&gt;       &lt;xs:enumeration value="Occluded front"/&gt;       &lt;xs:enumeration value="Warm sector"/&gt;       &lt;xs:enumeration value="Post-cold-frontal air-mass"/&gt;       &lt;xs:enumeration value="Arctic cold-air outbreak"/&gt;       &lt;xs:enumeration value="Orographic influence"/&gt;       &lt;xs:enumeration value="Sea-breeze front"/&gt;       &lt;xs:enumeration value="Stratospheric fold/intrusion"/&gt;       &lt;xs:enumeration value="Extended convergence line"/&gt;       &lt;xs:enumeration value="Easterly wave"/&gt;       &lt;xs:enumeration value="Equatorial wave"/&gt;       &lt;xs:enumeration value="Tropical cyclone"/&gt;       &lt;xs:enumeration value="Mesoscale organized convection"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>	

### Element asmm:AF\_User

Namespace	http://www.eufar.net/ASMM	
Diagram		
Used by	Element	asmm:AtmosFeatures
Source	<pre>&lt;xs:element name="AF_User" /&gt;</pre>	

### Element asmm:AF\_Other

Namespace	http://www.eufar.net/ASMM	
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Properties	content:	simple
Used by	Element	asmm:AtmosFeatures
Source	<pre>&lt;xs:element name="AF_Other" type="xs:string" /&gt;</pre>	

## Element `asmm:CloudTypes`

Namespace	http://www.eufar.net/ASMM
Diagram	<pre> graph LR     CloudTypes[CloudTypes] --&gt; CT_Code[asmm:CT_Code 1..∞]     CloudTypes --&gt; CT_User[asmm:CT_User 1..∞]     CloudTypes --&gt; CT_Other[asmm:CT_Other 0..1]     CT_Code --&gt; Restr1[Restriction of 'xs:NCName']     CT_Other --&gt; Restr2[Restriction of 'xs:string'] </pre>
Properties	content: complex
Used by	Element <code>asmm:MissionMetadata</code>
Model	<code>asmm:CT_Code+</code> , <code>asmm:CT_User+</code> , <code>asmm:CT_Other{0,1}</code>
Children	<code>asmm:CT_Code</code> , <code>asmm:CT_Other</code> , <code>asmm:CT_User</code>
Instance	<pre> &lt;asmm:CloudTypes xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:CT_Code&gt;{1,unbounded}&lt;/asmm:CT_Code&gt;   &lt;asmm:CT_User&gt;{1,unbounded}&lt;/asmm:CT_User&gt;   &lt;asmm:CT_Other&gt;{0,1}&lt;/asmm:CT_Other&gt; &lt;/asmm:CloudTypes&gt; </pre>
Source	<pre> &lt;xs:element name="CloudTypes"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:CT_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:CT_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:CT_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

## Element `asmm:CT_Code`

Namespace	http://www.eufar.net/ASMM																												
Diagram	<pre> graph LR     CT_Code[CT_Code] --&gt; Restr[restricts: xs:NCName] </pre>																												
Type	restriction of <code>xs:NCName</code>																												
Properties	content: simple																												
Facets	<table> <tr><td>enumeration</td><td>Water clouds</td></tr> <tr><td>enumeration</td><td>Mixed-phase clouds</td></tr> <tr><td>enumeration</td><td>Ice clouds</td></tr> <tr><td>enumeration</td><td>Cirrus</td></tr> <tr><td>enumeration</td><td>Contrails</td></tr> <tr><td>enumeration</td><td>Stratocumulus</td></tr> <tr><td>enumeration</td><td>Shallow cumulus</td></tr> <tr><td>enumeration</td><td>Cumulus congestus</td></tr> <tr><td>enumeration</td><td>Cumulonimbus/towering cumulus</td></tr> <tr><td>enumeration</td><td>Altostratus/altocumulus</td></tr> <tr><td>enumeration</td><td>Wave clouds</td></tr> <tr><td>enumeration</td><td>Deep frontal stratiform clouds</td></tr> <tr><td>enumeration</td><td>Cloud-free above aircraft</td></tr> <tr><td>enumeration</td><td>Cloud-free below aircraft</td></tr> </table>	enumeration	Water clouds	enumeration	Mixed-phase clouds	enumeration	Ice clouds	enumeration	Cirrus	enumeration	Contrails	enumeration	Stratocumulus	enumeration	Shallow cumulus	enumeration	Cumulus congestus	enumeration	Cumulonimbus/towering cumulus	enumeration	Altostratus/altocumulus	enumeration	Wave clouds	enumeration	Deep frontal stratiform clouds	enumeration	Cloud-free above aircraft	enumeration	Cloud-free below aircraft
enumeration	Water clouds																												
enumeration	Mixed-phase clouds																												
enumeration	Ice clouds																												
enumeration	Cirrus																												
enumeration	Contrails																												
enumeration	Stratocumulus																												
enumeration	Shallow cumulus																												
enumeration	Cumulus congestus																												
enumeration	Cumulonimbus/towering cumulus																												
enumeration	Altostratus/altocumulus																												
enumeration	Wave clouds																												
enumeration	Deep frontal stratiform clouds																												
enumeration	Cloud-free above aircraft																												
enumeration	Cloud-free below aircraft																												
Used by	Element <code>asmm:CloudTypes</code>																												
Source	<pre> &lt;xs:element name="CT_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt; </pre>																												




```

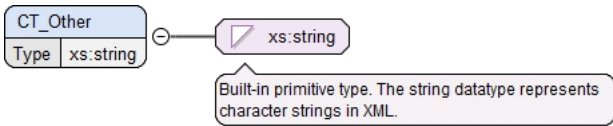
<xs:enumeration value="Water clouds"/>
<xs:enumeration value="Mixed-phase clouds"/>
<xs:enumeration value="Ice clouds"/>
<xs:enumeration value="Cirrus"/>
<xs:enumeration value="Contrails"/>
<xs:enumeration value="Stratocumulus"/>
<xs:enumeration value="Shallow cumulus"/>
<xs:enumeration value="Cumulus congestus"/>
<xs:enumeration value="Cumulonimbus/towering cumulus"/>
<xs:enumeration value="Altostratus/altocumulus"/>
<xs:enumeration value="Wave clouds"/>
<xs:enumeration value="Deep frontal stratiform clouds"/>
<xs:enumeration value="Cloud-free above aircraft"/>
<xs:enumeration value="Cloud-free below aircraft"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

```

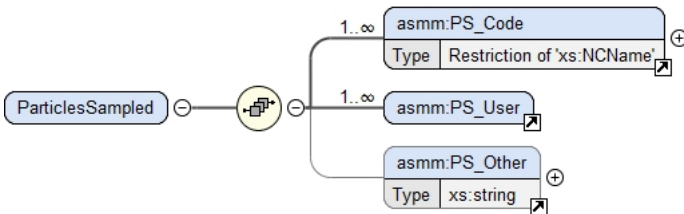
## Element asmm:CT\_User

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element asmm:CloudTypes
Source	<code>&lt;xs:element name="CT_User" /&gt;</code>

## Element asmm:CT\_Other


Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:CloudTypes
Source	<code>&lt;xs:element name="CT_Other" type="xs:string" /&gt;</code>

## Element asmm:ParticlesSampled


Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:PS_Code+, asmm:PS_User+, asmm:PS_Other{0,1}
Children	asmm:PS_Code, asmm:PS_Other, asmm:PS_User
Instance	<pre> &lt;asmm:ParticlesSampled xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:PS_Code&gt;{1,unbounded}&lt;/asmm:PS_Code&gt;   &lt;asmm:PS_User&gt;{1,unbounded}&lt;/asmm:PS_User&gt;   &lt;asmm:PS_Other&gt;{0,1}&lt;/asmm:PS_Other&gt; &lt;/asmm:ParticlesSampled&gt; </pre>
Source	<pre> &lt;xs:element name="ParticlesSampled"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:PS_Code" /&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:PS_User" /&gt; </pre>

```
<xs:element minOccurs="0" ref="asmm:PS_Other" />
</xs:sequence>
</xs:complexType>
</xs:element>
```

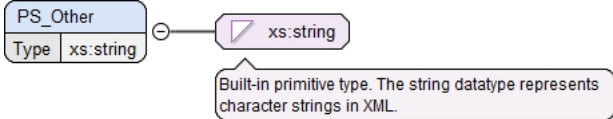
## Element **asmm:PS\_Code**

Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	Rain
	enumeration	Drizzle
	enumeration	Droplets (Liquid)
	enumeration	Pristine ice crystals
	enumeration	Snow/aggregates
	enumeration	Graupel/hail
	enumeration	Sea-salt aerosol
	enumeration	Continental aerosol
	enumeration	Urban plume
	enumeration	Biomass burning
	enumeration	Desert/mineral dust
	enumeration	Volcanic ash
Used by	Element	asmm:ParticlesSampled
Source	<pre>&lt;xs:element name="PS_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="Rain"/&gt;       &lt;xs:enumeration value="Drizzle"/&gt;       &lt;xs:enumeration value="Droplets (Liquid)"/&gt;       &lt;xs:enumeration value="Pristine ice crystals"/&gt;       &lt;xs:enumeration value="Snow/aggregates"/&gt;       &lt;xs:enumeration value="Graupel/hail"/&gt;       &lt;xs:enumeration value="Sea-salt aerosol"/&gt;       &lt;xs:enumeration value="Continental aerosol"/&gt;       &lt;xs:enumeration value="Urban plume"/&gt;       &lt;xs:enumeration value="Biomass burning"/&gt;       &lt;xs:enumeration value="Desert/mineral dust"/&gt;       &lt;xs:enumeration value="Volcanic ash"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>	

## Element **asmm:PS\_User**

Namespace	http://www.eufar.net/ASMM	
Diagram		
Used by	Element	asmm:ParticlesSampled
Source	<pre>&lt;xs:element name="PS_User" /&gt;</pre>	

## Element **asmm:PS\_Other**

Namespace	http://www.eufar.net/ASMM	
Diagram		

Type	xs:string
Properties	content: simple
Used by	Element asmm:ParticlesSampled
Source	<code>&lt;xs:element name="PS_Other" type="xs:string" /&gt;</code>

## Element asmm:SurfacesOverflown

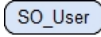
Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:SO_Code+, asmm:SO_User+, asmm:SO_Other{0,1}
Children	asmm:SO_Code, asmm:SO_Other, asmm:SO_User
Instance	<pre>&lt;asmm:SurfacesOverflown xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:SO_Code&gt;{1,unbounded}&lt;/asmm:SO_Code&gt;   &lt;asmm:SO_User&gt;{1,unbounded}&lt;/asmm:SO_User&gt;   &lt;asmm:SO_Other&gt;{0,1}&lt;/asmm:SO_Other&gt; &lt;/asmm:SurfacesOverflown&gt;</pre>
Source	<pre>&lt;xs:element name="SurfacesOverflown"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SO_Code" /&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SO_User" /&gt;       &lt;xs:element minOccurs="0" ref="asmm:SO_Other" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element asmm:SO\_Code

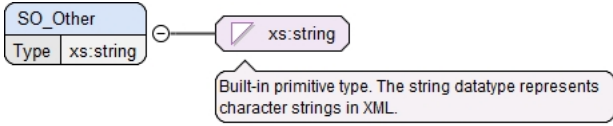
Namespace	http://www.eufar.net/ASMM																								
Diagram																									
Type	restriction of xs:NCName																								
Properties	content: simple																								
Facets	<table> <tr><td>enumeration</td><td>Ocean</td></tr> <tr><td>enumeration</td><td>Semi-arid</td></tr> <tr><td>enumeration</td><td>Sea-ice</td></tr> <tr><td>enumeration</td><td>Desert</td></tr> <tr><td>enumeration</td><td>Snow</td></tr> <tr><td>enumeration</td><td>Urban</td></tr> <tr><td>enumeration</td><td>Lake-ice</td></tr> <tr><td>enumeration</td><td>Mountainous</td></tr> <tr><td>enumeration</td><td>Vegetation</td></tr> <tr><td>enumeration</td><td>Hilly</td></tr> <tr><td>enumeration</td><td>Forest</td></tr> <tr><td>enumeration</td><td>Flat</td></tr> </table>	enumeration	Ocean	enumeration	Semi-arid	enumeration	Sea-ice	enumeration	Desert	enumeration	Snow	enumeration	Urban	enumeration	Lake-ice	enumeration	Mountainous	enumeration	Vegetation	enumeration	Hilly	enumeration	Forest	enumeration	Flat
enumeration	Ocean																								
enumeration	Semi-arid																								
enumeration	Sea-ice																								
enumeration	Desert																								
enumeration	Snow																								
enumeration	Urban																								
enumeration	Lake-ice																								
enumeration	Mountainous																								
enumeration	Vegetation																								
enumeration	Hilly																								
enumeration	Forest																								
enumeration	Flat																								
Used by	Element asmm:SurfacesOverflown																								
Source	<code>&lt;xs:element name="SO_Code"&gt;</code>																								

```
<xs:simpleType>
  <xs:restriction base="xs:NCName">
    <xs:enumeration value="Ocean"/>
    <xs:enumeration value="Semi-arid"/>
    <xs:enumeration value="Sea-ice"/>
    <xs:enumeration value="Desert"/>
    <xs:enumeration value="Snow"/>
    <xs:enumeration value="Urban"/>
    <xs:enumeration value="Lake-ice"/>
    <xs:enumeration value="Mountainous"/>
    <xs:enumeration value="Vegetation"/>
    <xs:enumeration value="Hilly"/>
    <xs:enumeration value="Forest"/>
    <xs:enumeration value="Flat"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
```

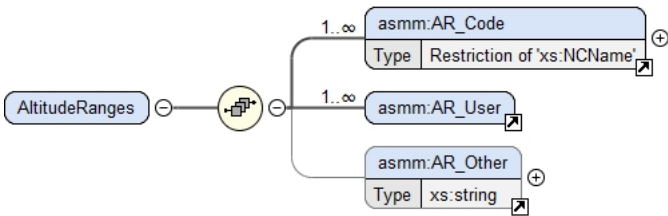
## Element **asmm:SO\_User**

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element <b>asmm:SurfacesOverflown</b>
Source	<code>&lt;xs:element name="SO_User" /&gt;</code>

## Element **asmm:SO\_Other**

Namespace	http://www.eufar.net/ASMM
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Properties	content: simple
Used by	Element <b>asmm:SurfacesOverflown</b>
Source	<code>&lt;xs:element name="SO_Other" type="xs:string" /&gt;</code>

## Element **asmm:AltitudeRanges**

Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element <b>asmm:MissionMetadata</b>
Model	asmm:AR_Code+, asmm:AR_User+, asmm:AR_Other{0,1}
Children	asmm:AR_Code, asmm:AR_Other, asmm:AR_User
Instance	<pre>&lt;asmm:AltitudeRanges xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:AR_Code&gt;{1,unbounded}&lt;/asmm:AR_Code&gt;   &lt;asmm:AR_User&gt;{1,unbounded}&lt;/asmm:AR_User&gt;   &lt;asmm:AR_Other&gt;{0,1}&lt;/asmm:AR_Other&gt; &lt;/asmm:AltitudeRanges&gt;</pre>
Source	<pre>&lt;xs:element name="AltitudeRanges"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:AR_Code"/&gt;</pre>

```
<xs:element maxOccurs="unbounded" ref="asmm:AR_User"/>
<xs:element minOccurs="0" ref="asmm:AR_Other"/>
</xs:sequence>
</xs:complexType>
</xs:element>
```

## Element **asmm:AR\_Code**

Namespace	http://www.eufar.net/ASMM																
Diagram																	
Type	restriction of xs:NCName																
Properties	content: simple																
Facets	<table> <tr><td>enumeration</td><td>Boundary-layer</td></tr> <tr><td>enumeration</td><td>Near-surface (Boundary-layer)</td></tr> <tr><td>enumeration</td><td>Sub-cloud (Boundary-layer)</td></tr> <tr><td>enumeration</td><td>In-cloud (Boundary-layer)</td></tr> <tr><td>enumeration</td><td>Lower troposphere</td></tr> <tr><td>enumeration</td><td>Mid troposphere</td></tr> <tr><td>enumeration</td><td>Upper troposphere</td></tr> <tr><td>enumeration</td><td>Lower stratosphere</td></tr> </table>	enumeration	Boundary-layer	enumeration	Near-surface (Boundary-layer)	enumeration	Sub-cloud (Boundary-layer)	enumeration	In-cloud (Boundary-layer)	enumeration	Lower troposphere	enumeration	Mid troposphere	enumeration	Upper troposphere	enumeration	Lower stratosphere
enumeration	Boundary-layer																
enumeration	Near-surface (Boundary-layer)																
enumeration	Sub-cloud (Boundary-layer)																
enumeration	In-cloud (Boundary-layer)																
enumeration	Lower troposphere																
enumeration	Mid troposphere																
enumeration	Upper troposphere																
enumeration	Lower stratosphere																
Used by	Element <b>asmm:AltitudeRanges</b>																
Source	<pre>&lt;xs:element name="AR_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="Boundary-layer"/&gt;       &lt;xs:enumeration value="Near-surface (Boundary-layer)"/&gt;       &lt;xs:enumeration value="Sub-cloud (Boundary-layer)"/&gt;       &lt;xs:enumeration value="In-cloud (Boundary-layer)"/&gt;       &lt;xs:enumeration value="Lower troposphere"/&gt;       &lt;xs:enumeration value="Mid troposphere"/&gt;       &lt;xs:enumeration value="Upper troposphere"/&gt;       &lt;xs:enumeration value="Lower stratosphere"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>																

## Element **asmm:AR\_User**

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element <b>asmm:AltitudeRanges</b>
Source	<pre>&lt;xs:element name="AR_User"/&gt;</pre>

## Element **asmm:AR\_Other**

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element <b>asmm:AltitudeRanges</b>
Source	<pre>&lt;xs:element name="AR_Other" type="xs:string"/&gt;</pre>

## Element `asmm:FlightTypes`


Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element <code>asmm:MissionMetadata</code>
Model	<code>asmm:FT_Code+</code> , <code>asmm:FT_User+</code> , <code>asmm:FT_Other{0,1}</code>
Children	<code>asmm:FT_Code</code> , <code>asmm:FT_Other</code> , <code>asmm:FT_User</code>
Instance	<pre>&lt;asmm:FlightTypes xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:FT_Code&gt;{1,unbounded}&lt;/asmm:FT_Code&gt;   &lt;asmm:FT_User&gt;{1,unbounded}&lt;/asmm:FT_User&gt;   &lt;asmm:FT_Other&gt;{0,1}&lt;/asmm:FT_Other&gt; &lt;/asmm:FlightTypes&gt;</pre>
Source	<pre>&lt;xs:element name="FlightTypes"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:FT_Code" /&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:FT_User" /&gt;       &lt;xs:element minOccurs="0" ref="asmm:FT_Other" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element `asmm:FT_Code`

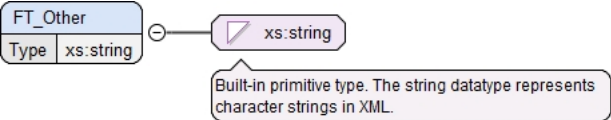
Namespace	http://www.eufar.net/ASMM																		
Diagram																			
Type	restriction of <code>xs:NCName</code>																		
Properties	content: simple																		
Facets	<table> <tr><td>enumeration</td><td>Straight/level runs</td></tr> <tr><td>enumeration</td><td>Stacked (Straight/level runs)</td></tr> <tr><td>enumeration</td><td>Separated (Straight/level runs)</td></tr> <tr><td>enumeration</td><td>Racetracks</td></tr> <tr><td>enumeration</td><td>Orbits</td></tr> <tr><td>enumeration</td><td>Lagrangian descents</td></tr> <tr><td>enumeration</td><td>Deep profile ascents/descents</td></tr> <tr><td>enumeration</td><td>Dropsonde deployed</td></tr> <tr><td>enumeration</td><td>Self-calibration</td></tr> </table>	enumeration	Straight/level runs	enumeration	Stacked (Straight/level runs)	enumeration	Separated (Straight/level runs)	enumeration	Racetracks	enumeration	Orbits	enumeration	Lagrangian descents	enumeration	Deep profile ascents/descents	enumeration	Dropsonde deployed	enumeration	Self-calibration
enumeration	Straight/level runs																		
enumeration	Stacked (Straight/level runs)																		
enumeration	Separated (Straight/level runs)																		
enumeration	Racetracks																		
enumeration	Orbits																		
enumeration	Lagrangian descents																		
enumeration	Deep profile ascents/descents																		
enumeration	Dropsonde deployed																		
enumeration	Self-calibration																		
Used by	Element <code>asmm:FlightTypes</code>																		
Source	<pre>&lt;xs:element name="FT_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="Straight/level runs" /&gt;       &lt;xs:enumeration value="Stacked (Straight/level runs)" /&gt;       &lt;xs:enumeration value="Separated (Straight/level runs)" /&gt;       &lt;xs:enumeration value="Racetracks" /&gt;       &lt;xs:enumeration value="Orbits" /&gt;       &lt;xs:enumeration value="Lagrangian descents" /&gt;       &lt;xs:enumeration value="Deep profile ascents/descents" /&gt;       &lt;xs:enumeration value="Dropsonde deployed" /&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>																		

```
<xs:enumeration value="Self-calibration"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
```

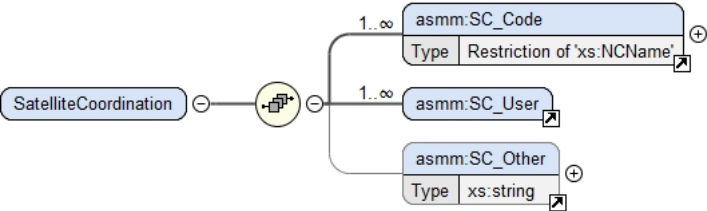
## Element **asmm:FT\_User**

Namespace	http://www.eufar.net/ASMM
Diagram	
Used by	Element <b>asmm:FlightTypes</b>
Source	<code>&lt;xs:element name="FT_User"/&gt;</code>


## Element **asmm:FT\_Other**

Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element <b>asmm:FlightTypes</b>
Source	<code>&lt;xs:element name="FT_Other" type="xs:string"/&gt;</code>

## Element **asmm:SatelliteCoordination**


Namespace	http://www.eufar.net/ASMM
Diagram	
Properties	content: complex
Used by	Element <b>asmm:MissionMetadata</b>
Model	asmm:SC_Code+, asmm:SC_User+, asmm:SC_Other{0,1}
Children	asmm:SC_Code, asmm:SC_Other, asmm:SC_User
Instance	<pre>&lt;asmm:SatelliteCoordination xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:SC_Code&gt;{1,unbounded}&lt;/asmm:SC_Code&gt;   &lt;asmm:SC_User&gt;{1,unbounded}&lt;/asmm:SC_User&gt;   &lt;asmm:SC_Other&gt;{0,1}&lt;/asmm:SC_Other&gt; &lt;/asmm:SatelliteCoordination&gt;</pre>
Source	<pre>&lt;xs:element name="SatelliteCoordination"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SC_Code"/&gt;       &lt;xs:element maxOccurs="unbounded" ref="asmm:SC_User"/&gt;       &lt;xs:element minOccurs="0" ref="asmm:SC_Other"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element **asmm:SC\_Code**

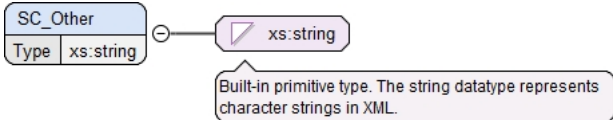
Namespace	http://www.eufar.net/ASMM
Diagram	

Type	restriction of xs:NCName	
Properties	content:	simple
Facets	enumeration	METOP (Polar)
	enumeration	NPOESS (Polar)
	enumeration	A-train (Polar)
	enumeration	Other (Polar)
	enumeration	MSG (Geosynch)
	enumeration	Other (Geosynch)
	enumeration	MODIS
	enumeration	Cloudsat
	enumeration	CALIOP
	enumeration	IASI
	enumeration	AIRS
	enumeration	Cris
	enumeration	AMSU/MHS
Used by	Element	asmm:SatelliteCoordination
Source	<pre>&lt;xs:element name="SC_Code"&gt;   &lt;xs:simpleType&gt;     &lt;xs:restriction base="xs:NCName"&gt;       &lt;xs:enumeration value="METOP (Polar)"/&gt;       &lt;xs:enumeration value="NPOESS (Polar)"/&gt;       &lt;xs:enumeration value="A-train (Polar)"/&gt;       &lt;xs:enumeration value="Other (Polar)"/&gt;       &lt;xs:enumeration value="MSG (Geosynch)"/&gt;       &lt;xs:enumeration value="Other (Geosynch)"/&gt;       &lt;xs:enumeration value="MODIS"/&gt;       &lt;xs:enumeration value="Cloudsat"/&gt;       &lt;xs:enumeration value="CALIOP"/&gt;       &lt;xs:enumeration value="IASI"/&gt;       &lt;xs:enumeration value="AIRS"/&gt;       &lt;xs:enumeration value="Cris"/&gt;       &lt;xs:enumeration value="AMSU/MHS"/&gt;     &lt;/xs:restriction&gt;   &lt;/xs:simpleType&gt; &lt;/xs:element&gt;</pre>	

### Element asmm:SC\_User

Namespace	http://www.eufar.net/ASMM	
Diagram		
Used by	Element	asmm:SatelliteCoordination
Source	<pre>&lt;xs:element name="SC_User" /&gt;</pre>	

### Element asmm:SC\_Other

Namespace	http://www.eufar.net/ASMM	
Diagram		
Type	xs:string	
Properties	content:	simple
Used by	Element	asmm:SatelliteCoordination
Source	<pre>&lt;xs:element name="SC_Other" type="xs:string" /&gt;</pre>	

### Element asmm:SurfaceObs

Namespace	http://www.eufar.net/ASMM	
-----------	---------------------------	--



Diagram	
Properties	content: complex
Used by	Element asmm:MissionMetadata
Model	asmm:GroundSite , asmm:ResearchVessel , asmm:ArmSite , asmm:ArmMobile
Children	asmm:ArmMobile, asmm:ArmSite, asmm:GroundSite, asmm:ResearchVessel
Instance	<pre>&lt;asmm:SurfaceObs xmlns:asmm="http://www.eufar.net/ASMM"&gt;   &lt;asmm:GroundSite&gt;{1,1}&lt;/asmm:GroundSite&gt;   &lt;asmm:ResearchVessel&gt;{1,1}&lt;/asmm:ResearchVessel&gt;   &lt;asmm:ArmSite&gt;{1,1}&lt;/asmm:ArmSite&gt;   &lt;asmm:ArmMobile&gt;{1,1}&lt;/asmm:ArmMobile&gt; &lt;/asmm:SurfaceObs&gt;</pre>
Source	<pre>&lt;xs:element name="SurfaceObs"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="asmm:GroundSite"/&gt;       &lt;xs:element ref="asmm:ResearchVessel"/&gt;       &lt;xs:element ref="asmm:ArmSite"/&gt;       &lt;xs:element ref="asmm:ArmMobile"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element asmm:GroundSite

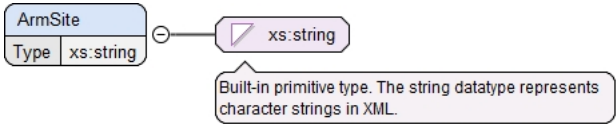
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	<pre>&lt;xs:element name="GroundSite" type="xs:string"/&gt;</pre>

## Element asmm:ResearchVessel

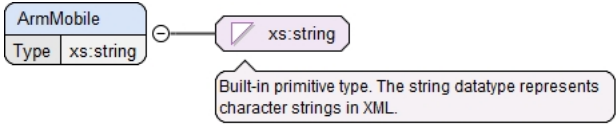
Namespace	http://www.eufar.net/ASMM
Diagram	
Type	xs:string
Properties	content: simple
Used by	Element asmm:SurfaceObs
Source	<pre>&lt;xs:element name="ResearchVessel" type="xs:string"/&gt;</pre>

## Element asmm:ArmSite

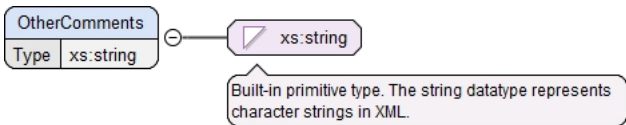
Namespace	http://www.eufar.net/ASMM
-----------	---------------------------

Diagram	 <p>The diagram shows a box for the <b>ArmSite</b> element with a 'Type' tab set to <b>xs:string</b>. A line connects this box to a purple box labeled <b>xs:string</b>. A callout bubble points to the <b>xs:string</b> box with the text: "Built-in primitive type. The string datatype represents character strings in XML."</p>	
Type	xs:string	
Properties	content:	simple
Used by	Element	asmm:SurfaceObs
Source	<code>&lt;xs:element name="ArmSite" type="xs:string"/&gt;</code>	

## Element asmm:ArmMobile

Namespace	http://www.eufar.net/ASMM	
Diagram	 <p>The diagram shows a box for the <b>ArmMobile</b> element with a 'Type' tab set to <b>xs:string</b>. A line connects this box to a purple box labeled <b>xs:string</b>. A callout bubble points to the <b>xs:string</b> box with the text: "Built-in primitive type. The string datatype represents character strings in XML."</p>	
Type	xs:string	
Properties	content:	simple
Used by	Element	asmm:SurfaceObs
Source	<code>&lt;xs:element name="ArmMobile" type="xs:string"/&gt;</code>	

## Element asmm:OtherComments

Namespace	http://www.eufar.net/ASMM	
Diagram	 <p>The diagram shows a box for the <b>OtherComments</b> element with a 'Type' tab set to <b>xs:string</b>. A line connects this box to a purple box labeled <b>xs:string</b>. A callout bubble points to the <b>xs:string</b> box with the text: "Built-in primitive type. The string datatype represents character strings in XML."</p>	
Type	xs:string	
Properties	content:	simple
Used by	Element	asmm:MissionMetadata
Source	<code>&lt;xs:element name="OtherComments" type="xs:string"/&gt;</code>	