# Schema documentation for data.xsd

september 11, 2012

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# **Resource hierarchy:**

Legend: Import,	🗖 Include,	🖻 Redefine,	🧼 Cycle detected	l
data.xsd				
Seme yed				

# Namespace: "http://www.ime.iiasa.ac.at/model/instance"

# Schema(s)

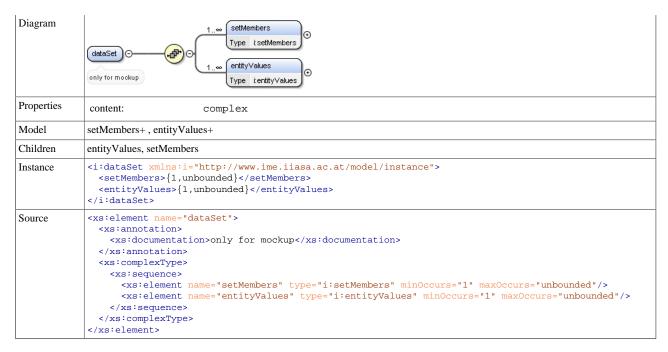
#### Main schema data.xsd

Namespace	http://www.ime.iiasa.ac.at/model/instance	
Properties	attribute form default: unqualified	
	element form default: unqualified	

# Element(s)

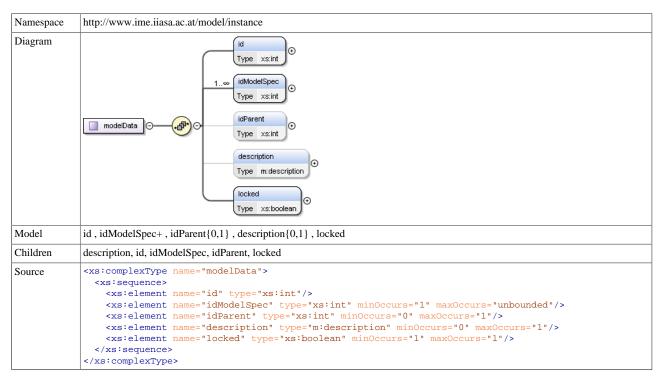
#### Element i:dataSet

Namespace	http://www.ime.iiasa.ac.at/model/instance
Annotations	only for mockup



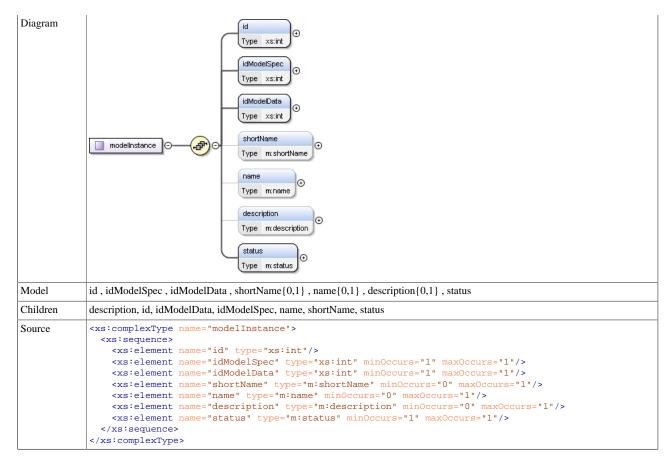
## Complex Type(s)

#### Complex Type i:modelData

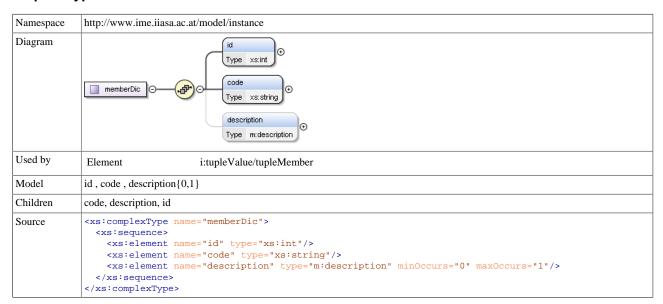


#### Complex Type i:modelInstance

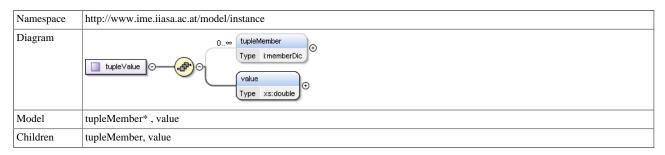
Namespace	http://www.ime.iiasa.ac.at/model/instance



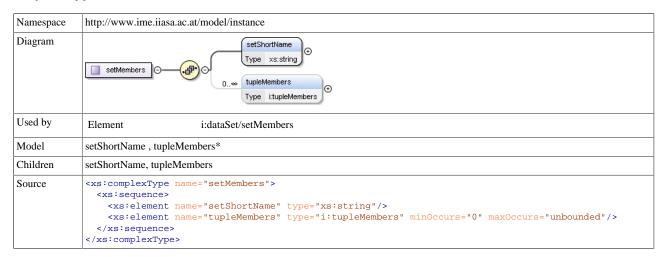
#### Complex Type i:memberDic



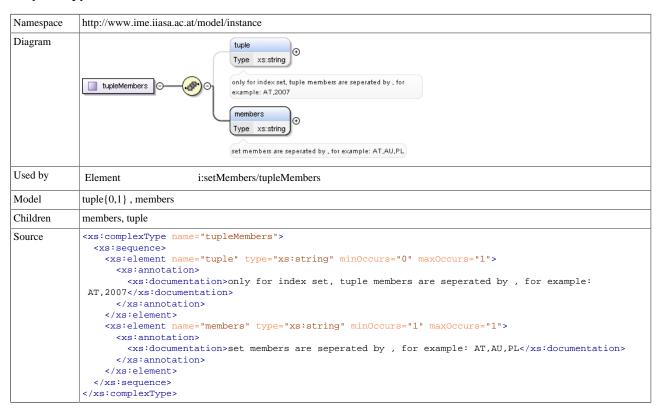
#### Complex Type i:tupleValue



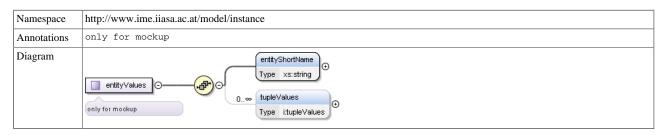
# Complex Type i:setMembers



# Complex Type i:tupleMembers

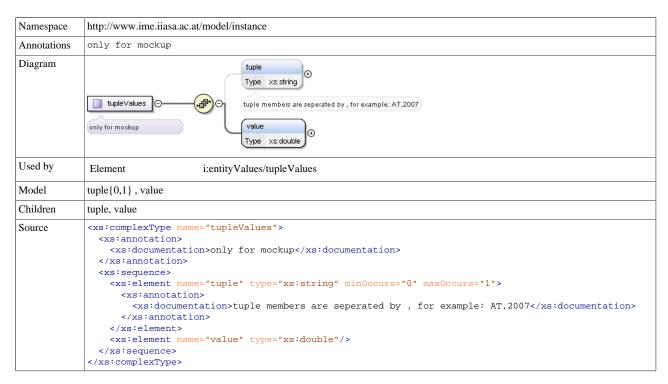


#### Complex Type i:entityValues



```
Used by
             Element
                                   i:dataSet/entityValues
             entityShortName, tupleValues*
Model
Children
             entityShortName, tupleValues
Source
             <xs:complexType name="entityValues">
               <xs:annotation>
                 <xs:documentation>only for mockup</xs:documentation>
               </xs:annotation>
               <xs:sequence>
                 <xs:element name="entityShortName" type="xs:string"/>
                 <xs:element name="tupleValues" type="i:tupleValues" minOccurs="0" maxOccurs="unbounded"/>
               </xs:sequence>
             </xs:complexType>
```

#### Complex Type i:tupleValues



# Namespace: "http://www.ime.iiasa.ac.at/model/spec"

## Schema(s)

#### Imported schema sms.xsd

Namespace	http://www.ime.iiasa.ac.at/model/spec	
Properties	attribute form default: unqualified	
	element form default: unqualified	

# Simple Type(s)

## Simple Type m:description

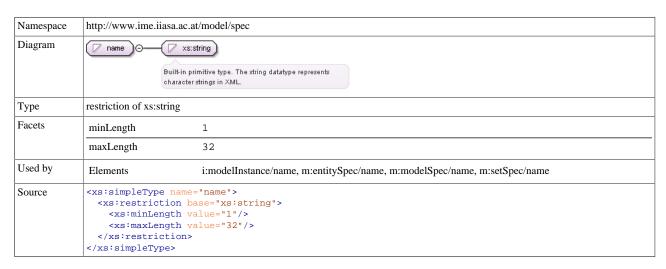


Facets	minLength	1
	maxLength	512
Used by	Elements	i:memberDic/description, i:modelData/description, i:modelInstance/description, m:entitySpec/description, m:modelSpec/description, m:setSpec/description
Source	<pre><xs:restricti <xs:minleng<="" pre=""></xs:restricti></pre>	

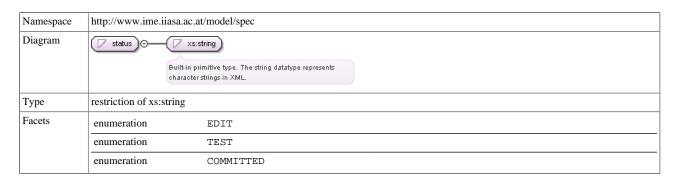
## Simple Type m: shortName

Namespace	http://www.ime.iiasa.ac.at/model/spec
Diagram	ShortName
Туре	restriction of xs:string
Facets	minLength 1
	maxLength 8
Used by	Elements i:modelInstance/shortName, m:entitySpec/shortName, m:modelSpec/shortName, m:setSpec/shortName
Source	<pre><xs:simpletype name="shortName"></xs:simpletype></pre>

## Simple Type m:name



# Simple Type m: status



```
Used by Elements i:modelInstance/status, m:modelSpec/status

Source 

<p
```

# Simple Type m:setSpecType

Namespace	http://www.ime.iiasa	a.ac.at/model/spec
Diagram	setSpecType )⊙—	Built-in primitive type. The string datatype represents oharaoter strings in XML.
Туре	restriction of xs:strir	ng
Facets	enumeration	COLLECTION
	enumeration	SEQUENCE
Used by	Element	m:setSpec/type
Source	<pre><xs:restrictio <xs:enumerat<="" pre=""></xs:restrictio></pre>	

# Simple Type m:entityRole

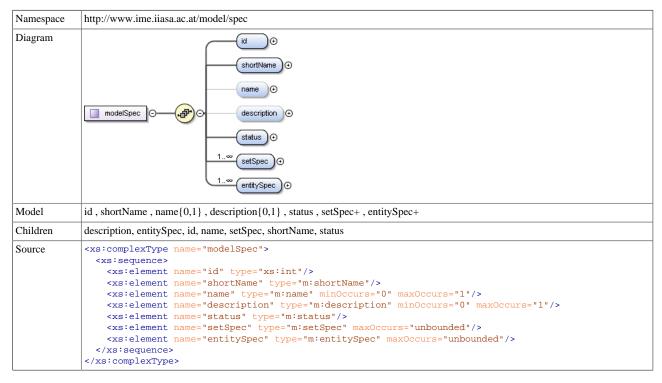
Namespace	http://www.ime.iiasa.ac.a	t/model/spec	
Diagram	entityRole 🖂	xs:string	
		n primitive type. The string datatype represents oter strings in XML.	
Type	restriction of xs:string		
Facets	enumeration	CONSTANT	
	enumeration	PARAMETER	
	enumeration	DECISION_VAR	
	enumeration	EXTERNAL_DECISION_VAR	
	enumeration	OUTCOME_VAR	
	enumeration	AUXILIARY_VAR	
	enumeration	ASSIGNMENT	
	enumeration	CONSTRAINT	
	enumeration	A_VARIABLE	<pre>any type of variable: DECISION_VAR, EXTERNAL_DECISION_VAR,OUTCOME_VAR,or AUXILIARY_VAR</pre>
	enumeration	A_FORMULA	any type of formula: ASSIGNMENT or CONSTRAINT
Used by	Element	m:entitySpec/role	
Source	<pre><xs:enumeration <xs:annotation<="" <xs:enumeration="" pre=""></xs:enumeration></pre>	ase="xs:string"> value="CONSTANT"/> value="PARAMETER"/> value="DECISION_VAR"/> value="EXTERNAL_DECISION_VAR value="OUTCOME_VAR"/> value="AUXILIARY_VAR"/> value="AUXILIARY_VAR"/> value="CONSTRAINT"/> value="A_VARIABLE"> ation>any type of variable:	"/> DECISION_VAR, EXTERNAL_DECISION_VAR,OUTCOME_VAR,or

## Simple Type m:mathType

Namespace	http://www.ime.iiasa	n.ac.at/model/spec
Diagram		Euilt-in primitive type. The string datatype represents character strings in XML.
Type	restriction of xs:strin	g
Facets	enumeration	INTEGER
	enumeration	BINARY
	enumeration	REAL
Used by	Element	m:entitySpec/mathType
Source	<pre><xs:enumerat <xs:enumerat<="" pre=""></xs:enumerat></pre>	on base="xs:string"> cion value="INTEGER"/> cion value="BINARY"/> cion value="REAL"/> cion value="REAL"/>

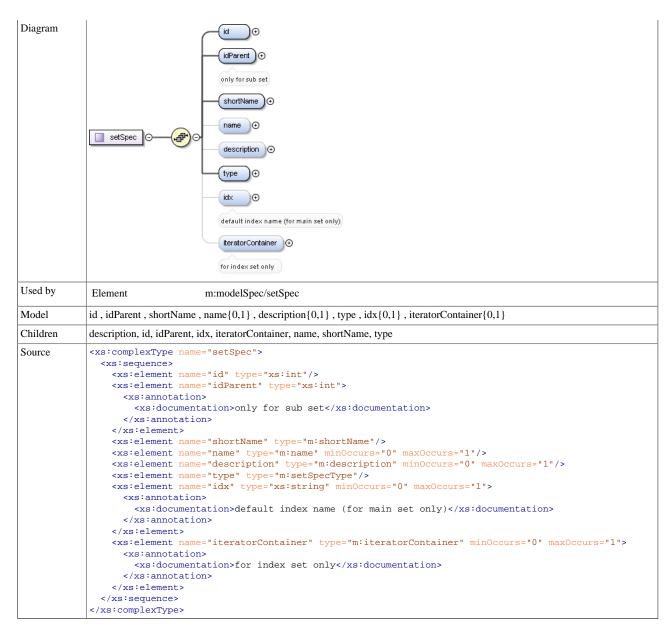
# Complex Type(s)

#### Complex Type m:modelSpec

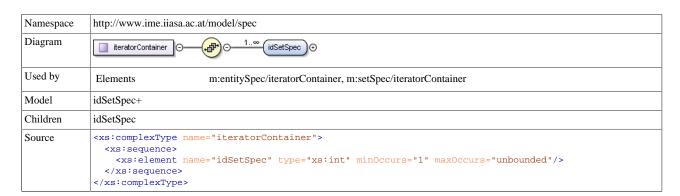


#### Complex Type m: setSpec

Namespace	http://www.ime.iiasa.ac.at/model/spec
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#### Complex Type m:iteratorContainer



#### Complex Type m:entitySpec

Namespace
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