

## Kepler - Bug #5218

### Create sensorML string

10/20/2010 02:18 PM - manish manish

<b>Status:</b>	Resolved	<b>Start date:</b>	10/20/2010
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	0%
<b>Category:</b>	sensor-view	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	sensor-view-0.9.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	5218		
<b>Description</b>			
Given the metadata string, parse this info to create the sensorML format for the same.			

### History

#### #1 - 02/11/2011 05:01 PM - Jing Tao

We can create valid sensorML document and metacat can accept it.  
The sensorML looks like:

```
<sml:SensorML
xmlns:sml="http://www.opengis.net/sensorML/1.0.1"
xmlns:swe="http://www.opengis.net/swe/1.0.1"
xmlns:gml="http://www.opengis.net/gml"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xlink="http://www.w3.org/1999/xlink"
xsi:schemaLocation="http://www.opengis.net/sensorML/1.0.1 http://schemas.opengis.net/sensorML/1.0.1/sensorML.xsd" version="1.0.1">
<sml:member>
<sml:System>
<sml:identification>
<sml:IdentifierList>
<sml:identifier name="siteName">
<sml:Term definition="urn:ogc:def:identifier:OGC:uniqueID">
<sml:value>gpp</sml:value>
</sml:Term>
</sml:identifier>
</sml:IdentifierList>
</sml:identification>
<sml:components>
<sml:ComponentList>
<sml:component name="sensor1">
<sml:Component>
<sml:characteristics>
<swe:DataRecord gml:id="sensorCharateristics">
<swe:field name="coefficients">
<swe:Text>
<swe:value></swe:value>
</swe:Text>
</swe:field>
<swe:field name="conversion-type">
<swe:Text>
<swe:value>Linear</swe:value>
</swe:Text>
</swe:field>
<swe:field name="isOn">
<swe:Boolean>
<swe:value>true</swe:value>
</swe:Boolean>
</swe:field>
<swe:field name="latitude">
<swe:Text>
<swe:value>32.884243999999995</swe:value>
</swe:Text>
</swe:field>
<swe:field name="longitude">
<swe:Text>
<swe:value>-117.239457</swe:value>
</swe:Text>
```

```
</swe:field>
<swe:field name="measurement-unit">
<swe:Text>
<swe:value>degrees Celsius</swe:value>
</swe:Text>
</swe:field>
<swe:field name="sampleMethod">
<swe:Text>
<swe:value>average</swe:value>
</swe:Text>
</swe:field>
<swe:field name="samples-per-measurement">
<swe:Count>
<swe:value>10</swe:value>
</swe:Count>
</swe:field>
<swe:field name="samplingPeriod">
<swe:Quantity>
<swe:value>2</swe:value>
</swe:Quantity>
</swe:field>
<swe:field name="sensor-make">
<swe:Text>
<swe:value>Vaisala</swe:value>
</swe:Text>
</swe:field>
<swe:field name="sensor-measurement">
<swe:Text>
<swe:value>Temperature</swe:value>
</swe:Text>
</swe:field>
<swe:field name="sensor-model">
<swe:Text>
<swe:value>HMP45A</swe:value>
</swe:Text>
</swe:field>
<swe:field name="serial-number">
<swe:Text>
<swe:value>B3310001</swe:value>
</swe:Text>
</swe:field>
<swe:field name="dataLogger">
<swe:Text>
<swe:value>CR800</swe:value>
</swe:Text>
</swe:field>
</swe:DataRecord>
</sml:characteristics>
</sml:Component>
</sml:component>
</sml:ComponentList>
</sml:components>
</sml:System>
</sml:member>
</sml:SensorML>
```

**#2 - 02/14/2011 01:45 PM - Derik Barseghian**

changing bugs from REAP to Kepler product

**#3 - 03/27/2013 02:29 PM - Redmine Admin**

Original Bugzilla ID was 5218