# 1 Instance and Label Generators via patterns

Instance and label generators defined in the generator-policy.xml file using patterns:

# 1.1 SimpleLabel

#### **Definition in the Generator Policy file:**

#### Usage in the X3ML file:

## 1.2 LocalTermURI

This generator has three arguments, a prefix, a hierarchy and a term. The prefix is a namespace that must be declared in the X3ML definition. The hierarchy and the term can be either constants or variables.

#### **Definition in the Generator Policy file:**

#### Usage in the X3ML file:

# 1.3 LocalObjectURI

# **Definition in the Generator Policy file:**

### Usage in the X3ML file:

Similarly other generators can be defined in the generator policy file.

# 2 Custom Instance Generators (via code)

# **2.1 UUID**

This function creates a UUID. It does not need to be defined in the generator policy file. It is built in the X3ML engine.

## Usage in the X3ML file:

<instance\_generator name="UUID"/>

# 2.2 Literal

This function creates a Literal. It does not need to be defined in the generator policy file. It is built in the X3ML engine.

#### Usage in the X3ML file:

## 2.3 URIOrUUID

This function checks the argument "text" and if it is a valid URI it copies it to the rdf output otherwise it creates a UUID.

# **Definition in the Generator Policy file:**

#### Usage in the X3ML file:

#### 2.4 Dates

Currently the two functions GermanDateTime and BMdates are the same.

#### **Definition in the Generator Policy file:**

# Usage in the X3ML file:

# 3 Custom Label Generators (via code)

## 3.1 Literal

This function creates an **rdfs: label** if used as a label generator. It does not need to be defined in the generator policy file. It is built in the X3ML engine.

#### Usage in the X3ML file:

# 3.2 prefLabel

This function creates a **skos:prefLabel**. It does not need to be defined in the generator policy file. It is built in the X3ML engine.

#### Usage in the X3ML file:

### 3.3 Constant

This function creates an **rdfs: label** as Literal but it is always a constant. It does not need to be defined in the generator policy file. It is built in the X3ML engine.

#### Usage in the X3ML file:

</ label \_generator>