Species Profile Model (SPM)

Requirement: allow a user to publish facts/statements about a particular taxon in a way that facilitates discovery, access and re-use.

Solution: create a simple model based around a subject (taxon) having InfoItem properties whose content can be free text or terms from a controlled vocabulary.

More Info: See the TDWG SPM wiki site - http://wiki.tdwg.org/SPM/

Use existing LSID vocabularies where available, eg, TaxonName, TaxonConcept

All statements can be associated with a literature reference through the LSID Core Vocabulary

State the taxon to which the information applies

Any number of InfoItems can be included.

The InfoItem categories are defined in the SPM InfoItems Ontology

An InfoItem can contain free text

or

terms from a controlled vocabulary

```xml
<?xml version="1.0" encoding="UTF-8"?>
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:tcom="http://rs.tdwg.org/ontology/voc
http://rs.tdwg.org/ontology/voc/SPMInfoItems#" xmlns:ost="http://rs.tdwg.org/ontology/voc/OccurrenceStatusTer
http://rs.tdwg.org/ontology/voc/TaxonName#" xmlns:tr="http://rs.tdwg.org/ontology/voc/TaxonRank#" xmlns:tc="

    <tn:TaxonName rdf:ID="name">

    <tc:TaxonConcept rdf:ID="taxon">

    <tp:PublicationCitation rdf:ID="aa111">

    <tp:PublicationCitation rdf:ID="aa555">
        <tp:authorship>Daymond, J.R.</tp:authorship>
        <tp:datePublished>1963</tp:datePublished>
        <tp:title>Family Salmonidae</tp:title>
        <tp:parentPublication>Sears Found. Mar. Res. Mem.</tp:parentPublication>
        <tp:volume>1</tp:volume>
        <tp:number>3</tp:number>
        <tp:pages>457-546</tp:pages>
    </tp:PublicationCitation>

<spm:SpeciesProfileModel rdf:ID="spm">
    <spm:aboutTaxon rdf:resource="#taxon"/>

    <spm:hasInformation>
        <spmi:Reproduction>
            <spm:hasContent>This species reproduces in fresh water and exhibits territorial behaviour. The young mig
their birth to mate and repeat the cycle.</spm:hasContent>
        </spmi:Reproduction>
    </spm:hasInformation>

    <spm:hasInformation>
        <spmi:Distribution>
            <spm:hasContent> Atlantic Ocean temperate and arctic zones in northern hemisphere. In eastern Atlantic
            <tcom:publishedInCitation rdf:resource="aa555"/>
        </spmi:Distribution>
    </spm:hasInformation>

    <spm:hasInformation>
        <spmi:Distribution>
            <spm:hasValue rdf:resource="http://rs.tdwg.org/ontology/voc/OccurrenceStatusTerm#Endemic"/>
            <spm:contextValue rdf:resource="http://rs.tdwg.org/ontology/voc/GeographicRegion#12"/>
        </spmi:Distribution>
    </spm:hasInformation>

    <spm:hasInformation>
        <spmi:Size>
    </spm:hasInformation>

    <spm:hasInformation>
        <spmi:LifeExpectancy>
    </spm:hasInformation>

    </spm:SpeciesProfileModel>
</rdf:RDF>
```

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