

- Link Taxonomy Terms and Portal Pages

Form of Taxonomy Term

`http://localhost:8080/marmotta/ldp/Tags-3`

`<> dct:title 'Tags';`

`rdfs:type skos:Collection;`

`rdfs:comment 'Use tags ... ';`

`skos:member <#301> .`

`<#301> rdfs:seeAlso <http://dbpedia.org/resource/3D_Printing> .`

`<#301> owl:sameAs <http://192.168.2.11/0329/taxonomy/term/301> .`

`<#301> dct:title '3D_Printing' .`



Scripts

See: /Documents/ARC2-Experiments-
scrape_and_write-4marmotta

Form of Portal Page

<http://localhost:8080/marmotta/ldp/isaportal3/>

dct:created "2016-04-08T22:04:55.000-04:00"^^xsd:dateTime ;

dct:modified "2016-04-08T22:07:45.000-04:00"^^xsd:dateTime

ldp:contains <<http://localhost:8080/marmotta/ldp/isaportal3/microgravity-3d-printing>>



<<http://localhost:8080/marmotta/ldp/isaportal3/microgravity-3d-printing>>

schema:isRelatedTo <<http://localhost:8080/marmotta/ldp/Tags-3#302>>

schema:isRelatedTo <<http://192.168.2.11/0329/taxonomy/term/302>>

Scripts (~~/Documents/arc2tomarmotta\$ php selectsubjectpredicateobject.php)

```
[http://192.168.2.11/staging/portal/ai-human-level-perform] => Array
(
    [http://www.w3.org/1999/02/22-rdf-syntax-ns#type] => http://xmlns.com/foaf/0.1/Document
    [http://purl.org/dc/terms/date] => 2015-07-15T19:55:45-04:00
    [http://purl.org/dc/terms/created] => 2015-07-15T19:55:45-04:00
    [http://purl.org/dc/terms/modified] => 2016-04-17T20:12:58-04:00
    [http://rdfs.org/sioc/ns#num_replies] => 0
    [http://schema.org/name] => A.I. at Human Level Perform.
    [http://schema.org/url] => http://192.168.2.11/staging/portal/ai-human-level-perform
    [http://schema.org/category] => http://192.168.2.11/staging/taxonomy_term/151
    [http://schema.org/startDate] =>
    [http://schema.org/isRelatedTo] => http://192.168.2.11/staging/taxonomy_term/158
    [http://schema.org/additionalType] => Critical Path Support Elements
)

[http://192.168.2.11/staging/portal/active-radiation-shieldingw-em-fields] => Array
(
    [http://www.w3.org/1999/02/22-rdf-syntax-ns#type] => http://xmlns.com/foaf/0.1/Document
    [http://purl.org/dc/terms/date] => 2015-07-15T19:55:45-04:00
    [http://purl.org/dc/terms/created] => 2015-07-15T19:55:45-04:00
    [http://purl.org/dc/terms/modified] => 2016-04-17T20:15:32-04:00
    [http://rdfs.org/sioc/ns#num_replies] => 0
    [http://schema.org/name] => Active Radiation Shielding/w EM Fields
    [http://schema.org/url] => http://192.168.2.11/staging/portal/active-radiation-shieldingw-em-fields
    [http://schema.org/category] => http://192.168.2.11/staging/taxonomy_term/152
    [http://schema.org/startDate] =>
    [http://schema.org/isRelatedTo] => http://192.168.2.11/staging/taxonomy_term/163
    [http://schema.org/additionalType] => In-Space Reusable Transport
)

)
```

Strip out taxonomy terms.

```
foreach ($objarray as $i => $value) {  
    $objarray_clean =  
preg_replace('/taxonomy_term/i','taxonomy/term'  
,$objarray[$i]);  
    echo $objarray_clean."\r\n";  
}
```


Replace the taxonomy terms with numbers

```
<?php
```

```
$marmottatags = 'http://localhost:8080/marmotta/ldp/Tags-4';
```

```
$string = '<http://192.168.2.11/0329/taxonomy/term/301>';
```

```
preg_match_all('/\/[0-9]*>/', $string, $matches);
```

```
$strip1 = preg_replace('/\//', '', $matches[0]);
```

```
$strip2 = preg_replace('/>/', '', $strip1[0]);
```

```
echo '<'.$marmottatags.'#'.$strip2.'>';
```

Replace taxonomy terms with numbers (revised)

```
<?php
```

```
$arraystring =
```

```
array('<http://192.168.2.11/0329/taxonomy/term/301>','<http://192.168.2.11/0329/taxonomy/term/305>',
```

```
'<http://192.168.2.11/0329/portal/mars-launcher>');
```

```
$marmottatags = 'http://localhost:8080/marmotta/ldp/Tags-4';
```

```
$string = '<http://192.168.2.11/0329/taxonomy/term/301>';
```

```
foreach($arraystring as $i => $value) {
```

```
    $ismatched = preg_match_all('/\V[0-9]*>/', $arraystring[$i], $matches);
```

```
    if($ismatched == 1) {
```

```
        $strip1 = preg_replace('/\V/', "", $matches[0]);
```

```
        $strip2 = preg_replace('/>/', "", $strip1[0]);
```

```
        echo '<'.$marmottatags.'#'.$strip2.'>';
```

```
    }
```

```
}
```

```
SELECT * {  
    SERVICE  
<http://192.168.2.11/staging/isp_data_endpoint> {  
    SELECT DISTINCT ?p ?o  
{ <http://192.168.2.11/staging/portal/active-  
radiation-shieldingw-em-fields> ?p ?o . }  
    }  
}
```

- PREFIX schema: <http://schema.org/>
-
- SELECT * {
- SERVICE <http://192.168.2.11/staging/isp_data_endpoint> {
- SELECT * { ?s schema:isRelatedTo ?o . }
- }
- }
-
-
- \$subarraymatches = preg_grep('/http.*portal/i',\$subarray);
-
- \$marmottatags = 'http://localhost:8080/marmotta/ldp/Tags-4';
- \$marmottaispterm = 'http://localhost:8080/marmotta/ldp/ISPterm';
-
-
- http://192.168.2.11/staging/portal/active-radiation-shieldingw-em-fields]