# Statustabel Fresnel Forms

De tabel, welke in dit document is opgenomen, geeft de status weer van de implementatie van Fresnel Forms. Deze tabel is opgesteld door prof. Lloyd Rutledge.

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| **Ontology** | | | | | **Fresnel** | | **MediaWiki and extensions** | | | | | **Description** | |
| **Foundation** | URIs | Whole | | |  | | [[EquivalentURI::...]] SMW | | | | | Ontology URI's used in RDF export | |
| Namespace | | Identifier |  | | Identifier/prefix specs OWF | | | [[Imported from::...]] SMW | |
| Prefix | Wiki page name prefixes MW | | Secondary prefix for class and property page names | |
|  | Each gets own template and form for domainless properties OWF | | | | | Form and template for general properties from ...  Wiki page name namespace has levels | Namespace (2ary level) |
| owl:Thing | | | :allProperties | | Top level form and template |
| :hideProperties | |
| owl:Ontology | | |  | | Ontology (2ary level) |
| rdfs:isDefinedBy | | | Source URI (2ary level) |
| owl:imports | | | New sublevel |
| Loaded as part of ontology to process OWF | | | | |  | |
| rdfs:seeAlso | | | Link from page for property or category OWF | | | | |
| Fragment identifier | | | :label | | Pagename MW , Label on form & template OWF | | | | | Labels for property and class on templates and forms | |
| Text | rdfs:label | |  |
| skos:prefLabel | | |
| rdfs:comment | | |  | | Mouseover on label OWF, content on page OWF | | | | | Shows description | |
| xml:lang | | | Selection of text display from user for label, comment, etc. | | | | | Adapts language to user | |
| Delimiters | | *Default Frensel* | Additional content | | delimiter= SF | | | | |  | |
| *Cascading Fresnel* | Put text: before, after, between, starting, ending, if empty OWF | | | | |
|  | CSS |  | | | Psuedo-classes | | CSS MW | Link style MW | | | |  | |
|  | :containerStyle | | For template and form tabelSF | Whole table | | |
|  | :resourceStyle | | Row | Multiple | |
|  | :propertyStyle | | Single | |
|  | :labelStyle | | Cell | Left | |
|  | :valueStyle | | Right , class= SF for forms | |
| **rdfs:** | rdf: | :type | | |  | | [[Category:]] MW | | | | | Wiki page is member of given category | |
| Containers | | | :member in :showProperties | | #arraymap/list SF | | | | | User can enter sorted list as comma-delimited | |
| :Property | | |  | | Page | Property: SMW | | | | Recognized in wiki data system as | Property |
| :Class | | |  | :Lens | | Category:... MW , *also:* [[Category:...]] in template MW | | | | Category |
| Template:... MW  (if domain) | | | | Data display table/template |
| Form:... SF  (if domain) | | | | Form for data entry |
| :classLensDomain | | [[Has default form::...]] on category SF | | | | | Clicking to new pages leads to given form for data entry | |
|  | | Check box to assign classes if not domain OWF | | | | |  | |
| owl:oneOf |  | | [[Category:...]] on individuals MW | | | | |  | |
| :sub- | :subClassOf | | |  | | [[Category:...]] on category page MW | | | | | Wiki and queries recognize as subcategory | |
| Nested form access OWF | | | | |  | |
| :subPropertyOf | | | [[Subproperty of::...]] on property page SMW | | | | | Queries using property also recognize superproperties | |
| Grouped together on forms and templates by default OWF | | | | |  | |
| :domain |  |  |  | :showProperties | |  | Asssign property in template OWF | | | | Properties in template and forms are | Placed |
| *Fresnel not automatically generated from ontology* | | | :hideProperties | | Un- | Removed |
| :showProperties rdf:List | | Sort properties in template OWF | | | | | Sorted |
| :mergeProperties :alternateProperties | | Template row queries multiple properties for one display SF | | | | | Values from muliiple properties display as if from one | |
| :range value is | Class | | |  | | autocomplete on category=... SF | | | | | Pull down list shows current pages in target class(es) | |
| [[Has default form::...]] on property SF | | | | | Clicking to new pages leads to given form for data entry | |
| [[Has type::...]] SMW | Page | | | | Entered as wiki page name | |
| Default w/o :range | | owl:ObjectProperty | Links to wiki page | |
| owl:DataProperty | String |  | | | Entered and displayed as unlinked string | |
| owl:AnnotationProperty |
| Literal | | | owf:datatype |  |
| xsd: | textual1 | |  |
| :language, date parts 2 | |  | [[Allows value::...]] SMW | | | User selects from fixed values | |
| numeric3 | |  | Number | | | | Entered and displayed as number | |
| :gYear | |  |
| :date(Time) | |  | Date | | | | Form for entering date components and displayed as date | |
| :time | |  |
| :Boolean | | :Boolean | Boolean | | | | Select from two values | |
| :URI | | :value | :uri | URL | shows as | Linked URL text MW | |  | |
| *Fresnel not automatically generated from ontology* | | | :image | Image MW | | Image itself appears directly | |
| :externalLink | String | Unlinked URL text SMW | |  | |
| owl:oneOf | | | owf:oneOf | | [[Allows value::...]] SMW | | | | User selects from fixed values | |
|  |  |  | owf:datatype | | Geographic coordinate, Code, Temperature | | | | Proper entry and display for given data type | |
| **owl:** | RDFS-Plus | Chains | :inverseOf | |  | | Inverse property query SMW | | | | | Template also shows incoming links | In separate inverse property |
| :SymmetricProperty | | With same property |
| :TransitiveProperty | | Chained query or assignment SMW | | | | | Template shows all pages in chain with property | |
| Equiv | :sameAs | | All data and content put on unified page on wiki OWF | | | | |  | |
| :EquivalentClass | |
| :EquivalentProperty | |
| Key | :FunctionalProperty | | Data entry prevents duplication of keys OWF | | | | |
| :InverseFunctionalProperty | |
| :hasKey | |
| Values | :hasValue | | | #forminput: SF | |  | | | Form for new member of class has prefilled values |  |
| current user as property value | | | Helps user register self |
| restricted SF | | | | | User cannot change value | |
| :DataRange w/ :oneOf | | | [[Allows value::...]] SMW | | | | | User selects from fixed values | |
| :allValuesFrom | | |
| autocomplete on category=… SF | | | | | Pull down list shows current pages in target class(es) | |
| :someValuesFrom | | |  | |
| ***#arraymap/list SF*** | | ***repeated fields SF*** | | ***mandatory SF*** |  | |
| by default | | by default *not* | | **ü** | User must enter something | |
| Cardinality | min | = 1 | |  | |
|  |  | | û | | | | User must enter exactly one | |
| max |  | |  | User cannot enter more than one | |
| > 1 | |  | | **ü** | | by default *not* | | | User can enter more than one | |
| min | **ü** | | | User must enter at least given number | |
| Default | | |  | | û | | | User can enter any number without restrictions | |
| Set | In range | Single class | | autocomplete on category=... SF | | | | | Pulldown shows pages from | Class |
| Union of classes | | Any of the classes |
| Multiple classes | |  | | autocomplete SF | | | | | Class intersection |
| Disjointness | | |  | | Unique name assumption for wiki page namesSMW | | | | |  | |
| ***Key*** | Status: | | implemented | | planned | |  | in PHP | in Fresnel Forms | | Planned | Priority | milestone Forms |
| Tools: MW MediaWiki, SMW Semantic MediaWiki, SF Semantic Forms, OWF OWF-only | | | | | | | | | | | | |
| 1 :string, :normalizeString, :XMLLiteral, :Name, :token, :NMTOKEN, :NCName, 2 :gYearMonth, :gMonthDay, :gDay, :gMonth | | | | | | | | | | | | |
| 3 :double, :float, :int, :integer, :long, :short, :negativeInteger, :positiveInteger, :nonPositiveInteger, :nonNegativeInteger, :unsignedLong, :unsignedInt, :unsignedShort | | | | | | | | | | | | |