**Queries:**

1. **Find all domains and type tags which are common with domain “settlers”**

SPARQL Query:

PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>

PREFIX plan-ontology: <http://www.semanticweb.org/muppa/ontologies/2022/4/plan-ontology#>

PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>

SELECT DISTINCT ?label ?tag

WHERE {

    ?domain a plan-ontology:domain;

            rdfs:label ?label.

    ?domain plan-ontology:hasType ?type.

    ?type plan-ontology:hasTag ?tag

    FILTER (?tag = ?tag1)

    {SELECT ?tag1 WHERE{

            ?d a plan-ontology:domain;

               rdfs:label "settlers".

            ?d plan-ontology:hasType ?type1.

            ?type1 plan-ontology:hasTag ?tag1}}

    FILTER NOT EXISTS {?domain rdfs:label "settlers"}

}

Result:

|  |  |
| --- | --- |
| **Domain Label** | **Type Tag** |
| caldera-split | plan-ontology:object |
| caldera | plan-ontology:object |
| agricola | plan-ontology:object |
| organic-synthesis-split | plan-ontology:object |
| organic-synthesis | plan-ontology:object |
| nurikabe | plan-ontology:object |
| spider | plan-ontology:object |
| petri-net-alignment | plan-ontology:store |