# **Informatieproducten kenniskluis**

## **Schrijven**

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| **Naam** | Update concepten-container validatie afwezigheid skos:inScheme triple |
| **Input** | - |
| **Output** | TRUE: De upload mag geen concepten met skos:inScheme bevatten.  of  FALSE: Upload successful |
| **Query** | prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  ASK {  GRAPH container:ttlupdate {  ?s rdf:type skos:Concept.  ?s skos:inScheme ?dataset.  }  } |

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| **Naam** | Update concepten-container validatie aanwezigheid rdfs:label / geen leeg rdfs:label |
| **Input** | - |
| **Output** | TRUE: De upload mag geen concepten of collecties zonder of met leeg rdfs:label bevatten.  of  FALSE: Upload successful |
| **Query** | prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  ASK {  GRAPH container:ttlupdate {  {  ?s rdf:type skos:Concept.  FILTER NOT EXISTS {  ?s rdfs:label ?label.  }  }  UNION  {  ?s rdf:type skos:Collection.  FILTER NOT EXISTS {  ?s rdfs:label ?label.  }  }  UNION  {  ?s rdf:type skos:Concept.  ?s rdfs:label ""^^xsd:string.  }  UNION  {  ?s rdf:type skos:Collection.  ?s rdfs:label ""^^xsd:string.  }  }  } |

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| **Naam** | Update concepten-container validatie aanwezigheid skos:prefLabel / geen leeg skos:prefLabel |
| **Input** | - |
| **Output** | TRUE: De upload mag geen concepten of collecties zonder of met leeg skos:prefLabel bevatten.  of  FALSE: Upload successful |
| **Query** | prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  ASK {  GRAPH container:ttlupdate {  {  ?s rdf:type skos:Concept.  FILTER NOT EXISTS {  ?s skos:prefLabel ?label.  }  }  UNION  {  ?s rdf:type skos:Collection.  FILTER NOT EXISTS {  ?s skos:prefLabel ?label.  }  }  UNION  {  ?s rdf:type skos:Concept.  ?s skos:prefLabel ""^^xsd:string.  }  UNION  {  ?s rdf:type skos:Collection.  ?s skos:prefLabel ""^^xsd:string.  }  }  } |

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| **Naam** | Postquery inladen gegevens concepten-update |
| **Input** | * URI dataset |
| **Output** | * Verwijder voor de zekerheid de @CURRENTMOMENT@ GRAPH * Vul mastergraph aan met nieuwe versie * Voeg metadata toe aan nieuwe conceptengraph, activiteitengraph, usergraph en actorengraph * Toevoegen van skos:inScheme triple (<@DATASET@> * Hash genereren, zodat we kunnen vergelijken of er iets gewijzigd is aan een concept * Update de aanpasdatum van de Catalogus, CatalogRecord en Dataset * Voeg in de nieuwe versiongraph de concepten toe die een andere hash dan de hash in de mastergraph hebben (d.w.z., die gewijzigd zijn) * Voeg voor de gewijzigde concepten in de oude versiongraph wat metadata toe (prov:invalidatedAtTime) * Verwijder de concepten uit de mastergraph die voorkomen in de nieuwe versiongraph (d.w.z. gewijzigd zijn) * Voeg een verwijzing toe in de mastergraph naar de nieuwe versiongraph voor de concepten die in de nieuwe versiongraph staan * Verwijder de (tijdelijke) graphs die gebruikt zijn door de uploadcontainers |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix dctype: <http://purl.org/dc/dcmitype/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix foaf: <http://xmlns.com/foaf/0.1/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex#>  prefix owl: <http://www.w3.org/2002/07/owl#>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix versiongraph: <http://localhost:8080/catalogus/tax/concepten/doc/@CURRENTMOMENT@>  prefix usergraph: <http://localhost:8080/catalogus/tax/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix activity: <http://localhost:8080/catalogus/tax/id/concept/@CURRENTMOMENT@>    DELETE {  GRAPH versiongraph:version {  ?s?p?o  }  }  WHERE {  GRAPH versiongraph:version {  ?s?p?o  }  }  INSERT {  GRAPH container:generiek {  ?s rdfs:label ?spreflabel.  }  }  WHERE {  GRAPH container:generiek {  ?s skos:prefLabel ?spreflabel.  FILTER NOT EXISTS {  ?s rdfs:label ?slabel.  }  }  }  INSERT {  GRAPH doc:mastergraph {  doc:mastergraph rdf:type void:Dataset.  doc:mastergraph rdfs:label "Concepten".  versiongraph:version dct:isVersionOf doc:mastergraph.  }  }  INSERT {  GRAPH versiongraph:version {  dataset:concepten rdfs:isDefinedBy versiongraph:version.  versiongraph:version rdfs:label "Concepten - tax-programma (publicatiedatum @CURRENTMOMENT@)".  versiongraph:version prov:wasGeneratedBy activity:Upload.  versiongraph:version rdf:type prov:Entity.  versiongraph:version prov:generatedAtTime "@CURRENTMOMENT@".  activity:Upload rdf:type prov:Activity.  activity:Upload rdfs:label "Upload dataset @CURRENTMOMENT@".  activity:Upload prov:startedAtTime "@CURRENTMOMENT@".  activity:Upload prov:wasAssociatedWith concept:tomcatUser.  }  }  INSERT {  GRAPH usergraph:agents {  concept:tomcatUser rdf:type prov:Agent.  concept:tomcatUser rdfs:label "Tomcat User".  concept:tomcatUser foaf:givenName "Tomcat User".  concept:tomcatUser foaf:mbox "tomcat@user.org".  concept:tomcatUser prov:actedOnBehalfOf "Apache".  }  }  INSERT {  GRAPH container:generiek {  ?s skos:inScheme <@DATASET@>.  }  }  WHERE {  GRAPH container:generiek {  ?s rdf:type ?type.  FILTER (  ?type = skos:Concept  || ?type = skos:Collection  )  }  }  INSERT {  GRAPH container:generiek {  ?s bp4mc2:signature ?sig.  }  }  WHERE {  SELECT DISTINCT ?s bif:md5(sql:group\_concat(concat(?p,'=',?o),';')) as ?sig  WHERE {  GRAPH container:generiek {  SELECT ?s ?p ?o  WHERE {  ?s ?p ?o.  ?s rdf:type ?type.  FILTER (  ?type = skos:Concept  || ?type = skos:Collection  || ?type = skoslex:Act  || ?type = skoslex:Norm  || ?type = skoslex:Object  || ?type = skoslex:Actor  || ?type = owl:Class  || ?type = dctype:Text  )  }  ORDER BY ?s ?p ?o  }  }  }    INSERT {  GRAPH versiongraph:version {  ?s ?p ?o  }  }  WHERE {  GRAPH container:generiek {  ?s rdf:type ?type.  ?s ?p ?o.  ?s bp4mc2:signature ?sig  FILTER (  ?type = skos:Concept  || ?type = skos:Collection  || ?type = skoslex:Act  || ?type = skoslex:Norm  || ?type = skoslex:Object  || ?type = skoslex:Actor  || ?type = owl:Class  || ?type = dctype:Text  )  }  FILTER NOT EXISTS {  GRAPH doc:mastergraph {  ?s bp4mc2:signature ?sig  }  }  FILTER NOT EXISTS {  ?s skos:inScheme ?o.  }  }  INSERT {  GRAPH ?g {  ?s prov:invalidatedAtTime "@CURRENTMOMENT@"  }  }  WHERE {  GRAPH doc:mastergraph {  ?s rdfs:isDefinedBy ?g  }  GRAPH versiongraph:version {  ?s rdf:type ?type.  FILTER (  ?type = skos:Concept  || ?type = skos:Collection  || ?type = skoslex:Act  || ?type = skoslex:Norm  || ?type = skoslex:Object  || ?type = skoslex:Actor  || ?type = owl:Class  || ?type = dctype:Text  )  }  FILTER NOT EXISTS {  GRAPH ?g {  ?s prov:invalidatedAtTime ?time.  }  }  }  DELETE {  GRAPH doc:mastergraph {  ?s rdfs:isDefinedBy ?versiongraph.  ?s bp4mc2:signature ?sig.  }  }  WHERE {  GRAPH doc:mastergraph {  ?s rdfs:isDefinedBy ?versiongraph.  ?s bp4mc2:signature ?sig.  }  GRAPH versiongraph:version {  ?s rdf:type ?type.  FILTER (  ?type = skos:Concept  || ?type = skos:Collection  || ?type = skoslex:Act  || ?type = skoslex:Norm  || ?type = skoslex:Object  || ?type = skoslex:Actor  || ?type = owl:Class  || ?type = dctype:Text  )  }  }  INSERT {  GRAPH doc:mastergraph {  ?s rdf:type ?type.  ?s rdfs:isDefinedBy versiongraph:version.  ?s bp4mc2:signature ?sig .  ?s skos:inScheme <@DATASET@>.  }  }  WHERE {  GRAPH versiongraph:version {  ?s rdf:type ?type.  ?s bp4mc2:signature ?sig.  FILTER (  ?type = skos:Concept  || ?type = skos:Collection  || ?type = skoslex:Act  || ?type = skoslex:Norm  || ?type = skoslex:Object  || ?type = skoslex:Actor  || ?type = owl:Class  || ?type = dctype:Text  )  }  }  CLEAR GRAPH container:generiek  CLEAR GRAPH container:excelupdate  CLEAR GRAPH container:ttlupdate |

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| **Naam** | Validatie dataset-upload container op aanwezigheid dct:title |
| **Input** | - |
| **Output** | TRUE: upload successful  of  FALSE: De upload mag geen datasets zonder dct:title bevatten. |
| **Query** | prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix dct: <http://purl.org/dc/terms/>  ASK {  GRAPH container:datasetupload {  ?s rdf:type ?type.  FILTER NOT EXISTS {  ?s dct:title ?title.  }  }  } |

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| **Naam** | Validatie dataset-upload container op aanwezigheid skos:ConceptScheme |
| **Input** | - |
| **Output** | TRUE: Upload successful  of  FALSE: De upload mag geen datasets zonder skos:ConceptScheme bevatten. |
| **Query** | prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix dcat: <http://www.w3.org/ns/dcat#>  ASK {  GRAPH container:datasetupload {  ?s rdf:type ?type.  FILTER NOT EXISTS {  ?s rdf:type skos:ConceptScheme.  }  }  } |

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| **Naam** | Validatie dataset-upload container op aanwezigheid dcat:Dataset |
| **Input** | - |
| **Output** | TRUE: Upload succesful  of  FALSE: De upload mag geen datasets zonder dcat:Dataset bevatten. |
| **Query** | prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix dcat: <http://www.w3.org/ns/dcat#>  ASK {  GRAPH container:datasetupload {  ?s rdf:type ?type.  FILTER NOT EXISTS {  ?s rdf:type dcat:Dataset.  }  }  } |

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| **Naam** | Postquery dataset-metadata upload |
| **Input** | - |
| **Output** | * Verwijder voor de zekerheid de @CURRENTMOMENT@ GRAPH * Vul mastergraph aan met nieuwe versie * Voeg metadata toe aan nieuwe conceptengraph, activiteitengraph, usergraph en actorengraph * Hash genereren, zodat we kunnen vergelijken of er iets gewijzigd is aan een dataset * Update de aanpasdatum van de Catalogus, CatalogRecord en Dataset * Voeg in de nieuwe GRAPH de datasets toe die een andere hash dan de hash in de mastergraph hebben (d.w.z., die gewijzigd zijn) * Voeg voor de gewijzigde datasets in de oude GRAPH wat metadata toe (prov:invalidatedAtTime) * Verwijder de datasets uit de mastergraph die voorkomen in de nieuwe GRAPH (d.w.z. gewijzigd zijn) * Voeg een verwijzing toe in de mastergraph naar de nieuwe GRAPH voor de datasets die in de nieuwe GRAPH staan * Verwijder de (tijdelijke) graphs die gebruikt zijn door de uploadcontainers |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix skosxl: <http://www.w3.org/2008/05/skos-xl#>  prefix dct: <http://purl.org/dc/terms/>  prefix dctype: <http://purl.org/dc/dcmitype/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix foaf: <http://xmlns.com/foaf/0.1/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix owl: <http://www.w3.org/2002/07/owl#>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix loc: <http://localhost:8080/catalogus/tax/id/>  prefix versiongraph: <http://localhost:8080/catalogus/tax/datasets/doc/@CURRENTMOMENT@>  prefix usergraph: <http://localhost:8080/catalogus/tax/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix catalogus: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix activity: <http://localhost:8080/catalogus/tax/id/dataset/@CURRENTMOMENT@>  prefix xsd: <http://www.w3.org/2001/XMLSchema#>  prefix iso: <http://id.loc.gov/vocabulary/iso639-1/>  prefix dcat: <http://www.w3.org/ns/dcat#>    DELETE {  GRAPH versiongraph:version {  ?s?p?o  }  }  WHERE {  GRAPH versiongraph:version {  ?s?p?o  }  }  INSERT {  GRAPH container:datasetupload {  ?s rdfs:label ?slabel.  }  }  WHERE {  GRAPH container:datasetupload {  ?s dct:title ?slabel.  FILTER NOT EXISTS {  ?s rdfs:label ?slabel.  }  }  }  INSERT {  GRAPH doc:mastergraph {  doc:mastergraph rdf:type void:Dataset.  doc:mastergraph rdfs:label "Concepten".  versiongraph:version dct:isVersionOf doc:mastergraph.  }  }  INSERT {  GRAPH versiongraph:version {  dataset:concepten rdfs:isDefinedBy versiongraph:version.  versiongraph:version rdfs:label "Datasets en distributies - Tax-programma (publicatiedatum @CURRENTMOMENT@)".  versiongraph:version prov:wasGeneratedBy activity:Upload.  versiongraph:version rdf:type prov:Entity.  versiongraph:version prov:generatedAtTime "@CURRENTMOMENT@".  activity:Upload rdf:type prov:Activity.  activity:Upload rdfs:label "Upload catalogus @CURRENTMOMENT@".  activity:Upload prov:startedAtTime "@CURRENTMOMENT@".  activity:Upload prov:wasAssociatedWith catalogus:tomcatUser.  }  }  INSERT {  GRAPH usergraph:agents {  catalogus:tomcatUser rdf:type prov:Agent.  catalogus:tomcatUser rdfs:label "Tomcat User".  catalogus:tomcatUser foaf:givenName "Tomcat User".  catalogus:tomcatUser foaf:mbox "tomcat@user.org".  catalogus:tomcatUser prov:actedOnBehalfOf "Apache".  }  }  INSERT {  GRAPH container:datasetupload {  ?s bp4mc2:signature ?sig.  }  }  WHERE {  SELECT DISTINCT ?s bif:md5(sql:group\_concat(concat(?p,'=',?o),';')) as ?sig  WHERE {  GRAPH container:datasetupload {  SELECT ?s ?p ?o  WHERE {  ?s ?p ?o.  ?s rdf:type ?type.  FILTER (  ?type = dcat:Dataset  || ?type = dcat:Distribution  )  }  ORDER BY ?s ?p ?o  }  }  }    INSERT {  GRAPH versiongraph:version {  ?s ?p ?o  }  }  WHERE {  GRAPH container:datasetupload {  ?s rdf:type ?type.  ?s ?p ?o.  ?s bp4mc2:signature ?sig  FILTER (  ?type = dcat:Dataset  || ?type = dcat:Distribution  )  }  FILTER NOT EXISTS {  GRAPH doc:mastergraph {  ?s bp4mc2:signature ?sig  }  }  }  INSERT {  GRAPH ?g {  ?s prov:invalidatedAtTime "@CURRENTMOMENT@"  }  }  WHERE {  GRAPH doc:mastergraph {  ?s rdfs:isDefinedBy ?g  }  GRAPH versiongraph:version {  ?s rdf:type ?type.  FILTER (  ?type = dcat:Dataset  || ?type = dcat:Distribution  )  }  FILTER NOT EXISTS {  GRAPH ?g {  ?s prov:invalidatedAtTime ?time.  }  }  }  DELETE {  GRAPH doc:mastergraph {  ?s ?p ?o  }  }  WHERE {  GRAPH doc:mastergraph {  ?s ?p ?o  }  GRAPH versiongraph:version {  ?s rdf:type ?type.  FILTER (  ?type = dcat:Dataset  || ?type = dcat:Distribution  )  }  }  INSERT {  GRAPH doc:mastergraph {  ?s rdf:type ?type.  ?s rdfs:isDefinedBy versiongraph:version.  ?s bp4mc2:signature ?sig  }  }  WHERE {  GRAPH versiongraph:version {  ?s rdf:type ?type.  ?s bp4mc2:signature ?sig.  FILTER (  ?type = dcat:Dataset  || ?type = dcat:Distribution  )  }  }  CLEAR GRAPH container:datasetupload |

## **Lezen**

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| **Naam** | Selecteer concepten |
| **Input** | - |
| **Output** | * Haal alle subjecten van type skos:Concept op * Toon bijbehorende labels van de opgehaalde subjecten |
| **Query** | prefix dcat: <http://www.w3.org/ns/dcat#>  CONSTRUCT {  ?concept rdfs:label ?label  }  WHERE {  GRAPH ?g {  ?concept rdf:type skos:Concept.  BIND( str(?concept) AS ?label )  }  FILTER regex(?g, "^http://localhost:8080/catalogus/tax/(?!stage)")  } |

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| **Naam** | Selecteren dataset-lijst |
| **Input** | - |
| **Output** | * Construct alle triples van type skos:ConceptScheme * Per dataset het bijbehorende rdfs:label |
| **Query** | prefix dcat: <http://www.w3.org/ns/dcat#>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dct: <http://purl.org/dc/terms/>  CONSTRUCT {  ?dataset rdfs:label ?dataset\_label  }  WHERE {  GRAPH ?g {  ?dataset rdf:type skos:ConceptScheme.  ?dataset rdfs:label ?dataset\_label.  FILTER NOT EXISTS {  ?dataset prov:invalidatedAtTime ?time.  }  }  GRAPH doc:mastergraph {  ?g dct:isVersionOf doc:mastergraph.  }  }  ORDER BY DESC(?dataset\_label) |

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| **Naam** | Weergave concept |
| **Input** | * URI van het concept |
| **Output** | * Toon alle geldige triples waar de URI van het concept het subject is, gefilterd op onderstaande predicates   + rdfs:comment   + skos:definition   + skos:scopeNote   + dct:source   + skos:comment   + skos:member   + skoslex:actor   + skoslex:agent   + skoslex:object   + thes:broaderGeneric   + thes:narrowerGeneric   + thes:broaderPartitive   + thes:narrowerPartitive   + skos:semanticRelation   + skos:closeMatch   + skos:exactMatch   + skos:relatedMatch   + skos:broadMatch   + skos:narrowMatch   + skos:altLabel   + skos:inScheme * Toon ook per object van de triple het rdfs:label * Toon van de objecten waar deze type skos:Concept zijn, alleen de relaties naar het subject als het object de status gevalideerd/geverifieerd heeft |
| **Query** | PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  PREFIX skos: <http://www.w3.org/2004/02/skos/core#>  PREFIX skoslex: <http://bp4mc2.org/def/skos-lex/>  PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>  PREFIX doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  PREFIX dct: <http://purl.org/dc/terms/>  PREFIX prov: <http://www.w3.org/ns/prov#>  PREFIX kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  PREFIX kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  PREFIX thes: <http://purl.org/iso25964/skos-thes#>  CONSTRUCT {  <@SUBJECT@> ?p ?o.  <@SUBJECT@> rdfs:label ?slabel.  <@SUBJECT@> skos:prefLabel ?spreflabel.  ?o rdfs:label ?olabel.  <@SUBJECT@> skos:member ?col.  ?col rdfs:label ?col\_label.  <@SUBJECT@> skos:inScheme ?dataset.  ?dataset rdfs:label ?datasetlabel.  }  WHERE {  {  GRAPH ?g {  <@SUBJECT@> ?p ?o.  <@SUBJECT@> rdf:type skos:Concept.  OPTIONAL {  <@SUBJECT@> rdfs:label ?slabel.  FILTER( LANG( ?slabel ) = "" || LANGMATCHES( LANG( ?slabel ), "nl" ) )  }  OPTIONAL {  <@SUBJECT@> skos:prefLabel ?spreflabel.  FILTER( LANG( ?spreflabel ) = "" || LANGMATCHES( LANG( ?spreflabel ), "nl" ) )  }  FILTER NOT EXISTS {  <@SUBJECT@> prov:invalidatedAtTime ?stime.  }  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?g.  <@SUBJECT@> skos:inScheme ?dataset.  }  GRAPH ?dsg {  ?dataset rdfs:label ?datasetlabel.  }  GRAPH doc:mastergraph {  ?dataset rdfs:isDefinedBy ?dsg.  }  FILTER (  ?p = rdfs:comment  || ?p = skos:definition  || ?p = skos:scopeNote  || ?p = dct:source  || ?p = skos:comment  || ?p = skos:member  || ?p = skoslex:actor  || ?p = skoslex:agent  || ?p = skoslex:object  || ?p = thes:broaderGeneric  || ?p = thes:narrowerGeneric  || ?p = thes:broaderPartitive  || ?p = thes:narrowerPartitive  || ?p = skos:semanticRelation  || ?p = skos:closeMatch  || ?p = skos:exactMatch  || ?p = skos:relatedMatch  || ?p = skos:broadMatch  || ?p = skos:narrowMatch  || ?p = skos:altLabel  || ?p = skos:inScheme  )  FILTER( substr("@GRAPH@",2) = "GRAPH@")  }  UNION  {  GRAPH <@GRAPH@> {  <@SUBJECT@> ?p ?o.  <@SUBJECT@> rdf:type skos:Concept.  OPTIONAL {  <@SUBJECT@> rdfs:label ?slabel.  FILTER( LANG( ?slabel ) = "" || LANGMATCHES( LANG( ?slabel ), "nl" ) )  }  OPTIONAL {  <@SUBJECT@> skos:prefLabel ?spreflabel.  FILTER( LANG( ?spreflabel ) = "" || LANGMATCHES( LANG( ?spreflabel ), "nl" ) )  }  FILTER NOT EXISTS {  <@SUBJECT@> prov:invalidatedAtTime ?stime.  }  }  FILTER (  ?p = rdfs:comment  || ?p = skos:definition  || ?p = skos:scopeNote  || ?p = dct:source  || ?p = skos:comment  || ?p = skos:member  || ?p = skoslex:actor  || ?p = skoslex:agent  || ?p = skoslex:object  || ?p = thes:broaderGeneric  || ?p = thes:narrowerGeneric  || ?p = thes:broaderPartitive  || ?p = thes:narrowerPartitive  || ?p = skos:semanticRelation  || ?p = skos:closeMatch  || ?p = skos:exactMatch  || ?p = skos:relatedMatch  || ?p = skos:broadMatch  || ?p = skos:narrowMatch  || ?p = skos:altLabel  || ?p = skos:inScheme  )  FILTER ( substr("@GRAPH@",2) != "GRAPH@" )  }  OPTIONAL {  ?o rdfs:label ?olabel.  FILTER( LANG( ?olabel ) = "" || LANGMATCHES( LANG( ?olabel ), "nl" ) )  }  OPTIONAL {  GRAPH ?cg {  ?col skos:member <@SUBJECT@>.  ?col rdfs:label ?col\_label.  FILTER NOT EXISTS {  ?col prov:invalidatedAtTime ?ctime.  }  }  GRAPH doc:mastergraph {  ?col rdfs:isDefinedBy ?cg.  }  }  OPTIONAL {  GRAPH ?og {  ?o rdf:type ?otype.  OPTIONAL {  ?o kddef:status ?ostatus.  }  FILTER NOT EXISTS {  ?o prov:invalidatedAtTime ?otime.  }  }  GRAPH doc:mastergraph {  ?o rdfs:isDefinedBy ?og.  }  }  FILTER(  !isIRI( ?o )  ||  (  BOUND( ?otype )  &&  (  ?otype != skos:Concept  ||  (  BOUND( ?ostatus )  && (  ?ostatus = kdstat:Gevalideerd  || ?ostatus = kdstat:Geverifieerd  )  )  )  )  )  } |

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| **Naam** | Weergave gerelateerde concepten |
| **Input** | * URI van het concept |
| **Output** | * Haal alle geldige triples op waar de URI van het concept het object is * Toon het rdfs:label van het subject van de triples |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  CONSTRUCT {  <@SUBJECT@> ?p ?s.  <@SUBJECT@> rdfs:label "Gerelateerde concepten".  ?s rdfs:label ?s\_label.  }  WHERE {  GRAPH ?g {  ?s ?p <@SUBJECT@>.  ?s kddef:status ?status.  OPTIONAL {  ?s rdfs:label ?s\_label.  FILTER( LANG( ?s\_label ) = "" || LANGMATCHES( LANG( ?s\_label ), "nl" ) )  }  FILTER NOT EXISTS {  ?s prov:invalidatedAtTime ?time.  }  FILTER (  ?status = kdstat:Gevalideerd ||  ?status = kdstat:Geverifieerd  )  }  GRAPH doc:mastergraph {  ?s rdfs:isDefinedBy ?g.  }  } |

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| **Naam** | Glossary concepten |
| **Input** | - |
| **Output** | * Toon rdfs:label met link naar URI van concepten, anders dan het huidige concept, in de uitleg/definitie |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  prefix elmo: <http://bp4mc2.org/elmo/def#>    CONSTRUCT {  ?concept elmo:name ?concept\_label  }  WHERE {  SELECT \*  WHERE {  {  GRAPH ?g {  ?concept rdf:type skos:Concept.  ?concept skos:prefLabel ?concept\_label.  ?concept skos:inScheme ?scheme.  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?time.  }  FILTER( ?concept != <@SUBJECT@> )  }  GRAPH ?sg {  <@SUBJECT@> skos:inScheme ?scheme.  <@SUBJECT@> ?p ?concept.  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g.  <@SUBJECT@> rdfs:isDefinedBy ?sg.  }  FILTER( substr("@GRAPH@",2) = "GRAPH@" )  }  UNION {  GRAPH <@GRAPH@> {  ?concept rdf:type skos:Concept.  ?concept skos:prefLabel ?concept\_label.  ?concept skos:inScheme ?scheme.  FILTER( ?concept != <@SUBJECT@> )  }  GRAPH ?sg {  <@SUBJECT@> skos:inScheme ?scheme.  <@SUBJECT@> ?p ?concept.  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?sg.  }  FILTER( substr("@GRAPH@",2) != "GRAPH@" )  }  FILTER( LANG( ?concept\_label ) = "" || LANGMATCHES( LANG( ?concept\_label ), "nl" ) )  }  } |

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| **Naam** | Weergave metadata concepten |
| **Input** | * URI van het concept |
| **Output** | * Haal alle geldige triples op met de URI van het concept het subject is, gefilterd op:   + prov:generatedAtTime   + prov:invalidatedAtTime   + prov:wasGeneratedBy   + dct:valid   + foaf:focus   + skoslex:Actor   + skoslex:Object   + prov:startedAtTime   + prov:endedAtTime   + prov:wasAssociatedWith   + prov:actedOnBehalfOf   + rdfs:label   + skos:inScheme   + rdfs:isDefinedBy * Toon de bijbehorende rdfs:labels |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  construct {  <@SUBJECT@> ?p ?o.  ?o rdfs:label ?olabel.  ?col rdfs:label ?col\_label.  <@SUBJECT@> prov:wasGeneratedBy ?a.  <@SUBJECT@> prov:generatedAtTime ?t.  ?a rdfs:label ?alabel.  ?s rdfs:label ?slabel.  }  WHERE {  {  GRAPH ?g {  <@SUBJECT@> ?p ?o.  <@SUBJECT@> rdf:type skos:Concept.  ?g prov:wasGeneratedBy ?a.  ?g prov:generatedAtTime ?t.  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?g  }  FILTER (  ?p = prov:generatedAtTime  || ?p = prov:invalidatedAtTime  || ?p = prov:wasGeneratedBy  || ?p = dct:valid  || ?p = foaf:focus  || ?p = skoslex:Actor  || ?p = skoslex:Object  || ?p = prov:startedAtTime  || ?p = prov:endedAtTime  || ?p = prov:wasAssociatedWith  || ?p = prov:actedOnBehalfOf  || ?p = rdfs:label  || ?p = skos:inScheme  || ?p = rdfs:isDefinedBy  )  FILTER( substr("@GRAPH@",2) = "GRAPH@")  }  UNION  {  GRAPH <@GRAPH@> {  <@SUBJECT@> ?p ?o.  <@SUBJECT@> rdf:type skos:Concept.  <@GRAPH@> prov:wasGeneratedBy ?a.  <@GRAPH@> prov:generatedAtTime ?t.  }  FILTER (  ?p = prov:generatedAtTime  || ?p = prov:invalidatedAtTime  || ?p = prov:wasGeneratedBy  || ?p = dct:valid  || ?p = foaf:focus  || ?p = skoslex:Actor  || ?p = skoslex:Object  || ?p = prov:startedAtTime  || ?p = prov:endedAtTime  || ?p = prov:wasAssociatedWith  || ?p = prov:actedOnBehalfOf  || ?p = rdfs:label  || ?p = skos:inScheme  || ?p = rdfs:isDefinedBy  )  FILTER ( substr("@GRAPH@",2) != "GRAPH@" )  }  OPTIONAL {  ?o rdfs:label ?olabel.  }  OPTIONAL {  ?a rdfs:label ?alabel.  }  } |

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| **Naam** | Weergave vorige versies concepten |
| **Input** | * URI van het concept |
| **Output** | * Toon vorige versies van de URI van het concept |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  SELECT DISTINCT (<@SUBJECT@> as ?concept) ?concept\_label ?graph ?actueeltot  WHERE {  {  GRAPH ?graph {  <@SUBJECT@> rdf:type skos:Concept.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?actualGraph.  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != ?actualGraph )  FILTER( substr("@GRAPH@",2) = "GRAPH@" )  }  UNION {  GRAPH ?graph {  <@SUBJECT@> rdf:type skos:Concept.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != <@GRAPH@> )  FILTER ( substr("@GRAPH@",2) != "GRAPH@" )  }  }  ORDER BY DESC(lcase(?concept\_label)) |

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| **Naam** | Weergave provenance activity |
| **Input** | * URI van het concept |
| **Output** |  |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  construct {  <@SUBJECT@> ?p ?o.  ?o rdfs:label ?olabel.  ?o rdfs:label ?oelabel.  }  WHERE {  <@SUBJECT@> rdf:type prov:Activity.  <@SUBJECT@> ?p ?o.  FILTER (  ?p != rdf:type  && ?p != skos:prefLabel  && ?p != skos:notation  && ?p != bp4mc2:signature  && ?p != dct:type  && ?p != skos:member  && ?p != dct:title  )  OPTIONAL {  ?o rdfs:label ?olabel.  }  } |

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| **Naam** | Weergave provenance Agent |
| **Input** | * URI van het concept |
| **Output** |  |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  construct {  <@SUBJECT@> ?p ?o.  ?o rdfs:label ?olabel.  ?o rdfs:label ?oelabel.  }  WHERE {  <@SUBJECT@> rdf:type prov:Agent.  <@SUBJECT@> ?p ?o.  FILTER (  ?p != rdf:type  && ?p != skos:prefLabel  && ?p != skos:notation  && ?p != bp4mc2:signature  && ?p != dct:type  && ?p != skos:member  && ?p != dct:title  )  OPTIONAL {  ?o rdfs:label ?olabel.  }  } |

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| **Naam** | Weergave provenance versies activity |
| **Input** | * URI van het concept |
| **Output** |  |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  SELECT DISTINCT (<@SUBJECT@> as ?concept) ?concept\_label ?graph ?actueeltot  WHERE {  {  GRAPH ?graph {  <@SUBJECT@> rdf:type prov:Activity.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?actualGraph.  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != ?actualGraph )  FILTER( substr("@GRAPH@",2) = "GRAPH@" )  }  UNION {  GRAPH ?graph {  <@SUBJECT@> rdf:type prov:Activity.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != <@GRAPH@> )  FILTER ( substr("@GRAPH@",2) != "GRAPH@" )  }  } |

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| **Naam** | Weergave provenance versies agent |
| **Input** | * URI van het concept |
| **Output** |  |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  SELECT DISTINCT (<@SUBJECT@> as ?concept) ?concept\_label ?graph ?actueeltot  WHERE {  {  GRAPH ?graph {  <@SUBJECT@> rdf:type prov:Agent.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?actualGraph.  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != ?actualGraph )  FILTER( substr("@GRAPH@",2) = "GRAPH@" )  }  UNION {  GRAPH ?graph {  <@SUBJECT@> rdf:type prov:Agent.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != <@GRAPH@> )  FILTER ( substr("@GRAPH@",2) != "GRAPH@" )  }  }  ORDER BY DESC(lcase(?concept\_label)) |

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| **Naam** | Export van specifiek domein |
| **Input** | * URI van de dataset |
| **Output** | * Toon alle geldige triples waar het concept een skos:inScheme triple bevat naar de URI van de dataset |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  CONSTRUCT {  ?concept ?p ?o .  ?concept rdf:type skos:Concept .  }  WHERE {  GRAPH ?g {  ?concept ?p ?o .  ?concept kddef:status ?status.  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?time.  }  FILTER (  ?status = kdstat:Gevalideerd ||  ?status = kdstat:Geverifieerd  )  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g.  ?concept skos:inScheme <@DATASET@>.  }  OPTIONAL {  GRAPH ?og {  ?o rdf:type ?otype.  ?o kddef:status ?ostatus.  }  GRAPH doc:mastergraph {  ?o rdfs:isDefinedBy ?og.  }  }  FILTER(  !isIRI( ?o )  ||  (  BOUND( ?otype )  && BOUND( ?ostatus )  && (  ?ostatus = kdstat:Gevalideerd  || ?ostatus = kdstat:Geverifieerd  )  )  )  } |

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| **Naam** | Overzichtspagina concepten |
| **Input** | - |
| **Output** | * Haal alle concepten op * Toon alle concepten met status gevalideerd/geverifieerd * Toon bijhorend rdfs:label * Toon de uitleg (rdfs:comment) |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  SELECT ?concept ?concept\_label ?uitleg  WHERE {  GRAPH ?g {  {  ?concept rdf:type skos:Concept.  ?concept rdfs:label ?concept\_label.  ?concept kddef:status ?status.  OPTIONAL {  ?concept rdfs:comment ?uitleg  }  }  UNION  {  ?concept rdf:type skos:Concept.  ?concept skos:altLabel ?concept\_label.  ?concept kddef:status ?status.  OPTIONAL {  ?concept rdfs:label ?clabel.  ?concept rdfs:comment ?definition.  FILTER( LANG( ?clabel ) = "" || LANGMATCHES( LANG( ?clabel ), "nl" ) )  BIND( CONCAT( "(Synoniem voor: ", ?clabel, ") ", ?definition ) AS ?uitleg )  }  }  FILTER regex(?concept\_label, '^[^a-z0-9]\*@TERM@', 'i').  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?time.  }  FILTER (  ?status = kdstat:Gevalideerd ||  ?status = kdstat:Geverifieerd  )  FILTER( LANG( ?concept\_label ) = "" || LANGMATCHES( LANG( ?concept\_label ), "nl" ) )  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g  }  }  ORDER BY str(lcase(?concept\_label)) |

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| **Naam** | Overzichtspagina concepten per dataset |
| **Input** | * URI van de dataset |
| **Output** | * Haal alle geldige objecten op waar het concept een skos:inScheme triple bevat naar de URI van de dataset * Toon alle concepten met status gevalideerd/geverifieerd * Toon bijhorend rdfs:label * Toon de uitleg (rdfs:comment) |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  SELECT ?concept ?concept\_label ?uitleg  WHERE {  GRAPH ?g {  {  ?concept rdf:type skos:Concept.  ?concept rdfs:label ?concept\_label.  ?concept kddef:status ?status.  OPTIONAL {  ?concept rdfs:comment ?uitleg  }  }  UNION  {  ?concept rdf:type skos:Concept.  ?concept skos:altLabel ?concept\_label.  ?concept kddef:status ?status.  OPTIONAL {  ?concept rdfs:label ?clabel.  ?concept rdfs:comment ?definition.  BIND( CONCAT( "(Synoniem voor: ", ?clabel, ") ", ?definition ) AS ?uitleg )  }  }  FILTER regex(?concept\_label, '^[^a-z0-9]\*@TERM@', 'i').  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?time.  }  FILTER (  ?status = kdstat:Gevalideerd ||  ?status = kdstat:Geverifieerd  )  FILTER( LANG( ?concept\_label ) = "" || LANGMATCHES( LANG( ?concept\_label ), "nl" ) )  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g .  ?concept skos:inScheme <http://localhost:8080/catalogus/tax/id/dataset/@DATASET@>.  }  }  ORDER BY str(lcase(?concept\_label)) |

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| **Naam** | Overzichtspagina datasets |
| **Input** | - |
| **Output** | * Alle geldige triples waar subject van het rdf:type skos:ConceptScheme is * Toon het bijbehorende label (dct:title) * Toon de bijbehorende uitleg |
| **Query** | prefix dcat: <http://www.w3.org/ns/dcat#>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dct: <http://purl.org/dc/terms/>  SELECT DISTINCT ?dataset ?dataset\_label ?uitleg  WHERE {  GRAPH ?g {  ?dataset rdf:type skos:ConceptScheme.  ?dataset dct:title ?dataset\_label.  ?dataset rdfs:comment ?uitleg.  FILTER NOT EXISTS {  ?dataset prov:invalidatedAtTime ?time.  }  }  GRAPH doc:mastergraph {  ?dataset rdfs:isDefinedBy ?g  }  }  ORDER BY (?dataset) |

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| **Naam** | Weergave provenance datasets |
| **Input** | * URI van de dataset |
| **Output** |  |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  construct {  <@SUBJECT@> ?p ?o.  ?o rdfs:label ?olabel.  <@SUBJECT@> prov:wasGeneratedBy ?a.  <@SUBJECT@> prov:generatedAtTime ?t.  ?a rdfs:label ?alabel.  }  WHERE {  {  {  GRAPH ?g {  <@SUBJECT@> ?p ?o.  <@SUBJECT@> rdf:type dcat:Dataset.  ?g prov:wasGeneratedBy ?a.  ?g prov:generatedAtTime ?t.  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?g  }  OPTIONAL {  GRAPH doc:mastergraph {  ?o rdfs:isDefinedBy ?og.  }  GRAPH ?og {  ?o rdfs:label ?olabel.  }  }  FILTER (  ?p != rdf:type  && ?p != bp4mc2:signature  && ?p != dct:type  && ?p != skos:member  && ?p != dct:title  )  FILTER( substr("@GRAPH@",2) = "GRAPH@")  }  UNION  {  GRAPH <@GRAPH@> {  <@SUBJECT@> ?p ?o.  <@SUBJECT@> rdf:type dcat:Dataset.  ?g prov:wasGeneratedBy ?a.  ?g prov:generatedAtTime ?t.  }  OPTIONAL {  GRAPH doc:mastergraph {  ?o rdfs:isDefinedBy ?og.  }  GRAPH ?og {  ?o rdfs:label ?olabel.  }  }  FILTER (  ?p != rdf:type  && ?p != bp4mc2:signature  && ?p != dct:type  && ?p != skos:member  && ?p != dct:title  )  FILTER ( substr("@GRAPH@",2) != "GRAPH@" )  }  OPTIONAL {  ?a rdfs:label ?alabel.  }  }  } |

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| **Naam** | Weergave dataset-versies |
| **Input** | * URI van de dataset |
| **Output** |  |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix dcat: <http://www.w3.org/ns/dcat#>  SELECT DISTINCT (<@SUBJECT@> as ?concept) ?concept\_label ?graph ?actueeltot  WHERE {  {  GRAPH ?graph {  <@SUBJECT@> rdf:type dcat:Dataset.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  <@SUBJECT@> rdfs:isDefinedBy ?actualGraph.  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != ?actualGraph )  FILTER( substr("@GRAPH@",2) = "GRAPH@" )  }  UNION {  GRAPH ?graph {  <@SUBJECT@> rdf:type dcat:Dataset.  ?graph prov:generatedAtTime ?concept\_label.  OPTIONAL {  <@SUBJECT@> prov:invalidatedAtTime ?actueeltot.  }  }  GRAPH doc:mastergraph {  ?graph dc:isVersionOf doc:mastergraph  }  FILTER( ?graph != <@GRAPH@> )  FILTER ( substr("@GRAPH@",2) != "GRAPH@" )  }  }  ORDER BY DESC(lcase(?concept\_label)) |

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| **Naam** | Zoekpagina |
| **Input** | - |
| **Output** | * Haal alle geldige concepten op, gefilterd op zoekterm * Toon bijbehorende rdfs:label * Toon bijbehorende uitleg (rdfs:comment) |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  SELECT ?concept ?concept\_label ?uitleg  WHERE {  GRAPH ?g {  {  ?concept rdf:type skos:Concept.  ?concept rdfs:label ?concept\_label.  ?concept kddef:status ?status.  OPTIONAL {  ?concept rdfs:comment ?uitleg  }  }  UNION  {  ?concept rdf:type skos:Concept.  ?concept skos:altLabel ?concept\_label.  ?concept kddef:status ?status.  OPTIONAL {  ?concept rdfs:label ?clabel.  ?concept rdfs:comment ?definition.  BIND( CONCAT( "(Synoniem voor: ", ?clabel, ") ", ?definition ) AS ?uitleg )  }  }  FILTER regex(?concept\_label, '@TERM@', 'i').  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?time.  }  FILTER (  ?status = kdstat:Gevalideerd ||  ?status = kdstat:Geverifieerd  )  FILTER( LANG( ?concept\_label ) = "" || LANGMATCHES( LANG( ?concept\_label ), "nl" ) )  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g  }  }  ORDER BY str(lcase(?concept\_label))  LIMIT 100 |

## **Rapportages**

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| **Naam** | Rapportage relatie-controle (skos:semanticRelation) |
| **Input** | - |
| **Output** | * Alle triples <?subject skos:semanticRelation ?object> waar subject gerelateerd zijn aan een object, maar waar de omgekeerde relatie ontbreekt * Per subject het rdfs:label * Per object het rdfs:label |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  prefix owl: <http://www.w3.org/2002/07/owl#>  SELECT DISTINCT ?Subject ?Subject\_label ?Relatie ?Object ?Object\_label  WHERE {  {  SELECT ?Subject ?Subject\_label ?Object ?Object\_label  WHERE {  GRAPH ?sg {  ?Subject rdf:type skos:Concept.  ?Subject skos:semanticRelation ?Object.  OPTIONAL {  ?Subject rdfs:label ?Subject\_label.  FILTER( LANG( ?Subject\_label ) = "" || LANGMATCHES( LANG( ?Subject\_label ), "nl" ) )  }  FILTER NOT EXISTS {  ?Subject prov:invalidatedAtTime ?time.  }  FILTER NOT EXISTS {  GRAPH ?og {  ?Object rdf:type skos:Concept.  ?Object skos:semanticRelation ?Subject.  FILTER NOT EXISTS {  ?Object prov:invalidatedAtTime ?otime.  }  }  GRAPH doc:mastergraph {  ?Object rdfs:isDefinedBy ?og.  }  }  }  GRAPH ?og {  ?Object rdf:type skos:Concept.  OPTIONAL {  ?Object rdfs:label ?Object\_label.  FILTER( LANG( ?Object\_label ) = "" || LANGMATCHES( LANG( ?Object\_label ), "nl" ) )  }  FILTER NOT EXISTS {  ?Object prov:invalidatedAtTime ?otime.  }  }  GRAPH doc:mastergraph {  ?Subject rdfs:isDefinedBy ?sg.  ?Object rdfs:isDefinedBy ?og.  }  }  }  BIND( "Gerelateerd aan" AS ?Relatie )  }  ORDER BY ?Subject\_label |

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| **Naam** | Missing Links rapportage |
| **Input** | - |
| **Output** | * Alle triples <subject ?relatie ?object> waar het object geen geldige URI heeft, gefilterd op:   + thes:broaderGeneric   + thes:narrowerGeneric   + thes:broaderPartitive   + thes:narrowerPartitive   + skos:semanticRelation   + skos:closeMatch   + skos:exactMatch   + skos:relatedMatch   + skos:broadMatch   + skos:narrowMatch   + skoslex:actor   + skoslex:agent   + skoslex:object   + skos:member * De status van het subject * De relatie naar het object * De missende URI * De bijbehorende labels |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  prefix prov: <http://www.w3.org/ns/prov#>  prefix owl: <http://www.w3.org/2002/07/owl#>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix dct: <http://purl.org/dc/terms/>  SELECT  ?klasse  ?status ?status\_label  ?Frame ?Frame\_label  ?link ?link\_label  ?FrameRef ?FrameRef\_label  ?ActueelTot  WHERE {  {  GRAPH ?mg {  ?Frame rdf:type ?klasse.  ?Frame ?link ?FrameRef.  ?Frame kddef:status ?status.  OPTIONAL {  ?FrameRef prov:invalidatedAtTime ?FrameRefInvalidated.  }  FILTER(  ?link = thes:broaderGeneric  || ?link = thes:narrowerGeneric  || ?link = thes:broaderPartitive  || ?link = thes:narrowerPartitive  || ?link = skos:semanticRelation  || ?link = skos:closeMatch  || ?link = skos:exactMatch  || ?link = skos:relatedMatch  || ?link = skos:broadMatch  || ?link = skos:narrowMatch  || ?link = skoslex:actor  || ?link = skoslex:agent  || ?link = skoslex:object  || ?link = skos:member  )  OPTIONAL {  ?Frame rdfs:label ?Frame\_label.  FILTER (lang(?Frame\_label)="" || lang(?Frame\_label)="nl")  }  FILTER NOT EXISTS {  ?Frame prov:invalidatedAtTime ?time.  }  }  FILTER NOT EXISTS {  GRAPH ?frameRefGraph {  ?FrameRef rdf:type ?type .  FILTER NOT EXISTS {  ?FrameRef prov:invalidatedAtTime ?frtime.  }  }  GRAPH doc:mastergraph {  ?FrameRef rdfs:isDefinedBy ?frameRefGraph.  }  }  OPTIONAL {  GRAPH container:statusupload {  ?status rdfs:label ?status\_label.  FILTER (lang(?status\_label)="" || lang(?status\_label)="nl")  }  }  GRAPH doc:mastergraph {  ?Frame rdfs:isDefinedBy ?mg.  }  }  BIND(  IF (  bound( ?FrameRefInvalidated ),  'beëindigd',  'niet gedefinieerd')  AS ?ActueelTot  )  BIND (  IF(?link = skos:member, "Lid van",  IF(?link = skos:semanticRelation, "Heeft betrekking op",  IF(?link = thes:broaderGeneric, "Is specialisatie van",  IF(?link = thes:narrowerGeneric, "Is generalisatie van",  IF(?link = thes:broaderPartitive, "Is onderdeel van",  IF(?link = thes:narrowerPartitive, "Bestaat uit",  IF(?link = dct:source, "Bronnen",  IF(?link = skoslex:actor, "Heeft als actor",  IF(?link = skoslex:object, "Heeft als object",  IF(?link = skoslex:agent, "Heeft als agent",  IF(?link = skos:closeMatch, "Is ongeveer hetzelfde als",  IF(?link = skos:exactMatch, "Is hetzelfde als",  IF(?link = skos:relatedMatch, "Zie ook ",  IF(?link = skos:broadMatch, "Breder dan",  IF(?link = skos:member, "Lid van",  IF(?link = skos:narrowMatch, "Enger dan", " "  )  )  )  )  )  )  )  )  )  )  )  )  )  )  )  ) AS ?link\_label  )  }  ORDER BY str(lcase(?Frame\_label)) |

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| **Naam** | Statuscontrole rapportage |
| **Input** | - |
| **Output** | * Tonen van alle geldige concepten * Tonen van de huidige status van een concept * Tonen van bijbehorende labels |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  SELECT ?concept ?concept\_label ?status ?status\_label  WHERE {  GRAPH ?g {  {  ?concept rdf:type skos:Concept.  ?concept rdfs:label ?concept\_label.  ?concept kddef:status ?status.  }  UNION  {  ?concept rdf:type skos:Concept.  ?concept skos:altLabel ?concept\_label.  ?concept kddef:status ?status.  }  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?time.  }  FILTER( LANG( ?concept\_label ) = "" || LANGMATCHES( LANG( ?concept\_label ), "nl" ) )    }  OPTIONAL {  GRAPH container:statusupload {  ?status rdfs:label ?status\_label.  FILTER (lang(?status\_label)="" || lang(?status\_label)="nl")  }  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g  }  }  ORDER BY ?status\_label |

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| **Naam** | Homoniemen rapportage |
| **Input** | - |
| **Output** | * Toon alle concepten die in meerdere domeinen/datasets voorkomen, gebaseerd op skos:prefLabel * Toon het bijbehorende labels * Toon de bijbehorende datasets * Toon de bijbehorende statussen |
| **Query** | PREFIX doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>  PREFIX skos: <http://www.w3.org/2004/02/skos/core#>  PREFIX prov: <http://www.w3.org/ns/prov#>  PREFIX kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  PREFIX container: <http://localhost:8080/catalogus/tax/container/>  SELECT DISTINCT ?concept ?concept\_label ?preflabel ?dataset1 ?dataset1\_label ?status1 ?status1\_label ?dataset2 ?dataset2\_label ?status2 ?status2\_label  WHERE {  GRAPH ?g {  ?concept rdf:type skos:Concept.  ?concept rdfs:label ?concept\_label.  ?concept skos:prefLabel ?preflabel.  ?concept kddef:status ?status1.  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?c1time.  }  FILTER( LANG( ?concept\_label ) = "" || LANGMATCHES( LANG( ?concept\_label ), "nl" ) )  }  GRAPH ?g2 {  ?concept2 rdf:type skos:Concept.  ?concept2 skos:prefLabel ?preflabel.  ?concept2 kddef:status ?status2.  FILTER NOT EXISTS {  ?concept2 prov:invalidatedAtTime ?c2time.  }  }  GRAPH ?dsg {  ?dataset1 rdfs:label ?dataset1\_label.  FILTER NOT EXISTS {  ?dataset1 prov:invalidatedAtTime ?d1time.  }  ?dataset2 rdfs:label ?dataset2\_label.  FILTER NOT EXISTS {  ?dataset2 prov:invalidatedAtTime ?d2time.  }  }  OPTIONAL {  GRAPH container:statusupload {  ?status1 rdfs:label ?status1\_label.  ?status2 rdfs:label ?status2\_label.  FILTER (lang(?status1\_label)="" || lang(?status1\_label)="nl")  FILTER (lang(?status2\_label)="" || lang(?status2\_label)="nl")  }  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g.  ?concept2 rdfs:isDefinedBy ?g2.  ?dataset1 rdfs:isDefinedBy ?dsg.  ?dataset2 rdfs:isDefinedBy ?dsg.  ?concept skos:inScheme ?dataset1.  ?concept2 skos:inScheme ?dataset2.  }  FILTER (?concept != ?concept2)  } |

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| **Naam** | Synoniemen rapportage |
| **Input** | - |
| **Output** | * Toon alle concepten die in meerdere domeinen/datasets voorkomen, gebaseerd op skos:prefLabel en/of skos:altLabel * Toon het bijbehorende labels * Toon de bijbehorende datasets * Toon de bijbehorende statussen |
| **Query** | PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  PREFIX skos: <http://www.w3.org/2004/02/skos/core#>  PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>  PREFIX doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  PREFIX prov: <http://www.w3.org/ns/prov#>  PREFIX kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  PREFIX container: <http://localhost:8080/catalogus/tax/container/>  SELECT DISTINCT ?concept1 ?concept1\_label ?altlabel1 ?dataset1 ?dataset1\_label ?status1 ?status1\_label ?concept2 ?concept2\_label ?altlabel2 ?dataset2 ?dataset2\_label ?status2 ?status2\_label  WHERE {  GRAPH ?g1 {  ?concept1 rdf:type skos:Concept.  ?concept1 rdfs:label ?concept1\_label.  ?concept1 skos:prefLabel ?preflabel1.  ?concept1 kddef:status ?status1.  OPTIONAL {  ?concept1 skos:altLabel ?altlabel1.  FILTER( LANG( ?altlabel1 ) = "" || LANGMATCHES( LANG( ?altlabel1 ), "nl" ) )  }  FILTER( LANG( ?concept1\_label ) = "" || LANGMATCHES( LANG( ?concept1\_label ), "nl" ) )  FILTER NOT EXISTS {  ?concept1 prov:invalidatedAtTime ?c1time.  }  }  GRAPH ?g2 {  ?concept2 rdf:type skos:Concept.  ?concept2 rdfs:label ?concept2\_label.  ?concept2 skos:prefLabel ?preflabel2.  ?concept2 kddef:status ?status2.  OPTIONAL {  ?concept2 skos:altLabel ?altlabel2.  FILTER( LANG( ?altlabel2 ) = "" || LANGMATCHES( LANG( ?altlabel2 ), "nl" ) )  }  FILTER( LANG( ?concept2\_label ) = "" || LANGMATCHES( LANG( ?concept2\_label ), "nl" ) )  FILTER NOT EXISTS {  ?concept2 prov:invalidatedAtTime ?c2time.  }  }  GRAPH ?dsg {  ?dataset1 rdfs:label ?dataset1\_label.  FILTER NOT EXISTS {  ?dataset1 prov:invalidatedAtTime ?d1time.  }  ?dataset2 rdfs:label ?dataset2\_label.  FILTER NOT EXISTS {  ?dataset2 prov:invalidatedAtTime ?d2time.  }  }  OPTIONAL {  GRAPH container:statusupload {  ?status1 rdfs:label ?status1\_label.  ?status2 rdfs:label ?status2\_label.  FILTER (lang(?status1\_label)="" || lang(?status1\_label)="nl")  FILTER (lang(?status2\_label)="" || lang(?status2\_label)="nl")  }  }  GRAPH doc:mastergraph {  ?concept1 rdfs:isDefinedBy ?g1.  ?concept2 rdfs:isDefinedBy ?g2.  ?dataset1 rdfs:isDefinedBy ?dsg.  ?dataset2 rdfs:isDefinedBy ?dsg.  ?concept1 skos:inScheme ?dataset1.  ?concept2 skos:inScheme ?dataset2.  }  FILTER (  ?preflabel1 = ?preflabel2  || ?preflabel1 = ?altlabel2  || ?altlabel1 = ?preflabel2  || ?altlabel1 = ?altlabel2  )  FILTER (?concept1 != ?concept2)  }  ORDER BY ?concept1\_label |

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| **Naam** | Looping rapportage |
| **Input** | - |
| **Output** | * Alle triples waar subject gerelateerd is aan een object, en object relatie heeft met subject (looping), gefilterd op:   + thes:broaderGeneric   + thes:narrowerGeneric   + thes:broaderPartitive   + thes:narrowerPartitive   + skos:semanticRelation   + skos:closeMatch   + skos:exactMatch   + skos:relatedMatch   + skos:broadMatch   + skos:narrowMatch   + skoslex:actor   + skoslex:agent   + skoslex:object   + skos:member * Per subject het rdfs:label * Per object het rdfs:label |
| **Query** | prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix dct: <http://purl.org/dc/terms/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix prov: <http://www.w3.org/ns/prov#>  prefix dc: <http://purl.org/dc/terms/>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix dataset: <http://localhost:8080/catalogus/tax/id/dataset/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix brt: <http://brt.basisregistraties.overheid.nl/id/dataset/>  prefix bp4mc2: <http://bp4mc2.org/elmo/def/>  prefix dcat: <http://www.w3.org/ns/dcat#>  prefix owl: <http://www.w3.org/2002/07/owl#>  SELECT DISTINCT ?Subject ?Subject\_label  ?link ?link\_label  ?Object ?Object\_label  WHERE {  {  SELECT ?Subject ?Subject\_label ?link ?Object ?Object\_label ?AltObject  WHERE {  GRAPH ?sg {  ?Subject rdf:type skos:Concept.  ?Subject ?link ?Object.  OPTIONAL {  ?Subject rdfs:label ?Subject\_label.  FILTER( LANG( ?Subject\_label ) = "" || LANGMATCHES( LANG( ?Subject\_label ), "nl" ) )  }  FILTER NOT EXISTS {  ?Subject prov:invalidatedAtTime ?time.  }  FILTER(  ?link = thes:broaderGeneric  || ?link = thes:narrowerGeneric  || ?link = thes:broaderPartitive  || ?link = thes:narrowerPartitive  || ?link = skos:semanticRelation  || ?link = skos:closeMatch  || ?link = skos:exactMatch  || ?link = skos:relatedMatch  || ?link = skos:broadMatch  || ?link = skos:narrowMatch  || ?link = skoslex:actor  || ?link = skoslex:agent  || ?link = skoslex:object  || ?link = skos:member  )  }  GRAPH ?og {  ?Object rdf:type skos:Concept.  OPTIONAL {  ?Object ?link ?AltObject.  }  OPTIONAL {  ?Object rdfs:label ?Object\_label.  FILTER( LANG( ?Object\_label ) = "" || LANGMATCHES( LANG( ?Object\_label ), "nl" ) )  }  FILTER NOT EXISTS {  ?Object prov:invalidatedAtTime ?otime.  }  FILTER(  ?link = thes:broaderGeneric  || ?link = thes:narrowerGeneric  || ?link = thes:broaderPartitive  || ?link = thes:narrowerPartitive  || ?link = skos:semanticRelation  || ?link = skos:closeMatch  || ?link = skos:exactMatch  || ?link = skos:relatedMatch  || ?link = skos:broadMatch  || ?link = skos:narrowMatch  || ?link = skoslex:actor  || ?link = skoslex:agent  || ?link = skoslex:object  || ?link = skos:member  )  }  GRAPH doc:mastergraph {  ?Subject rdfs:isDefinedBy ?sg.  ?Object rdfs:isDefinedBy ?og.  }  }  }  FILTER (  ?Subject = ?AltObject  )  BIND (  IF(?link = skos:member, "Lid van",  IF(?link = skos:semanticRelation, "Heeft betrekking op",  IF(?link = thes:broaderGeneric, "Is specialisatie van",  IF(?link = thes:narrowerGeneric, "Is generalisatie van",  IF(?link = thes:broaderPartitive, "Is onderdeel van",  IF(?link = thes:narrowerPartitive, "Bestaat uit",  IF(?link = dct:source, "Bronnen",  IF(?link = skoslex:actor, "Heeft als actor",  IF(?link = skoslex:object, "Heeft als object",  IF(?link = skoslex:agent, "Heeft als agent",  IF(?link = skos:closeMatch, "Is ongeveer hetzelfde als",  IF(?link = skos:exactMatch, "Is hetzelfde als",  IF(?link = skos:relatedMatch, "Zie ook ",  IF(?link = skos:broadMatch, "Breder dan",  IF(?link = skos:member, "Lid van",  IF(?link = skos:narrowMatch, "Enger dan", " "  )  )  )  )  )  )  )  )  )  )  )  )  )  )  )  ) AS ?link\_label  )  }  ORDER BY ?Subject\_label |

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| **Naam** | Where Used rapportage |
| **Input** | - |
| **Output** | * Haal alle gevalideerde/geverifieerde concepten op * Toon alle triples waarbij het concept het object is, gefilterd op:   + thes:broaderGeneric   + thes:narrowerGeneric   + thes:broaderPartitive   + thes:narrowerPartitive   + skos:semanticRelation   + skos:closeMatch   + skos:exactMatch   + skos:relatedMatch   + skos:broadMatch   + skos:narrowMatch   + skoslex:actor   + skoslex:agent   + skoslex:object   + skos:member * Toon bijhorende rdfs:labels |
| **Query** | prefix prov: <http://www.w3.org/ns/prov#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix concept: <http://localhost:8080/catalogus/tax/id/concept/>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix dct: <http://purl.org/dc/terms/>  SELECT ?concept ?concept\_label ?link ?link\_label ?subject ?subject\_label  WHERE {  GRAPH ?g {  ?concept rdf:type skos:Concept.  ?concept rdfs:label ?concept\_label.  ?concept kddef:status ?status.  FILTER NOT EXISTS {  ?concept prov:invalidatedAtTime ?time.  }  FILTER (  ?status = kdstat:Gevalideerd ||  ?status = kdstat:Geverifieerd  )  FILTER( LANG( ?concept\_label ) = "" || LANGMATCHES( LANG( ?concept\_label ), "@LANGUAGE@" ) )  }  GRAPH ?sg {  ?subject ?link ?concept.  ?subject rdfs:label ?subject\_label.  FILTER( LANG( ?subject\_label ) = "" || LANGMATCHES( LANG( ?subject\_label ), "@LANGUAGE@" ) )  FILTER NOT EXISTS {  ?subject prov:invalidatedAtTime ?stime.  }  FILTER(  ?link = thes:broaderGeneric  || ?link = thes:narrowerGeneric  || ?link = thes:broaderPartitive  || ?link = thes:narrowerPartitive  || ?link = skos:semanticRelation  || ?link = skos:closeMatch  || ?link = skos:exactMatch  || ?link = skos:relatedMatch  || ?link = skos:broadMatch  || ?link = skos:narrowMatch  || ?link = skoslex:actor  || ?link = skoslex:agent  || ?link = skoslex:object  || ?link = skos:member  )  }  GRAPH doc:mastergraph {  ?concept rdfs:isDefinedBy ?g.  ?subject rdfs:isDefinedBy ?sg.  }  FILTER regex(?concept\_label, '^[^a-z0-9]\*@TERM@', 'i').  BIND (  IF(?link = skos:member, "Lid van",  IF(?link = skos:semanticRelation, "Heeft betrekking op",  IF(?link = thes:broaderGeneric, "Is specialisatie van",  IF(?link = thes:narrowerGeneric, "Is generalisatie van",  IF(?link = thes:broaderPartitive, "Is onderdeel van",  IF(?link = thes:narrowerPartitive, "Bestaat uit",  IF(?link = dct:source, "Bronnen",  IF(?link = skoslex:actor, "Heeft als actor",  IF(?link = skoslex:object, "Heeft als object",  IF(?link = skoslex:agent, "Heeft als agent",  IF(?link = skos:closeMatch, "Is ongeveer hetzelfde als",  IF(?link = skos:exactMatch, "Is hetzelfde als",  IF(?link = skos:relatedMatch, "Zie ook ",  IF(?link = skos:broadMatch, "Breder dan",  IF(?link = skos:member, "Lid van",  IF(?link = skos:narrowMatch, "Enger dan", " "  )  )  )  )  )  )  )  )  )  )  )  )  )  )  )  ) AS ?link\_label  )  }  ORDER BY str(lcase(?concept\_label)) |

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| **Naam** | Niet-gevalideerde links rapportage |
| **Input** | - |
| **Output** | * Alle triples <subject ?relatie ?object> waar het object niet de status gevalideerd/geverifieerd heeft, gefilterd op:   + thes:broaderGeneric   + thes:narrowerGeneric   + thes:broaderPartitive   + thes:narrowerPartitive   + skos:semanticRelation   + skos:closeMatch   + skos:exactMatch   + skos:relatedMatch   + skos:broadMatch   + skos:narrowMatch   + skoslex:actor   + skoslex:agent   + skoslex:object   + skos:member * De status van het subject * De relatie naar het object * De status van het object * De bijbehorende labels |
| **Query** | prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>  prefix skos: <http://www.w3.org/2004/02/skos/core#>  prefix doc: <http://localhost:8080/catalogus/tax/concepten/doc/>  prefix kddef: <http://kadaster.basisregistraties.overheid.nl/som/def#>  prefix kdstat: <http://kadaster.basisregistraties.overheid.nl/id/status/>  prefix prov: <http://www.w3.org/ns/prov#>  prefix owl: <http://www.w3.org/2002/07/owl#>  prefix thes: <http://purl.org/iso25964/skos-thes#>  prefix skoslex: <http://bp4mc2.org/def/skos-lex/>  prefix container: <http://localhost:8080/catalogus/tax/container/>  prefix dct: <http://purl.org/dc/terms/>  SELECT ?klasse  ?status ?status\_label  ?Frame ?Frame\_label  ?link ?link\_label  ?FrameRef ?FrameRef\_label  ?FR\_status ?FR\_status\_label  WHERE {  GRAPH ?mg {  ?Frame rdf:type ?klasse.  ?Frame ?link ?FrameRef.  ?Frame kddef:status ?status.  FILTER(  ?link = thes:broaderGeneric  || ?link = thes:narrowerGeneric  || ?link = thes:broaderPartitive  || ?link = thes:narrowerPartitive  || ?link = skos:semanticRelation  || ?link = skos:closeMatch  || ?link = skos:exactMatch  || ?link = skos:relatedMatch  || ?link = skos:broadMatch  || ?link = skos:narrowMatch  || ?link = skoslex:actor  || ?link = skoslex:agent  || ?link = skoslex:object  || ?link = skos:member  )  OPTIONAL {  ?Frame rdfs:label ?Frame\_label.  FILTER (lang(?Frame\_label)="" || lang(?Frame\_label)="nl")  }  FILTER NOT EXISTS {  ?Frame prov:invalidatedAtTime ?time.  }  }  GRAPH ?frameRefGraph {  ?FrameRef rdf:type ?FRType.  ?FrameRef kddef:status ?FR\_status.  OPTIONAL {  ?FrameRef rdfs:label ?FrameRef\_label.  FILTER (lang(?FrameRef\_label)="" || lang(?FrameRef\_label)="nl")  }  FILTER NOT EXISTS {  ?FrameRef prov:invalidatedAtTime ?FRtime.  }  FILTER (  ?FR\_status = kdstat:Afgekeurd  || ?FR\_status = kdstat:Niet\_beoordeeld  || ?FR\_status = kdstat:Ter\_afkeuring  || ?FR\_status = kdstat:Ter\_validatie  )  }  OPTIONAL {  GRAPH container:statusupload {  ?status rdfs:label ?status\_label.  ?FR\_status rdfs:label ?FR\_status\_label.  FILTER (lang(?status\_label)="" || lang(?status\_label)="nl")  FILTER (lang(?FR\_status\_label)="" || lang(?FR\_status\_label)="nl")  }  }  GRAPH doc:mastergraph {  ?Frame rdfs:isDefinedBy ?mg.  ?FrameRef rdfs:isDefinedBy ?frameRefGraph.  }  BIND (  IF(?link = skos:member, "Lid van",  IF(?link = skos:semanticRelation, "Heeft betrekking op",  IF(?link = thes:broaderGeneric, "Is specialisatie van",  IF(?link = thes:narrowerGeneric, "Is generalisatie van",  IF(?link = thes:broaderPartitive, "Is onderdeel van",  IF(?link = thes:narrowerPartitive, "Bestaat uit",  IF(?link = dct:source, "Bronnen",  IF(?link = skoslex:actor, "Heeft als actor",  IF(?link = skoslex:object, "Heeft als object",  IF(?link = skoslex:agent, "Heeft als agent",  IF(?link = skos:closeMatch, "Is ongeveer hetzelfde als",  IF(?link = skos:exactMatch, "Is hetzelfde als",  IF(?link = skos:relatedMatch, "Zie ook ",  IF(?link = skos:broadMatch, "Breder dan",  IF(?link = skos:member, "Lid van",  IF(?link = skos:narrowMatch, "Enger dan", " "  )  )  )  )  )  )  )  )  )  )  )  )  )  )  )  ) AS ?link\_label  )  }  ORDER BY str(lcase(?Frame\_label)) |

## **Overig**

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| --- | --- |
| **Naam** | Verwijder alle data |
| **Input** | - |
| **Output** | * Verwijder alle triples uit de stage tax |
| **Query** | DELETE {  GRAPH ?g {  ?s ?p ?o  }  }  WHERE {  GRAPH ?g {  ?s ?p ?o  }  FILTER regex(?g, "^http://localhost:8080/catalogus/tax/(?!stage)")  } |

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| **Naam** | Verwijder alle concepten |
| **Input** | - |
| **Output** | * Verwijder alle triples uit de stage tax waar subject van het type skos:Concept is |
| **Query** | DELETE {  GRAPH ?g {  ?s ?p ?o  }  }  WHERE {  GRAPH ?g {  ?s ?p ?o ; rdf:type skos:Concept  }  FILTER regex(?g, "^http://localhost:8080/catalogus/tax/(?!stage)")  } |

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| --- | --- |
| **Naam** | Verwijder enkel concept |
| **Input** | * URI van het concept |
| **Output** | * Verwijder alle triples waar een specifiek concept het subject is, uit de stage tax |
| **Query** | DELETE {  GRAPH ?g {  <@CONCEPT@> ?p ?o  }  }  WHERE {  GRAPH ?g {  <@CONCEPT@> ?p ?o  }  FILTER regex(?g, "^http://localhost:8080/catalogus/tax/(?!stage)")  } |