### **МУИС-н онтологийг OOPS онлайн системээр шалгахад гарсан үр дүн**

### [**Results for P04: Creating unconnected ontology elements.1 case | Minor**](http://oops.linkeddata.es/response.jsp)

Ontology elements (classes, object properties and datatype properties) are created isolated, with no relation to the rest of the ontology.  
  
•This pitfall appears in the following elements:  
› [http://num.edu.mn/ontology#ComplexType](http://num.edu.mn/ontology" \l "ComplexType)

### [**Results for P08: Missing annotations.145 cases | Minor**](http://oops.linkeddata.es/response.jsp)

This pitfall consists in creating an ontology element and failing to provide human readable annotations attached to it. Consequently, ontology elements lack annotation properties that label them (e.g. rdfs:label, lemon:LexicalEntry, skos:prefLabel or skos:altLabel) or that define them (e.g. rdfs:comment or dc:description). This pitfall is related to the guidelines provided in [5].  
  
• The following elements have no rdfs:label defined:  
› [http://num.edu.mn/ontology#Organization](http://num.edu.mn/ontology" \l "Organization)  
› [http://num.edu.mn/ontology#SString](http://num.edu.mn/ontology" \l "SString)  
› [http://num.edu.mn/ontology#Event\_series](http://num.edu.mn/ontology" \l "Event_series)  
› [http://num.edu.mn/ontology#ComplexType](http://num.edu.mn/ontology" \l "ComplexType)  
› [http://num.edu.mn/ontology#Moment](http://num.edu.mn/ontology" \l "Moment)  
› [http://num.edu.mn/ontology#Collection](http://num.edu.mn/ontology" \l "Collection)  
› [http://num.edu.mn/ontology#Book](http://num.edu.mn/ontology" \l "Book)  
› [http://num.edu.mn/ontology#Course\_schedule](http://num.edu.mn/ontology" \l "Course_schedule)  
› [http://num.edu.mn/ontology#Academic\_term](http://num.edu.mn/ontology" \l "Academic_term)  
› [http://num.edu.mn/ontology#Paper](http://num.edu.mn/ontology" \l "Paper)  
› [http://num.edu.mn/ontology#Person\_name](http://num.edu.mn/ontology" \l "Person_name)  
› [http://num.edu.mn/ontology#NLString](http://num.edu.mn/ontology" \l "NLString)  
› [http://num.edu.mn/ontology#Concept](http://num.edu.mn/ontology" \l "Concept)  
› [http://num.edu.mn/ontology#Name](http://num.edu.mn/ontology" \l "Name)  
› [http://num.edu.mn/ontology#Affiliation](http://num.edu.mn/ontology" \l "Affiliation)  
› [http://num.edu.mn/ontology#Course](http://num.edu.mn/ontology" \l "Course)  
› [http://num.edu.mn/ontology#Patent](http://num.edu.mn/ontology" \l "Patent)  
› [http://num.edu.mn/ontology#Entity](http://num.edu.mn/ontology" \l "Entity)  
› [http://num.edu.mn/ontology#Publication](http://num.edu.mn/ontology" \l "Publication)  
› [http://num.edu.mn/ontology#Curriculum](http://num.edu.mn/ontology" \l "Curriculum)  
› [http://num.edu.mn/ontology#Metadata](http://num.edu.mn/ontology" \l "Metadata)  
› [http://num.edu.mn/ontology#Date\_time\_interval](http://num.edu.mn/ontology" \l "Date_time_interval)  
› [http://num.edu.mn/ontology#Program](http://num.edu.mn/ontology" \l "Program)  
› [http://num.edu.mn/ontology#Creative\_work](http://num.edu.mn/ontology" \l "Creative_work)  
› [http://num.edu.mn/ontology#Periodical](http://num.edu.mn/ontology" \l "Periodical)  
› [http://num.edu.mn/ontology#Conference](http://num.edu.mn/ontology" \l "Conference)  
› [http://num.edu.mn/ontology#Event](http://num.edu.mn/ontology" \l "Event)  
› [http://num.edu.mn/ontology#Location](http://num.edu.mn/ontology" \l "Location)  
› [http://num.edu.mn/ontology#Authorship](http://num.edu.mn/ontology" \l "Authorship)  
› [http://num.edu.mn/ontology#Building](http://num.edu.mn/ontology" \l "Building)  
› [http://num.edu.mn/ontology#Duration](http://num.edu.mn/ontology" \l "Duration)  
› [http://num.edu.mn/ontology#Computer\_file](http://num.edu.mn/ontology" \l "Computer_file)  
› [http://num.edu.mn/ontology#Role](http://num.edu.mn/ontology" \l "Role)  
› [http://num.edu.mn/ontology#Academic\_year](http://num.edu.mn/ontology" \l "Academic_year)  
› [http://num.edu.mn/ontology#Room](http://num.edu.mn/ontology" \l "Room)  
› [http://num.edu.mn/ontology#Dissertation](http://num.edu.mn/ontology" \l "Dissertation)  
› [http://num.edu.mn/ontology#has\_date\_of\_publication](http://num.edu.mn/ontology" \l "has_date_of_publication)  
› [http://num.edu.mn/ontology#has\_role](http://num.edu.mn/ontology" \l "has_role)  
› [http://num.edu.mn/ontology#has\_conference](http://num.edu.mn/ontology" \l "has_conference)  
› [http://num.edu.mn/ontology#has\_place\_of\_death](http://num.edu.mn/ontology" \l "has_place_of_death)  
› [http://num.edu.mn/ontology#has\_name](http://num.edu.mn/ontology" \l "has_name)  
› [http://num.edu.mn/ontology#has\_research\_type](http://num.edu.mn/ontology" \l "has_research_type)  
› [http://num.edu.mn/ontology#expertise\_in](http://num.edu.mn/ontology" \l "expertise_in)  
› [http://num.edu.mn/ontology#has\_keyword](http://num.edu.mn/ontology" \l "has_keyword)  
› [http://num.edu.mn/ontology#relates](http://num.edu.mn/ontology" \l "relates)  
› [http://num.edu.mn/ontology#has\_status](http://num.edu.mn/ontology" \l "has_status)  
› [http://num.edu.mn/ontology#series\_of](http://num.edu.mn/ontology" \l "series_of)  
› [http://num.edu.mn/ontology#has\_date\_of\_participation](http://num.edu.mn/ontology" \l "has_date_of_participation)  
› [http://num.edu.mn/ontology#language](http://num.edu.mn/ontology" \l "language)  
› [http://num.edu.mn/ontology#has\_location](http://num.edu.mn/ontology" \l "has_location)  
› [http://num.edu.mn/ontology#has\_title](http://num.edu.mn/ontology" \l "has_title)  
› [http://num.edu.mn/ontology#has\_course](http://num.edu.mn/ontology" \l "has_course)  
› [http://num.edu.mn/ontology#has\_place\_of\_birth](http://num.edu.mn/ontology" \l "has_place_of_birth)  
› [http://num.edu.mn/ontology#has\_funding\_type](http://num.edu.mn/ontology" \l "has_funding_type)  
› [http://num.edu.mn/ontology#has\_duration](http://num.edu.mn/ontology" \l "has_duration)  
› [http://num.edu.mn/ontology#has\_scope](http://num.edu.mn/ontology" \l "has_scope)  
› [http://num.edu.mn/ontology#authorship\_of](http://num.edu.mn/ontology" \l "authorship_of)  
› [http://num.edu.mn/ontology#has\_date\_of\_death](http://num.edu.mn/ontology" \l "has_date_of_death)  
› [http://num.edu.mn/ontology#has\_authorship](http://num.edu.mn/ontology" \l "has_authorship)  
› [http://num.edu.mn/ontology#has\_start](http://num.edu.mn/ontology" \l "has_start)  
› [http://num.edu.mn/ontology#has](http://num.edu.mn/ontology" \l "has)  
› [http://num.edu.mn/ontology#has\_organizer](http://num.edu.mn/ontology" \l "has_organizer)  
› [http://num.edu.mn/ontology#occupy](http://num.edu.mn/ontology" \l "occupy)  
› [http://num.edu.mn/ontology#has\_interval](http://num.edu.mn/ontology" \l "has_interval)  
› [http://num.edu.mn/ontology#has\_project\_type](http://num.edu.mn/ontology" \l "has_project_type)  
› [http://num.edu.mn/ontology#has\_curriculum](http://num.edu.mn/ontology" \l "has_curriculum)  
› [http://num.edu.mn/ontology#has\_birth\_date](http://num.edu.mn/ontology" \l "has_birth_date)  
› [http://num.edu.mn/ontology#has\_end](http://num.edu.mn/ontology" \l "has_end)  
› [http://num.edu.mn/ontology#has\_subject](http://num.edu.mn/ontology" \l "has_subject)  
› [http://num.edu.mn/ontology#Degree\_program](http://num.edu.mn/ontology" \l "Degree_program)  
› [http://num.edu.mn/ontology#Function](http://num.edu.mn/ontology" \l "Function)  
› [http://num.edu.mn/ontology#Schedule\_end](http://num.edu.mn/ontology" \l "Schedule_end)  
› [http://num.edu.mn/ontology#Budget](http://num.edu.mn/ontology" \l "Budget)  
› [http://num.edu.mn/ontology#Photo](http://num.edu.mn/ontology" \l "Photo)  
› [http://num.edu.mn/ontology#Latitude](http://num.edu.mn/ontology" \l "Latitude)  
› [http://num.edu.mn/ontology#HTML\_description](http://num.edu.mn/ontology" \l "HTML_description)  
› [http://num.edu.mn/ontology#Area](http://num.edu.mn/ontology" \l "Area)  
› [http://num.edu.mn/ontology#Fund](http://num.edu.mn/ontology" \l "Fund)  
› [http://num.edu.mn/ontology#Organizing\_country](http://num.edu.mn/ontology" \l "Organizing_country)  
› [http://num.edu.mn/ontology#Room\_capacity](http://num.edu.mn/ontology" \l "Room_capacity)  
› [http://num.edu.mn/ontology#Room\_type](http://num.edu.mn/ontology" \l "Room_type)  
› [http://num.edu.mn/ontology#ORC\_ID](http://num.edu.mn/ontology" \l "ORC_ID)  
› [http://num.edu.mn/ontology#CollectionID](http://num.edu.mn/ontology" \l "CollectionID)  
› [http://num.edu.mn/ontology#Volume\_number](http://num.edu.mn/ontology" \l "Volume_number)  
› [http://num.edu.mn/ontology#Veracity](http://num.edu.mn/ontology" \l "Veracity)  
› [http://num.edu.mn/ontology#Format](http://num.edu.mn/ontology" \l "Format)  
› [http://num.edu.mn/ontology#ISSN](http://num.edu.mn/ontology" \l "ISSN)  
› [http://num.edu.mn/ontology#Gender](http://num.edu.mn/ontology" \l "Gender)  
› [http://num.edu.mn/ontology#Title](http://num.edu.mn/ontology" \l "Title)  
› [http://num.edu.mn/ontology#Course\_type](http://num.edu.mn/ontology" \l "Course_type)  
› [http://num.edu.mn/ontology#Phone\_number](http://num.edu.mn/ontology" \l "Phone_number)  
› [http://num.edu.mn/ontology#Open\_access](http://num.edu.mn/ontology" \l "Open_access)  
› [http://num.edu.mn/ontology#Local\_cost](http://num.edu.mn/ontology" \l "Local_cost)  
› [http://num.edu.mn/ontology#Scientific\_sector](http://num.edu.mn/ontology" \l "Scientific_sector)  
› [http://num.edu.mn/ontology#Cost](http://num.edu.mn/ontology" \l "Cost)  
› [http://num.edu.mn/ontology#Citiation](http://num.edu.mn/ontology" \l "Citiation)  
› [http://num.edu.mn/ontology#License](http://num.edu.mn/ontology" \l "License)  
› [http://num.edu.mn/ontology#Training\_program](http://num.edu.mn/ontology" \l "Training_program)  
› [http://num.edu.mn/ontology#Approved\_year](http://num.edu.mn/ontology" \l "Approved_year)  
› [http://num.edu.mn/ontology#Surname](http://num.edu.mn/ontology" \l "Surname)  
› [http://num.edu.mn/ontology#Start](http://num.edu.mn/ontology" \l "Start)  
› [http://num.edu.mn/ontology#Performer](http://num.edu.mn/ontology" \l "Performer)  
› [http://num.edu.mn/ontology#Class](http://num.edu.mn/ontology" \l "Class)  
› [http://num.edu.mn/ontology#Middle\_name](http://num.edu.mn/ontology" \l "Middle_name)  
› [http://num.edu.mn/ontology#Defense\_date](http://num.edu.mn/ontology" \l "Defense_date)  
› [http://num.edu.mn/ontology#ISBN](http://num.edu.mn/ontology" \l "ISBN)  
› [http://num.edu.mn/ontology#URL](http://num.edu.mn/ontology" \l "URL)  
› [http://num.edu.mn/ontology#Schedule\_start](http://num.edu.mn/ontology" \l "Schedule_start)  
› [http://num.edu.mn/ontology#Home\_page](http://num.edu.mn/ontology" \l "Home_page)  
› [http://num.edu.mn/ontology#Minimum](http://num.edu.mn/ontology" \l "Minimum)  
› [http://num.edu.mn/ontology#Frequency](http://num.edu.mn/ontology" \l "Frequency)  
› [http://num.edu.mn/ontology#End](http://num.edu.mn/ontology" \l "End)  
› [http://num.edu.mn/ontology#Fax\_number](http://num.edu.mn/ontology" \l "Fax_number)  
› [http://num.edu.mn/ontology#ISMN](http://num.edu.mn/ontology" \l "ISMN)  
› [http://num.edu.mn/ontology#has\_impact\_factor](http://num.edu.mn/ontology" \l "has_impact_factor)  
› [http://num.edu.mn/ontology#Identifier](http://num.edu.mn/ontology" \l "Identifier)  
› [http://num.edu.mn/ontology#Curriculum\_year](http://num.edu.mn/ontology" \l "Curriculum_year)  
› [http://num.edu.mn/ontology#Local\_budget](http://num.edu.mn/ontology" \l "Local_budget)  
› [http://num.edu.mn/ontology#First\_name](http://num.edu.mn/ontology" \l "First_name)  
› [http://num.edu.mn/ontology#Version](http://num.edu.mn/ontology" \l "Version)  
› [http://num.edu.mn/ontology#Impact\_factor](http://num.edu.mn/ontology" \l "Impact_factor)  
› [http://num.edu.mn/ontology#Program\_index](http://num.edu.mn/ontology" \l "Program_index)  
› [http://num.edu.mn/ontology#DOI](http://num.edu.mn/ontology" \l "DOI)  
› [http://num.edu.mn/ontology#Course\_credits](http://num.edu.mn/ontology" \l "Course_credits)  
› [http://num.edu.mn/ontology#Sponsor](http://num.edu.mn/ontology" \l "Sponsor)  
› [http://num.edu.mn/ontology#Importance](http://num.edu.mn/ontology" \l "Importance)  
› [http://num.edu.mn/ontology#Maximum](http://num.edu.mn/ontology" \l "Maximum)  
› [http://num.edu.mn/ontology#Size](http://num.edu.mn/ontology" \l "Size)  
› [http://num.edu.mn/ontology#Page\_number](http://num.edu.mn/ontology" \l "Page_number)  
› [http://num.edu.mn/ontology#Program\_type](http://num.edu.mn/ontology" \l "Program_type)  
› [http://num.edu.mn/ontology#Authorship\_order](http://num.edu.mn/ontology" \l "Authorship_order)  
› [http://num.edu.mn/ontology#Course\_index](http://num.edu.mn/ontology" \l "Course_index)  
› [http://num.edu.mn/ontology#Course\_interval](http://num.edu.mn/ontology" \l "Course_interval)  
› [http://num.edu.mn/ontology#Day\_of\_week](http://num.edu.mn/ontology" \l "Day_of_week)  
› [http://num.edu.mn/ontology#Description](http://num.edu.mn/ontology" \l "Description)  
› [http://num.edu.mn/ontology#Elevation](http://num.edu.mn/ontology" \l "Elevation)  
› [http://num.edu.mn/ontology#Abstract](http://num.edu.mn/ontology" \l "Abstract)  
› [http://num.edu.mn/ontology#Entity\_name](http://num.edu.mn/ontology" \l "Entity_name)  
› [http://num.edu.mn/ontology#Address](http://num.edu.mn/ontology" \l "Address)  
› [http://num.edu.mn/ontology#Course\_frequency](http://num.edu.mn/ontology" \l "Course_frequency)  
› [http://num.edu.mn/ontology#Nationality](http://num.edu.mn/ontology" \l "Nationality)  
› [http://num.edu.mn/ontology#Longitude](http://num.edu.mn/ontology" \l "Longitude)  
› [http://num.edu.mn/ontology#Issue\_number](http://num.edu.mn/ontology" \l "Issue_number)  
› [http://num.edu.mn/ontology#Seats](http://num.edu.mn/ontology" \l "Seats)  
› [http://num.edu.mn/ontology#Email](http://num.edu.mn/ontology" \l "Email)

### [**Results for P10: Missing disjointness.ontology\* | Important**](http://oops.linkeddata.es/response.jsp)

The ontology lacks disjoint axioms between classes or between properties that should be defined as disjoint. This pitfall is related with the guidelines provided in [6], [2] and [7].  
  
\*This pitfall applies to the ontology in general instead of specific elements.

### [**Results for P11: Missing domain or range in properties.7 cases | Important**](http://oops.linkeddata.es/response.jsp)

Object and/or datatype properties without domain or range (or none of them) are included in the ontology.  
  
• This pitfall appears in the following elements:  
› [http://num.edu.mn/ontology#has\_provenance](http://num.edu.mn/ontology" \l "has_provenance)  
› [http://num.edu.mn/ontology#has\_time](http://num.edu.mn/ontology" \l "has_time)  
› [http://num.edu.mn/ontology#Frequency](http://num.edu.mn/ontology" \l "Frequency)  
› [http://num.edu.mn/ontology#Schedule\_start](http://num.edu.mn/ontology" \l "Schedule_start)  
› [http://num.edu.mn/ontology#LicenseNumber](http://num.edu.mn/ontology" \l "LicenseNumber)  
› [http://num.edu.mn/ontology#Veracity](http://num.edu.mn/ontology" \l "Veracity)  
› [http://num.edu.mn/ontology#Schedule\_end](http://num.edu.mn/ontology" \l "Schedule_end)  
  
• **Tip:** Solving this pitfall may lead to new results for other pitfalls and suggestions. We encourage you to solve all cases when needed and see what else you can get from OOPS!

### [**Results for P13: Inverse relationships not explicitly declared.56 cases | Minor**](http://oops.linkeddata.es/response.jsp)

This pitfall appears when any relationship (except for those that are defined as symmetric properties using owl:SymmetricProperty) does not have an inverse relationship (owl:inverseOf) defined within the ontology.  
  
• This pitfall appears in the following elements:  
› [http://num.edu.mn/ontology#has\_date\_of\_publication](http://num.edu.mn/ontology" \l "has_date_of_publication)  
› [http://num.edu.mn/ontology#has\_file](http://num.edu.mn/ontology" \l "has_file)  
› [http://num.edu.mn/ontology#has\_professor](http://num.edu.mn/ontology" \l "has_professor)  
› [http://num.edu.mn/ontology#has\_role](http://num.edu.mn/ontology" \l "has_role)  
› [http://num.edu.mn/ontology#has\_assistant](http://num.edu.mn/ontology" \l "has_assistant)  
› [http://num.edu.mn/ontology#has\_conference](http://num.edu.mn/ontology" \l "has_conference)  
› [http://num.edu.mn/ontology#has\_place\_of\_death](http://num.edu.mn/ontology" \l "has_place_of_death)  
› [http://num.edu.mn/ontology#has\_creator](http://num.edu.mn/ontology" \l "has_creator)  
› [http://num.edu.mn/ontology#has\_name](http://num.edu.mn/ontology" \l "has_name)  
› [http://num.edu.mn/ontology#has\_research\_type](http://num.edu.mn/ontology" \l "has_research_type)  
› [http://num.edu.mn/ontology#expertise\_in](http://num.edu.mn/ontology" \l "expertise_in)  
› [http://num.edu.mn/ontology#has\_translator](http://num.edu.mn/ontology" \l "has_translator)  
› [http://num.edu.mn/ontology#occupies\_role](http://num.edu.mn/ontology" \l "occupies_role)  
› [http://num.edu.mn/ontology#has\_keyword](http://num.edu.mn/ontology" \l "has_keyword)  
› [http://num.edu.mn/ontology#has\_department](http://num.edu.mn/ontology" \l "has_department)  
› [http://num.edu.mn/ontology#has\_partner](http://num.edu.mn/ontology" \l "has_partner)  
› [http://num.edu.mn/ontology#relates](http://num.edu.mn/ontology" \l "relates)  
› [http://num.edu.mn/ontology#part\_of](http://num.edu.mn/ontology" \l "part_of)  
› [http://num.edu.mn/ontology#has\_contributor](http://num.edu.mn/ontology" \l "has_contributor)  
› [http://num.edu.mn/ontology#has\_status](http://num.edu.mn/ontology" \l "has_status)  
› [http://num.edu.mn/ontology#has\_publisher](http://num.edu.mn/ontology" \l "has_publisher)  
› [http://num.edu.mn/ontology#series\_of](http://num.edu.mn/ontology" \l "series_of)  
› [http://num.edu.mn/ontology#has\_participant](http://num.edu.mn/ontology" \l "has_participant)  
› [http://num.edu.mn/ontology#has\_date\_of\_participation](http://num.edu.mn/ontology" \l "has_date_of_participation)  
› [http://num.edu.mn/ontology#language](http://num.edu.mn/ontology" \l "language)  
› [http://num.edu.mn/ontology#has\_location](http://num.edu.mn/ontology" \l "has_location)  
› [http://num.edu.mn/ontology#has\_title](http://num.edu.mn/ontology" \l "has_title)  
› [http://num.edu.mn/ontology#has\_course](http://num.edu.mn/ontology" \l "has_course)  
› [http://num.edu.mn/ontology#has\_place\_of\_birth](http://num.edu.mn/ontology" \l "has_place_of_birth)  
› [http://num.edu.mn/ontology#has\_funding\_agency](http://num.edu.mn/ontology" \l "has_funding_agency)  
› [http://num.edu.mn/ontology#has\_funding\_type](http://num.edu.mn/ontology" \l "has_funding_type)  
› [http://num.edu.mn/ontology#has\_duration](http://num.edu.mn/ontology" \l "has_duration)  
› [http://num.edu.mn/ontology#has\_scope](http://num.edu.mn/ontology" \l "has_scope)  
› [http://num.edu.mn/ontology#authorship\_of](http://num.edu.mn/ontology" \l "authorship_of)  
› [http://num.edu.mn/ontology#has\_time](http://num.edu.mn/ontology" \l "has_time)  
› [http://num.edu.mn/ontology#has\_date\_of\_death](http://num.edu.mn/ontology" \l "has_date_of_death)  
› [http://num.edu.mn/ontology#has\_responsible\_person](http://num.edu.mn/ontology" \l "has_responsible_person)  
› [http://num.edu.mn/ontology#has\_authorship](http://num.edu.mn/ontology" \l "has_authorship)  
› [http://num.edu.mn/ontology#has\_start](http://num.edu.mn/ontology" \l "has_start)  
› [http://num.edu.mn/ontology#has](http://num.edu.mn/ontology" \l "has)  
› [http://num.edu.mn/ontology#has\_owner](http://num.edu.mn/ontology" \l "has_owner)  
› [http://num.edu.mn/ontology#has\_reviewer](http://num.edu.mn/ontology" \l "has_reviewer)  
› [http://num.edu.mn/ontology#has\_editor](http://num.edu.mn/ontology" \l "has_editor)  
› [http://num.edu.mn/ontology#has\_organizer](http://num.edu.mn/ontology" \l "has_organizer)  
› [http://num.edu.mn/ontology#occupy](http://num.edu.mn/ontology" \l "occupy)  
› [http://num.edu.mn/ontology#has\_interval](http://num.edu.mn/ontology" \l "has_interval)  
› [http://num.edu.mn/ontology#has\_coordinator](http://num.edu.mn/ontology" \l "has_coordinator)  
› [http://num.edu.mn/ontology#has\_project\_type](http://num.edu.mn/ontology" \l "has_project_type)  
› [http://num.edu.mn/ontology#has\_curriculum](http://num.edu.mn/ontology" \l "has_curriculum)  
› [http://num.edu.mn/ontology#has\_birth\_date](http://num.edu.mn/ontology" \l "has_birth_date)  
› [http://num.edu.mn/ontology#has\_provenance](http://num.edu.mn/ontology" \l "has_provenance)  
› [http://num.edu.mn/ontology#has\_original\_work](http://num.edu.mn/ontology" \l "has_original_work)  
› [http://num.edu.mn/ontology#has\_end](http://num.edu.mn/ontology" \l "has_end)  
› [http://num.edu.mn/ontology#has\_author](http://num.edu.mn/ontology" \l "has_author)  
› [http://num.edu.mn/ontology#has\_sponsor](http://num.edu.mn/ontology" \l "has_sponsor)  
› [http://num.edu.mn/ontology#has\_subject](http://num.edu.mn/ontology" \l "has_subject)

### [**Results for P19: Defining multiple domains or ranges in properties.24 cases | Critical**](http://oops.linkeddata.es/response.jsp)

The domain or range (or both) of a property (relationships and attributes) is defined by stating more than one rdfs:domain or rdfs:range statements. In OWL multiple rdfs:domain or rdfs:range axioms are allowed, but they are interpreted as conjunction, being, therefore, equivalent to the construct owl:intersectionOf. This pitfall is related to the common error that appears when defining domains and ranges described in [7].  
  
• This pitfall appears in the following elements:  
› [http://num.edu.mn/ontology#has\_subject](http://num.edu.mn/ontology" \l "has_subject)  
› [http://num.edu.mn/ontology#has\_duration](http://num.edu.mn/ontology" \l "has_duration)  
› [http://num.edu.mn/ontology#has\_title](http://num.edu.mn/ontology" \l "has_title)  
› [http://num.edu.mn/ontology#has\_location](http://num.edu.mn/ontology" \l "has_location)  
› [http://num.edu.mn/ontology#has\_publisher](http://num.edu.mn/ontology" \l "has_publisher)  
› [http://num.edu.mn/ontology#has\_status](http://num.edu.mn/ontology" \l "has_status)  
› [http://num.edu.mn/ontology#has\_department](http://num.edu.mn/ontology" \l "has_department)  
› [http://num.edu.mn/ontology#has\_keyword](http://num.edu.mn/ontology" \l "has_keyword)  
› [http://num.edu.mn/ontology#expertise\_in](http://num.edu.mn/ontology" \l "expertise_in)  
› [http://num.edu.mn/ontology#has\_name](http://num.edu.mn/ontology" \l "has_name)  
› [http://num.edu.mn/ontology#has\_date\_of\_publication](http://num.edu.mn/ontology" \l "has_date_of_publication)  
› [http://num.edu.mn/ontology#Nationality](http://num.edu.mn/ontology" \l "Nationality)  
› [http://num.edu.mn/ontology#Abstract](http://num.edu.mn/ontology" \l "Abstract)  
› [http://num.edu.mn/ontology#Importance](http://num.edu.mn/ontology" \l "Importance)  
› [http://num.edu.mn/ontology#Fax\_number](http://num.edu.mn/ontology" \l "Fax_number)  
› [http://num.edu.mn/ontology#Home\_page](http://num.edu.mn/ontology" \l "Home_page)  
› [http://num.edu.mn/ontology#ISBN](http://num.edu.mn/ontology" \l "ISBN)  
› [http://num.edu.mn/ontology#Phone\_number](http://num.edu.mn/ontology" \l "Phone_number)  
› [http://num.edu.mn/ontology#Title](http://num.edu.mn/ontology" \l "Title)  
› [http://num.edu.mn/ontology#ISSN](http://num.edu.mn/ontology" \l "ISSN)  
› [http://num.edu.mn/ontology#Organizing\_country](http://num.edu.mn/ontology" \l "Organizing_country)  
› [http://num.edu.mn/ontology#Area](http://num.edu.mn/ontology" \l "Area)  
› [http://num.edu.mn/ontology#Photo](http://num.edu.mn/ontology" \l "Photo)  
› [http://num.edu.mn/ontology#Degree\_program](http://num.edu.mn/ontology" \l "Degree_program)

### [**Results for P22: Using different naming conventions in the ontology.ontology\* | Minor**](http://oops.linkeddata.es/response.jsp)

The ontology elements are not named following the same convention (for example CamelCase or use of delimiters as "-" or "\_") . Some notions about naming conventions are provided in [2].  
  
\*This pitfall applies to the ontology in general instead of specific elements.

### [**Results for P30: Equivalent classes not explicitly declared.1 case | Important**](http://oops.linkeddata.es/response.jsp)

This pitfall consists in missing the definition of equivalent classes (owl:equivalentClass) in case of duplicated concepts. When an ontology reuses terms from other ontologies, classes that have the same meaning should be defined as equivalent in order to benefit the interoperability between both ontologies.  
  
• The following classes might be equivalent:  
› [http://num.edu.mn/ontology#Program](http://num.edu.mn/ontology" \l "Program), [http://num.edu.mn/ontology#Curriculum](http://num.edu.mn/ontology" \l "Curriculum)

### [**Results for P41: No license declared.ontology\* | Important**](http://oops.linkeddata.es/response.jsp)

The ontology metadata omits information about the license that applies to the ontology.  
  
\*This pitfall applies to the ontology in general instead of specific elements.

### [**SUGGESTION: symmetric or transitive object properties.3 cases**](http://oops.linkeddata.es/response.jsp)

The domain and range axioms are equal for each of the following object properties. Could they be symmetric or transitive?  
› [http://num.edu.mn/ontology#part\_of](http://num.edu.mn/ontology" \l "part_of)  
› [http://num.edu.mn/ontology#has\_original\_work](http://num.edu.mn/ontology" \l "has_original_work)  
› [http://num.edu.mn/ontology#has\_original\_work](http://num.edu.mn/ontology" \l "has_original_work)