* **Which exhibits are located in UoAMuseumRoomA1?**

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

PREFIX owl: <http://www.w3.org/2002/07/owl#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

PREFIX geonames: <http://www.geonames.org/ontology#>

PREFIX :<http://i-lab.aegean.gr/kotis/Ontologies/Meso/Meso.owl#>

SELECT ?x

WHERE { ?x geonames:locatedIn :UoAMuseumRoomA1}

* **How many sensors (all kinds) are hosted by IoTmuseumPlatfromLG?**

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

PREFIX owl: <http://www.w3.org/2002/07/owl#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

PREFIX geonames: <http://www.geonames.org/ontology#>

PREFIX sosa:<http://www.w3.org/ns/sosa/>

PREFIX :<http://i-lab.aegean.gr/kotis/Ontologies/Meso/Meso.owl#>

SELECT (COUNT(?x) AS ?numOfSensors)

WHERE {:IoTmuseumPlatfromLG sosa:hosts ?x}

* **Which rooms have been visited by Visitor01?**

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

PREFIX owl: <http://www.w3.org/2002/07/owl#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

PREFIX geonames: <http://www.geonames.org/ontology#>

PREFIX sosa:<http://www.w3.org/ns/sosa/>

PREFIX :<http://i-lab.aegean.gr/kotis/Ontologies/Meso/Meso.owl#>

SELECT ?x

WHERE { :Visitor01 :visits ?x}

* **How many temperature measurements have been made in UoAMuseumRoomA1 between 09.00 and 17.00 on 07/12/2020?**

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

PREFIX owl: <http://www.w3.org/2002/07/owl#>

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

PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>

PREFIX geonames: <http://www.geonames.org/ontology#>

PREFIX sosa:<http://www.w3.org/ns/sosa/>

PREFIX :<http://i-lab.aegean.gr/kotis/Ontologies/Meso/Meso.owl#>

SELECT ?Observations

WHERE {

?Observations sosa:hasFeatureOfInterest :UoAMuseumRoomA1.

?Observations sosa:resultTime ?resultTime

FILTER(?resultTime>="2020-12-07T09:00:12Z"^^xsd:dateTime && ?resultTime <="2020-12-07T17:00:12Z"^^xsd:dateTime).

}

The Module Core represents the knowledge related to the trustworthy IoT entities and energy saving