

Web Sem

- Toutes les photos d'une personne spécifique

```
SELECT ?picture
WHERE {
    ?picture a ex:Picture;
             ex:subject ex:Manuel_Atencia.
}
```

- Toutes les photos avec des personnes

```
SELECT ?picture
WHERE {
    ?picture a ex:Picture;
             ex:subject ?s;
}
```

- Toutes les photos sans personnes

```
SELECT ?picture
WHERE {
    ?picture a ex:Picture;
    FILTER NOT EXISTS{?picture ex:subject ?s}
}
```

- Toutes les photos avec des gens qui sont amis

```
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
SELECT DISTINCT ?picture
WHERE {
    ?picture a ex:Picture;
             ex:subject ?person;
             ex:subject ?personFriend.

    ?person a ?personType.
    ?personFriend a ?personType.
    ?personType rdfs:subClassOf ex:Person.

    ?person <https://example.com/ontology#friend> ?personFriend.
    ?personFriend <https://example.com/ontology#friend> ?person.
}
```

- Toutes les photos avec des gens qui sont amis d'une personne

```
SELECT DISTINCT ?picture
WHERE {
    ?picture a ex:Picture;
            ex:subject ?person.

    ?person a ?personType.
    ?personType rdfs:subClassOf ex:Person.

    ?person <https://example.com/ontology#friend> ex:Sadok_Ben_Fredj.
}
```

- Toutes les photos d'un évènement précis

```
SELECT DISTINCT ?picture ?event
WHERE {
    ?picture a ex:Picture;
            ex:event ex:TripBarcelone.
}
```

- Toutes les photos d'un festival

```
SELECT DISTINCT ?picture
WHERE {
    ?picture a ex:Picture;
            ex:event ?event.

    ?event a ex:Festival
}
```

- Toutes les photos d'un événement culturel

```
SELECT DISTINCT ?picture
WHERE {
    ?picture a ex:Picture;
            ex:event ?event.

    ?event a ?eventType.
    ?eventType rdfs:subClassOf ex:Cultural_Event.
}
```

- Toutes les photos d'un festival où un artiste particulier joue

```

SELECT DISTINCT ?event
WHERE {
  ?picture a ex:Picture;
           ex:event ?event.

  {?event a ex:Festival}UNION{?event a ex:Music_Event}
  ?event ex:featuredArtist ex:Bob_Dylan
}

```

- Toutes les photos de personnes travaillant dans une entreprise particulière

```

SELECT DISTINCT ?picture
WHERE {
  ?picture a ex:Picture;
           ex:subject ?person.

  ?person <https://example.com/ontology#job> ?job.

  ?job ex:company ex:UGA.
}

```

- Toutes les photos avec des animaux

```

SELECT DISTINCT ?picture
WHERE {
  ?picture a ex:Picture;
           ex:what ?animal.

  ?animal a ?animalType.
  ?animalType rdfs:subClassOf ex:Animal
}

```

- Toutes les photos d'un animal de quelqu'un en particulier

```

SELECT DISTINCT ?picture
WHERE {
  ?person a ?personType.
  ?personType rdfs:subClassOf ex:Person.

  ?animal a ?animalType.
  ?animalType rdfs:subClassOf ex:Animal.

  ?person ex:pet ?animal.

  ex:Manuel_Atencia ex:pet ?animal.

  ?picture a ex:Picture;
           ex:what ?animal.
}

```

- Toutes les photos avec des enfants

```

SELECT DISTINCT ?picture
WHERE {
  ?picture a ex:Picture;
           ex:subject ?child.

  ?child ex:birthday ?birthday.

  FILTER (
    (((DAY(?birthday) - DAY(NOW())) * 24)) < 157680) && (YEAR(NOW())-
    YEAR(?birthday)<18)
  )
}

```

- Toutes les photos avec des adultes uniquement

```

SELECT DISTINCT ?picture
WHERE {
  ?picture a ex:Picture;
  ex:subject ?child.
  ?child ex:birthday ?birthday.
  FILTER (
    (((DAY(?birthday) - DAY(NOW())) * 24)) < 157680) && (YEAR(NOW())-
    YEAR(?birthday)>=18)
  )
}

```

- Toutes les photos prises dans une certaine période de temps

```

SELECT DISTINCT ?picture ?when
WHERE {
  ?picture a ex:Picture;
           ex:when ?when.

  FILTER (?when > "2019-01-01T00:00:00"^^xsd:dateTime)
  FILTER (?when < "2019-12-31T23:59:59"^^xsd:dateTime)
}

```

- Tous les selfies (avec d'autres personnes en plus)

```

SELECT DISTINCT ?picture ?when
WHERE {
  ?picture a ex:Picture;
           ex:subject ?subject;
           ex:creator ?subject;
}

```

- ```

SELECT DISTINCT ?picture
WHERE {
 ?picture a ex:Picture;
 ex:subject ?person;
 ex:subject ?colleague.

 ?person <https://example.com/ontology#job> ?personJob.
 ?colleague <https://example.com/ontology#job> ?colleagueJob.

 ?personJob ex:colleague ?colleague.
}

```

- Toutes les photos prises dans une entreprise

```

SELECT DISTINCT ?picture
WHERE {
 ?picture a ex:Picture;
 ex:where ?officeLocation.

 ?company a ex:Company;
 ex:officeLocation ?officeLocation.
}

```

- Toutes les photos de collègues prises dans leur entreprise

```

SELECT DISTINCT ?picture
WHERE {
 ?picture a ex:Picture;
 ex:subject ?person;
 ex:subject ?colleague;
 ex:where ?officeLocation.

 ?person <https://example.com/ontology#job> ?personJob.
 ?colleague <https://example.com/ontology#job> ?colleagueJob.
 ?personJob ex:colleague ?colleague.

 ?personJob ex:company ?personCompany.
 ?personCompany ex:officeLocation ?officeLocation.
}

```

- Toutes les photos prises dans un pays

```

SELECT DISTINCT ?picture ?place ?region ?country
WHERE {
 ?picture ex:where ?place.

 ?place a ?placeType.
 {?placeType rdfs:subClassOf ex:Place}UNION{?place a ex:Place}

 {
 #The place is located in a city
 ?place ex:city ?city.
 ?city ex:region ?region.
 ?region ex:country ?country.
 }UNION{
 #The place is located in a region (ex: city or geographical zone)
 ?place ex:region ?region.
 ?region ex:country ?country.
 }UNION{
 #The place is a region
 ?place ex:country ?country
 }

 FILTER (?country = ex:France)
}

```

- Toutes les photos prises dans un pays où on parle une certaine langue

```

SELECT DISTINCT ?picture
WHERE {
 picture a ex:Picture;
 ex:where ?place.

 ?place a ?placeType.
 {?placeType rdfs:subClassOf ex:Place}UNION{?place a ex:Place}

 {
 #The place is located in a city
 ?place ex:city ?city.
 ?city ex:region ?region.
 ?region ex:country ?country.
 }UNION{
 #The place is located in a region (ex: city or geographical zone)
 ?place ex:region ?region.
 ?region ex:country ?country.
 }UNION{
 #The place is a region
 ?place ex:country ?country
 }

 ?country ex:placeName ?countryName.

SERVICE <http://dbpedia.org/sparql> {
 #Retrieve the country
 ?dbCountry a <http://schema.org/Country>.
 ?dbCountry rdfs:label ?dbCountryName.
 FILTER(?dbCountryName = ?countryName).

 #Retrieve the language
 ?dbCountry dbo:language ?dbLanguage.
 ?dbLanguage rdfs:label ?dbLanguageLabel.
 FILTER(STR(?dbLanguageLabel) = "Français")
}
}

```