



GROUP 4
FERREIRO DE AGUIAR, RICARDO
MOYANO ALCACER, AARON
MUÑOZ DÁVILA, RAÚL
RAPOSO POZUELO, ADRIÁN
SÁNCHEZ BELLA, LUCÍA



01	Dataset
02	Ontology
03	RDF Generation
04	Data Linking and Publishing
05	Vocabularies for Linked Data
06	App

DATASETS



Charging Points

- 125 instances
- 19 variables



Parkings

- 66 instances
- 30 variables

OpenRefine

Argüelles

Arguelles

Argüelles

Argüelles

FAX

91456879

Unification of names

"Retiro" → "Retiro"

Removal of columns

"123" →

Trimming

Correction of datatypes

123

				•		•
Ch	ar	a	אר	rig	STI	
	GI	U (<i>,</i> <i>,</i>		

50 kW 2 conectores CC (CCS/Chademo) y 1 conector AC modo 2 Mennekes

NEquip	Mennekes	CHAdeMO
1	2	2

• •

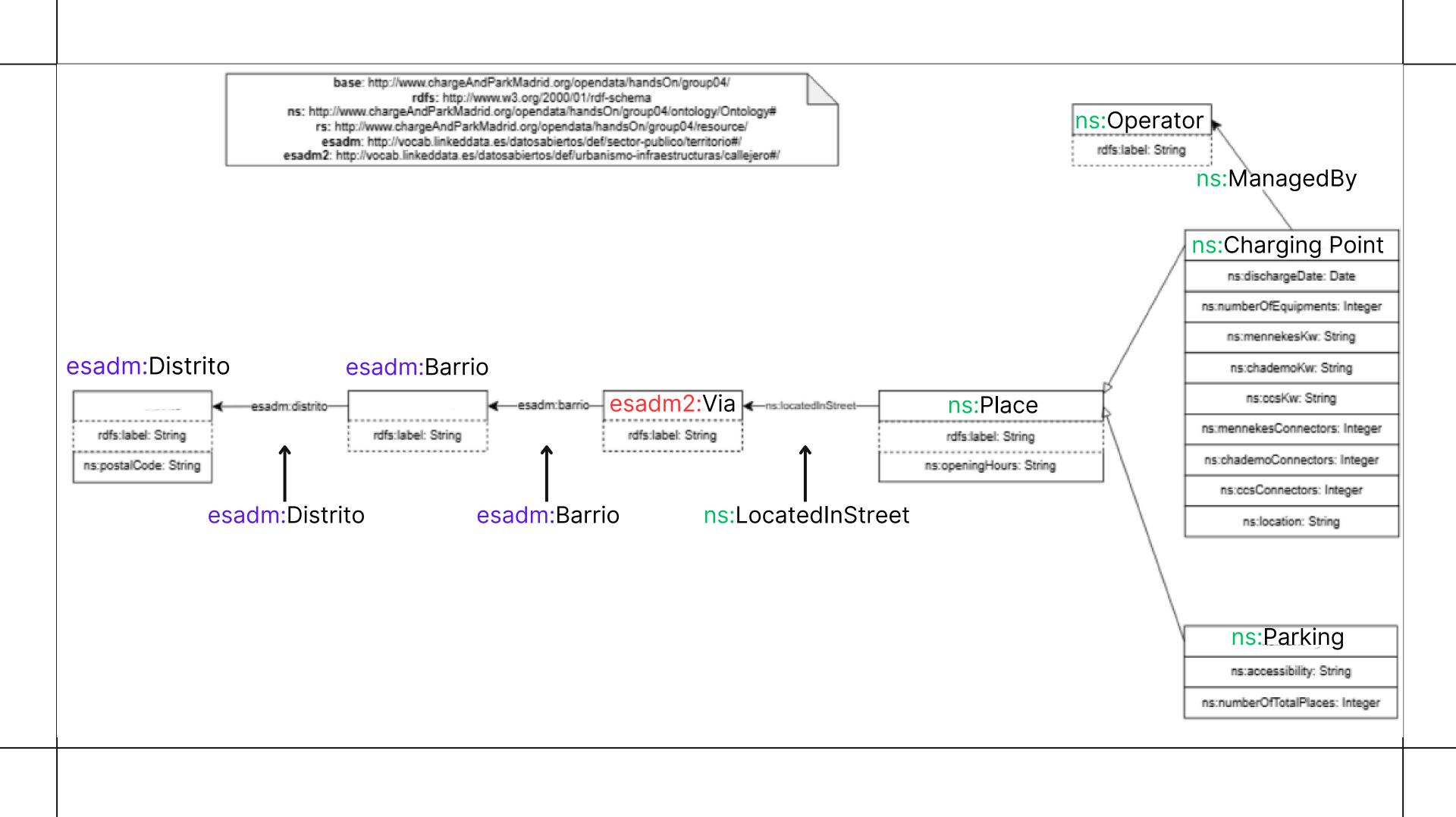
Separation of columns

Neighborhood
Las Águilas

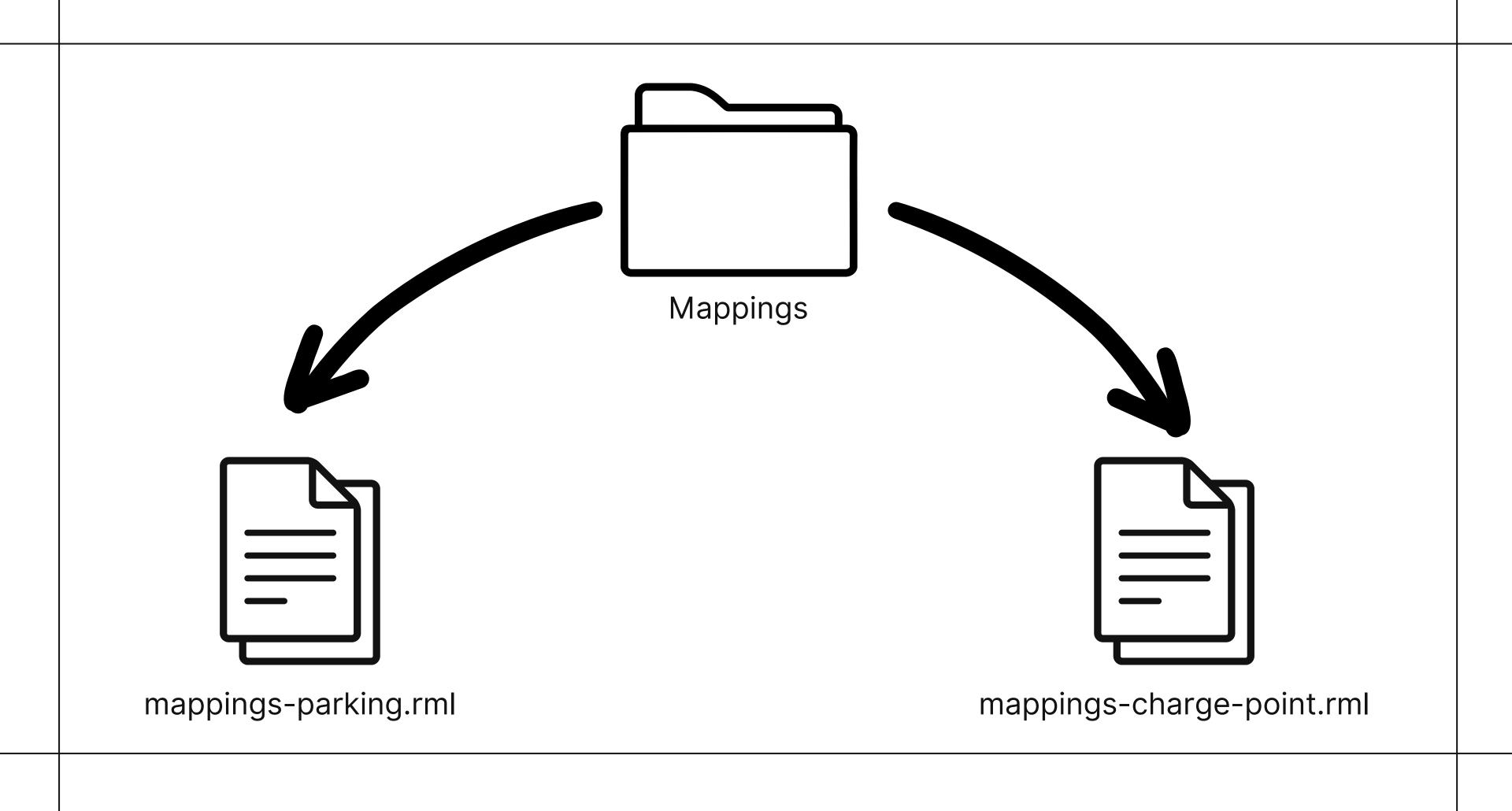
Neighborhood ID
Las Aguilas

Creation of IDs

ONTOLOGY



RDF GENERATION





mappings-parking.rml

```
<#Parking> a rr:TriplesMap;
  rml:logicalSource [
    rml:source "../csv/aparcamientos-publicos-updated.csv";
   rml:referenceFormulation ql:CSV
 ];
  rr:subjectMap [
   rr:template "http://www.chargeAndParkMadrid.org/opendata/handsOn/group04/resource/parking/{PK}";
   rr:class vocab:Parking;
   rr:termType rr:IRI;
 ];
  rr:predicateObjectMap [
   rr:predicate rdf:label;
   rr:objectMap [
     rml:reference "NOMBRE";
     rr:termType rr:Literal;
     rr:datatype xsd:string
```

Example

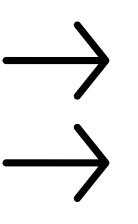
Morph-KGC dataset.ttl dataset.nt queries.py queries.sparql

DATA LINKING & PUBLISHING

OpenRefine

Neighborhood

District





Neighborhood	Wikidata Entity
Argüelles	https://wikidata.org/entity/Q64874

District	Wikidata Entity
Tetuán	https://wikidata.org/entity/Q64874

Helio

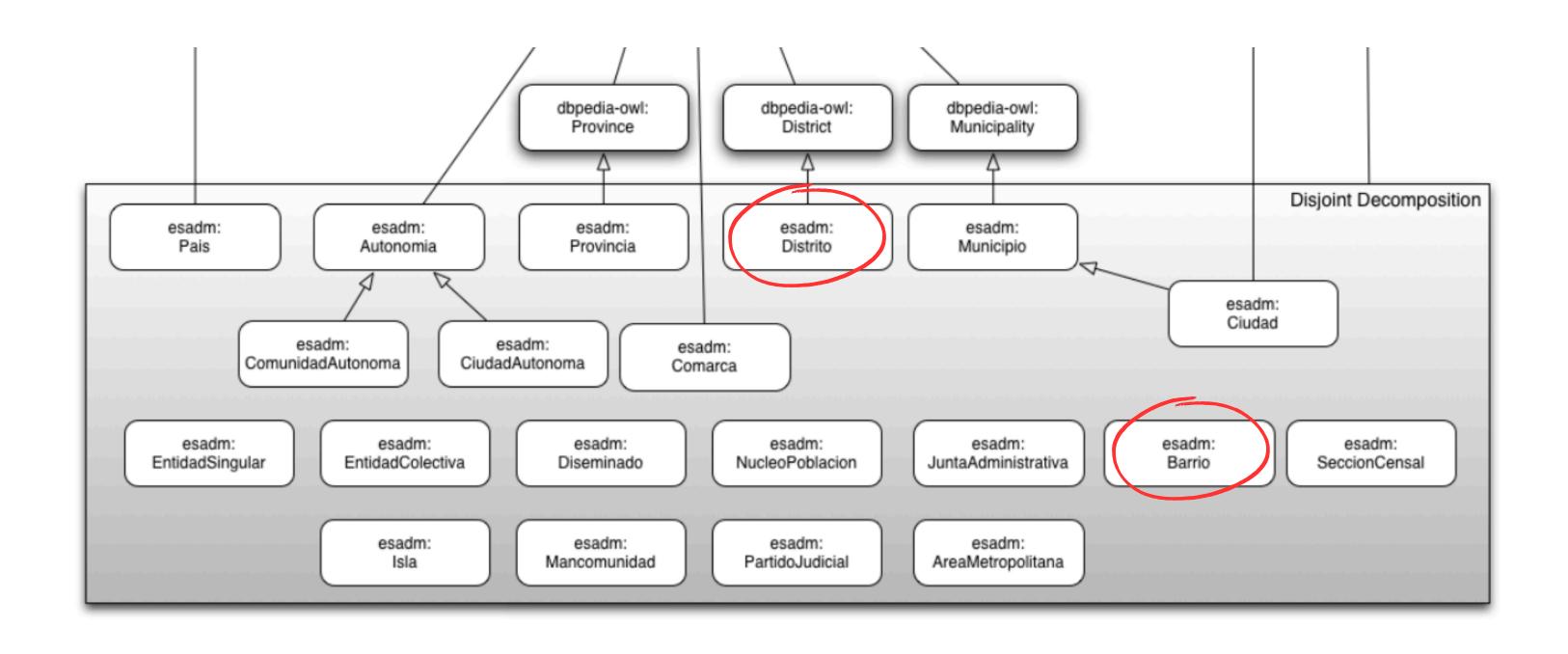
Link:https://raw.githubusercontent.com/FacultadInformatica-LinkedData...

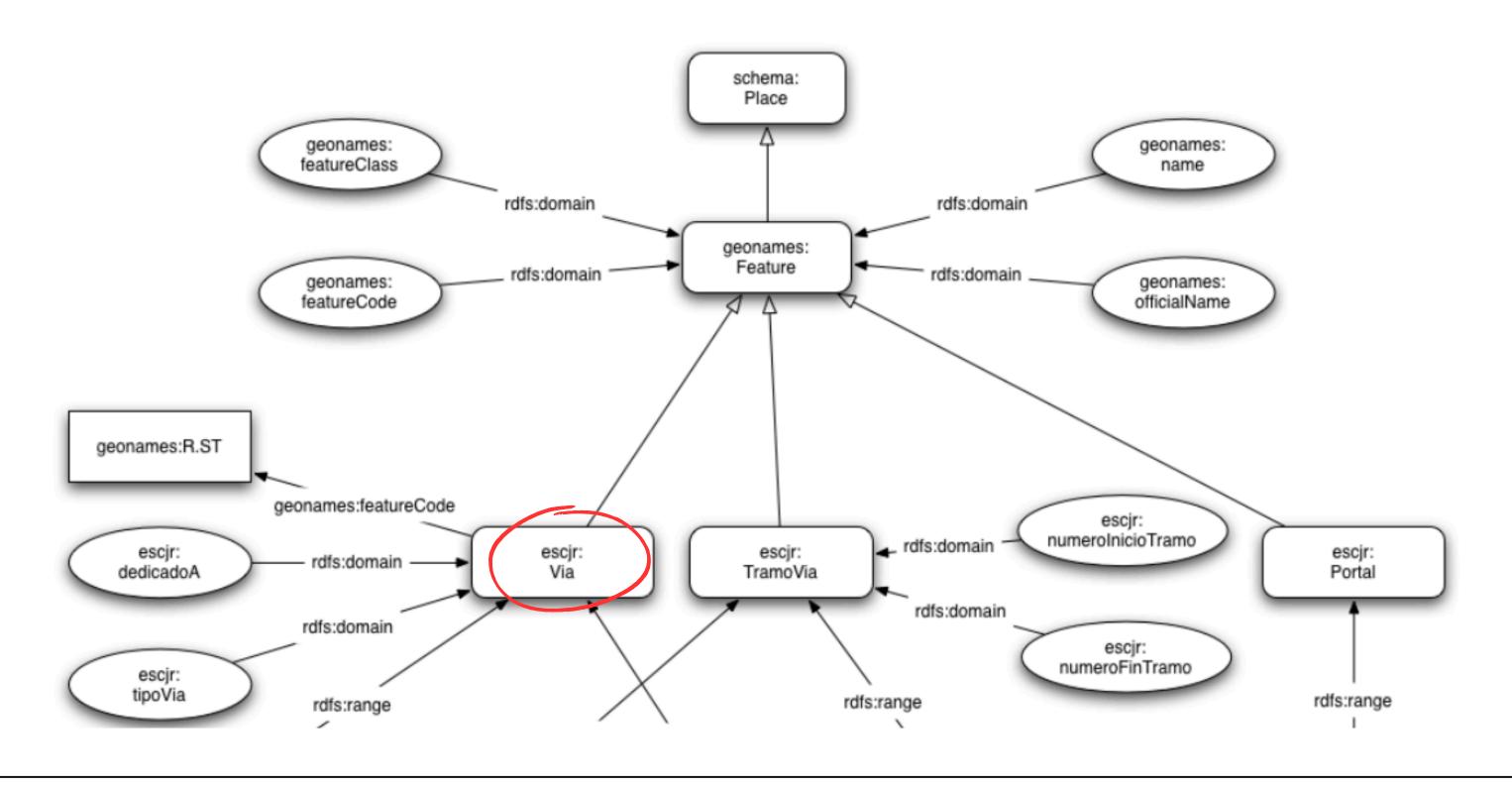




VOCABULARIES

@prefix esadm: http://vocab.linkeddata.es/datosabiertos/def/sector-publico/territorio#/>...





APP DEMO