

Female scientists in Catalan streets and schools

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Wikidata + OpenStreetMap

- Wikidata is a Knowledge Graph that answers "Where is this?"
- OSM is a geographical database that answers "What is here?"
- They are interwinkled: osm.wikidata.link tool

WD and OSM

- WD: instance of (P31) street or educational center
 - Eponym: named after someone (P138)
- OSM tags: amenity=school / highway=*
 - Eponym: name:etymology:wikidata=Qxyz

Importing in WD, mapping in OSM

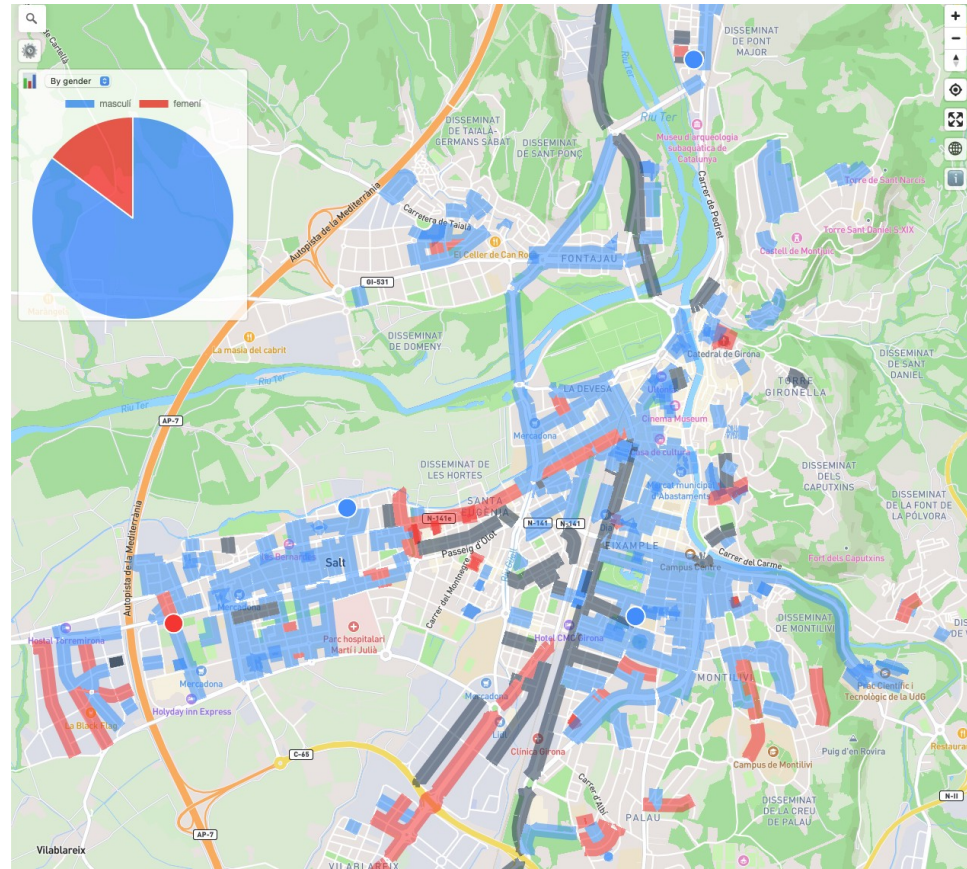
- Open Data: regional governments
- Availability in Catalonia:
 - complete list of streets
 - complete list of schools
- But...
- WD has almost no streets
- WD may have schools (Catalonia, València: complete)
- OSM: all streets, but incomplete collection of schools

How are items and eponyms entered in WD and OSM?

- Streets:
 - WD: not applicable yet; OSM: already there
 - Eponyms: WD: n/a; OSM: via Python program and OSM APIs.
- Schools:
 - WD: Openrefine; OSM: manually (either nodes or ways)
 - Eponyms: WD: OpenRefine; OSM: via Python program and OSM APIs

A nice tool there: Open Etymology Map

- Displays streets having etymology, assigning color to type of eponym: name, place, other.
- <https://etymology.dsantini.it>





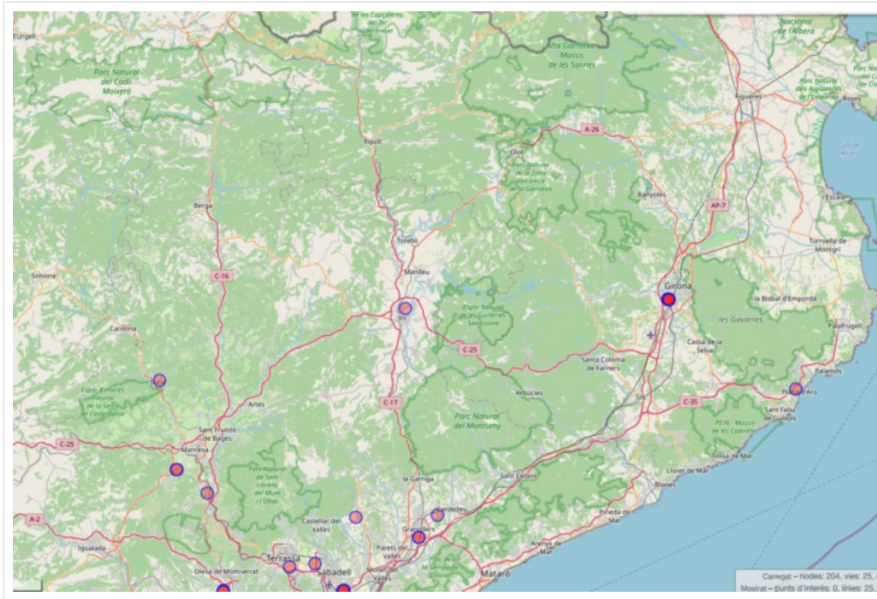
1600 Male names – only 70 STEM

150 Female names – few STEM

- Marie Sklodowska Curie **28**

- Martina Castells **5**

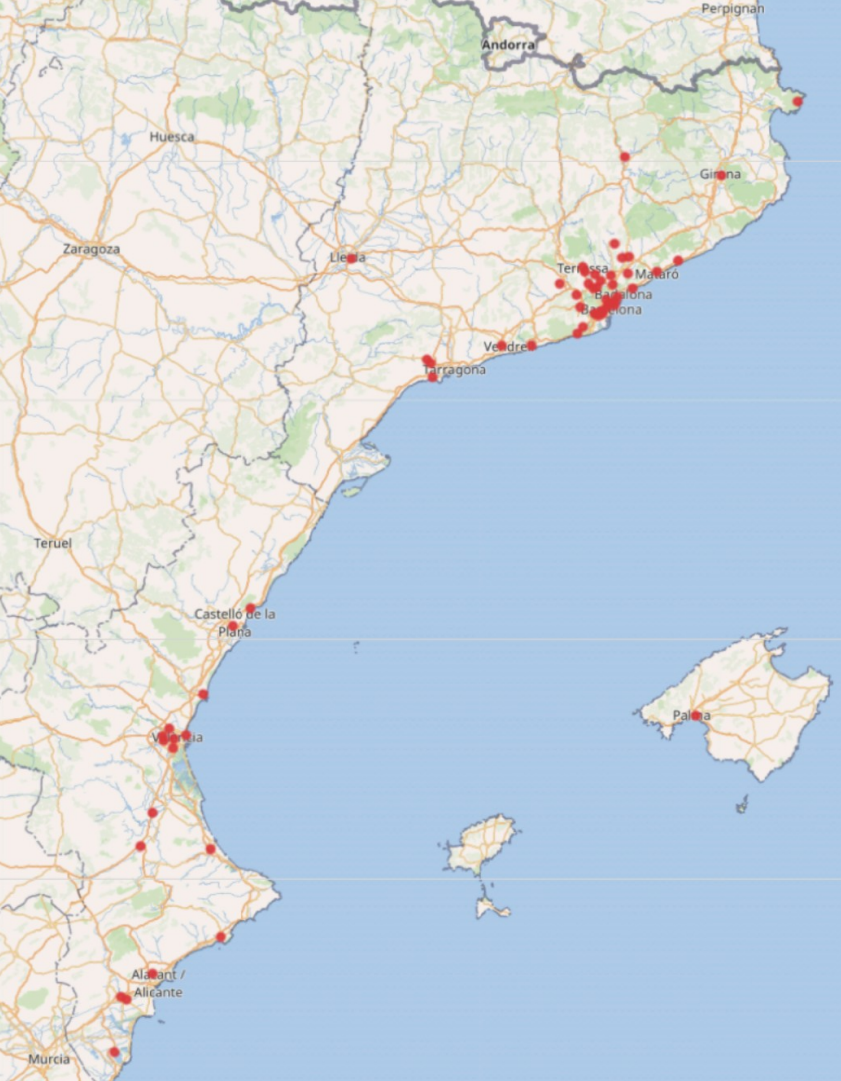
Scientists and street names in Catalonia



Carrers de Marie Curie



Carrers d'Alexander Fleming



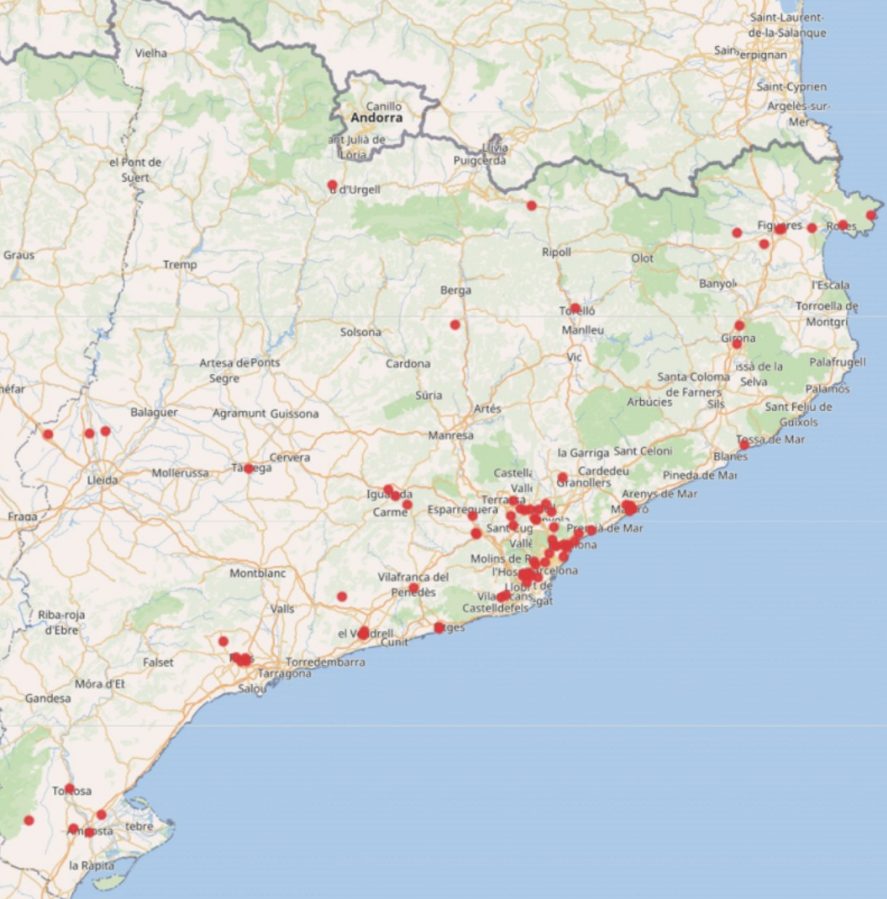
Schools

699 (cat) + 340 (PV) + 68 (IB)

265 + 146 + 28 Person name

61 Female name

15 NO Wikipedia data



Schools

1634 Primary Schools

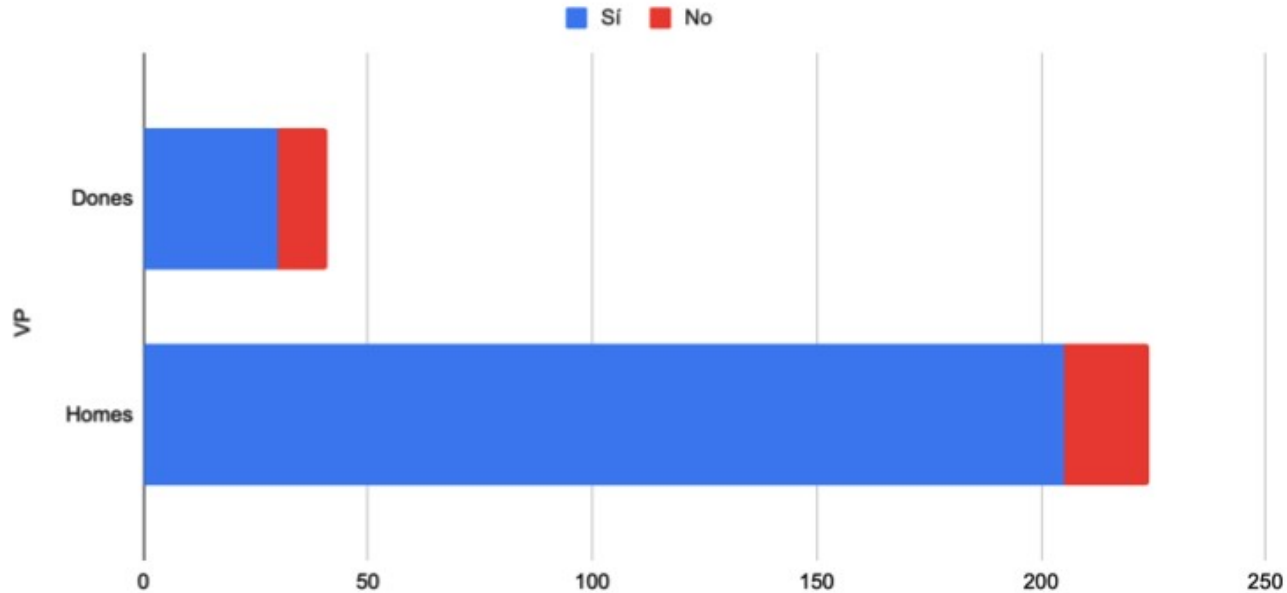
587 Person Name (36%)

80 Female name (14%)

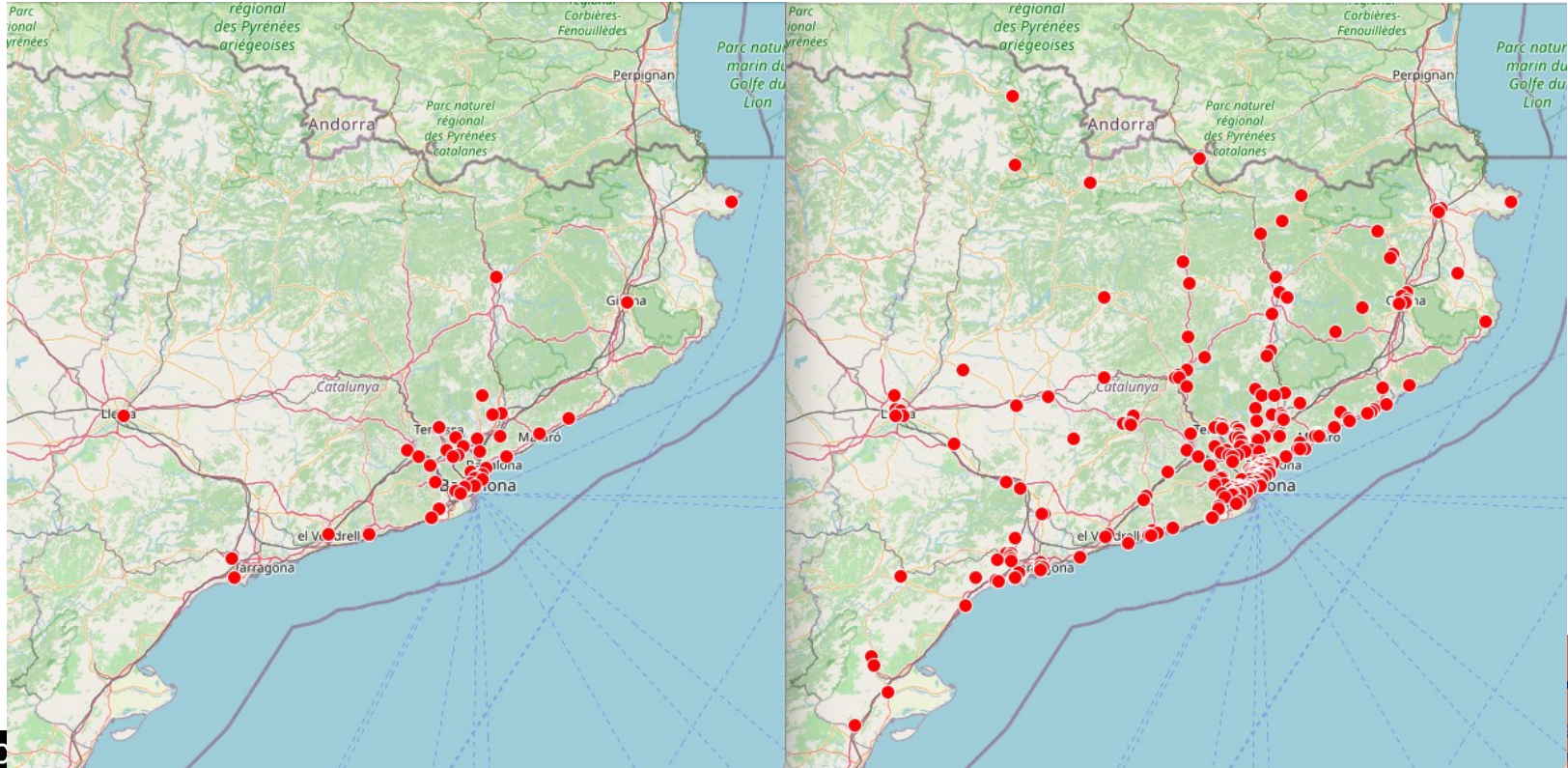
30 No Wikipedia data(38%)

High school eponyms and Wikipedia

Dones i Homes als noms dels Instituts de Catalunya: Presència a la Viquipèdia



High schools with female eponym in Catalonia



Female eponym fact

- Only 14% of high school eponyms in Catalan-speaking areas are female

	Total	Total amb epònim	% epònims	Epònim masc	Epònim fem	% ep femen	Manquen fem a vp	%manquem fem vp
Instituts Cat	699	265	38%	224	41	15%	11	27%
IES PV	340	146	43%	128	18	12%	4	22%
IES IB	68	28	41%	26	2	7%	0	0%
Esc Cat								
Prov Girona	232	81	35%	70	11	14%	3	27%
Prov Lleida	219	62	28%	57	5	8%	4	80%
Prov TGN	244	84	34%	61	13	15%	6	46%
Prov BCN	939	360	38%	309	51	14%	17	33%
Total Cat	1634	587	36%	507	80	14%	30	38%

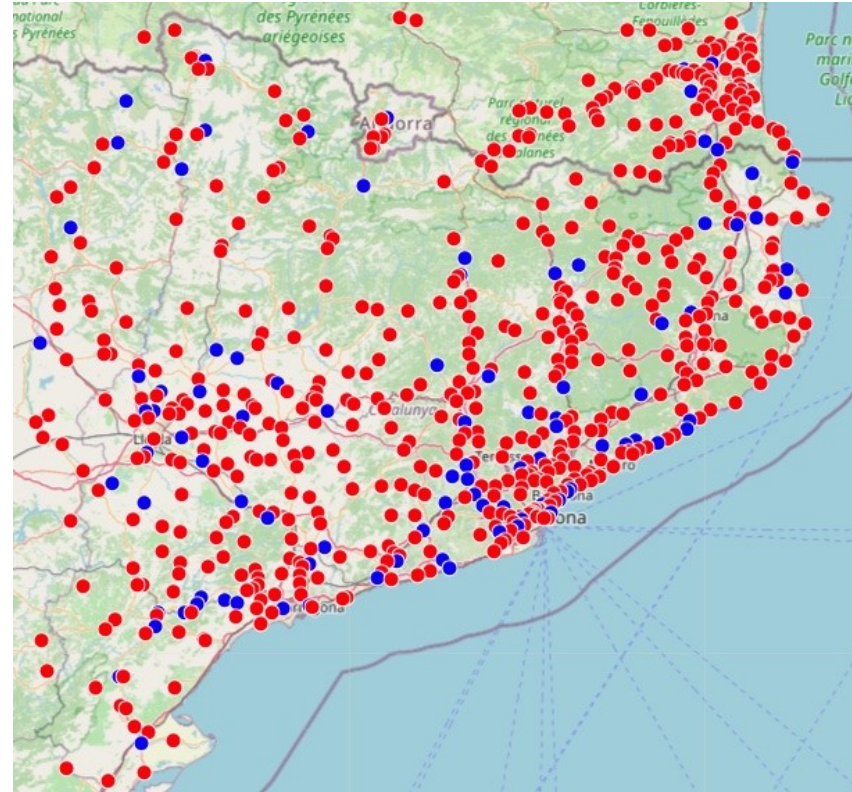
Academic study in Nature Group journal: Notability

Laouenan et al, A cross-verified database of notable people, 3500BC-2018AD, Scientific Data 9, 290 (2022)

Viewer:

<https://tjukanovt.github.io/notable-people>

Figure: Places where man is the most notable person (red) vs woman (blue)



More on notability

- Only 197 places in Catalonia has notable scientists (177 men, 45 women)
- Scientists have a hard time to be notable
- Women have a much harder time to be notable
- 71 men and 12 women are the MOST notable in Catalan places

Contributions

- <https://c4dudg.wordpress.com/category/wikisciw/>
- Social networks: #WikiSciW
- Communications to meetings
- Round tables, Wikimedia editathons, etc.

What's next?

- Higher education (this is really tough)
- Archives, Libraries, Museums, civic centers, etc.
- Sports, Health facilities
- Gender studies of researcher presence in WD
- Areas
 - In Catalan-speaking area
 - Outside Catalan-speaking area
- See https://ca.wikipedia.org/wiki/Viquiprojecte:Més_dones
- See #WikiSciW at c4d.udg.edu

#WikiSciW

Thank you!



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#WikiSciW



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