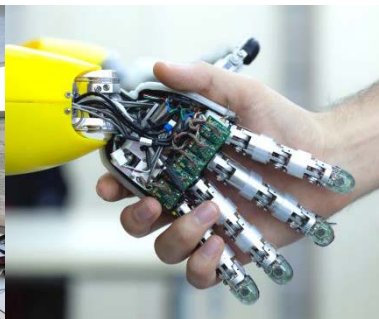
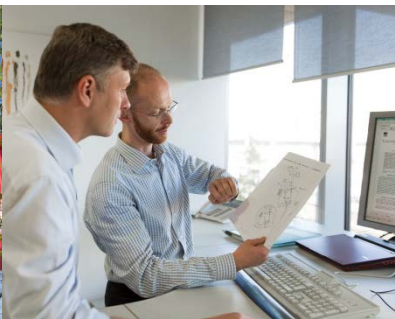




Europäisches
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European
Patent Office
Office européen
des brevets

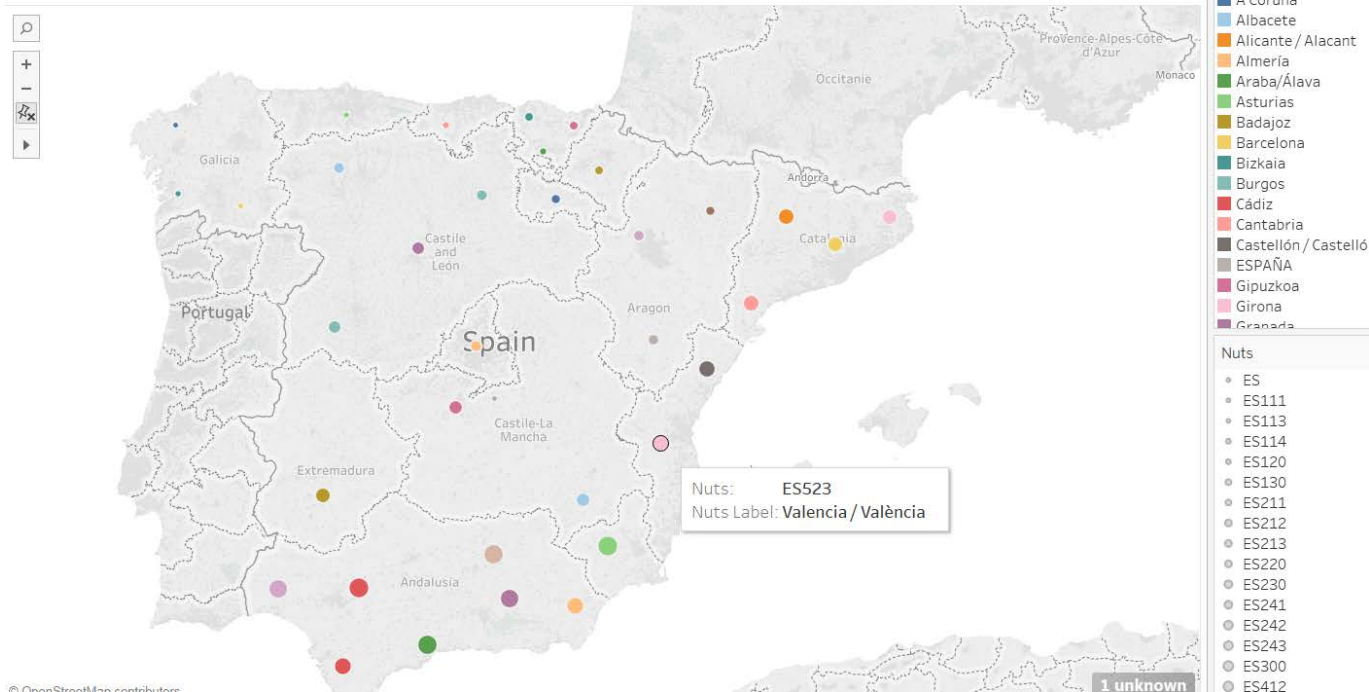
Report on geo-tagging project & PATSTAT Power User Workshop



Why geo-tagging ?

- Regional analysis – placing applicants on the map


Sheet 1



Why geo-tagging ?

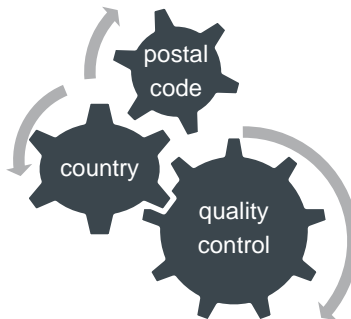
■ Currently in PATSTAT: NUTS codes (table tls906_person)

person_id	person_name	person_address	person_etry_code	nuts	nuts_level
659253	ASAC Compania de Biotecnologia E Investigacion, S.A.	Sagitario, 14,03006 Alicante	ES	ES521	3
78894	Universidad Miguel Hernandez de Elche	Edificio Hélike, Avda. de la Universidad,03202 Elche (Alicante)	ES	ES521	3
3274268	MICROLITE, S.L.	Partida Del Bosch S/N,E-03330 Crevillente (Alicante)	ES	ES521	3
873317	Especialidades Farmaceuticas Centrum, S.A.	Sagitario no. 14, 03006 Alicante	ES	ES521	3
56064	Consejo Superior de Investigaciones Cientificas	Serrano, 117, 28006 Madrid	ES	ES300	3
53352016	Airbus Operations, S.L.	Avenida John Lennon s/nº,28906 Getafe (Madrid)	ES	ES300	3
222243	REPSOL QUIMICA S.A.	Paseo de la Castellana 278-280,E-28046 Madrid	ES	ES300	3
5554429	Laboratorios Del Dr. Esteve, S.A.	Barcelona	ES	ES	0
122924	LABORATORIOS DEL DR. ESTEVE, S.A.	Av. Mare de Déu de Montserrat, 221, 08041 Barcelona	ES	ES511	3

 <http://ec.europa.eu/eurostat/tercet/flatfiles.do>

[pc2016_es_NUTS-2013_v2.3.zip](#)

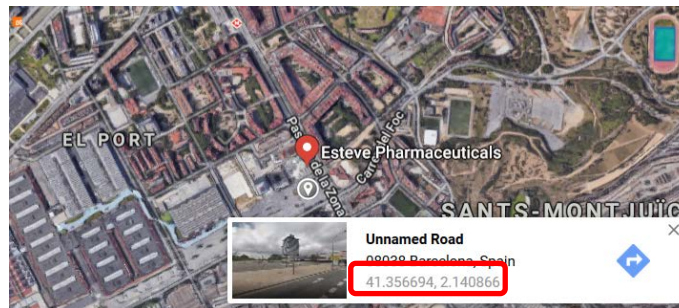
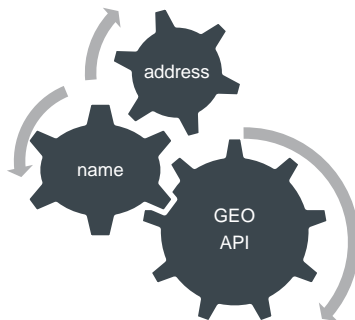
Postal codes for ES, 2013



Why geo-tagging ?

■ Furture (?) in PATSTAT: NUTS codes (table tls906_person)

person_id	person_name	person_address	person_etry_code	nuts	nuts_level
659253	ASAC Compania de Biotecnologia E Investigacion, S.A.	Sagitario, 14,03006 Alicante	ES	ES521	3
78894	Universidad Miguel Hernandez de Elche	Edificio Hélike, Avda. de la Universidad,03202 Elche (Alicante)	ES	ES521	3
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53352016	Airbus Operations, S.L.	Avenida John Lennon s/nº,28906 Getafe (Madrid)	ES	ES300	3
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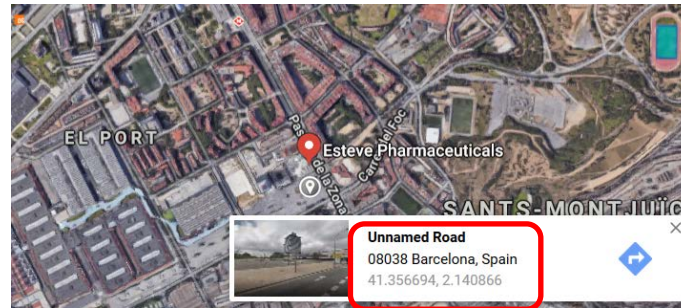
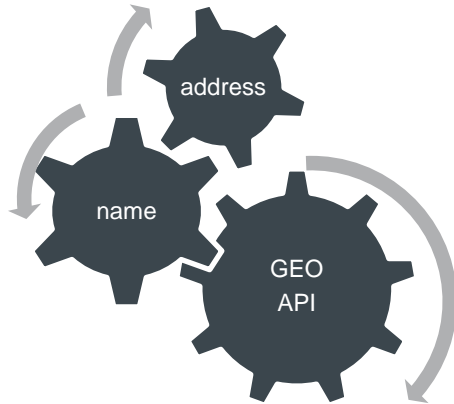


PROBLEM

- Open source GEO tagging API

→ Google : NO

→ ARCGIS: WAITING



Other regionalisation bold-on: OECD - REGPAT

PATENT APPLICATIONS TO THE EPO

Source: PATSTAT, Autumn 2017

EPO_APP_REG		3,441,227 rows
List of EPO applicants		
App_nbr	EPO application number (13 character format "EPYYYYNNNNNNN")	
Appln_id ¹	Surrogate key - applications in PATSTAT, Autumn 2017	
Pub_nbr	EPO patent publication number	
Person_id	Surrogate key - person identifier in PATSTAT, Autumn 2017	
App_name	Applicant's name	
Address	Address	
Reg_code	NUTS3/TL3 region code	
Ctry_code	ISO 2 country code	
Reg_share ²	Multiple allocation to a region - Share ≤ 1	
App_share ³	Applicant's share ≤ 1	

EPO_INV_REG		8,231,006 rows
List of EPO inventors		
App_nbr	EPO application number (13 character format "EPYYYYNNNNNNN")	
Appln_id ¹	Surrogate key - applications in PATSTAT, Autumn 2017	
Pub_nbr	EPO patent publication number	
Person_id	Surrogate key - person identifier in PATSTAT, Autumn 2017	
Inv_name	Inventor's name	
Address	Address	
Reg_code	NUTS3/TL3 region code	
Ctry_code	ISO 2 country code	
Reg_share ²	Multiple allocation to a region - Share ≤ 1	
Inv_share ³	Inventor's share ≤ 1	

PCT-EPO Correspondance

EPO_PCT		1,586,335 rows
PCT applications entering EPO regional phase		
App_nbr	EPO application number	
PCT_nbr	PCT Publication Number	

REGION CODES

REGPAT_REGIONS		Description of regional codes
Ctry_Code	Country Code (ISO 2 characters)	
Reg_Code	NUTS3 level code; TL3; or equivalent	
Reg_Label	Micro-level region's name	
Up_Level_Code	NUTS2 level code; TL2	
Up_Level_Label	Macro-level region's name	

REGPAT_REGIONS_US		County level concordance
Ctry_Code	Country Code (ISO 2 characters)	
Reg_Code	County level	
Reg_tl3	TL3 level code	
Reg_tl3_label	TL3 level's region name	

PATENT APPLICATIONS FILED UNDER THE PCT

Source: OECD, Patent database, November 2017 update

PCT_APP_REG		3,435,483 rows
List of PCT applicants		
PCT_Nbr	PCT Publication Number ("WOYYYYNNNNNN")	
PCT_App	PCT Application Number ("CCYYYYNNNNNN")	
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App_name	Applicant's name	
Address	Address	
Reg_code	NUTS3/TL3 region code	
Ctry_code	ISO 2 country code	
Reg_share ²	Multiple allocation to a region - Share ≤ 1	
App_share ³	Applicant's share ≤ 1	

PCT_INV_REG		8,275,210 rows
List of PCT inventors		
PCT_nbr	PCT Publication Number	
PCT_App	PCT Application Number	
Appln_id ¹	Surrogate key - applications in PATSTAT, Autumn 2017	
Inv_name	Inventor's name	
Address	Address	
Reg_code	NUTS3/TL3 region code	
Ctry_code	ISO 2 country code	
Reg_share ²	Multiple allocation to a region - Share ≤ 1	
Inv_share ³	Inventor's share ≤ 1	