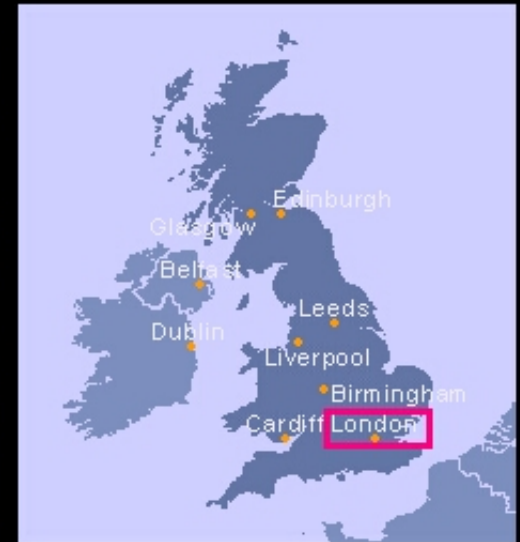
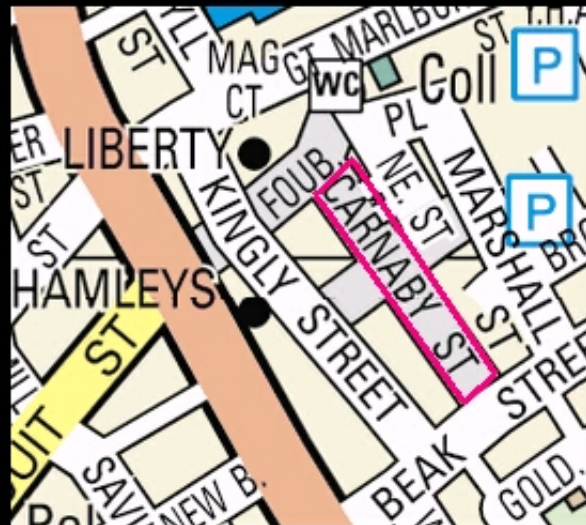
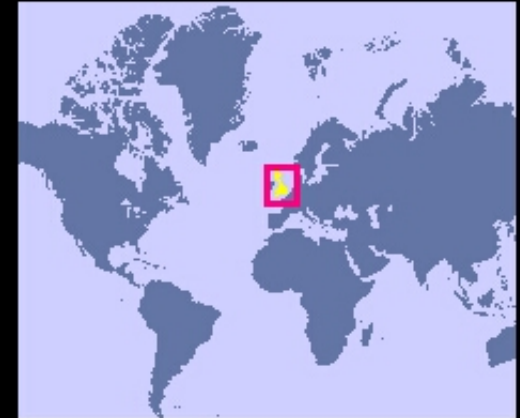


Persistence and Scale in Historical Gazetteers

MATCHES FOR CARNABY STREET CARNABY STREET

- 1 [Carnaby Street, W1, HOLBORN](#)
- 2 [Carnaby Street, W1, LONDON](#)
- 3 [Carnaby Street, M9, HARPURHEY](#)
- 4 [Carnaby Street, M9, MANCHESTER](#)



what is a gazetteer?

SYSTON, a par. and small town in the hund. of East Goscote, co. Leicester, $4\frac{1}{2}$ miles N.E. of Leicester, its post town, and 5 S.E. of Barrow-on-Soar. It is a station on the Midland Counties railway. The village is situated on the ancient Fosse Way and Grand Junction canal, near the junction of the Soar and Wreak navigations.

index of records defining tangible or abstract geographic features

- > one or more names
- > feature types / classes
- > locations / footprints
- > unique identifier
- > relationships
- > time periods
- > supplemental information

Feature Name: Syston - United Kingdom
Feature Class:
populated places from *ADL Feature Type Thesaurus*
Spatial Reference: **Geometry Type:** Point
Long: -1.0667 Lat: 52.6833
Identification Code: adlgaz-1-4179371-17
Related Information: **Related Entity:**
part of: United Kingdom

Footprints:



ideal scenario:

- > gazetteer entries serve as georeferences to footprints
- > footprints relate to intelligible named features
- > intermediary geographic references are persistent

attributes of placenames:

- > official names / variants
 - (Los Angeles / L.A.)
 - (Köln / Cologne)
- > endonyms / exonyms
 - (London / Londres)
 - (Beijing / Peking)
 - (Qomulangma / Everest)
- > metonyms (synonyms)
 - (Chicago / Windy City / Second City)
- > vernacular pronunciations
 - (Emei / Omei)
 - (Peking / pa'k gyan)
- > vernacular scripts
 - (北京 / Beijing)
 - (珠穆朗玛 / Qomulangma)

Feature Name:

Display name:

Koln - Germany

Geographic name:

Koln

Variant names:

Cologne

Colonia Agrippinensis

Colonia Agrippina

Koeln

Coln

Augusta Ubiorum

Feature Name:

Display name:

Everest, Mount - China

Geographic name:

Everest, Mount

Variant names:

Sagarmatha

Sagar-Matha

Qomolangma Feng

Lapchi-kang

Jolmo Lungma, Mount

Everest

Djomo-lungma

Chomolongma

Chomo-lungma

Ai-fo-lo-ssu Feng

Sheng-mu Feng

ideal scenario:

DISPLAY NAME > Qomulangma [chi] *exo*

ALTERNATE NAME > Jomo glangma [tib] *endo*

ALTERNATE NAME > Everest [eng] *exo*

ALTERNATE NAME > Sagarmatha [san] *exo*

excessive (though perhaps necessary) scenario:

<i>name</i>	<i>primary</i>	<i>variant</i>	<i>endo-exo</i>	<i>synonym</i>	<i>language</i>	<i>vernac</i>	<i>encoding</i>	<i>rom-system</i>
Beijing	Y	N	endo	N	chi	N	ascii	Pinyin
北京	N	N	endo	N	chi	Y	utf-8	
Peking	N	Y	exo	N	eng	N	ascii	Non-Standard
Pekin	N	Y	exo	N	fre	N	ascii	Non-Standard
Pei-p'ing	N	Y	endo	N	chi	N	ascii	Wade-Giles

- persistence -

are we dealing with one entity that changes over time?
or a sequence of discrete historical instances?

relate unique instances to one another, creating a sequence

<i>name</i>	<i>vern</i>	<i>beg-year</i>	<i>end-year</i>	<i>relation</i>	<i>primary</i>	<i>lang</i>	<i>rom-system</i>	<i>id</i>	<i>prec id</i>	<i>sub id</i>
Nanjing	南京	938	1152	Liao	Y	chi	Pinyin	1	1	2
Zhongdu	中都	1153	1215	Jin	Y	chi	Pinyin	2	2	3
Dadu	大都	1267	1402	Yuan	Y	chi	Pinyin	3	3	6
Khanbalik		1267	1402	Yuan	N	mon	Non-standard	4	6	8
Cambaluc		1267	1402	Yuan	N	ita	Non-standard	5	8	9
Beijing	北京	1403	1420	Ming	Y	chi	Pinyin	6	9	10
Jingshi	京師	1421	1644	Ming	N	chi	Pinyin	7	10	11
Shuntianfu	順天府	1421	1644	Ming	Y	chi	Pinyin	8		
Beijing	北京	1644	1928	Qing	Y	chi	Pinyin	9		
Pei-p'ing	北平	1929	1949	Republic	Y	chi	Wade-Giles	10		
Beijing	北京	1949	present	PRC	Y	chi	Pinyin	11		

What does the Library of Congress recommend?

taken from the “LOC Pinyin Conversion Project – FAQ”

Ganzhou Fu (Gansu Sheng, China)

According to name authority record nr97-19923, the area now established as Zhangye (China) was known as Ganzhou Fu until 1912 and as Zhangye Xian from 1912 until 1985. According to the *Subject Cataloging Manual: Subject Headings*, H708, it is **subject cataloging policy to assign as a subject heading or as a geographic subdivision only the latest name of a political jurisdiction that has had one or more earlier names, as long as the territorial identity remains essentially the same.** Hence the headings Ganzhou Fu (Gansu Sheng, China) and Zhangye Xian (China) should not be used as a subject heading for any item that deals with this part of China.

Nanyang Diqu (China); Nanyang (Henan Sheng, China); Nanyang Xian (China)

Nanyang Diqu, Nanyang Shi and Nanyang Xian were dissolved in 1994. At that time, a new Nanyang Shi was established, covering almost the same area as the original Nanyang Diqu (except for Tenghsien -- Deng Xian in pinyin -- which was left out of the new city). The new Nanyang Shi is equivalent to the former Nanyang Diqu, while the old Nanyang Shi is an ADM2 -- a smaller unit. **Therefore, no change will be needed.**

Amoy (China) changed to Xiamen (Fujian Sheng, China)

Swatow (China) changed to Shantou (Guangdong Sheng, China)

Port Arthur (China) changed to Lüshun (China)

name-romanized	name-vernacular	language
Lushun	旅順	chi
Port Arthur		eng
Port Artura	Порт-Артур	rus
Ryojun	旅順	jpn

- duality and co-location -

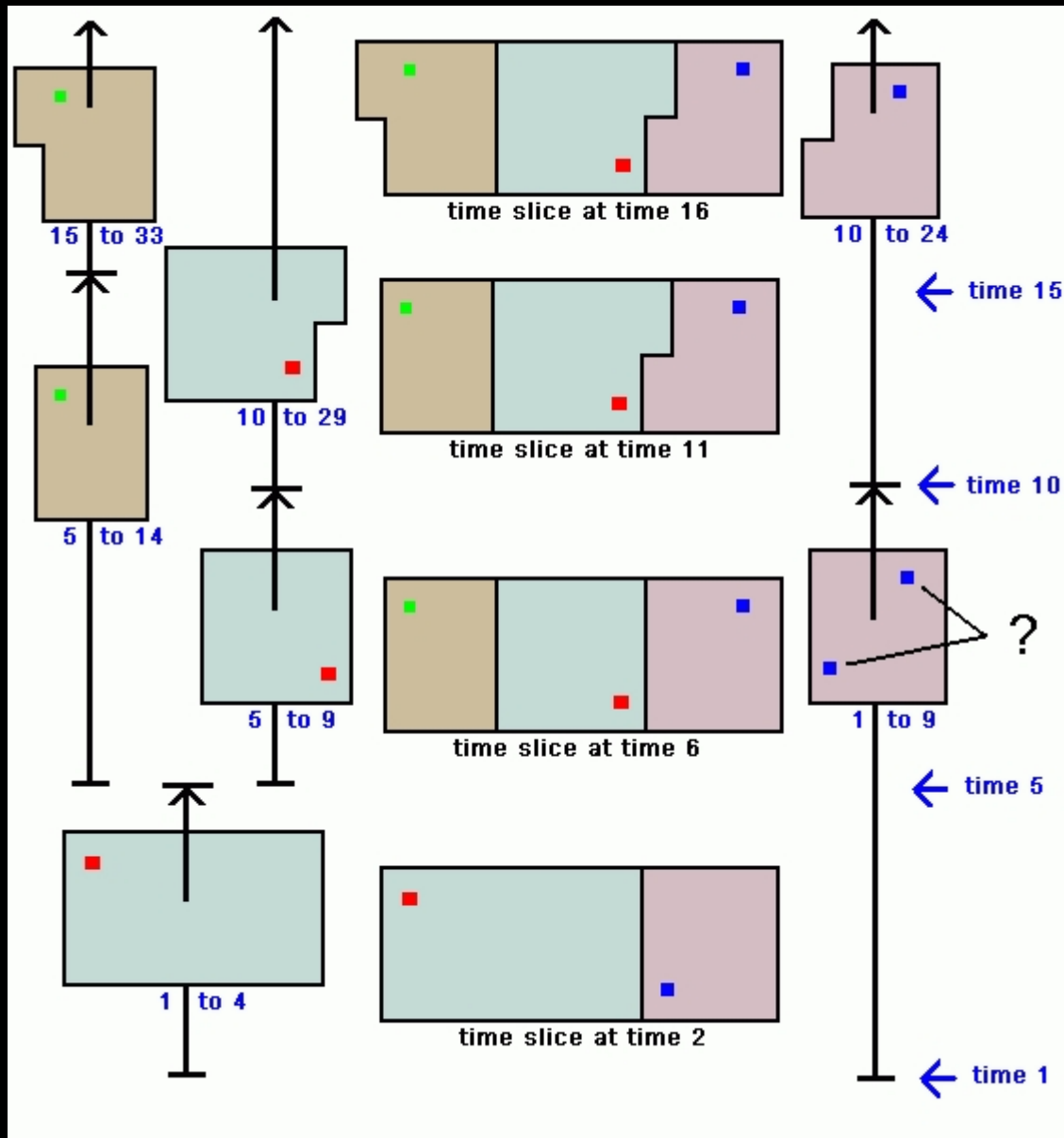
one name identifies both jurisdictional areas & administrative seats
two different instances share the same footprint at the same time

Shiping County (Yunnan)

duality < Shiping County area [polygon]
Shiping County seat [point]
Yilong Township [point] > co-location

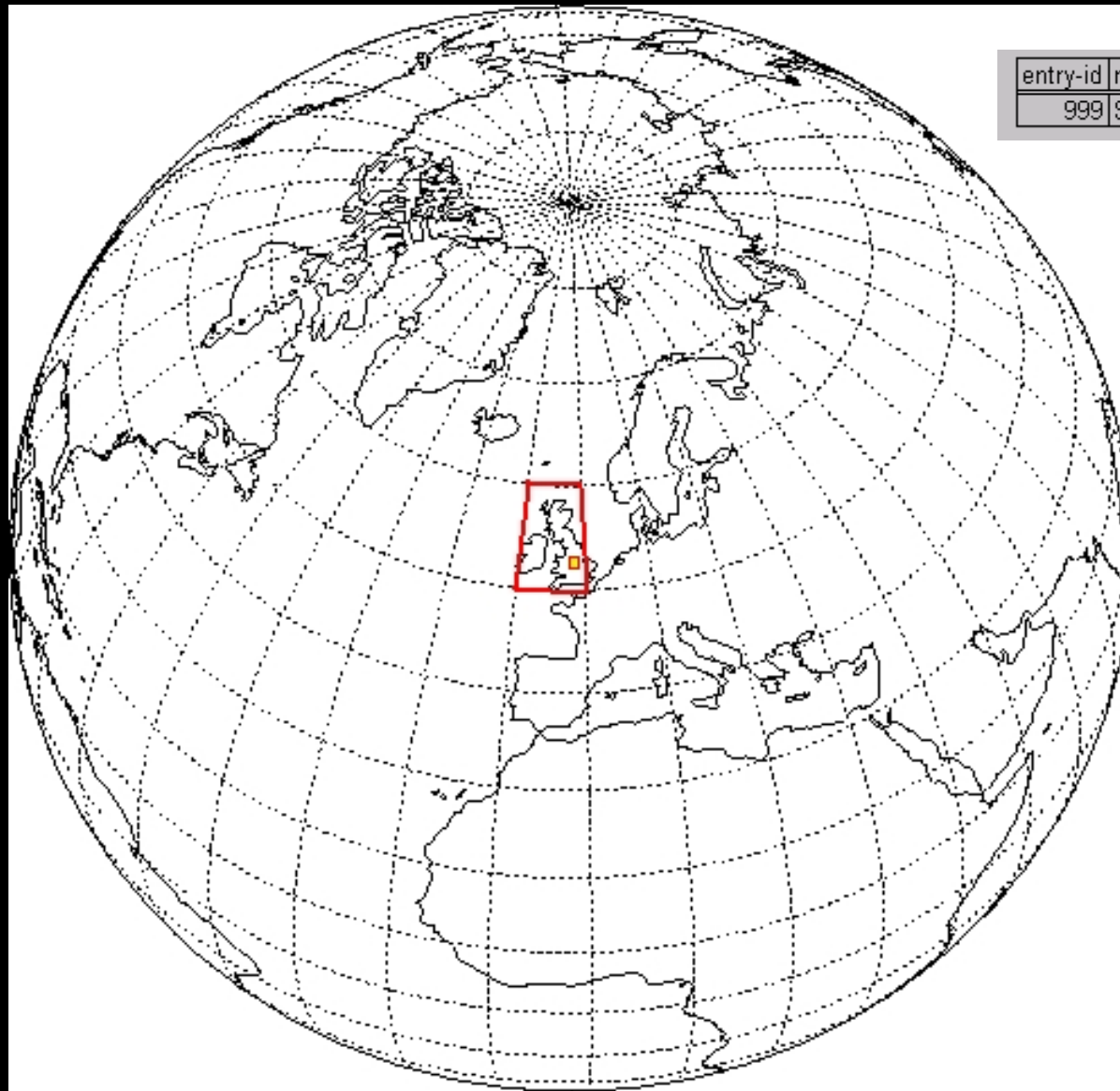


- time series result in asynchronous changes -
and areas & seats often change independently from one another!



- true persistence -

geographic reference system that does not change over time



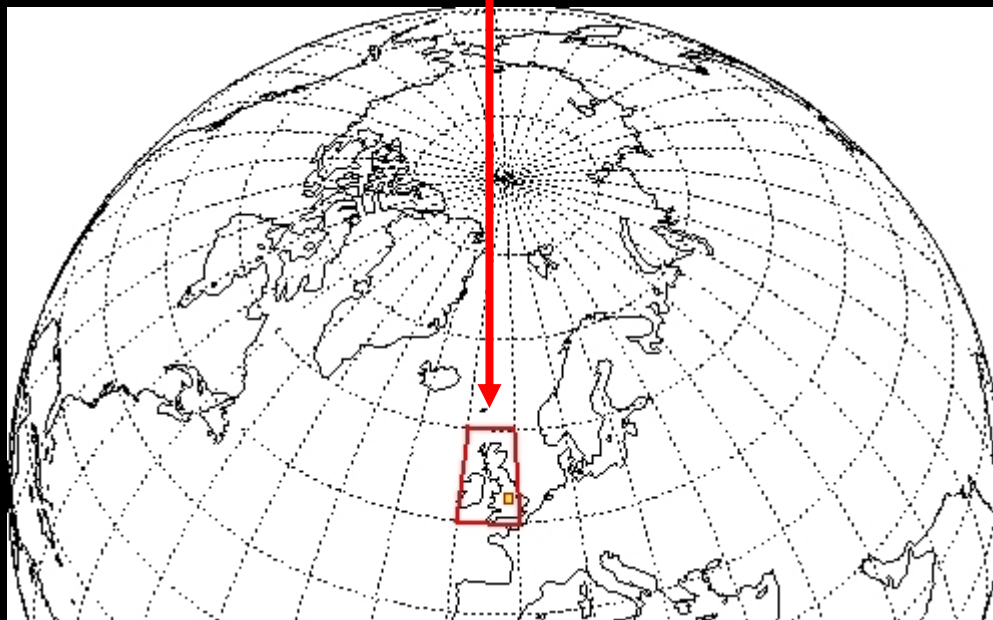
entry-id	name	grid-code	long	lat
999	Syston	7500:121:3	-1.06	52.68

- historical gazetteer records as indirect geographic references -

MATCHES FOR CARNABY STREET CARNABY STREET

1	Carnaby Street, W1, HOLBORN
2	Carnaby Street, W1, LONDON
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4	Carnaby Street, M9, MANCHESTER

id	name	grid-code	long	lat
33	Carnaby Street	7500:110:3	-0.13	51.5



Carnaby Street, London 1966

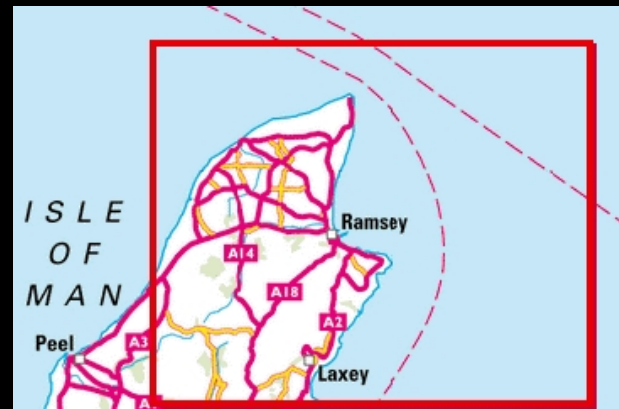
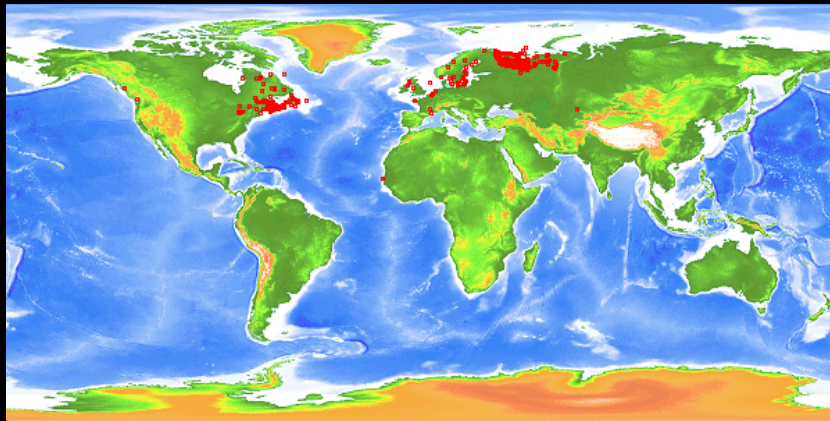


Carnaby Street, London 1881

- scale -

resolving global, regional, local datasets is problematic
need to solve with metadata

id	name	grid-code	long	lat	MBR
67	Ramsey	7500:144:1	-4.31	54.37	54.5, 54, -4.5, -4



super-regions	code
All Land	1
All Sea	2
Arctic	3
Antarctic	4
Pacific	5
Atlantic	6
Indian Ocean	7
Africa - Middle East	8
Eurasia	9
Australia	10
Americas	11
Oceania	12

id	name	scale	scale-code	grid-code
67	Ramsey	local	9	7500:144:1
101	Salmon - UK	regional	9	7500
801	Salmon - Global	global	1	