

Language in space and language on maps: some methodological and historical considerations

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<https://www.sbg.ac.at/rom/people/prof/goebel/goebel.htm>

Literacy in France (Charles Dupin 1827)

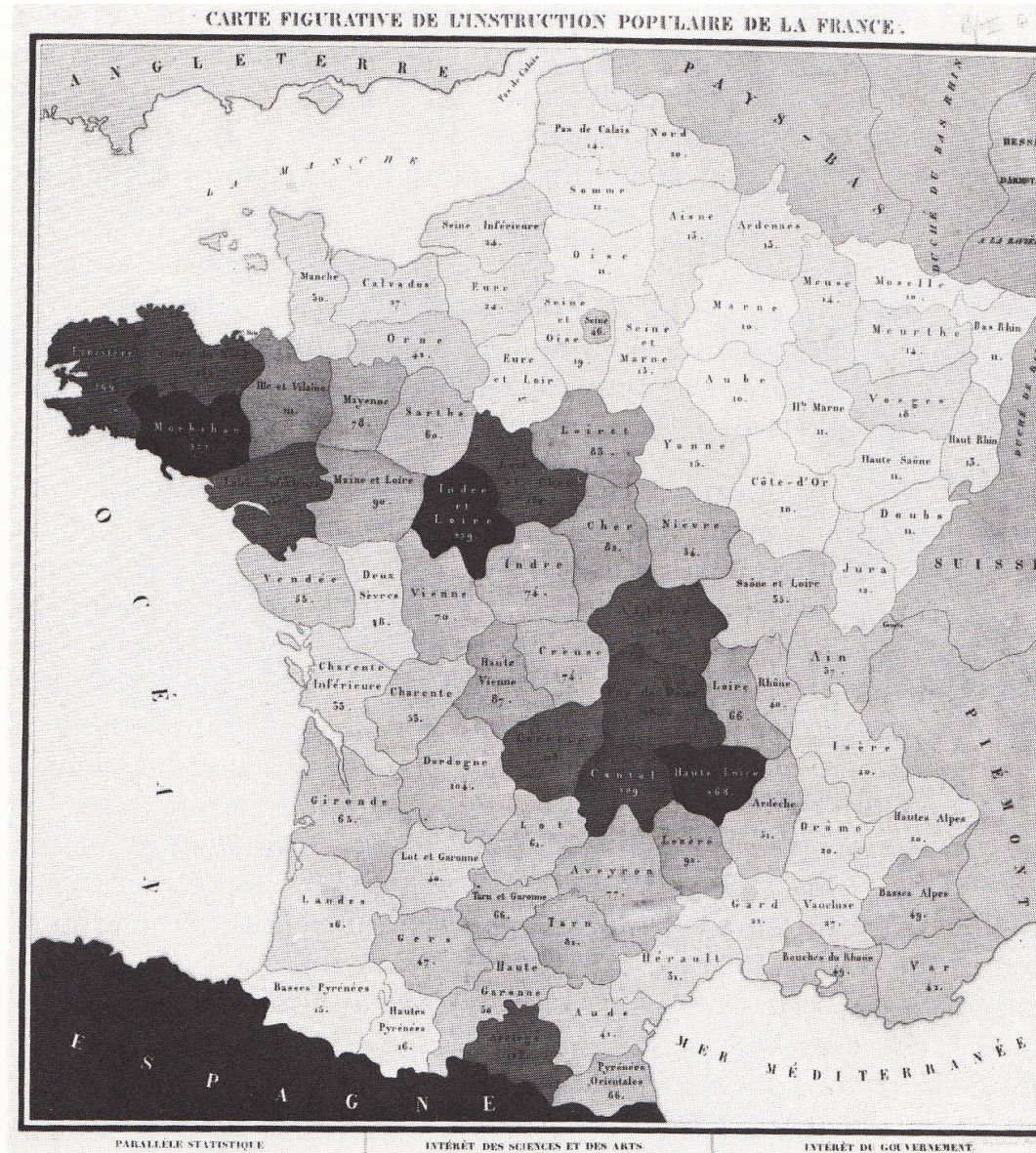
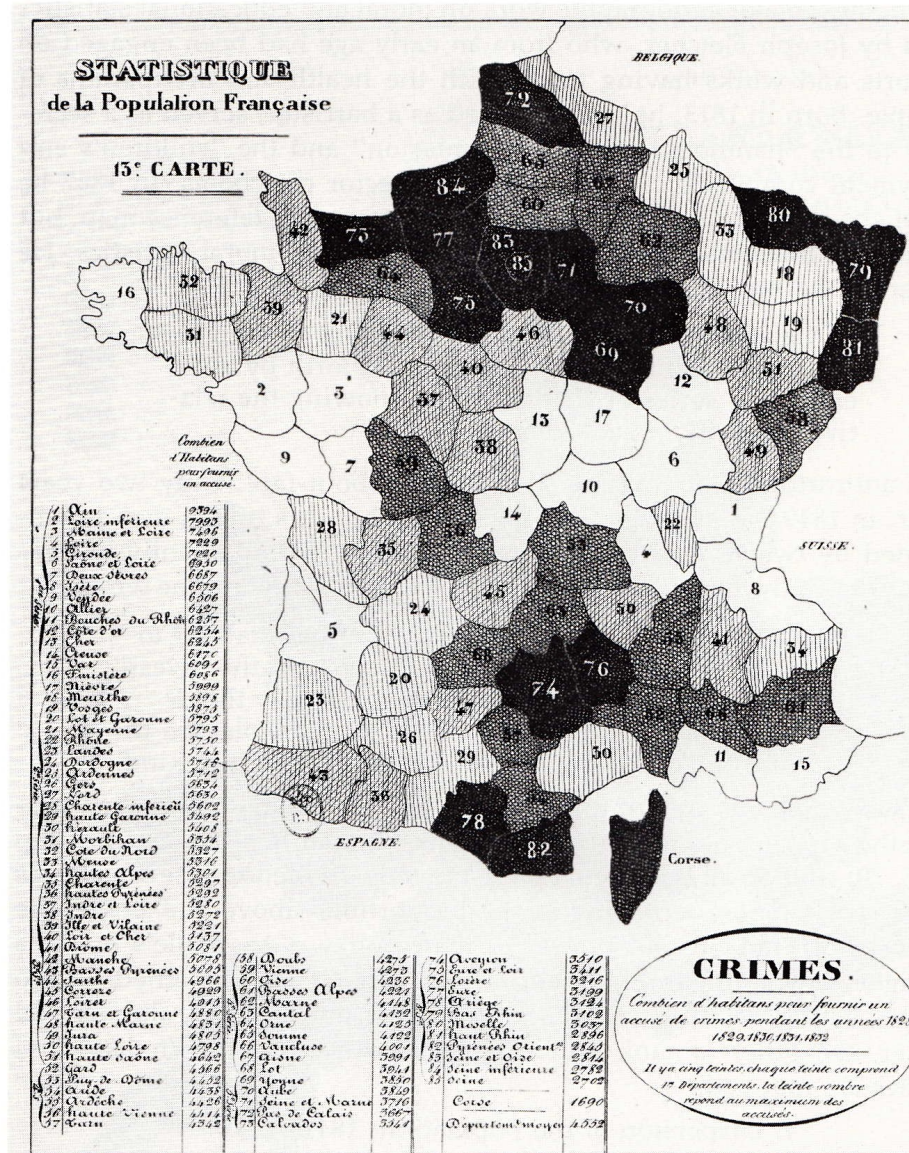


Figure 75 Dupin's 1827 "Carte figurative de l'instruction populaire de la France." Original ca. 510 × 535 mm. Lithographic engraving. (Photo. Bibliothèque Nationale, Paris.)

Crimes in France (Adolphe d'Angeville 1836)



Regional origin of Parisian prostitutes (Alexandre Parent-Duchâtelet 1836)

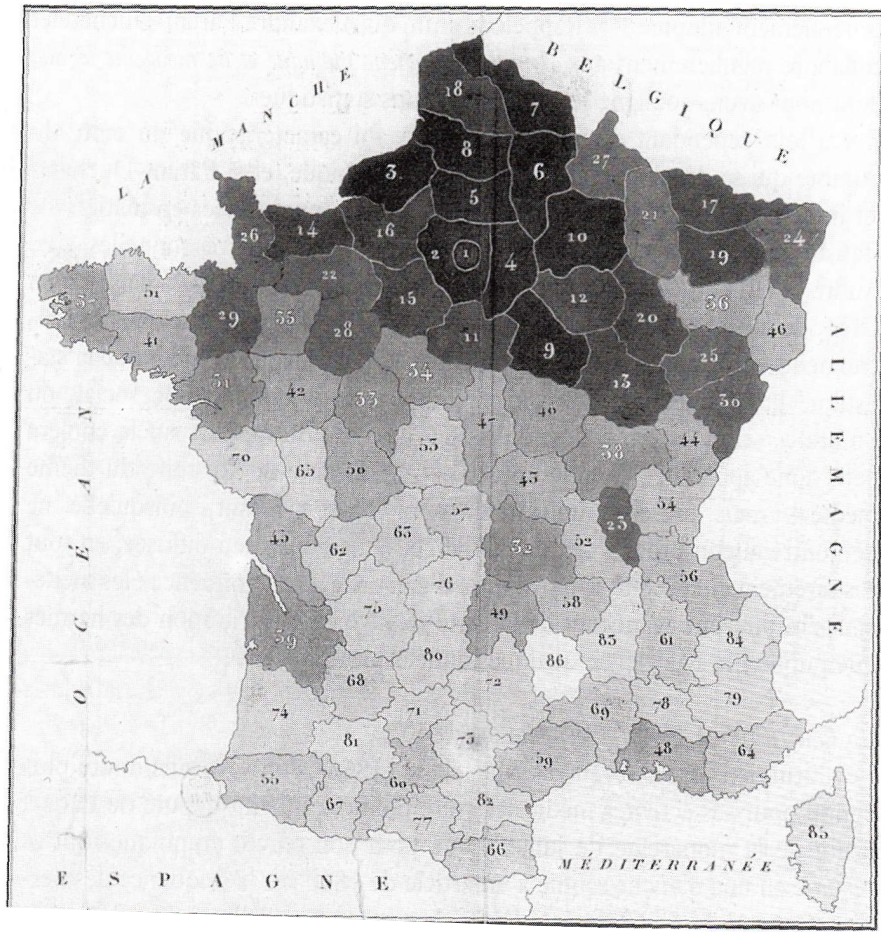
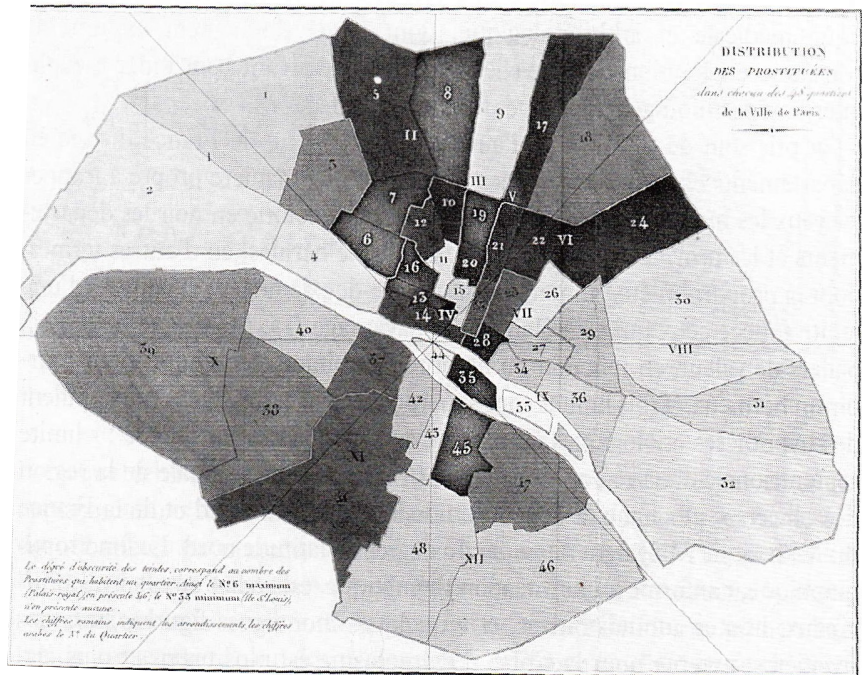
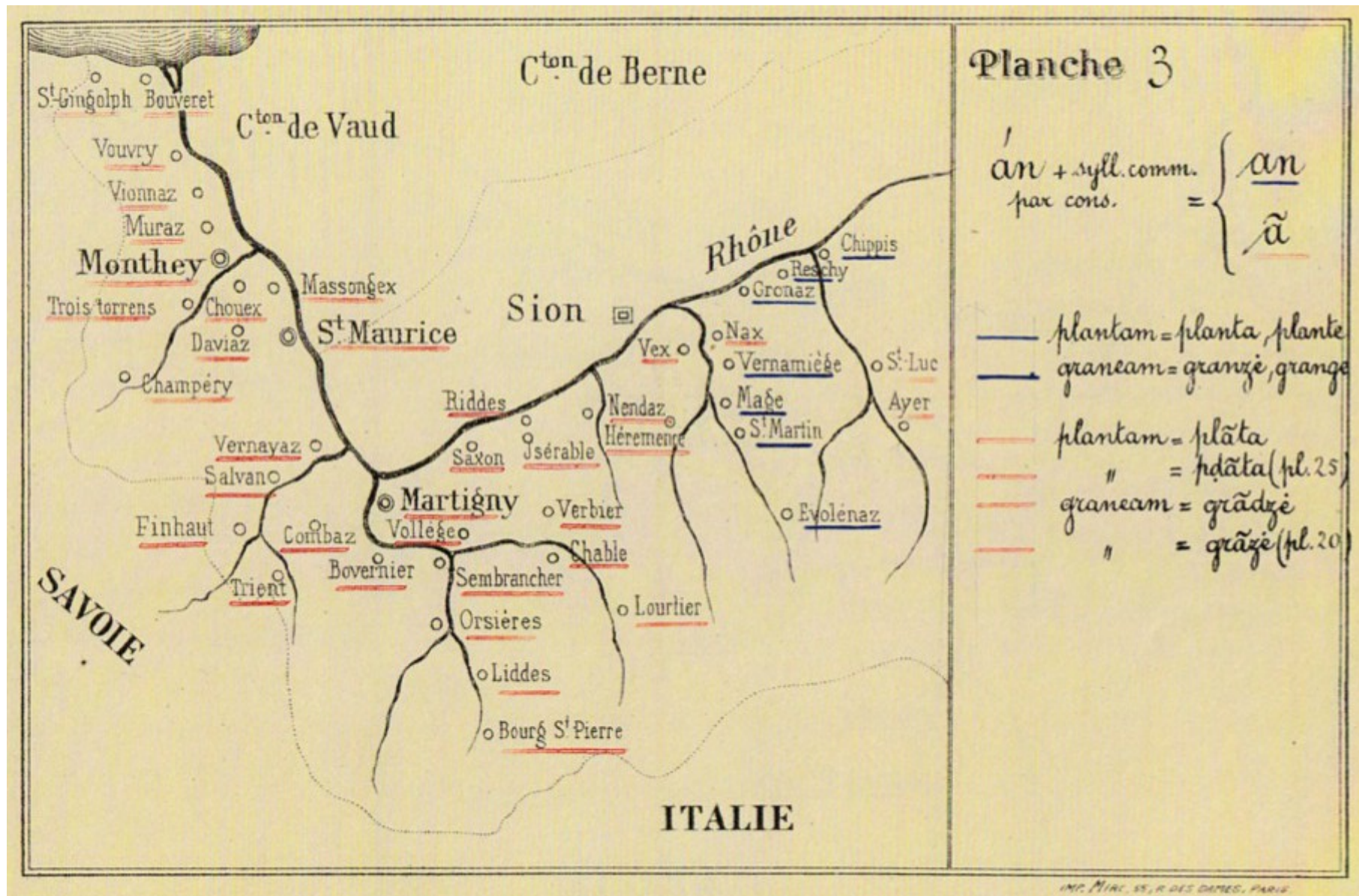


Fig. 28. A. Parent-Duchâtelet, *Nombre de prostituées venues à Paris de chaque département de 1816 à 1831..., 1836.* (Cliché : B.N., Service photographique.)

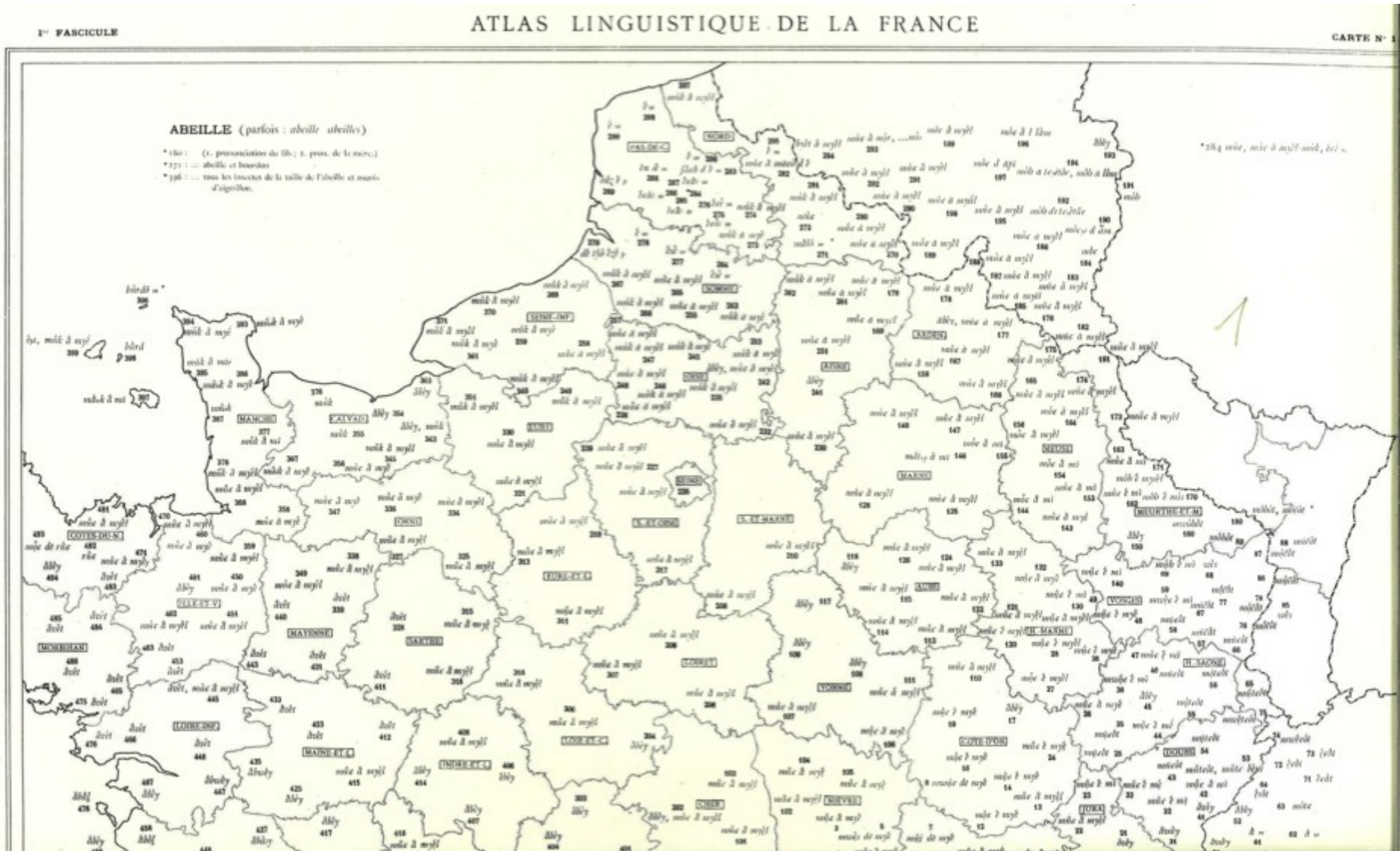
Fig. 29. A. Parent-Duchâtelet, *Distribution des prostituées dans chacun des 48 quartiers de la ville de Paris, 1836.* (Cliché : B.N., Service photographique.)



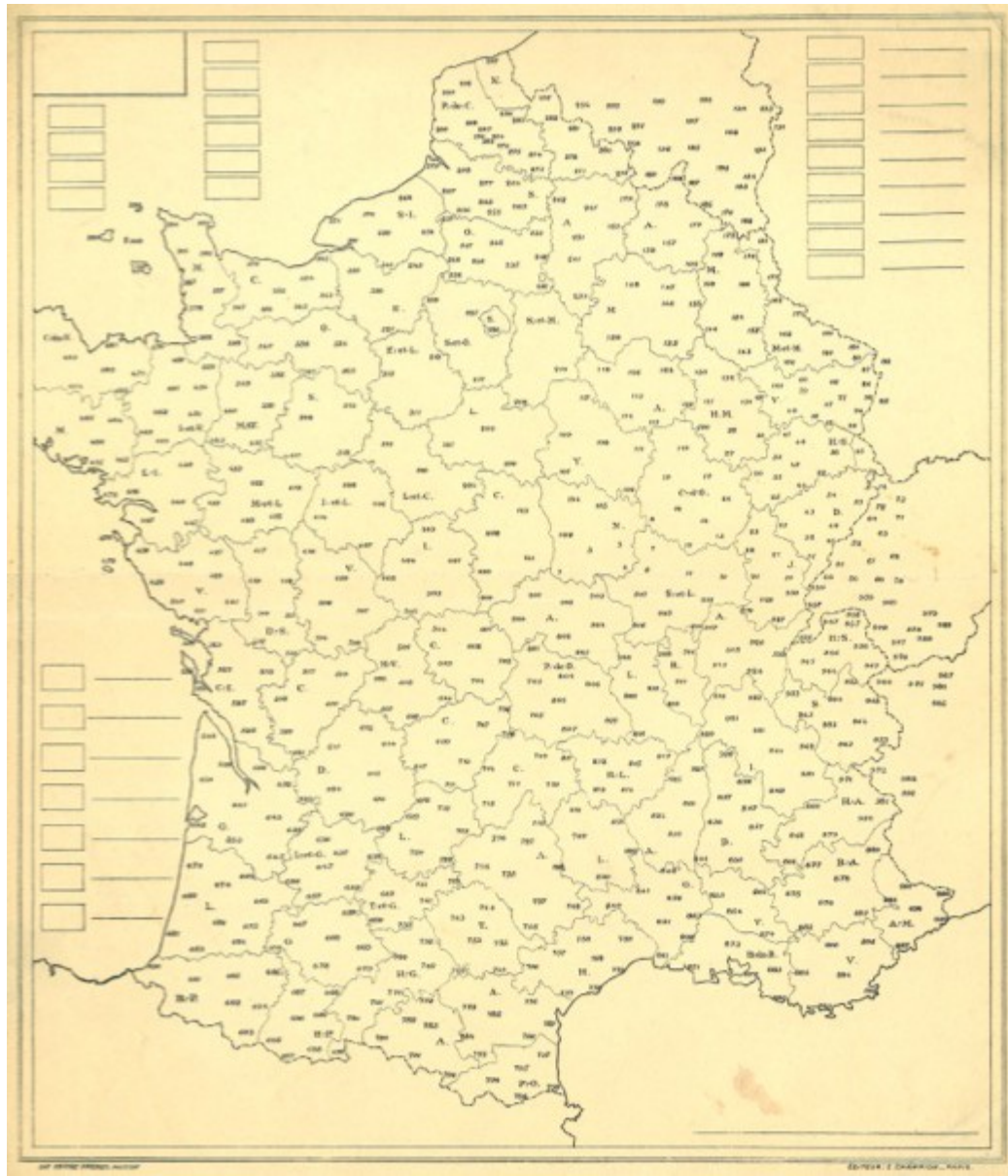
Map 3 of the first linguistic atlas compiled by Jules Gilliéron (1881)



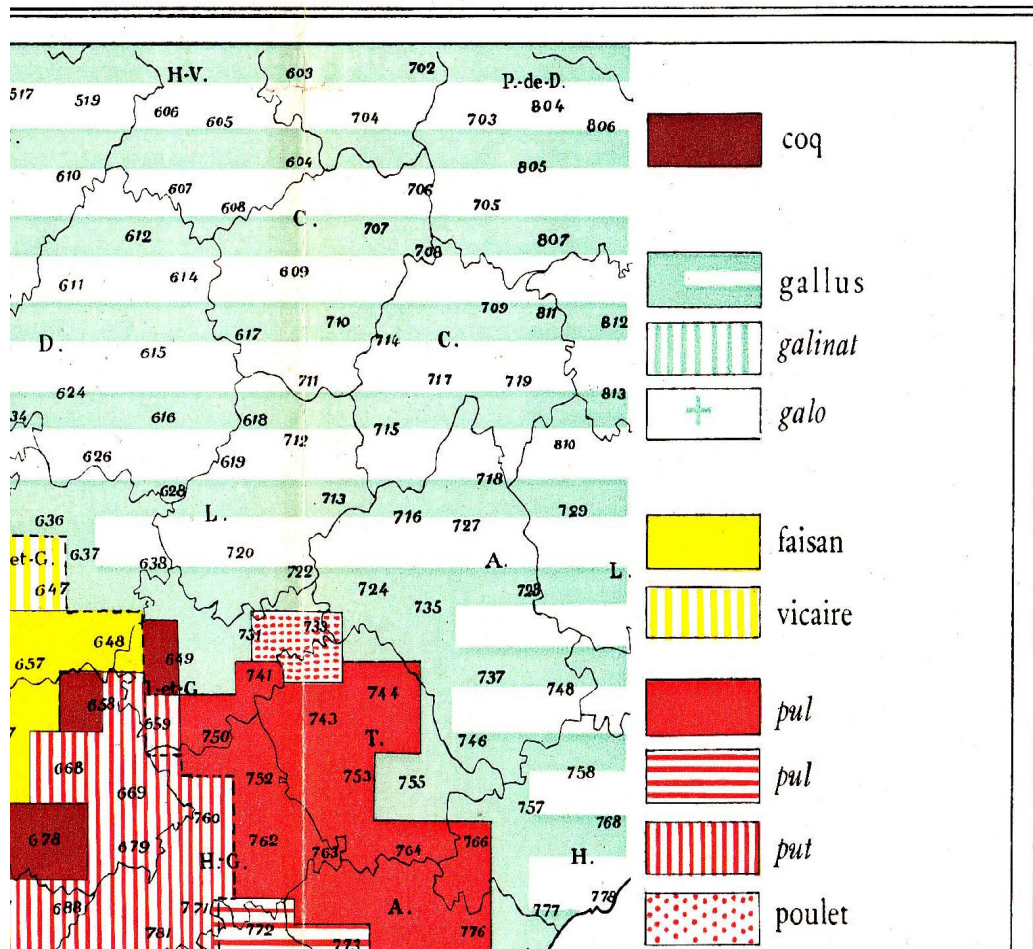
Map 1 *abeille* („the bee“) of the „Atlas linguistique de la France“ (ALF), compiled and published by Jules Gilliéron and Edmond Edmont (1902 sqq.)



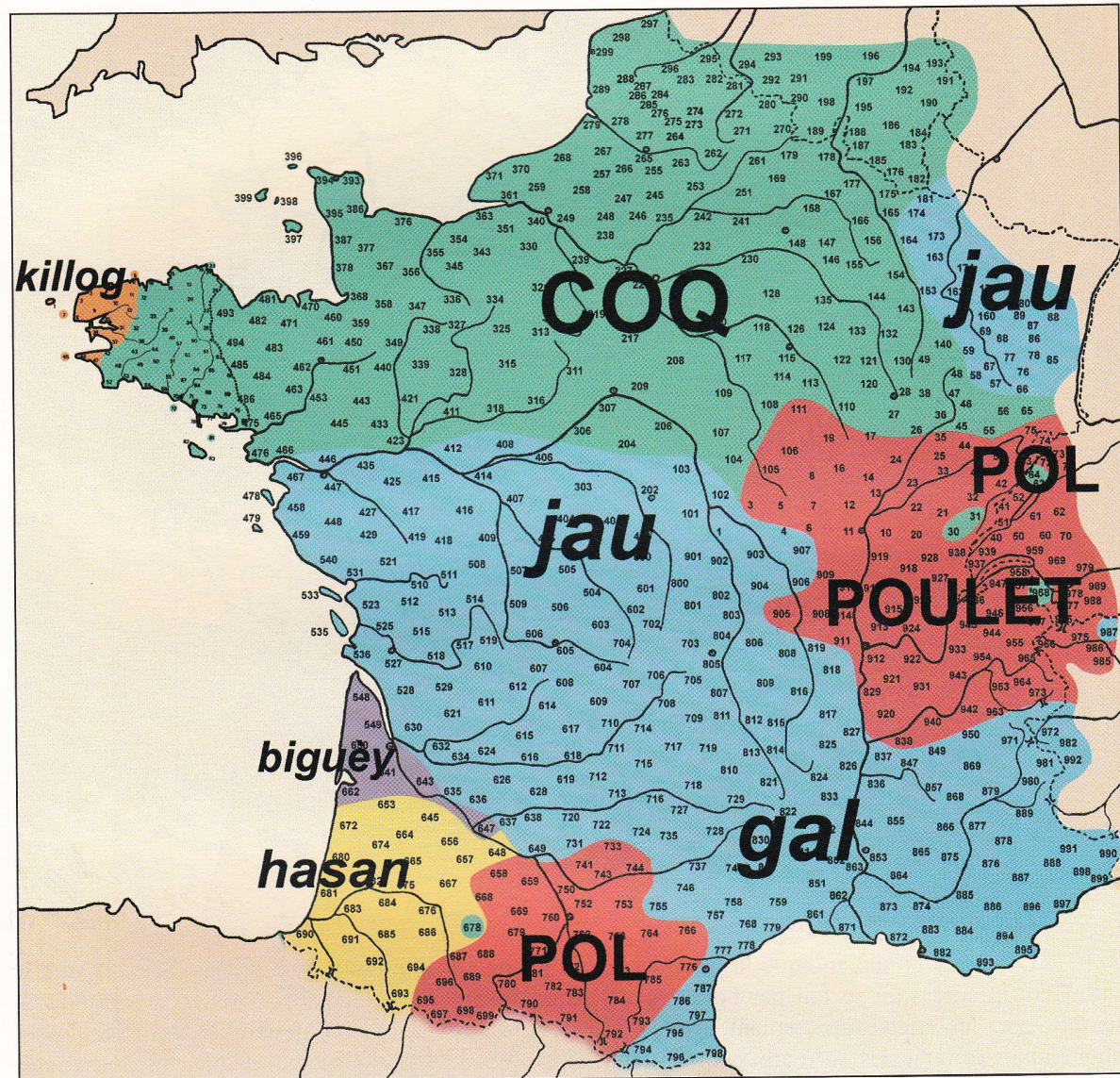
Empty copy of a „silent map“
for the (geo)linguistic interpretation of ALF maps



„City block“ colour map, drawn by Jules Gilliéron (1905): the names of the „cock“ (coq) in Gascony

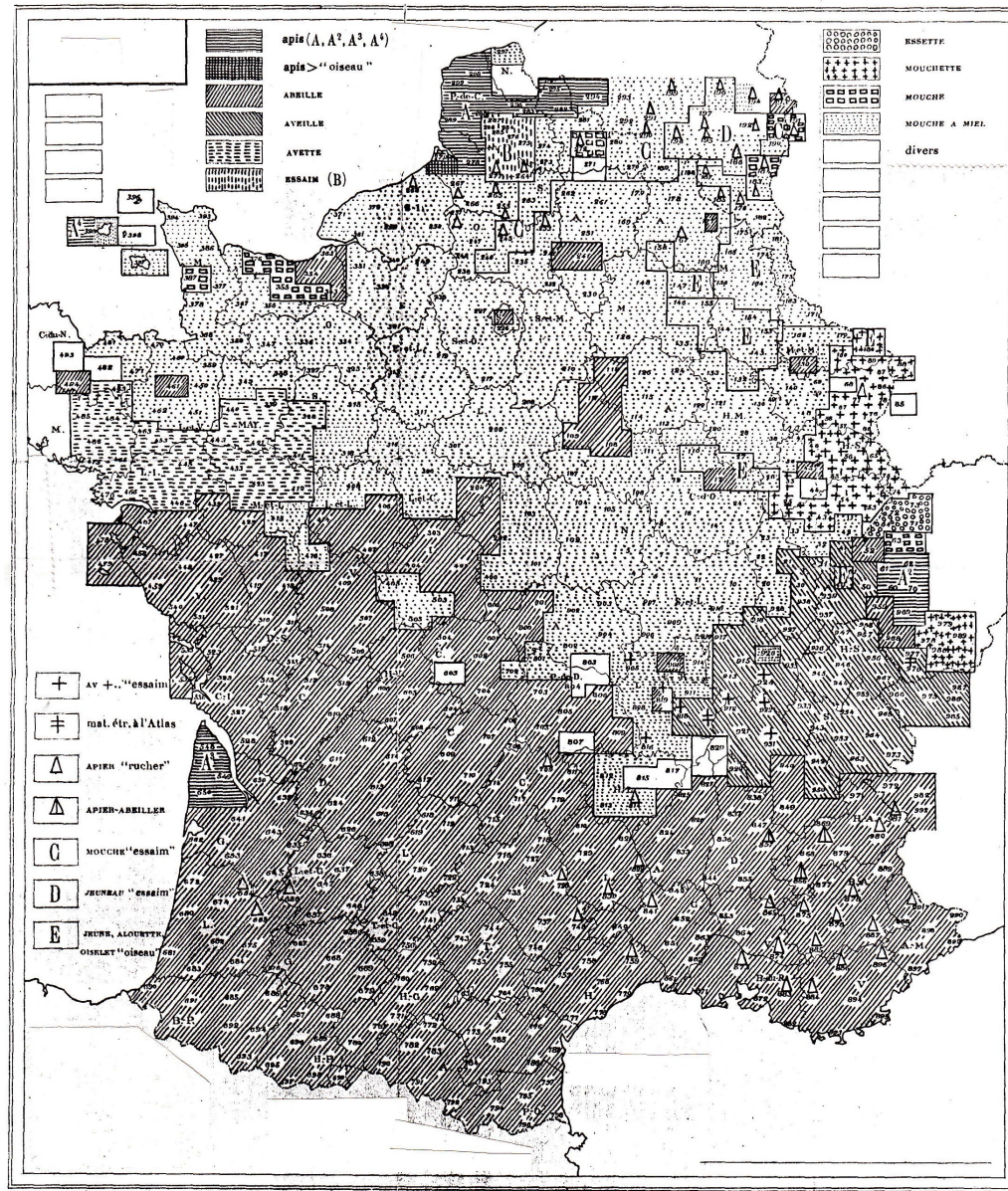


„Free style“ colour map, drawn by Guylaine Brun-Trigaud (2005): „cock“ (coq) in GalloRomance

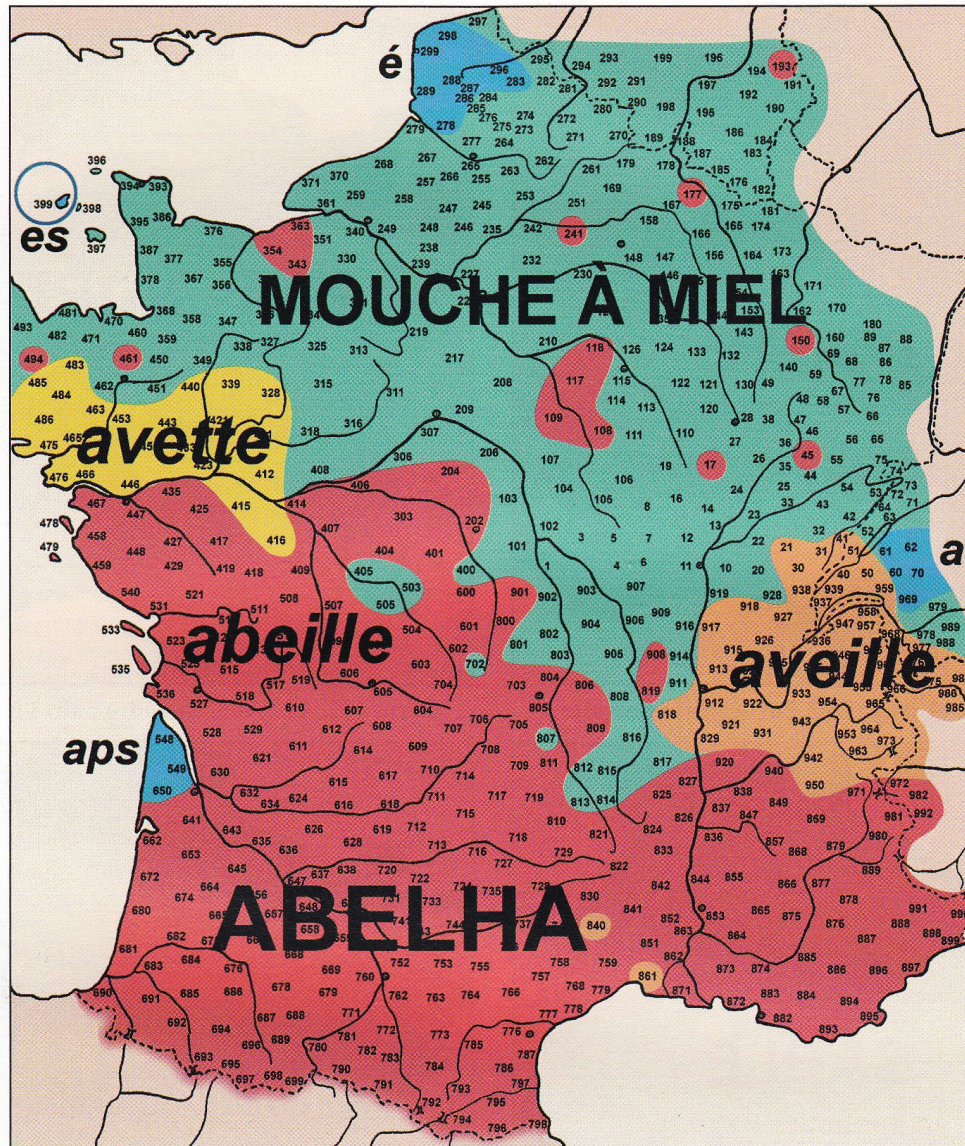


Carte 373. ALF 320 et ALBB 388 Coq : aires lexicales

„City block“ map, drawn by Jules Gilliéron (1918): „bee“ (*abeille*) in GalloRomance

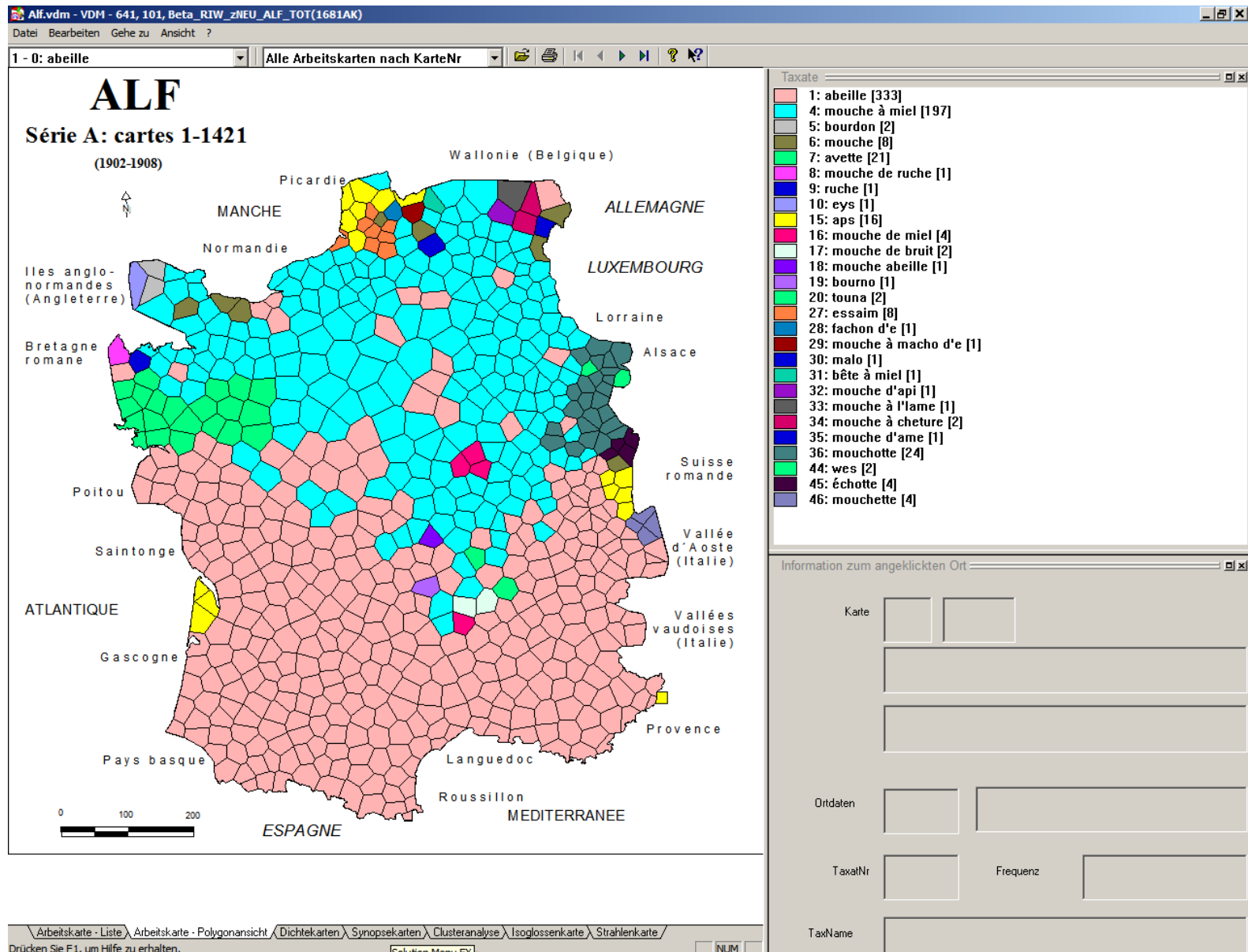


„Free style“ colour map, drawn by Guylaine Brun-Trigaud (2005): „bee“ (*abeille*) in GalloRomance

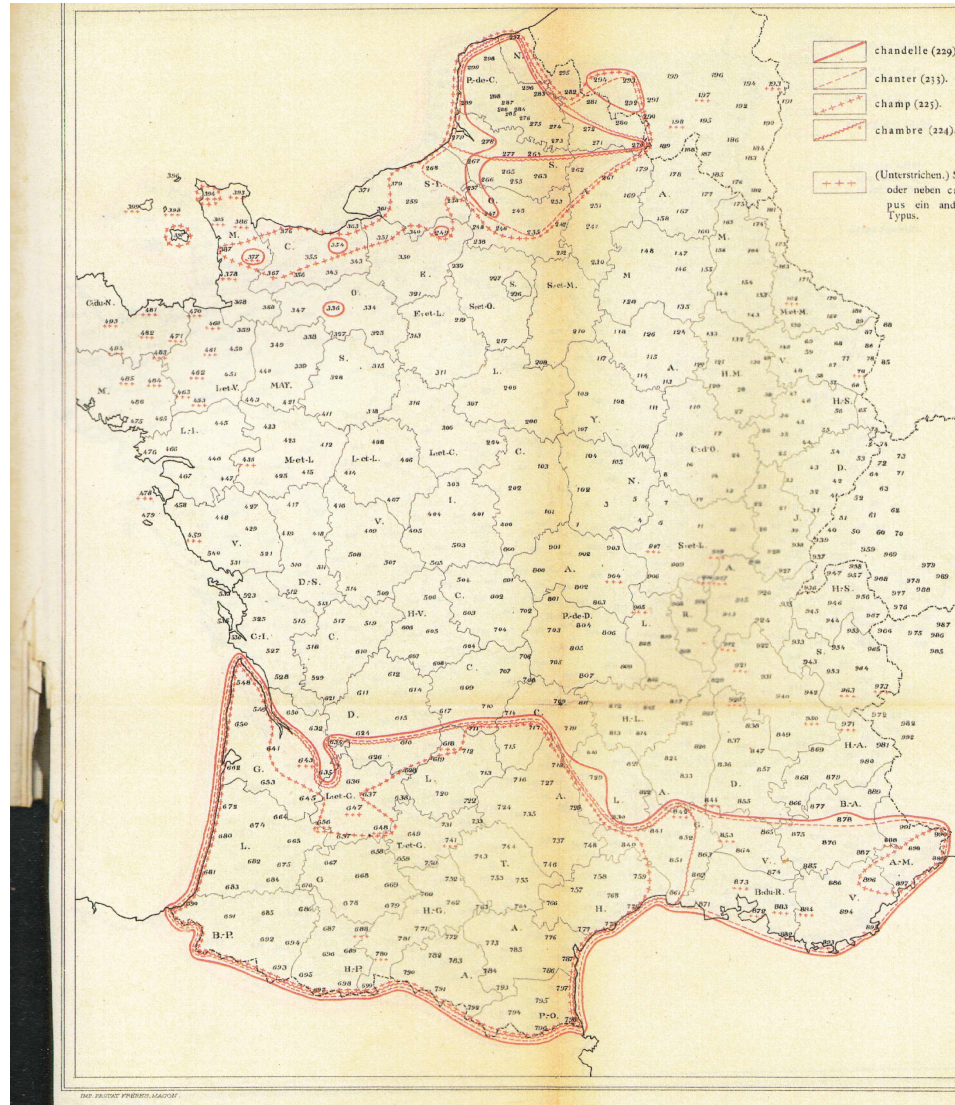


Carte 448. ALF 1 Abeille : aires lexicales

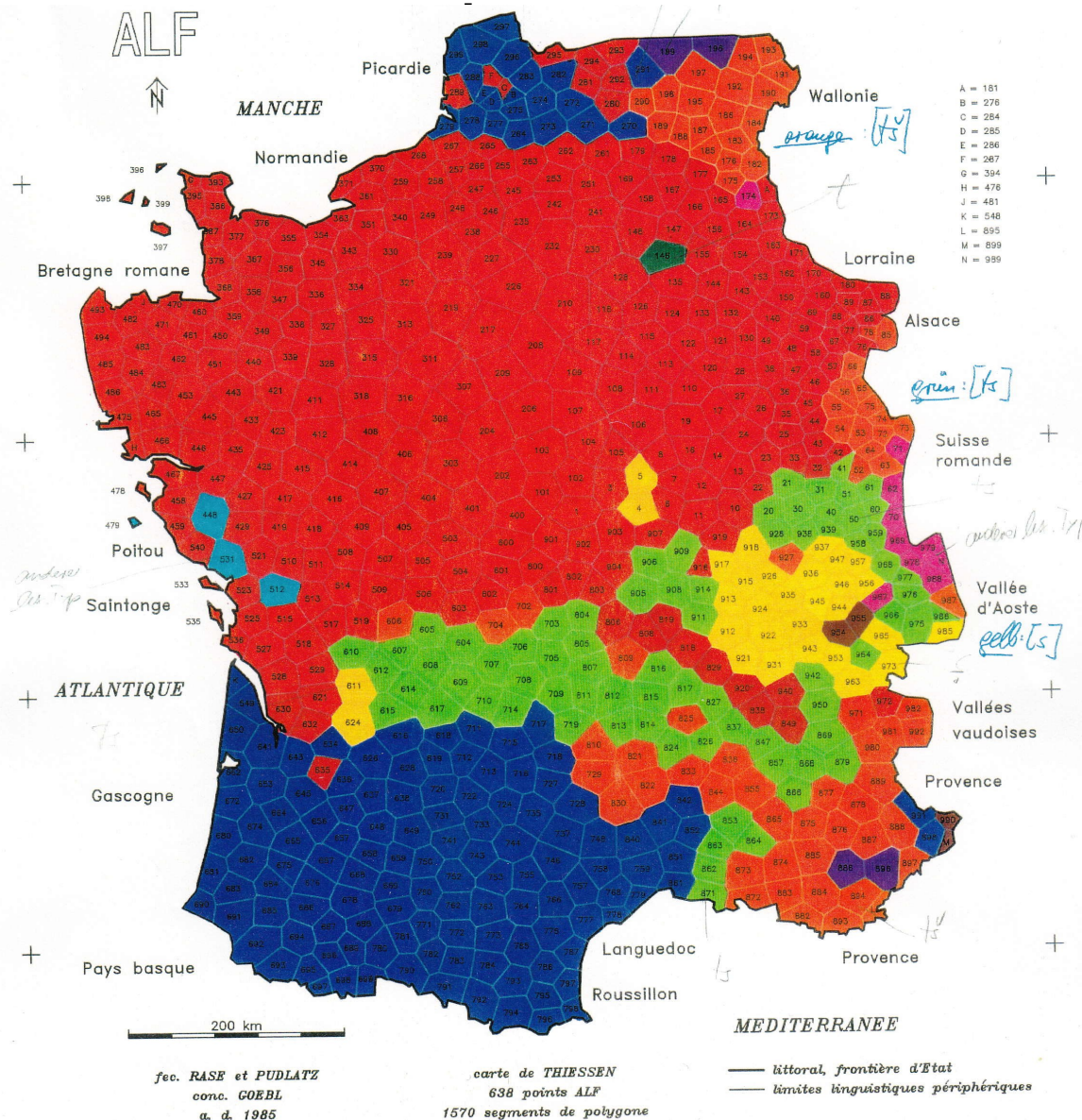
Polygonized working map of VDM: „bee“ (*abeille*) in GalloRomance



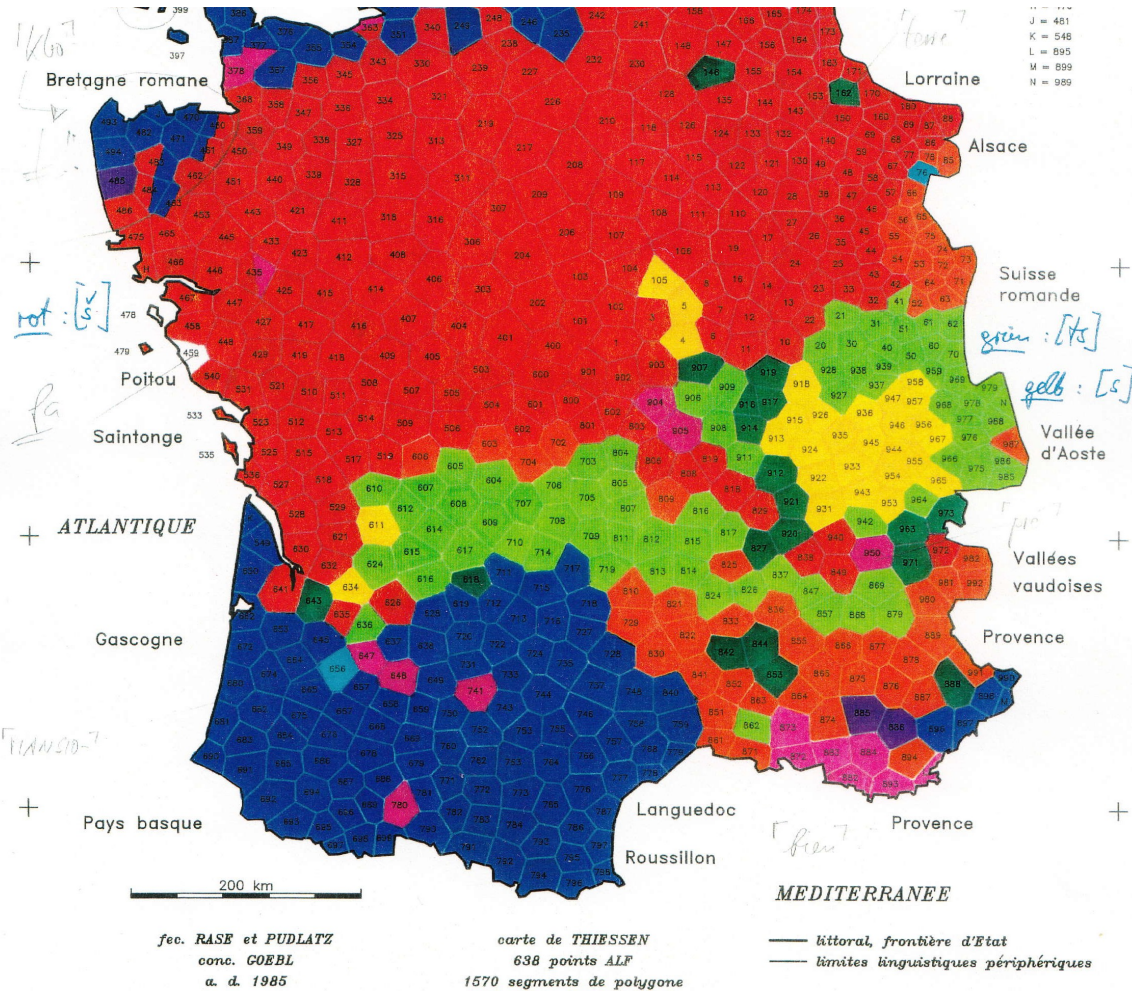
Traditional isogloss synthesis drawn by Karl Jaberg (1908) showing the variable intensity of the conservation of Latin C+A in GalloRomance



Hand-drawn taxatation of ALF 224 *chambre*
„room“ (< CÁMERA): GalloRomance outcomes of

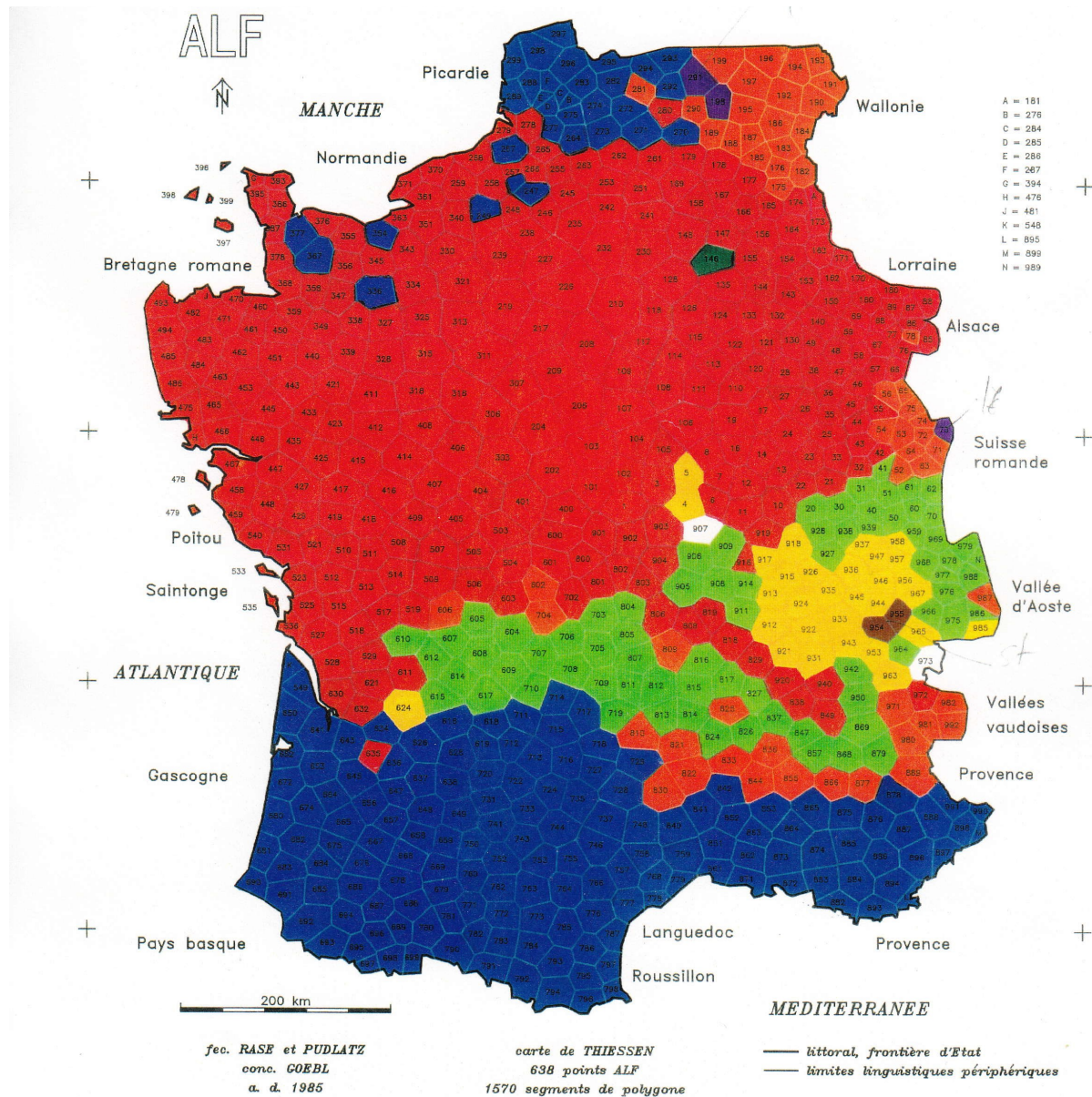


Hand-drawn taxatation of ALF 225 *champ* „field“ (< CÁMPU): GalloRomance outcomes of Latin



Studentische Einführung (mit Fehlern)
Originalprotok: A 3

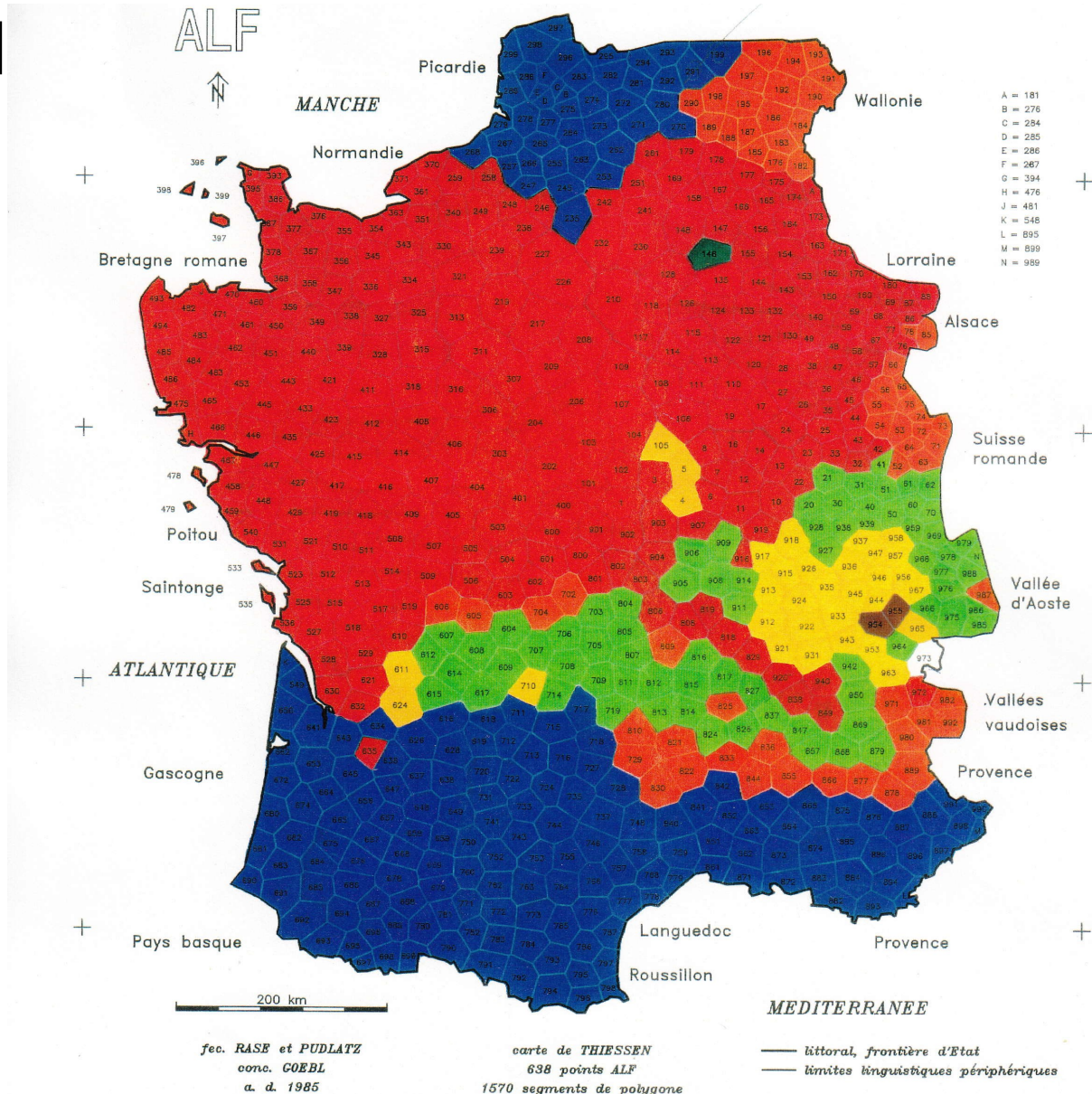
Hand-drawn taxatation of ALF 229 *chandelle* „candle“ (< CAN+*DÍLLA): GalloRomance



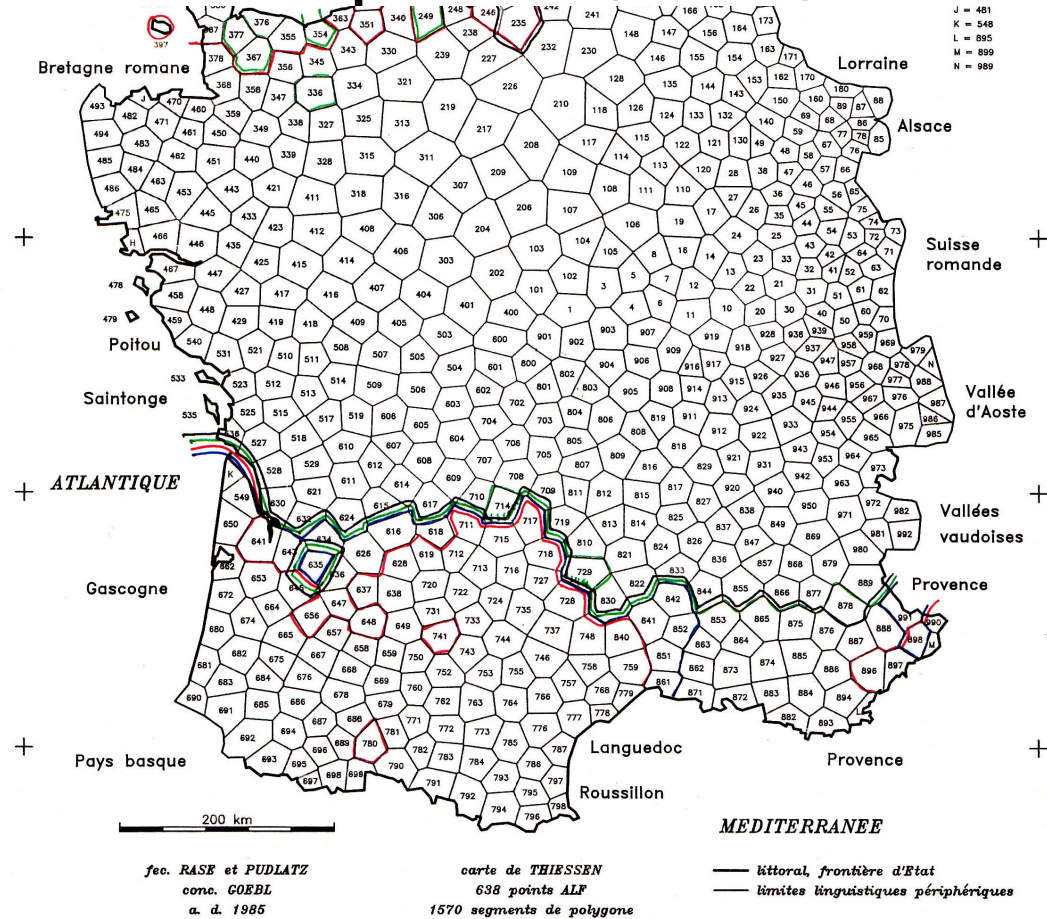
Hand-drawn taxatation of ALF 233 chanter „to sing“

(< CAN

of Latin



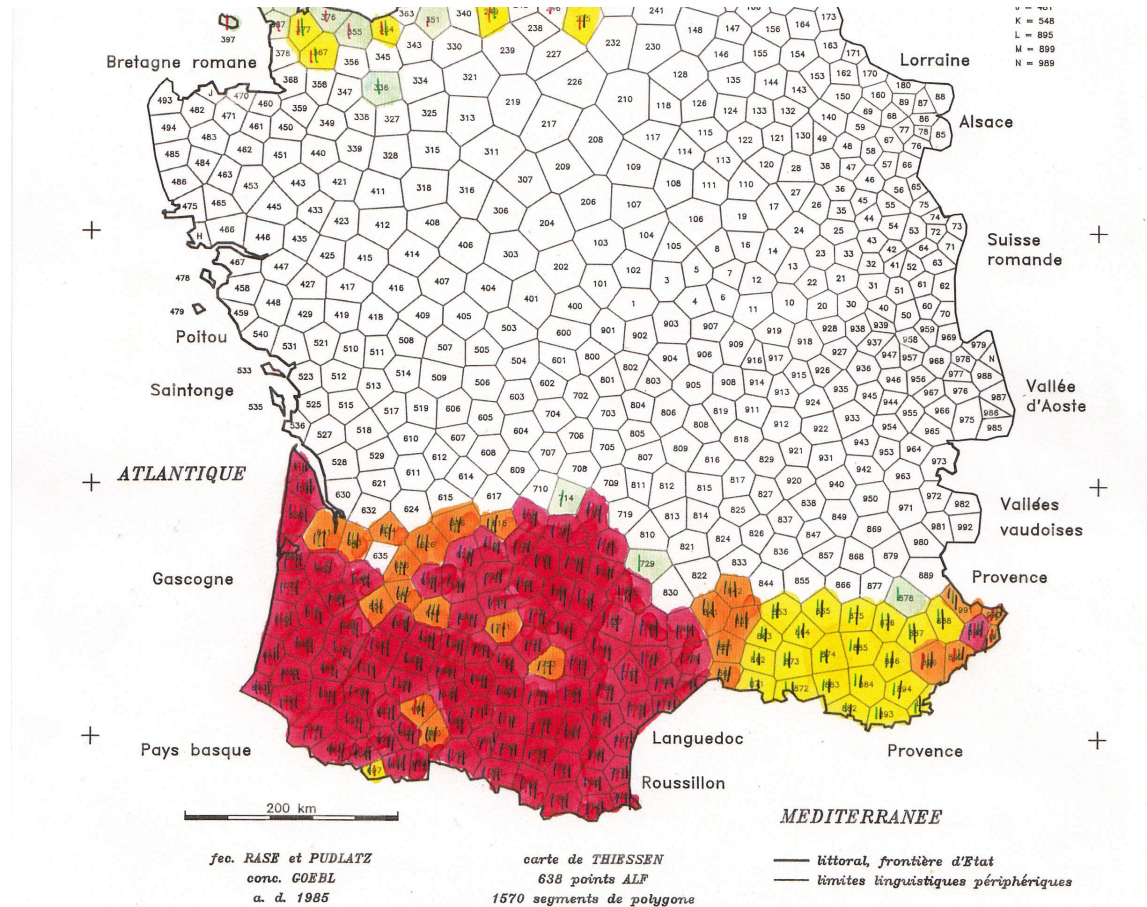
Hand-drawn isogloss synthesis for “intensity” of the conservation of Latin C+A in GalloRomance (based on ALF maps 224, 225, 229 and 233)



Original:
Transcription

Quelle: — [k] in 224 chambre
— [k] in 225 chambr

Hand-drawn choropleth map for “intensity” of the conservation of Latin C+A in GalloRomance (based on ALF maps 224, 225, 229 and 233)



Vorkommen von [k]

Legende: 1 1x [k] $\frac{1}{4} = 0,25$ 2 2x [k] $\frac{1}{2} = 0,5$

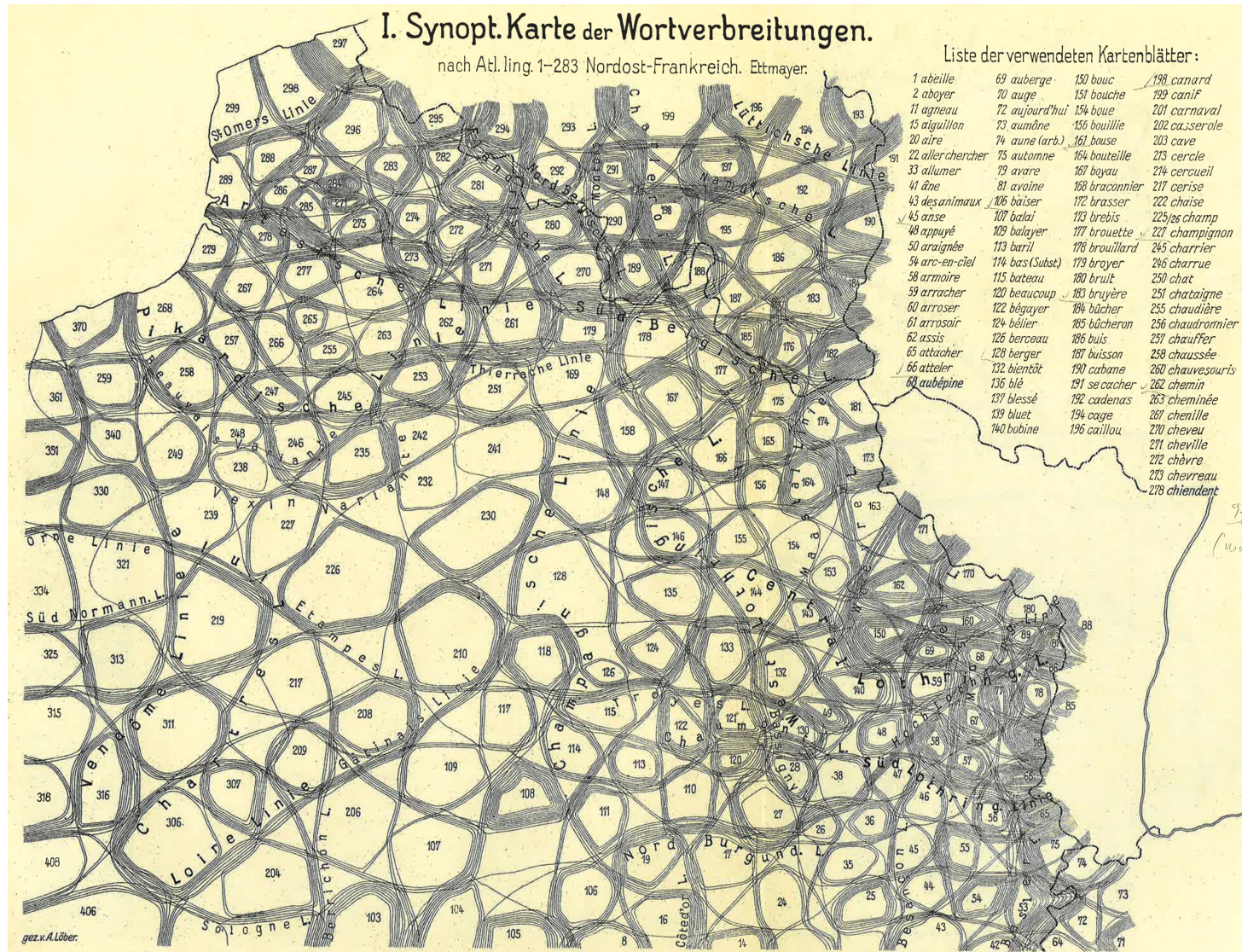
Quelle: — [k] in 224 chambre
— [k] in 225 champ

3)

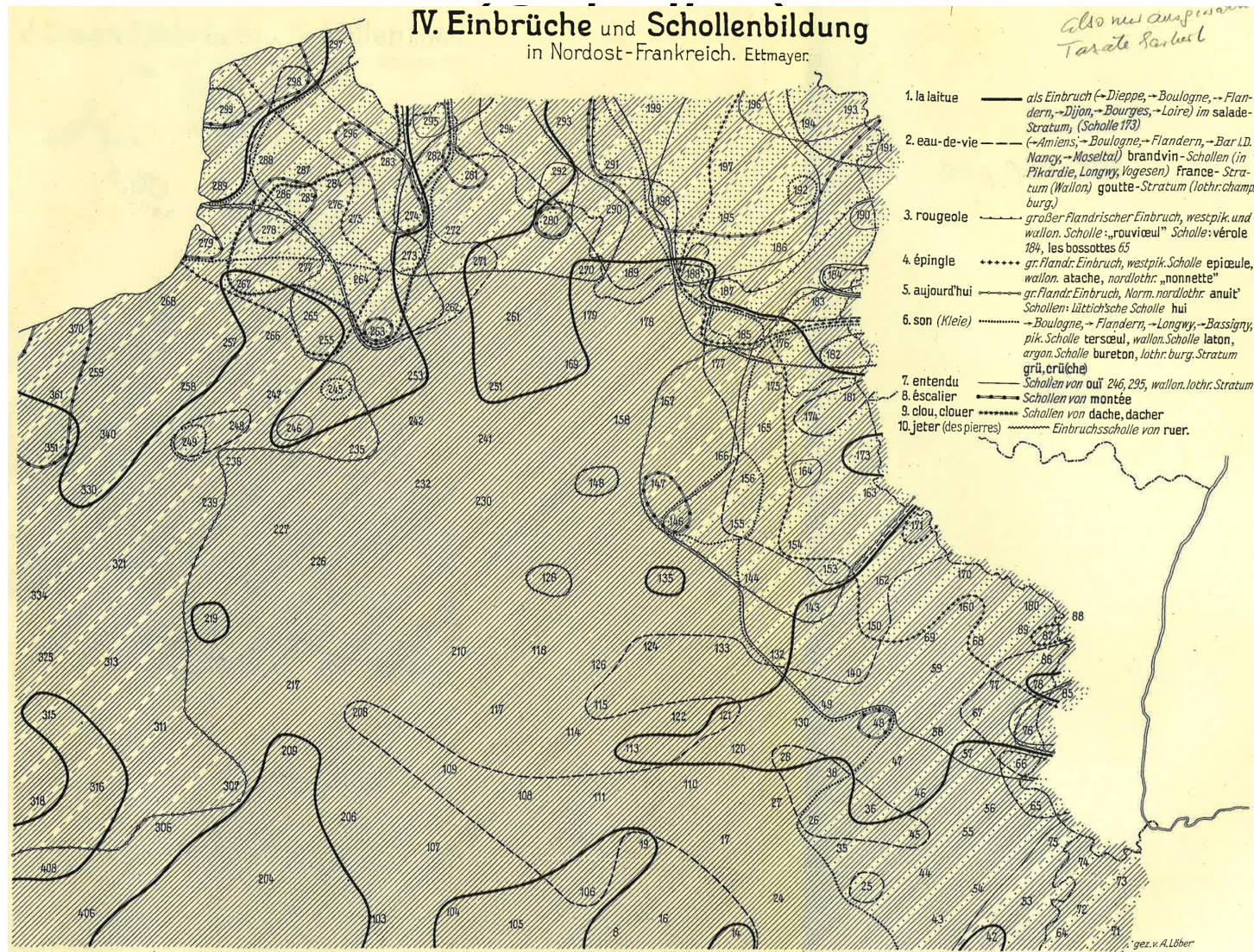


Carte 368. Carte de synthèse C- initial ou -C- intervocalique > [k-] ou [-k-]

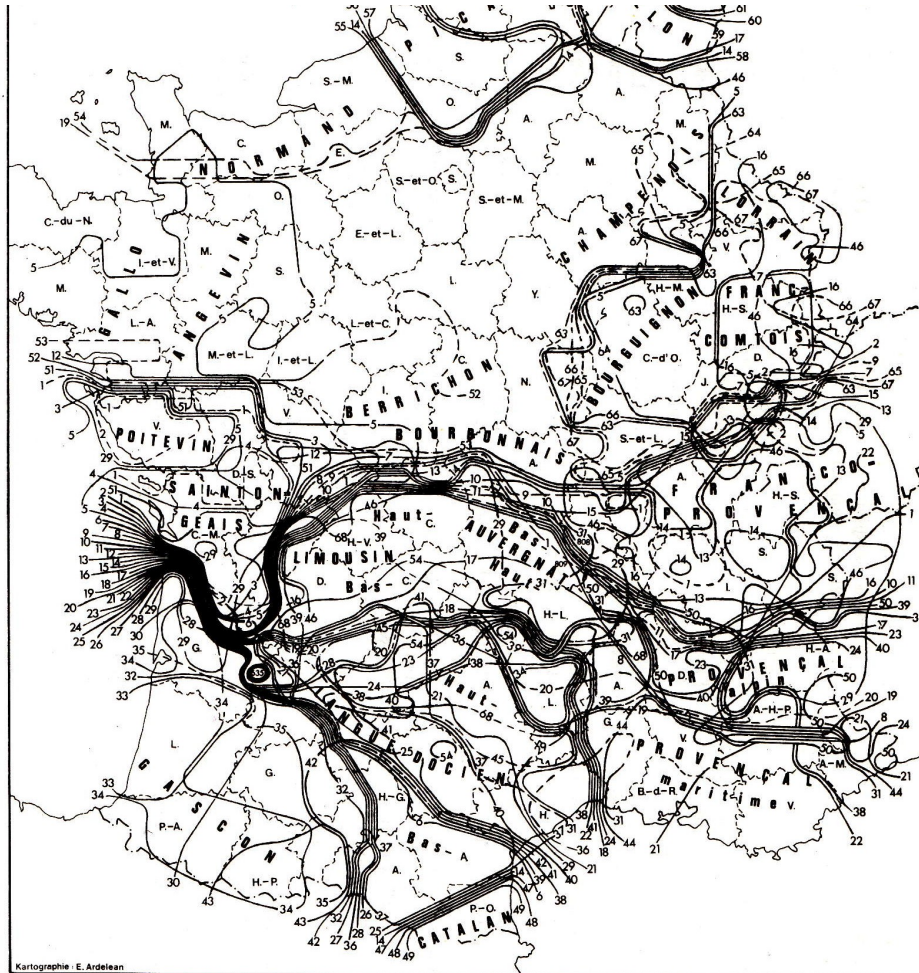
Traditional isogloss synthesis, drawn by Karl von Ettmayer(1924) showing general dialectal structure of Northern GalloRomance (based on



Composite isopleth map, drawn by Karl von Ettmayer (1924) showing the presence of geolinguistic incursions (*Einbrüche*) and relicts

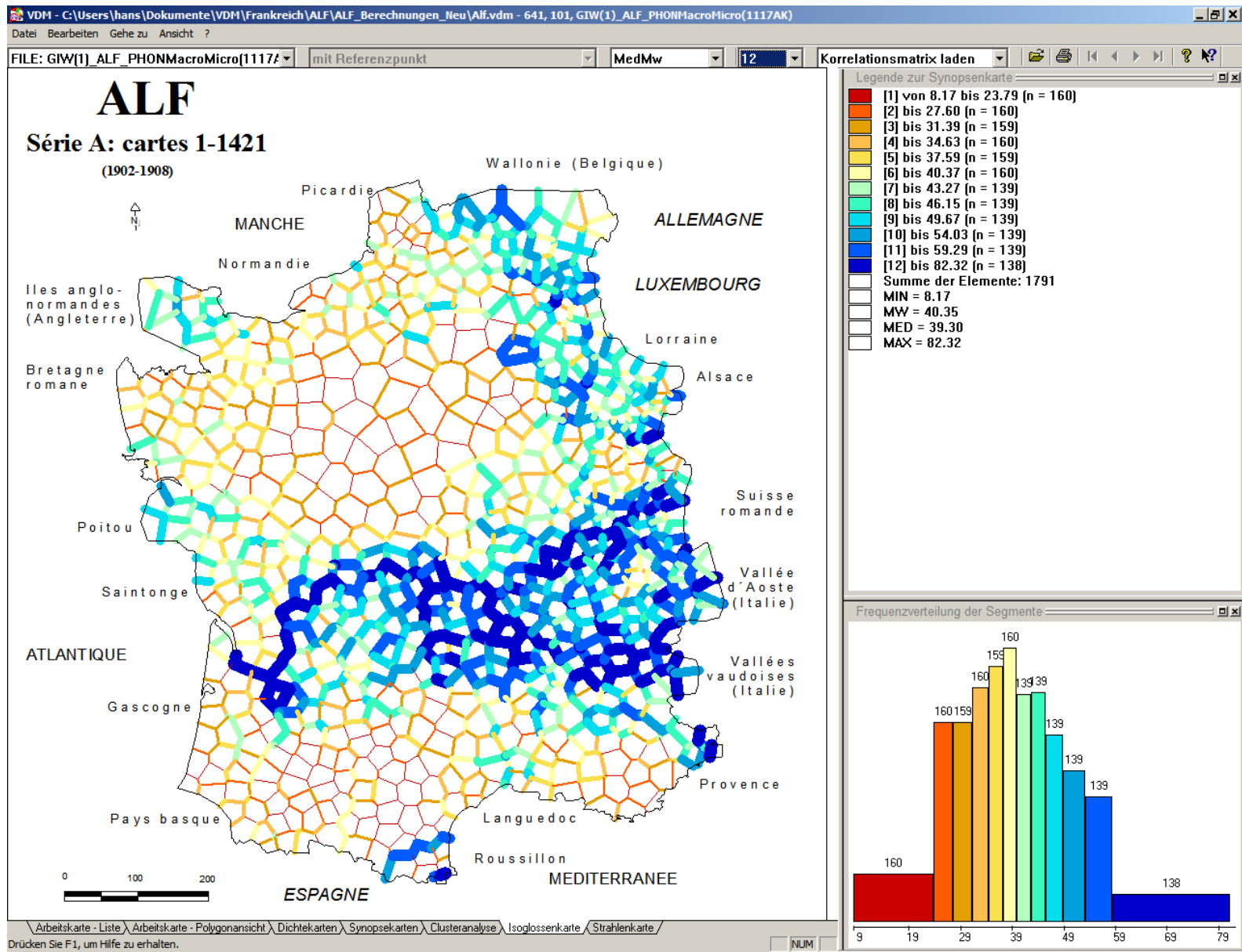


Traditional isogloss synthesis, drawn by Arvid Rosenqvist (1919) showing the general dialectal structure of GalloRomance (based on 68 ALF)



Karte 10: Sprachliches Gliederungsprofil Frankreichs und angrenzender Gebiete (nordfranzösischer, okzitanischer, katalanischer Bereich) nach dem ALF (adaptiert nach ROSENQVIST 1919, carte II)

Dialectometric isogloss synthesis of GalloRomance (based on 1681 ALF working



Draft of a “naïve” interpoint synthesis, drawn by Hans Goebel (1981) (based on 696 AIS working

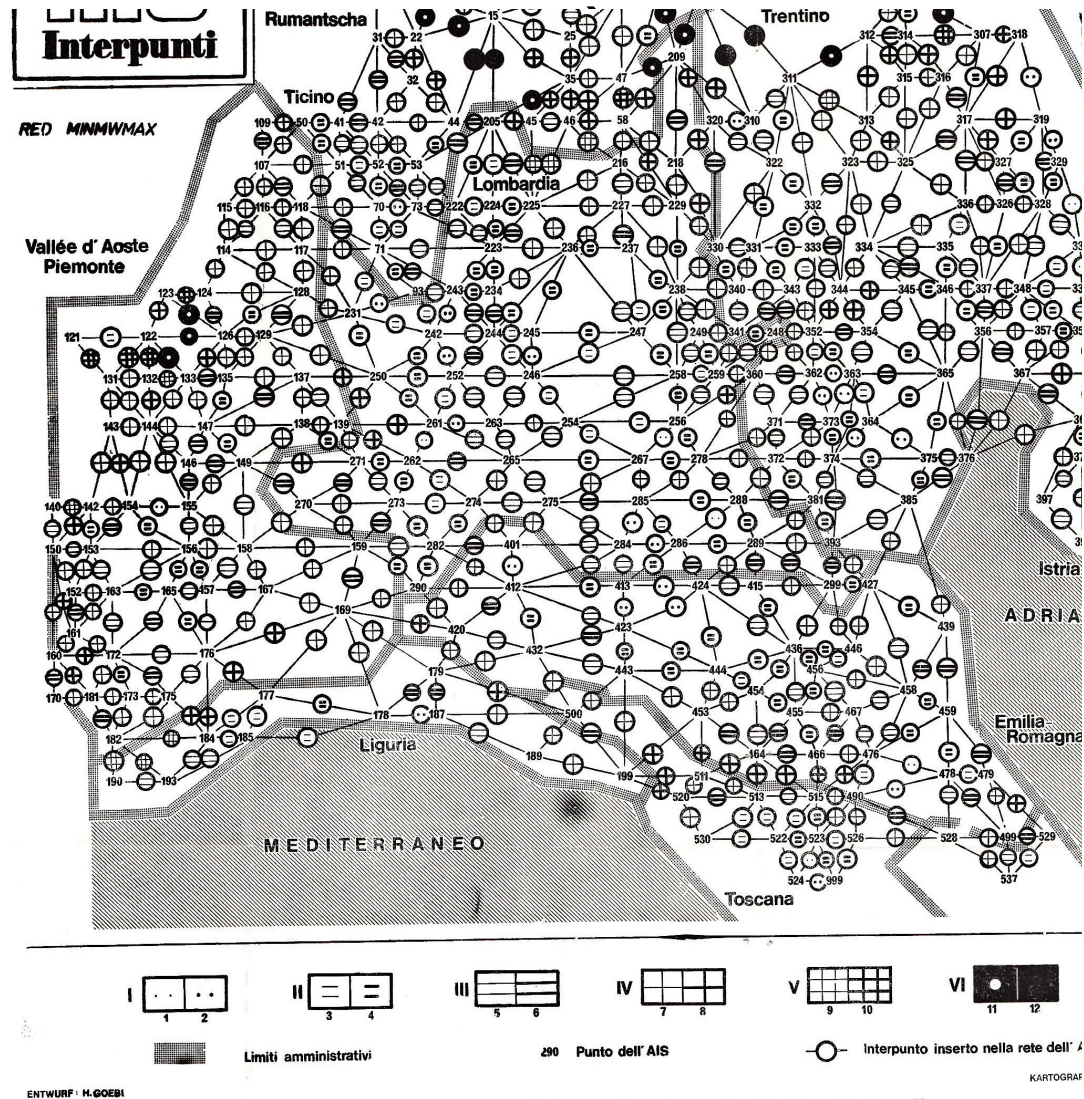


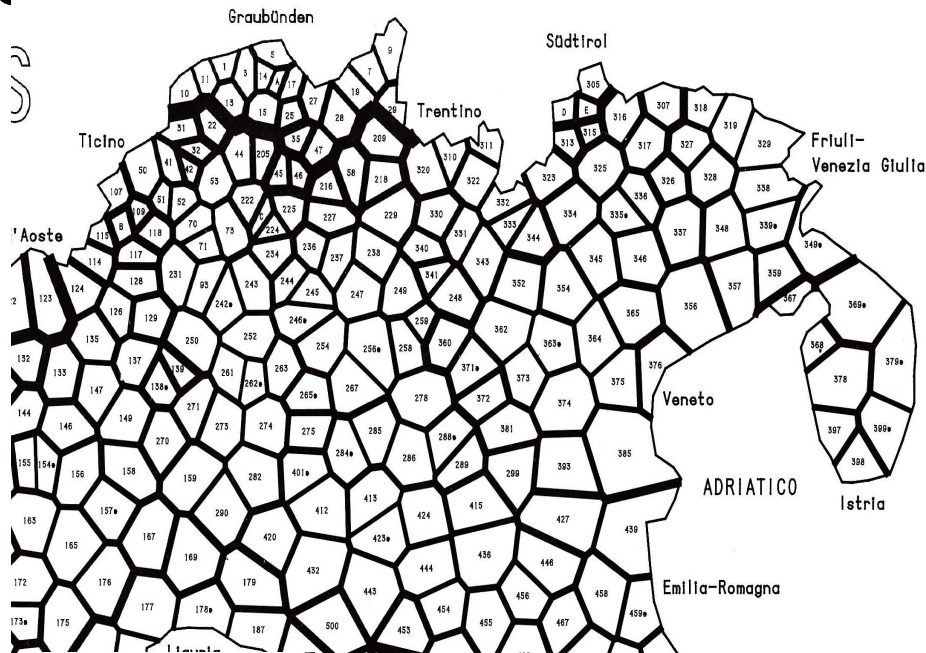
Figure 4: Carte isarithmique à interpoints (pour les limites d'intervalles voir la Fig. 3).

La logique du symbolisme cartographique utilisé prévoit, pour les intervalles situés au-dessous de la moyenne arithmétique (1-6) l'agencement des symboles (ponctuels ou linéaires) uniquement en horizontale, alors que

Dialectometric isogloss synthesis of Northern Italy,

by Hans Goebel (1984) (based on 696 AIS working maps): line

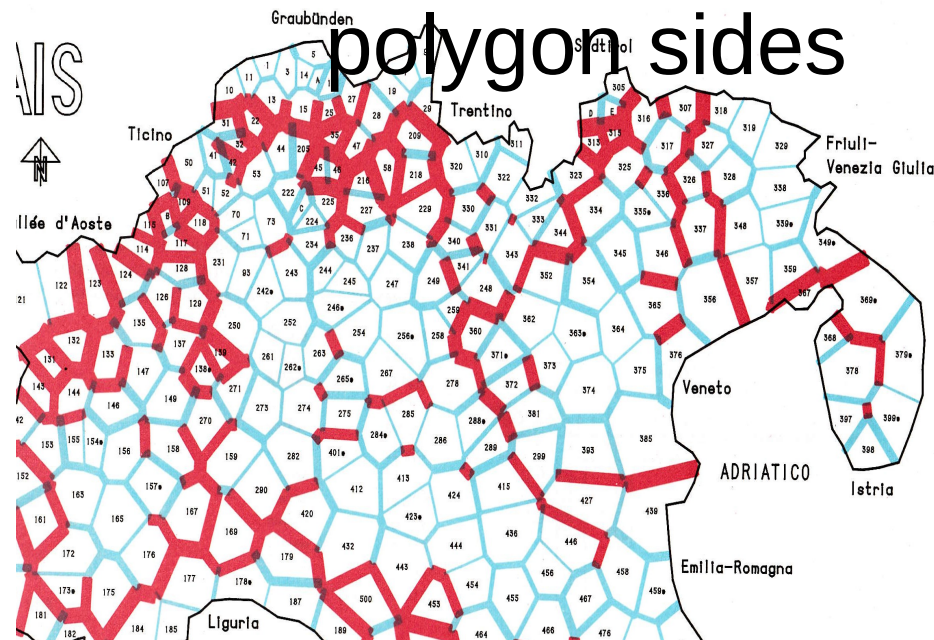
s of polygon



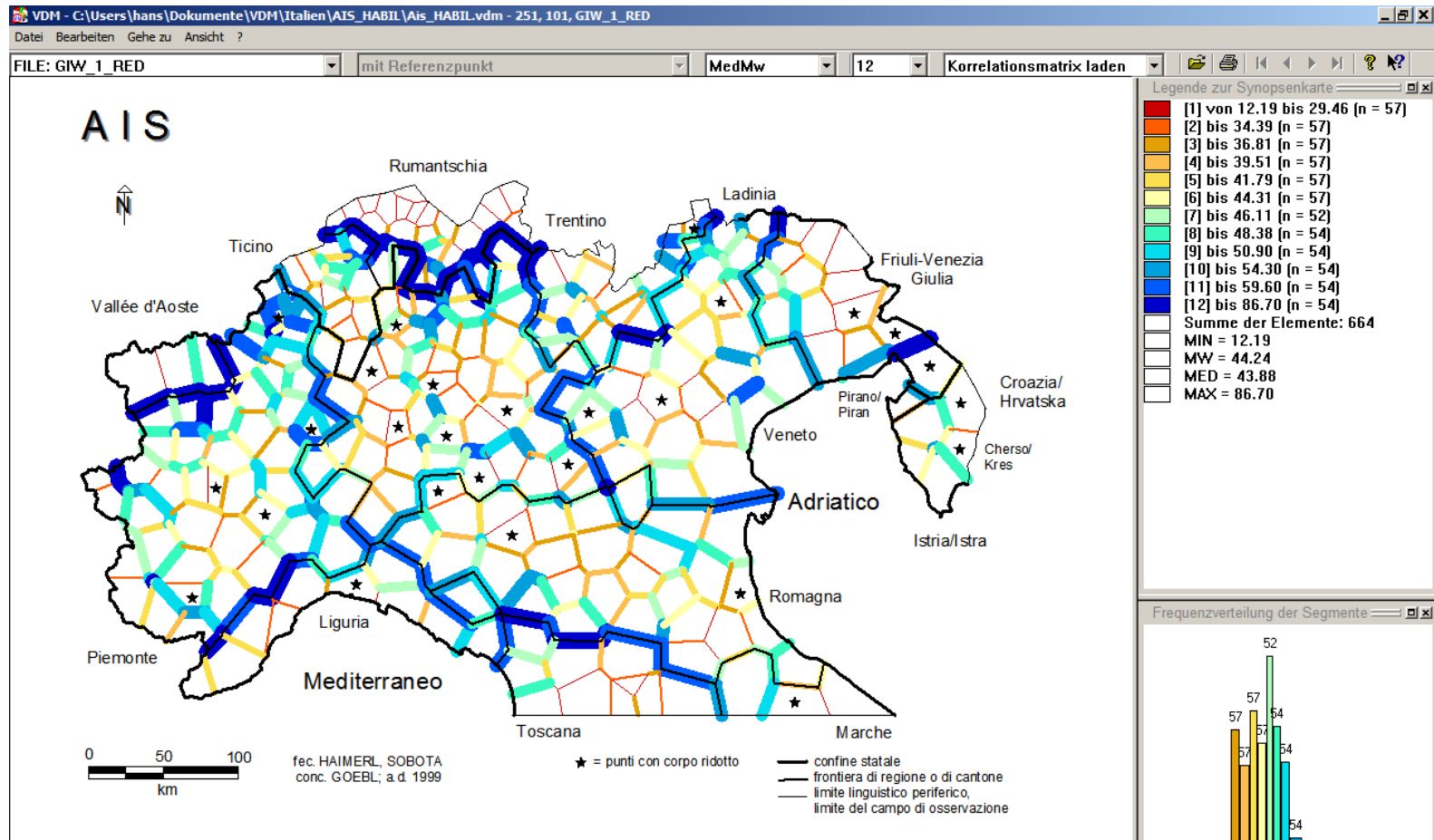
Dialectometric isogloss synthesis of Northern Italy,

Italy,

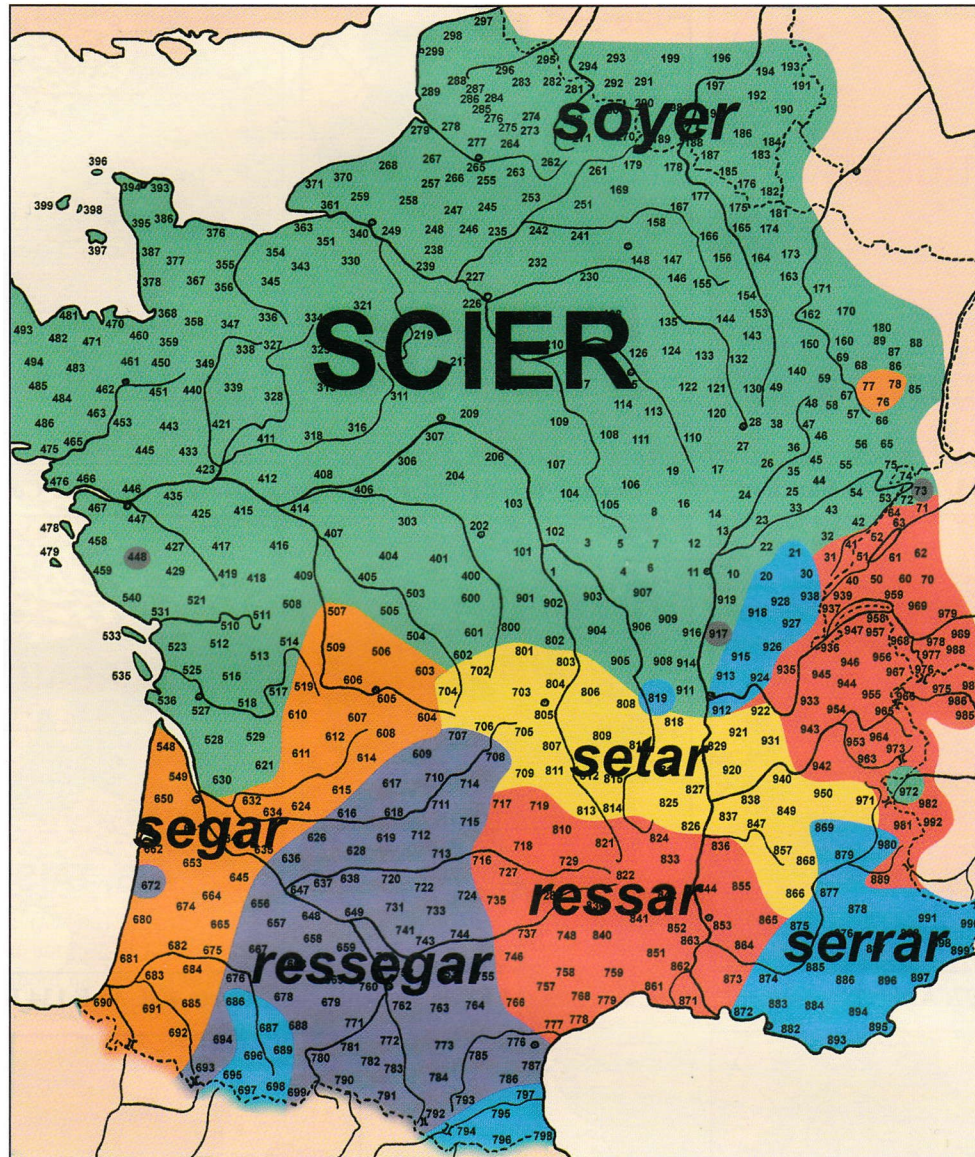
by Hans Goebel (1984) (based on 696 AIS working maps): algorithmic swelling and colouring of the



Dialectometric isogloss synthesis of Northern Italy (based on 696 AIS working maps, produced

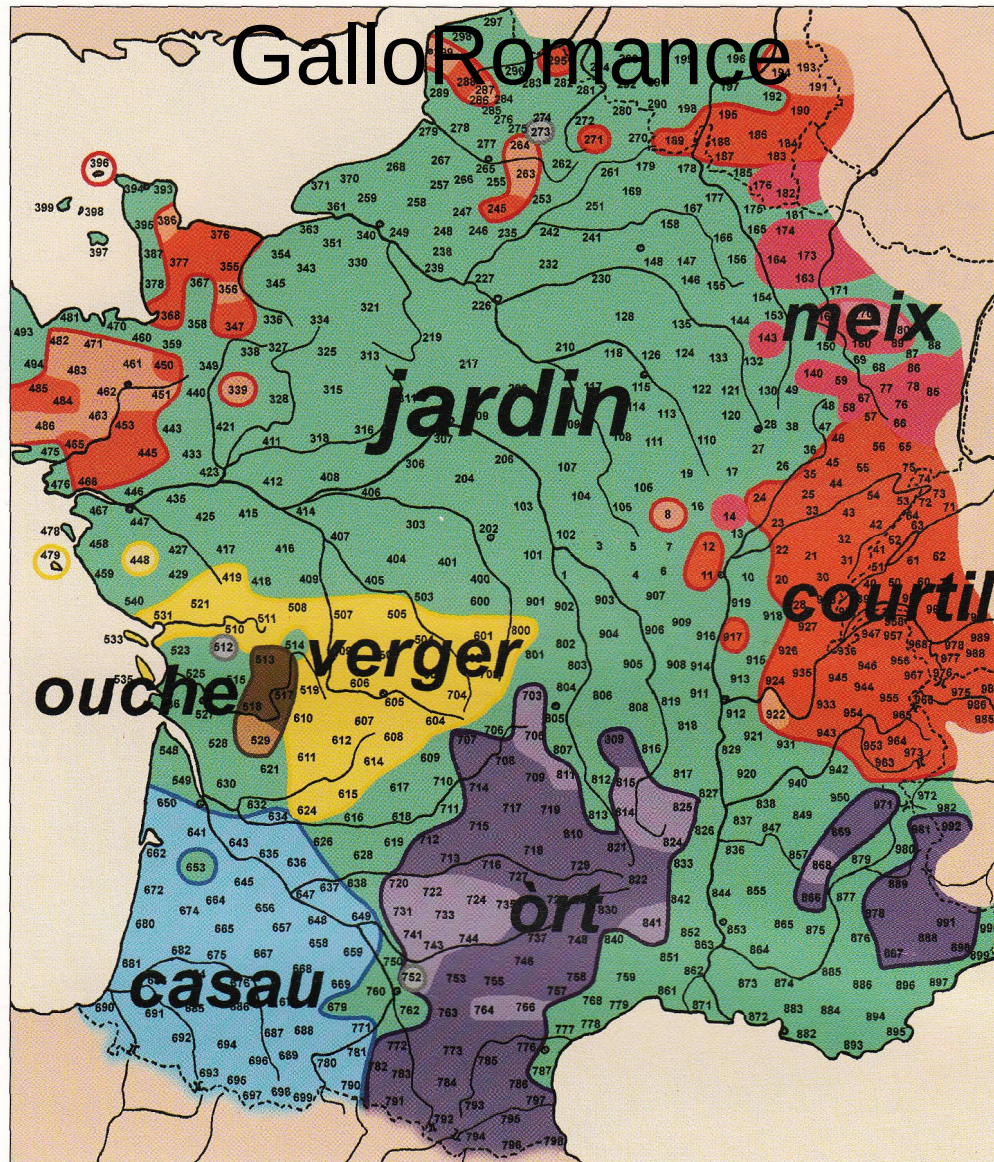


„Free style“ colour map, drawn by Guylaine Brun-Trigaud (2005): „to saw“ (*scier*) in GalloRomance



Carte 403. ALF 1206 Scier : aires lexicales

„Free style“ colour map, drawn by Guylaine Brun-Trigaud (2005): the „garden“ (*jardin*) in



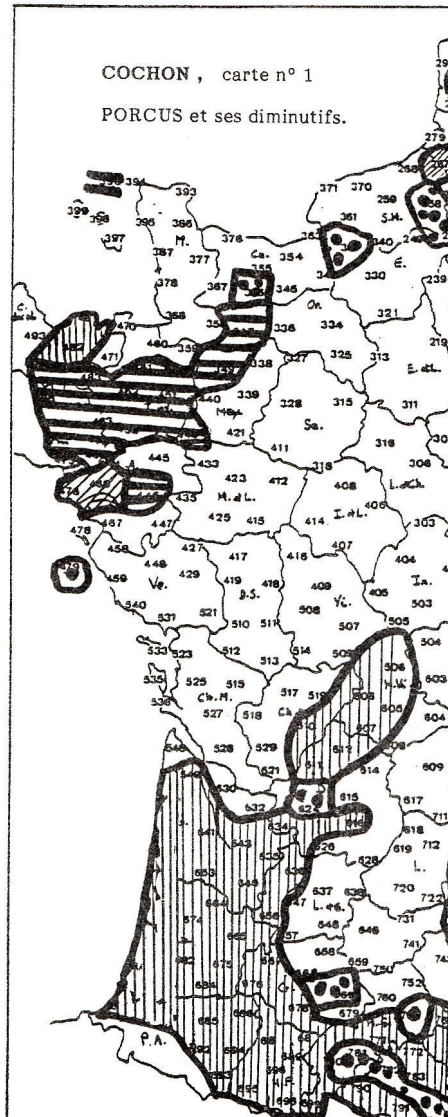
Carte 22. ALF 712 Jardin : aires lexicales

Free style“ line map, drawn by Gaston Tuailon (1976): the „pig“ (*cochon*) in GalloRomance

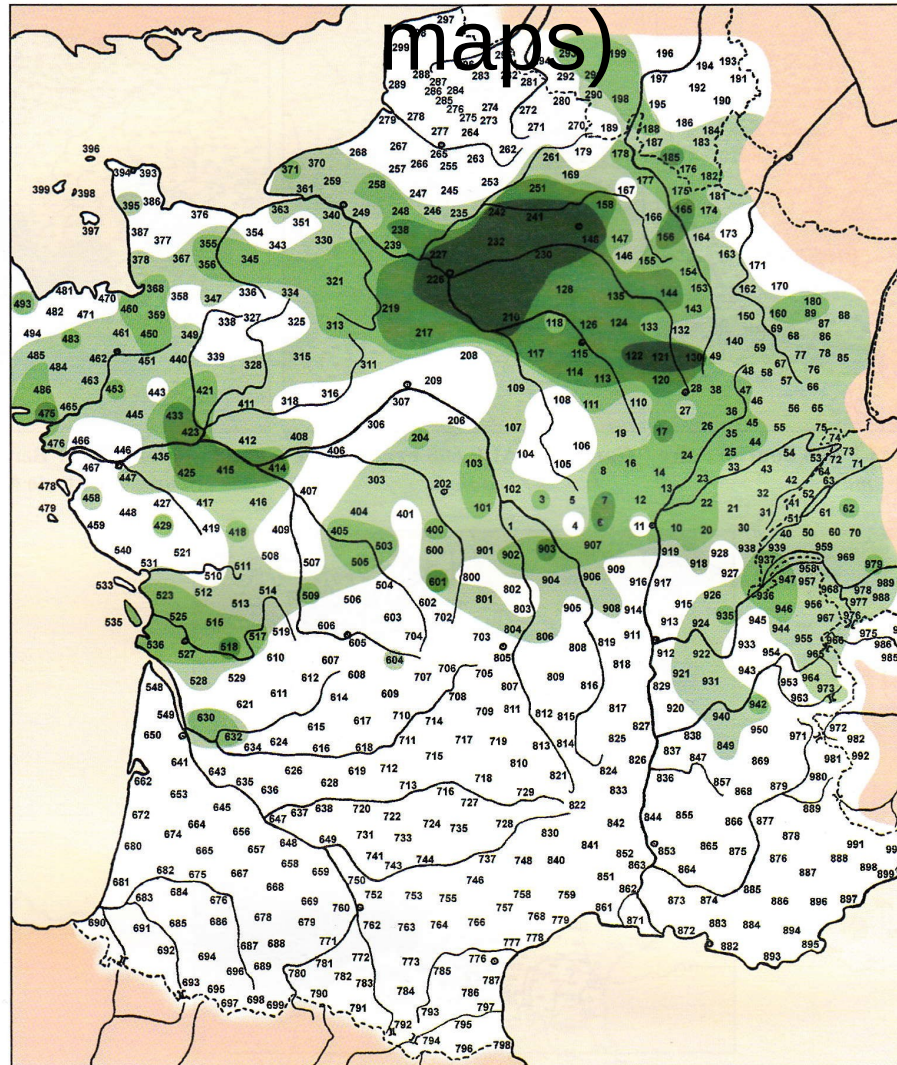
[pwork]. ou de façon très voisine
ient entre elles que par la diphtongaison
ou l'amuïssement de la consonne finale.
tinisation des Gaules, le domaine occitan
icale, au nord de Toulouse, avec le mot
ussel; autour de Limoges, avec gagnon.
des départements de Haute-Loire, de
cepté le mot lyonnais, cayon. Mais la
ion du mot latin. Nulle part en France,
maintenu.

[par, par, pwar, pwer] est fortement
son centre de rayonnement à Lyon.
if ordinaire de l'animal, dans les patois
ériphérie du domaine; mais des aires
e la concurrence entre les deux mots
t l'innovation centrale lyonnaise.

core plus rare : deux petites attestations
a Seine-et-Marne et de l'Aube, quelques
té du mot cochon, dans l'Eure, en Seine
conservatisme marginal dans les patois
sse Romande. Divers mots occupent le
in, gouril, pourceau, les quatre premiers
pourceau, des aires dispersées: Cette
ériphériques du domaine d'oïl se présente
arginal : 1°) les Vosges, 2°) la Wallonie
ane. On peut déduire de leur situation
rc et pourceau sont des désignations
d'oïl par les innovations qui rayonnent
son dérivé pourceau, la carte montre

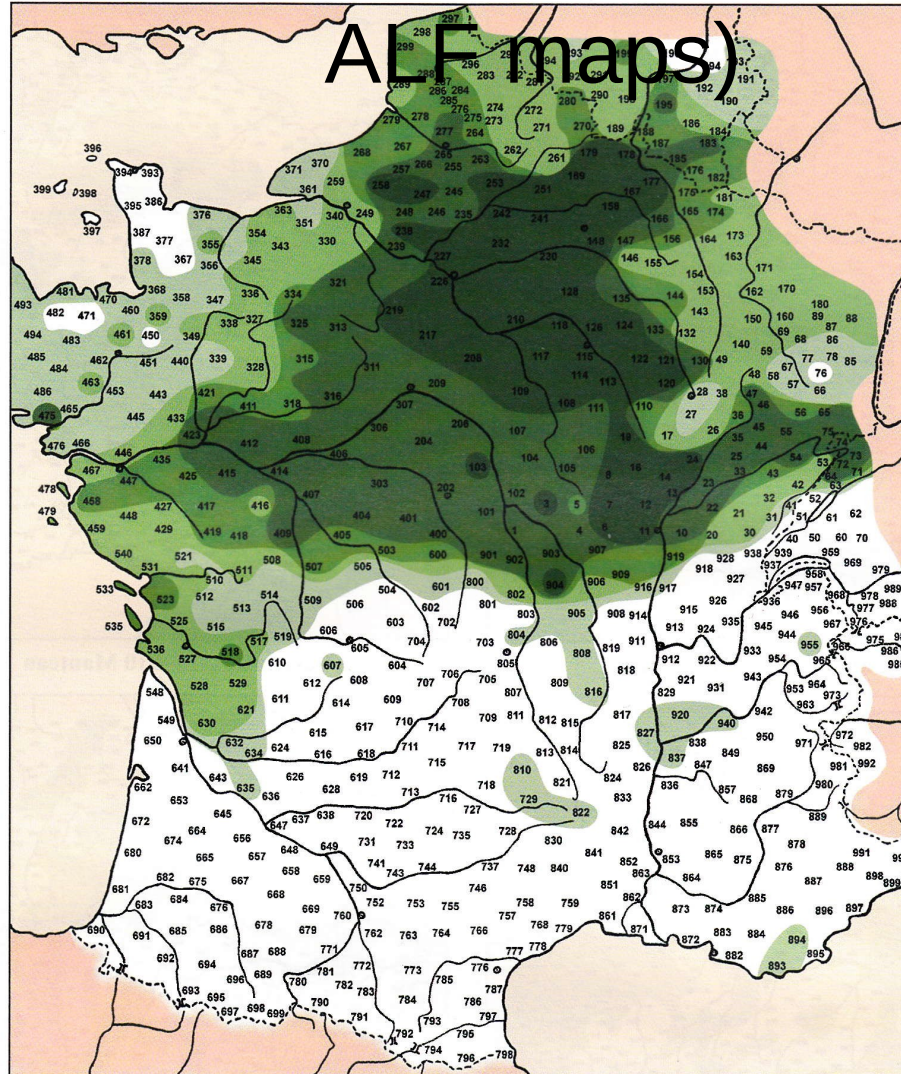


Density map, drawn by Guylaine Brun-Trigaud (2005) showing the variable diffusion of -o (< Latin -ÉLLU) in GalloRomance (based on 6 ALF



Carte 466. Carte de synthèse : traitement de -ELLU

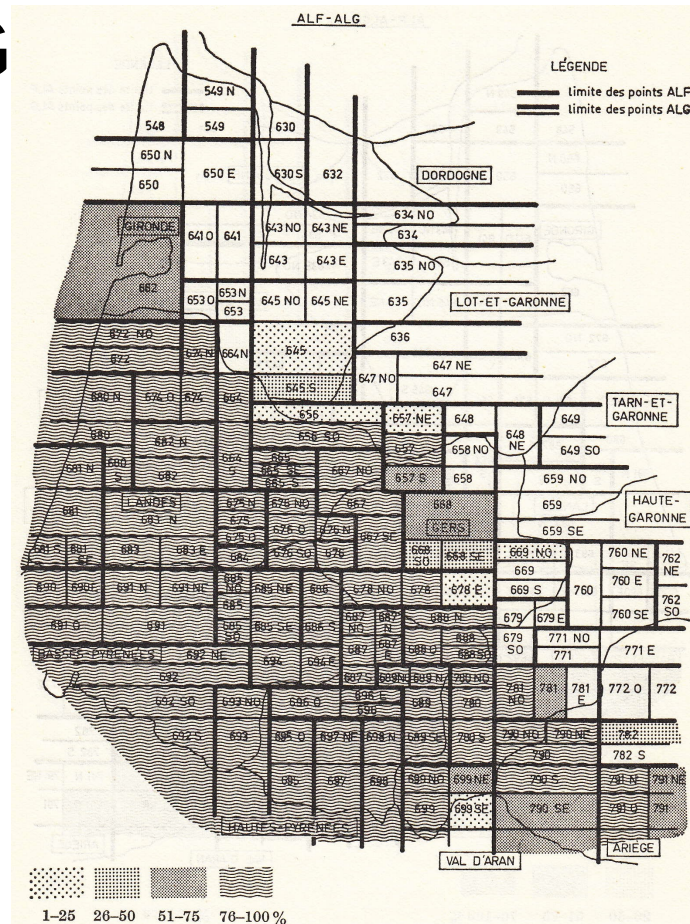
Density map, by Guylaine Brun-Trigaud (2005):
variable diffusion of the diphthongs -wε and -wa
(< stressed Latin -É) in GalloRomance (on 10



Carte 471. Carte de synthèse : traitement de E long

Density map, drawn by Hans Goebel (1973) in „naive“ city block technique, showing the variable diffusion of the enunciative particle *ké* in Gascony (based on 12 maps of „Atlas linguistique de la

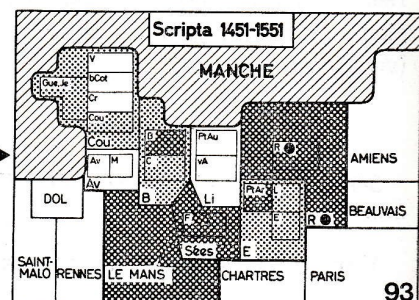
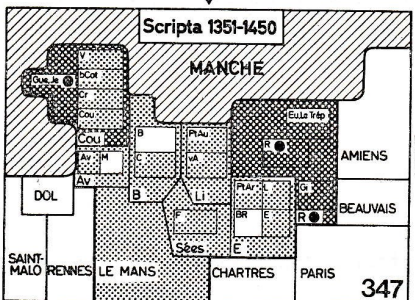
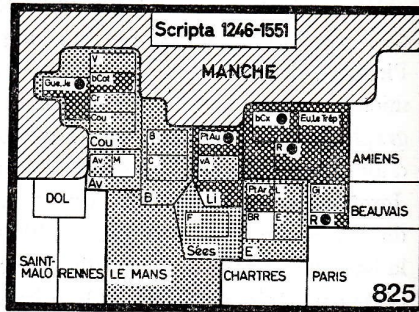
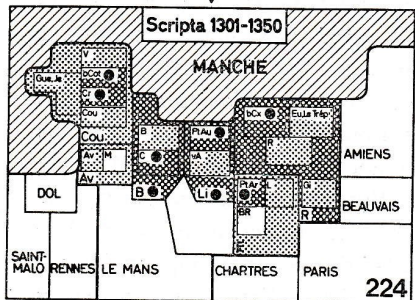
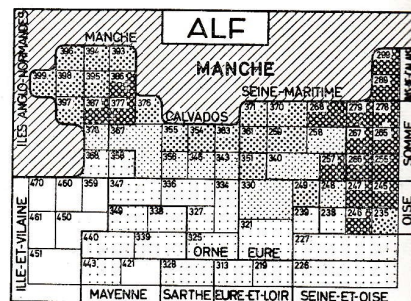
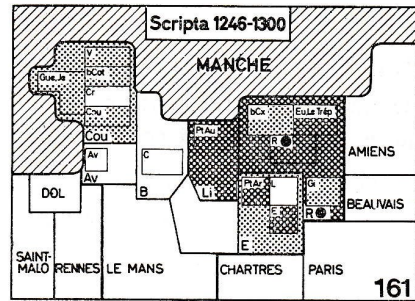
G



I)

Density maps, drawn by Hans Goebel (1979) in city block technique, showing the variable spatial diffusion of the conservation of Latin C+A in medieval documents and modern dialects of

nandy



LEGENDE (Scripta)

ORG y z

— limite de la Normandie
— limite de diocèse
— Av.B. diocèse
— centre scripturaire

b Bailli	Cot Cotentin	L Louviers
v Vicomte	Cou Coutances	LeTrép Le Tréport
A Auge	Cr Carentan	Li Lisieux
Av Avranches	Cx Caux	M Mortain
B Bayeux	E Evreux	PTAr Pont-de-l'Arche
BR Beaumont-le-Roger	F Falaise	PTAu Pont-Audemer
C Caen	Gi Gisors	R Rouen
	Guernsey	V Valognes
	Je Jersey	

LEGENDE (ALF)

1	2	3
4	5	6

— littoral normand
— limite de département
— limite entre les points ALF

Publication of geolinguistic data in (coherent) tables: „Tableaux phonétiques des patois suisses romands“ (TPPSR) (1925)

Col. 1-6

Tableau I ^a Col. 1-6, N° 1-31	1 Il fait	2 chaud	3 aujourd'hui	4 C'est	5 un bon	6 temps
I. Vaud	facit	caldu	hodie	est	bönu	tèmpus
1. Chevroix . . .	yè fā*	tsō	wè*	l è	ō bōn*	*tē(u)
2. Vaugondry . . .	fā	tsō	vui	s è	ōn' bōn	tā
3. L'Auberson . . .	i fō*	tsō	wè*	i fō*	bō	tē*
4. Vallorbe . . .	i fā	*bēt' tsō	(u)wē*	s è	ō* bō*	tā*
5. Le Sentier . . .	fā	tsō	uicē*	s èt	ōn' bōn*	tā*
6. Longirod . . .	ei fā*	tsō*	wi*	ei fā*	bōn*	tā*
7. Commugny . . .	ei fā*	so	wā	y è	ō bō	tā
8. Vullierens . . .	yè fā*	tsō	*wēd*	yè fā*	ō bōn*	tā
9. Arnex . . .	fā	tsō	vui	—	- bōn	tē*
10. Villars-le-Terrier	yè fā	*bēt' tsō*	wè*	l è	ō bōn	tē*
11. Pralins . . .	yè fā	tsō	wè	l è	ō bō	tē*
12. Montpreveyres . . .	yè fā	tsō	wā	l è	ōn bōn	*tē*
13. Charnex . . .	i fā	tsō	*wē*	l è	ō bō	*tē*
14. Roche . . .	i fā	tsō	wē*	l è	ō bō	tē
15. Ormont-Dessus . . .	yè fā	tsō	wè	y è	ō bō	tē
16. Château-d'Oex . . .	i fā	tsō*	wè	d è	ō bō	*tē*
II. Valais						
17. Saint-Gingolph . . .	fō	tsō*	wūē*	y èt	ō bō	tē
18. Collombey . . .	(é) fēi	tsō	*wā*	è fēi	ō bō	*tē(u)
19. Champéry . . .	è* fēi	tsō	wā*	l è	*ō* bō	tē*
20. Martigny . . .	fi	tsō*	wūē*	l è	ō* bō	tē
21. Orsières . . .	i fēi	tsā	*wā*	l è	*ō* bō	tē*
22. Lourtier . . .	(é) fi	tsō	wā*	è	ō bō	tē*
23. Fully . . .	i fēi	tsō	wā*	ll* è	ō* bō	*tē
24. Contley . . .	(i) fēi	tsō*	wūē*	l è	ō* bō*	tē
25. Nendaz . . .	i fē*	tsā	wēi	èt	ā* bō*	tā*
26. Savièse . . .	i fē	tsā	vui	l è	ōn' bōn	*tē
27. Ayent . . .	fēi	tsō	wēi	è	ō bō	*tē
28. Miège . . .	è fēi	tsāt	wēi*	y èt	ā* bōn	tē
29. Grône . . .	i fē	tsā	*wēi*	y èt	ān' bōn	*tē*
30. Évêlène . . .	i fē(u)	tsāt	wēi*	y èt	ān' bōn	*tē*
31. Grimentz . . .	i fē	tsā	wūē*	l èt	ā* bōn*	tē*

Remarques : 2, 4, 10 « bien ». — 3, 8 > wōd, aussi wēd. 13 > wē. 18 > wē. 21 > wāi. 29 > wēk. — 5, 19-21, 23-26 ou byō « beau ». 19, 21 nas. brèves. 23, 28, 31 nas. brève. 29 ou byō. — 6, 1 et 12 nas. brève. 13 > tē, nas. longue. 16 > tē, nas. brève. 18 nas. brève. 23, 27, 29, 30 nas. brève. 26 nas. brève, > tē.

Notations divergentes G. (nos 1, 17-31) et T. (nos 2-16) :

- 1, 1 > fā. 3 et 6 fā. 7 fa. 8 fā. 18 (è). 19 è. 25 fē. 30 ū.
 2, 4 bāi. 6 tsōu. 10 tsō. 16 tsō. 17 tsō. 20 tsō. 24 tsō.
 3, 1 wē. 3 wē(u). 4 wā. 5 wūē > wūē. 6 wē. 8 wēd. 10 wōd. 13 wē. 14 wā. 17 wē(u). 18 wā. 19 wēd. 20 wōd.
 22 wōd. 24 wāi. 28 wōd. 30 wēk.
 4, 3 fā. 6 fā. 8 fā. 23 il.

Col. 1-6

Tableau I ^b Col. 1-6, N° 32-62	1 Il fait	2 chaud	3 aujourd'hui	4 C'est	5 un bon	6 temps
III. Genève	facit	caldu	hodie	est	bönu	tèmpus
32. Collex . . .	i* fō	so	wē*	y è	ō bō*	tā
33. Vernier . . .	i* fā*	so	*wā*	y èt	ō bō	tā
34. Laconnex . . .	i* fō	tsō*	wā	y è	ō bō	tē*
35. Veyrier . . .	i* fā*	so	wā*	y è*	ō bō	tā
36. Hermance . . .	i* fā	so(u)	wē	y è*	ō bō	tā
IV. Fribourg						
37. Semsales . . .	i fō	tsō	vūē	y è	ō bō	tē
38. Montbovon . . .	*fa*	tsō	*wē	l è	ō bō	tē
39. Arconciel . . .	i fā*	tsō*	wē*	l è	ō bō	tē
40. Avry-sur-Matran . . .	fā	tsō*	wē	l è	ōn' bōn	*tē(u)
41. Courtepin . . .	yè fā	tsō	vūē	yēl' è	ōn bōn	tē*
42. Dompierre . . .	yè fā	tsō*	vūē*	l è*	ō* bō*	*tē*
43. Murist . . .	è* fā	tsō	vūē	l è*	ōn' bōn*	tē(u)
44. Sugiez . . .	yè fā	tsō	wē	l e*	ō* bō*	tē(u)
V. Neuchâtel						
45. Montalchez . . .	è fā	tsō	vui	s è	ō bōn	tē*
46. Boudry . . .	è fā	tsō*	wi	s è	ō bō	tā*
47. Corcelles . . .	è fā	tsō*	wi*	s è	ō bō	tā
48. Landeron . . .	e* fa*	tsō(u)*	wi	s e*	ō bō	tā*
49. Savagnier . . .	è fā	bā tsō	vui*	s è	ō bō	tā
50. Côte-aux-Fées . . .	i fē	tsā	ādjàdī	s è	ō bō	tā
51. Noiraigue . . .	è fē	tsā	wi	s è	ō bō	*tē*
52. Chaux-du-Milieu . . .	i fā	tsō	wi	s è	ō bō	*tē*
53. Cerneux-Péquignot . . .	i fā	bt *tsō	*ādjàdī	s a	i* bā	*tā
VI. Jura bernois						
54. Lamboing . . .	è fā*	tsō	*ākū	s è	ō bō	tē*
55. Orvin . . .	è fā*	tsō*	ōkē*	s è	ō bō	tē
56. Plagne . . .	a fē	tsō*	ōkē*	s è	ān' bā*	tē
57. Sombeval . . .	a fē	tsā	*ōkē*	s è	ō bō	tē
58. Court . . .	a fā	tsō	ōkē*	s è	ō bō	*tē
59. Vermes . . .	ā fā	tsā	*ākē*	s ā*	i bō*	*tā*
60. Develier . . .	ā fā	tsā	ādjàdī	s ā	i bō	tā*
61. Cerlatez . . .	e* fā	*tsā	ādjàdī	s ā	i* bō*	*tā
62. Courtoudoux . . .	è fā*	tsā	ādjàdī*	s ā	i bō	tā

Remarques : 1, 38 construction : auj. f. ch. — 2, 53 > tē. 61 > tēd. — 3, 33 > wā. 38 > wē. 53 > -è. 54-59 correspond au v. fr. *ancui*. 57 > òkē. 59 nas. très brève. — 5, 40 nas. brève. 53 > bō. 61 A. F. bā. — 6, 40 nas. brève. 42 > tē. 51 > tē. 52 > tē, nas. longue. 53 nas. brève. 58 > tē. 59 > tē. 61 A. F. > tē.

Notations divergentes G. (nos 37-53) et T. (nos 32-36, 54-62) :

- 1, 32, 34, 36 > fō. 35 > fōu. 38 fā. 39 fā. 43 è. 48 è fā. 54 fā. 55 fā. 61 ā. 62 fē.
 2, 34 so. 39, 40, 42, 46 tsō. 47 tsō. 48 tsōu. 55 tsōu. 56 tsō. 60 tsō.
 3, 32 wē. 39 wē. 42 wē. 47 wē. 49 wūē. 56 òkē. 58 > òkē. 59 òkē. 62 ajēdē.

Publication of geolinguistic data in (dispersed) tables: „Survey of English Dialects“ (SED) (Basic Material, 1962–1971)

SURVEY OF ENGLISH DIALECTS: NORTHERN COUNTIES

sbənz 2 g^ou:sgɒbz 3 gɪəsgɒbz 4 g^ou:sgɒbz

sbənz 2 g^ou:sgɒbz 3-4 gu:sbənz 5 göusgɒgz 6 gu:sbənz
 7zgɒgz 8 g^ou:zbənz, g^ou:zgɒbz [“older”] 9 ʔg^ou:sbənz, g^ou:sgɒbz
 10zgɒgz 11 ʔbən 12 gɒzbənz, g^ou:zbənz 13 g^ou:zbənz 14
 zgɒgz [“older”], g^ou:zbənz

ösgɒbz, ʔg^ou:zbənz¹ 2 gɪəsbənz 3 gu:sgɒgz 4 ʔgɪəsbənz
 5sbənz 6 gɪəsbənz, gu:sgɒbz 7 gəɒsgɒgz 8 gɪəsbənz 9
 bənz 10 gɪəsgɒbz 11 p. gɪəsgɒgz, ʔgɪəsbənz⁴, ʔgɪəsgɒbz⁴ 12
 bənz 13 gu:sbənz 14 gɪəsgɒbz 15 gu:sbənz 16 g^ou:sbənz,
 sgɒbz 17 g^ou:sgɒbz, g^ou:sbənz [“modern”], ʔg^ou:sbənz³ 18 gu:s-
 z, gu:sgɒbz, p. gɒzsgɒbz 19 gu:sgɒbz 20 ʔgu:sbənz, ʔgu:zbənz³
 ʔusbənz, ʔusənz [pref.] 22 gu:sgɒbz 23 gu:sgɒbz 24 gu:sbənz
 ʔusbənz, gu:sgɒgz, gɪəsgɒgz, ʔgɪəsbənz⁴, ʔgɪəsgɒbz⁴ 26 gɒzsgɒbz
 ʔusbənz 28 gu:sbənz, gu:sgɒbz [pref.] 29 gɒzsgɒbz 30 ʔusbənz,
 sgɒbz [“more modern”] 31 ʔusbənz, ʔusgɒbz 32 ʔgɪəsbənz,
 ʔsgɒbz [“older”] 33 ʔgɪəsbənz, ʔgɪəsgɒbz 34 gɒzbənz, gu:zgɒbz
 ang”]

1zbənz 2 ʔgɪəzbənz

IV.11.3 BILBERRIES

Q. What do you call those dark blue berries the size of a pea, growing on a low plant on the moors? You make pies with them and the juice stains your teeth.

IL/BLAE/BLUE/WIM(BLE)/WIN-BERRIES, BILBERS,
 AW-CROOKS

e:bəkɪz 2 bilbəkɪz 3 ble:bəkɪz, kɛ:kɒkɒs [“older”] 4 bli:bəkɪz
 5bli:bəkɪ 6 n.a. 7 ble:bəkɪs 8 bli:bəkɪz 9 bli:bəkɪz

RESPONSES: BOOK IV

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5 La 1 ʔble-əbənz 2 bla:bənz 3 bilbənz 4 ʔbilbəri 5-6 bilbənz 7
 s.w. bilbənz 8 wimbənz 9 ʔwimbəri 10 ʔwimbəri 11 wimb|bəri
 12 wimbənz 13 n.k. 14 winbənz

6 Y 1 bli-əbənz 2 bilbən, ʔblu:bən [az ga-in blu:bən-in I'm going blue-
 berrying] 3 ʔbli-əbənz 4 ir.r. 5 bli-əbənz 6 bli-əbənz 7-8 bil-
 bənz 9 bli-əbənz 10 bli-əbənz 11 bli-əbənz 12 bli-əbənz,
 bilbənz 13-14 bilbənz 15 bli-əbənz 16 bli-əbənz 17 bilbənz
 18 p. bilbənz 19-20 bilbənz 21 bilbənz 22 bilbənz 23 ʔbilbəri
 24 s.w. bilbənz 25 bilbən 26-27 bilbənz 28 p. bilbənz 29
 bilbənz 30 bilbən 31-34 bilbənz

Man 1 ʔbilbəri, ʔbleibəri 2 bli-beris

IV.11.4 POISONOUS†

Q. If you know a berry will kill you if you eat it, you say it is . . .

Rr. POISON(OUS), ʔVERY DEADLY

Note 1—See IV.11.5 for additional forms of POISON(OUS).

Note 2—I.m. forms of POISON v. are enclosed within square brackets below with-
 out comment.

1 Nb 1 pɒzn 2 pɒznəz 3 pɒzn 4 pɒzn 5 pɒznəs 6 s.w. pɒzn
 7-8 pɒzn 9 pɒzn

2 Cu 1 pɒzn 2 pɒznəz 3 pɒzn, s.f. pɒzn [rare] 4 pɒzn 5 pɒzn
 6 pɒzn

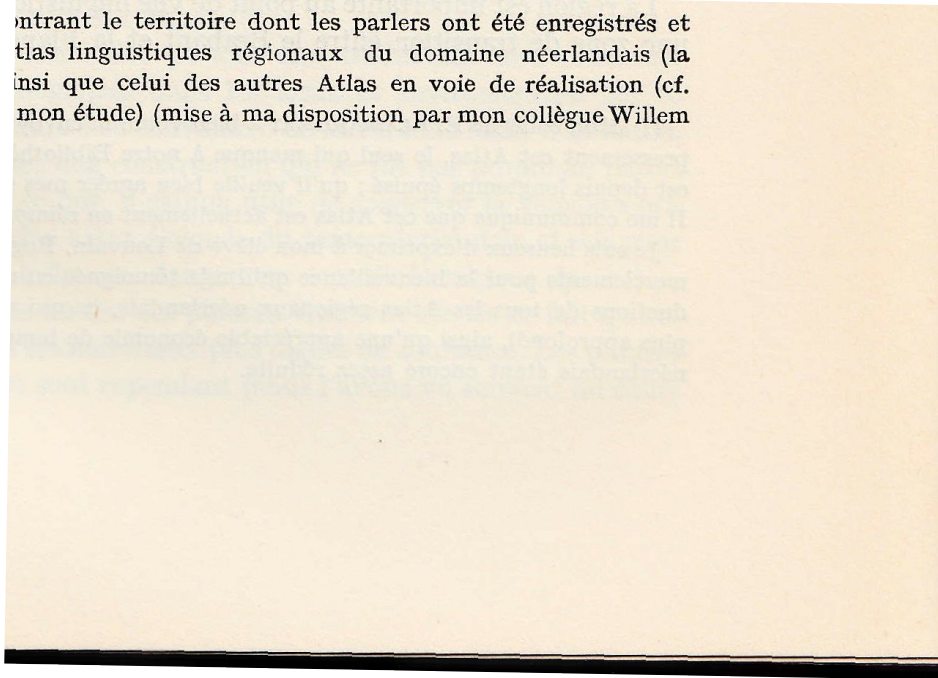
3 Du 1 pɒzn 2-3 pɒzn 4 pɒznəs 5-6 pɒzn

4 We 1 pɒzn [pɒzn] 2 pɒznəs 3-4 pɒzn

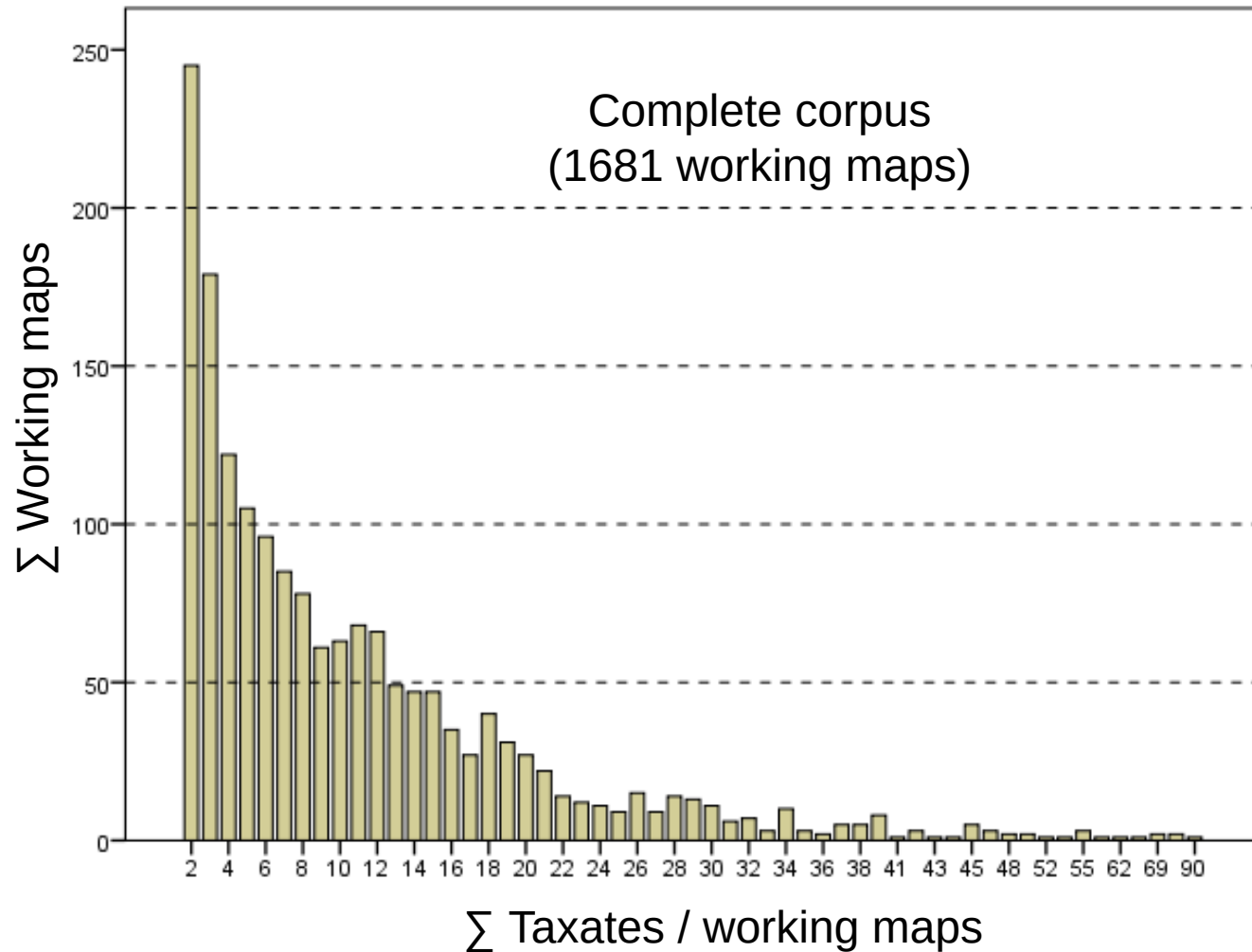
5 La 1-2 pɒzn 3 pɒzn, pɒzn [“older”] 4 pɒzn 5 pɒzn 6 pɒzn
 7 pɒzn, pɒznəs [pɒzn; blɒdpɒzn³ blood-poison] 8-9 pɒzn 10
 11 pɒzn, pɒznəs [pɒzn; blɒdpɒzn³ blood-poison] 12 pɒznəs 13 pɒznəs 14

Map of the 16 sub-atlases of the series „Reeks Nederlandse Dialectatlassen” (RND) (1925–

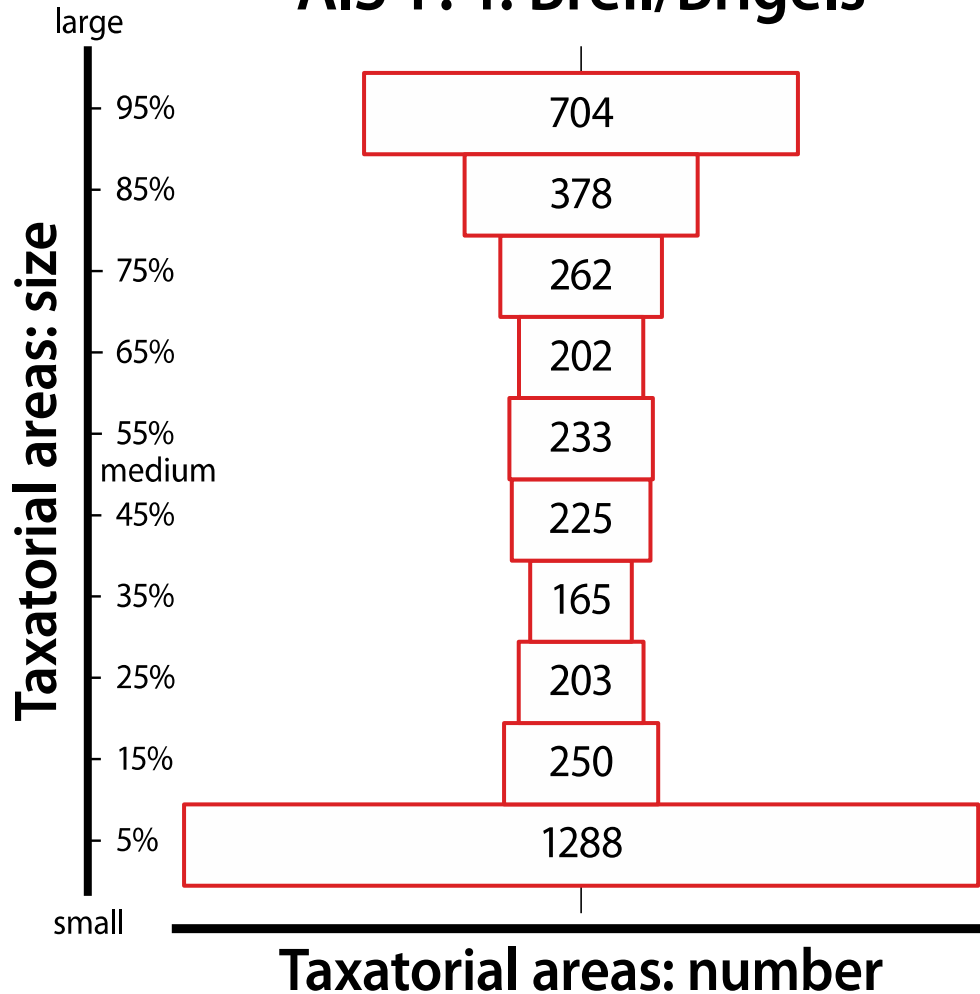
montrant le territoire dont les parlers ont été enregistrés et
atlas linguistiques régionaux du domaine néerlandais (la
insi que celui des autres Atlas en voie de réalisation (cf.
mon étude) (mise à ma disposition par mon collègue Willem



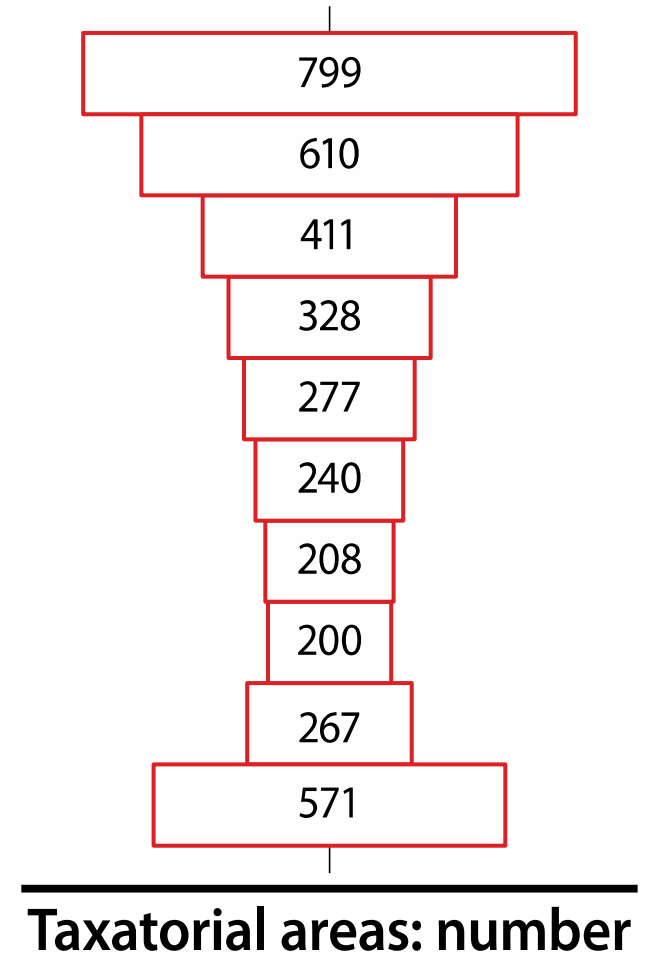
Histogram of relation between *map polynymy* (2–90) and the *number* of corresponding working maps



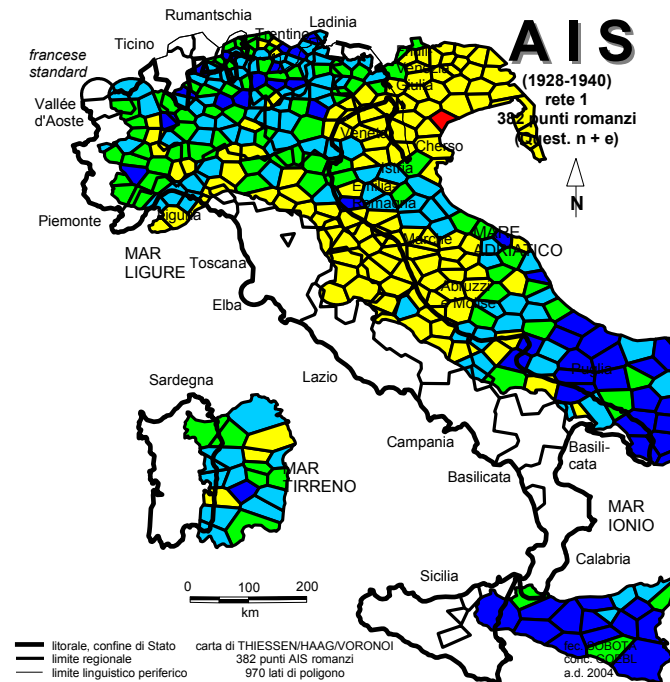
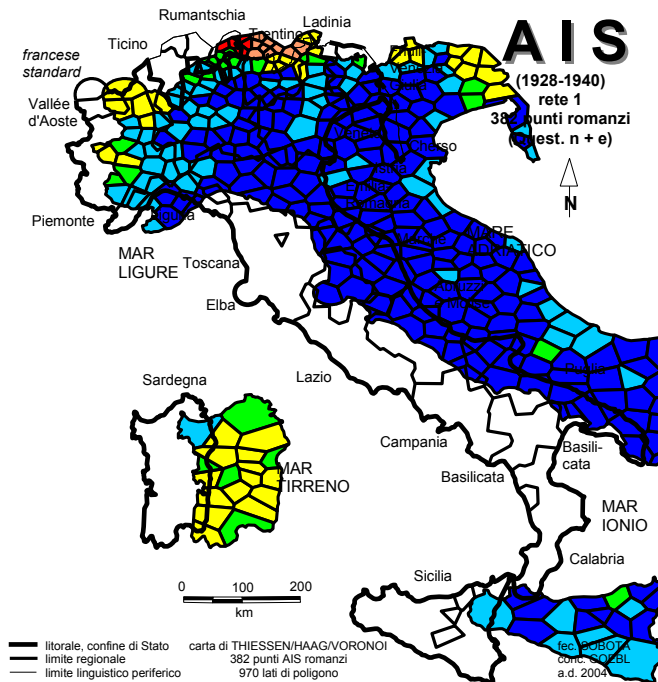
Peripheral locality AIS-P. 1: Breil/Brigels



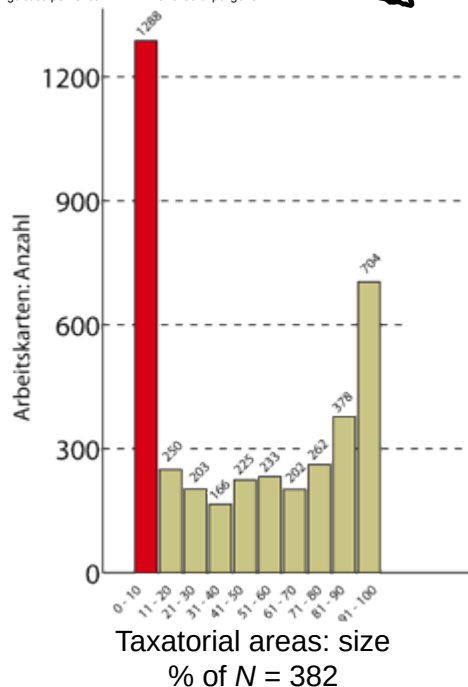
Central locality AIS-P. 376: Venice



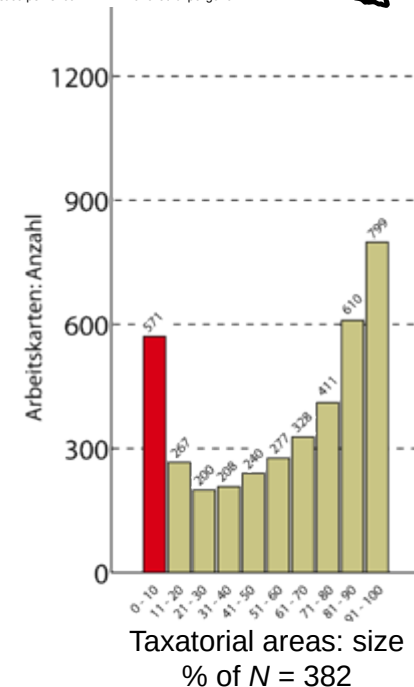
Density maps: superposition of taxatorial areas of different size



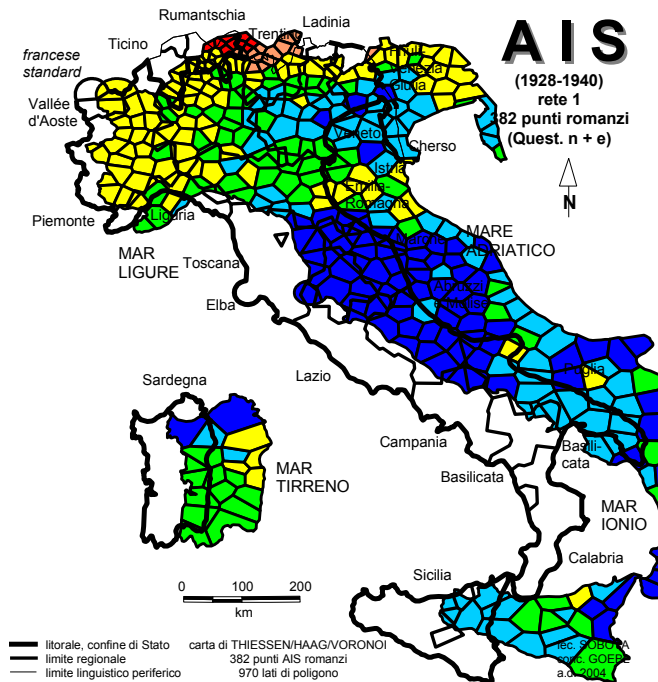
AIS point 1:
Breil/Brigels
(Surselva,
Graubünden,
Switzerland)



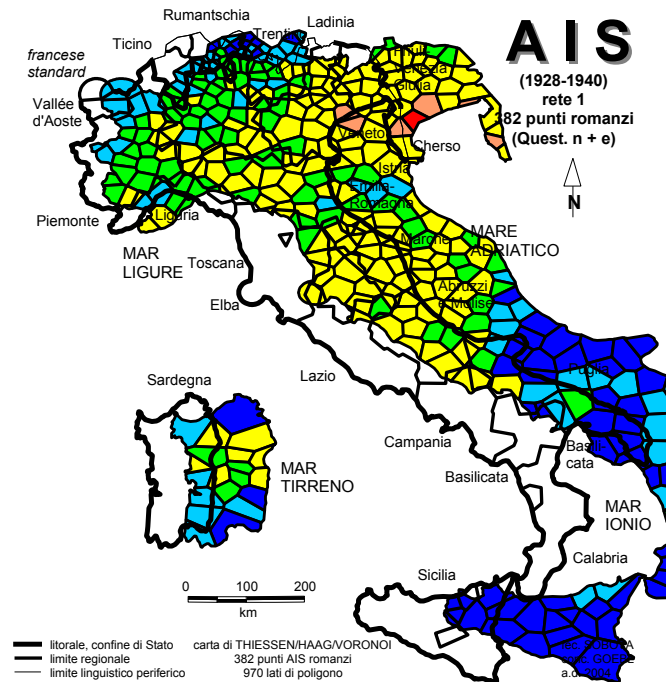
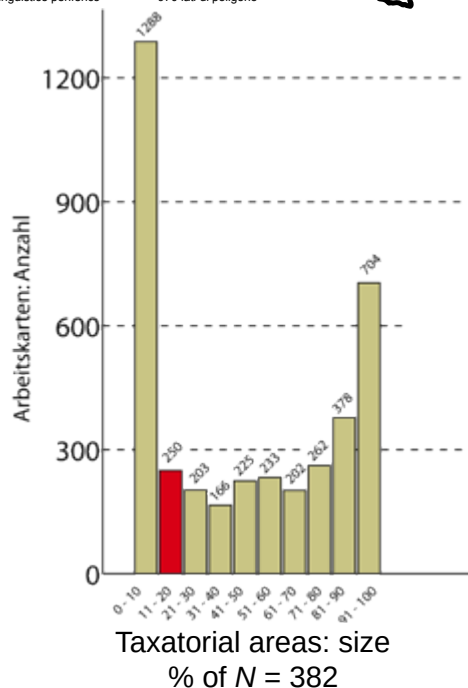
AIS point 376:
Venezia/Venice
(Veneto, Italy)



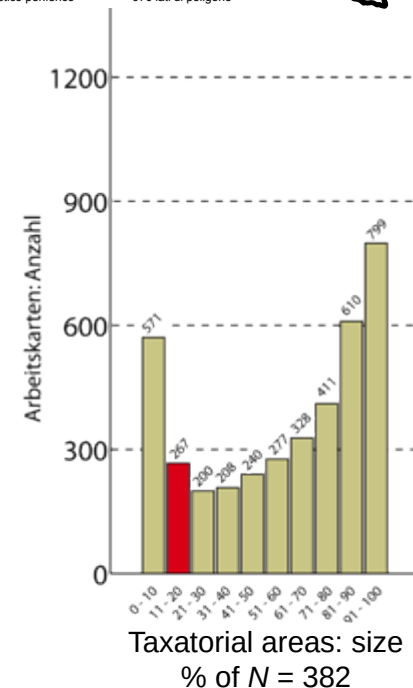
Density maps: superposition of taxatorial areas of different size



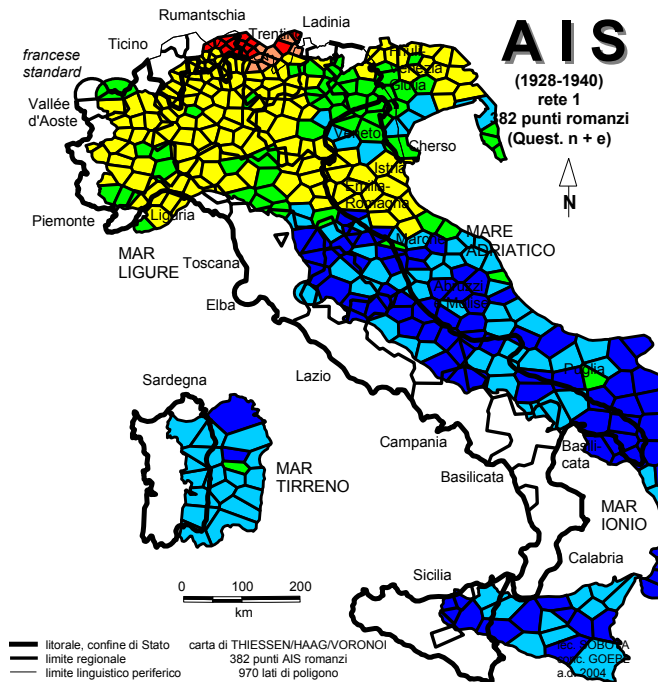
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Breil/Brigels
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Graubünden,
Switzerland)



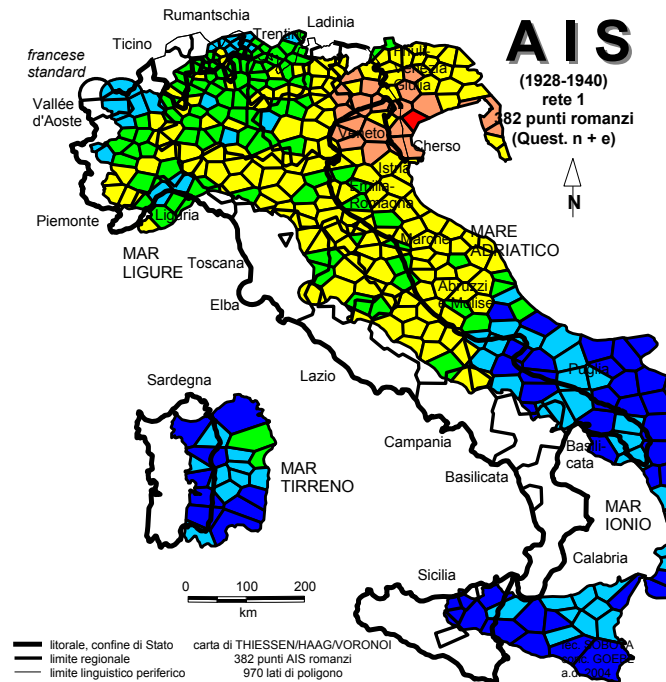
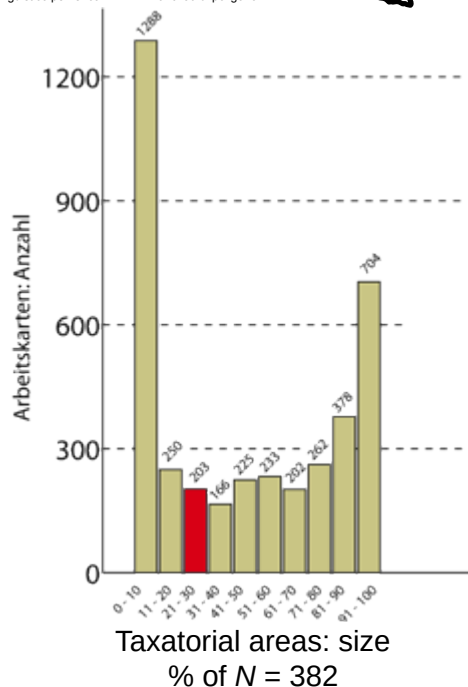
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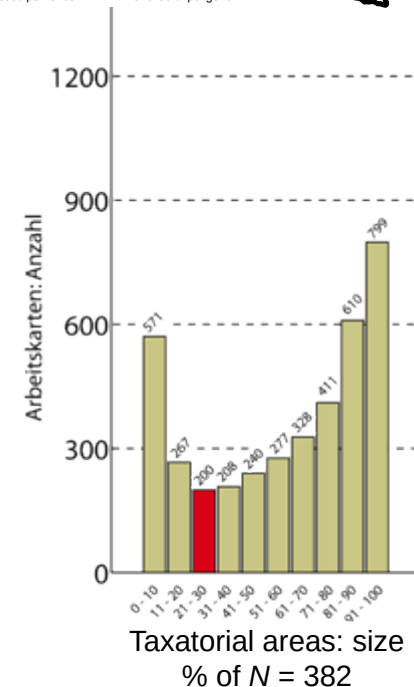
Density maps: superposition of taxatorial areas of different size



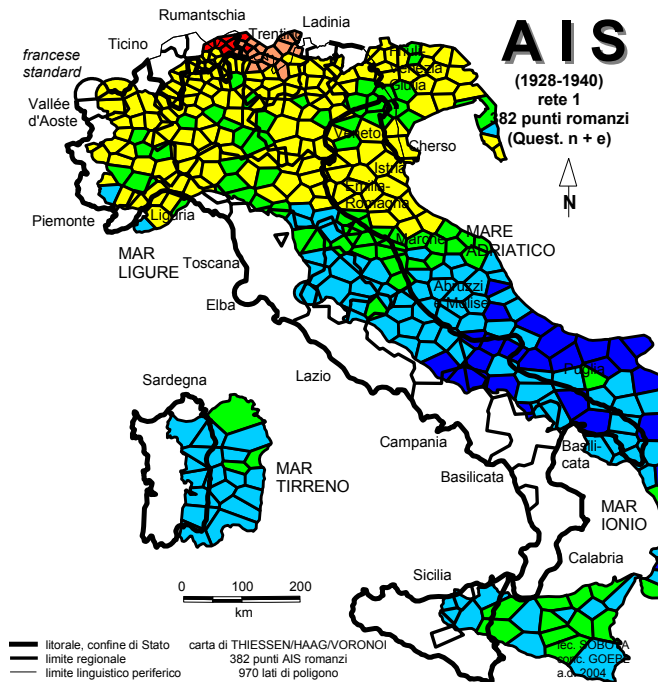
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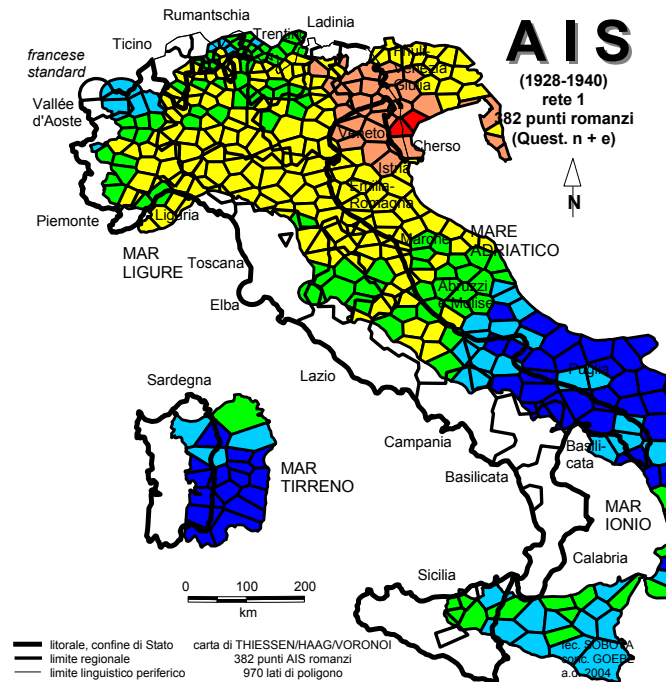
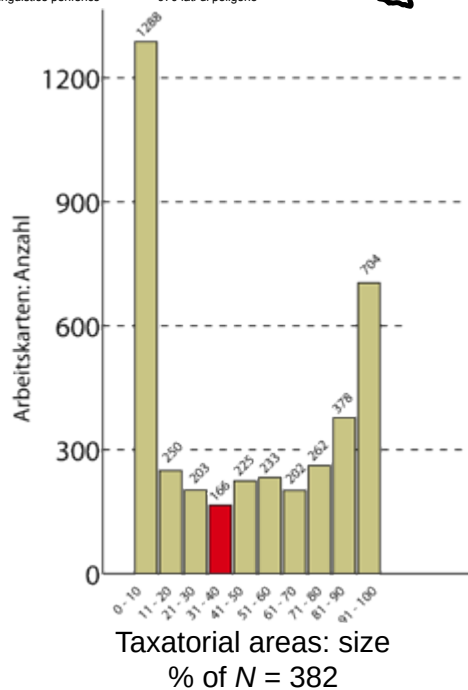
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Venezia/Venice
(Veneto, Italy)



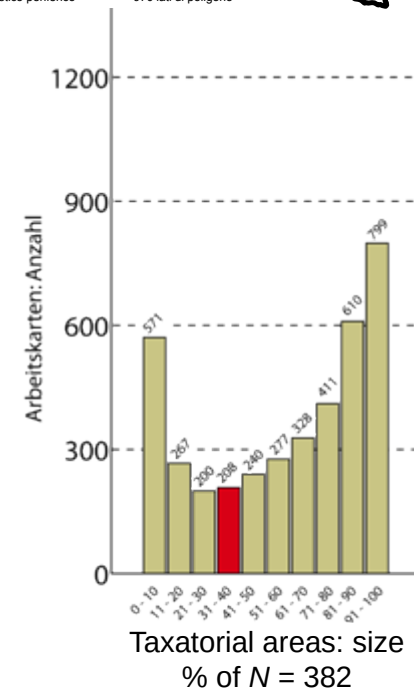
Density maps: superposition of taxatorial areas of different size



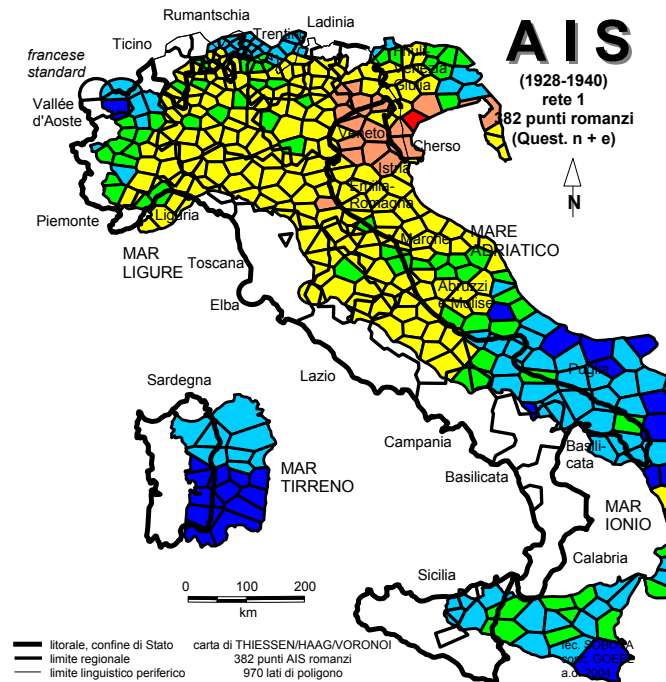
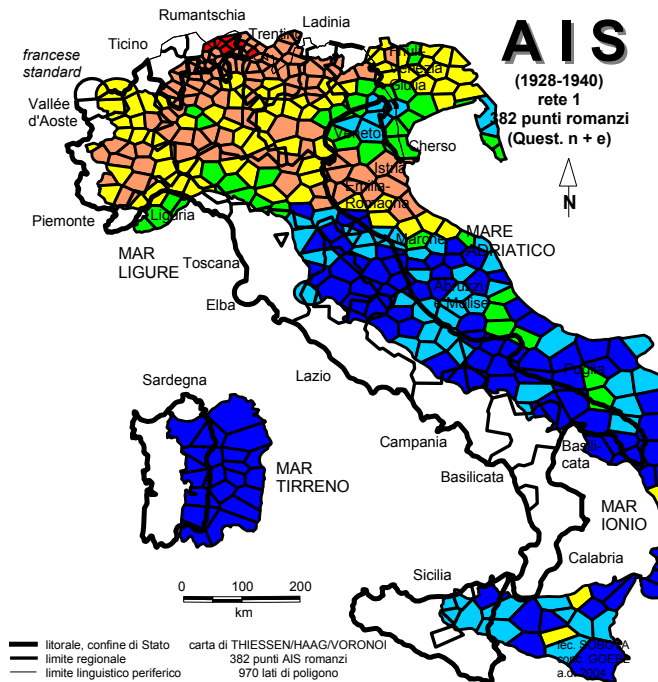
AIS point 1:
Breil/Brigels
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Graubünden,
Switzerland)



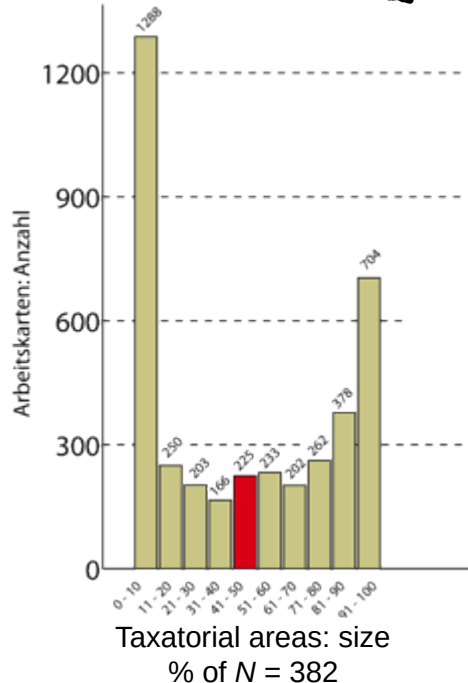
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(Veneto, Italy)



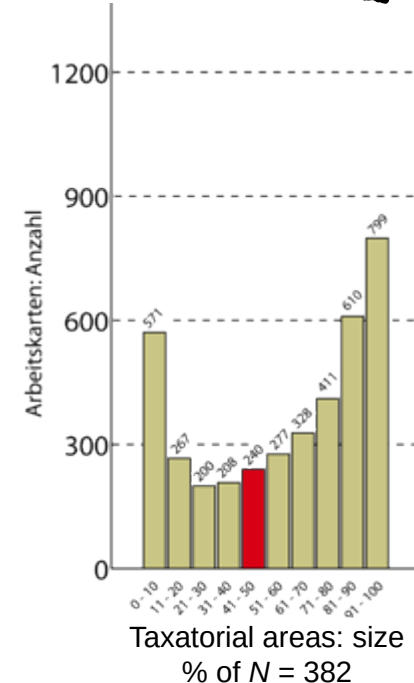
Density maps: superposition of taxatorial areas of different size



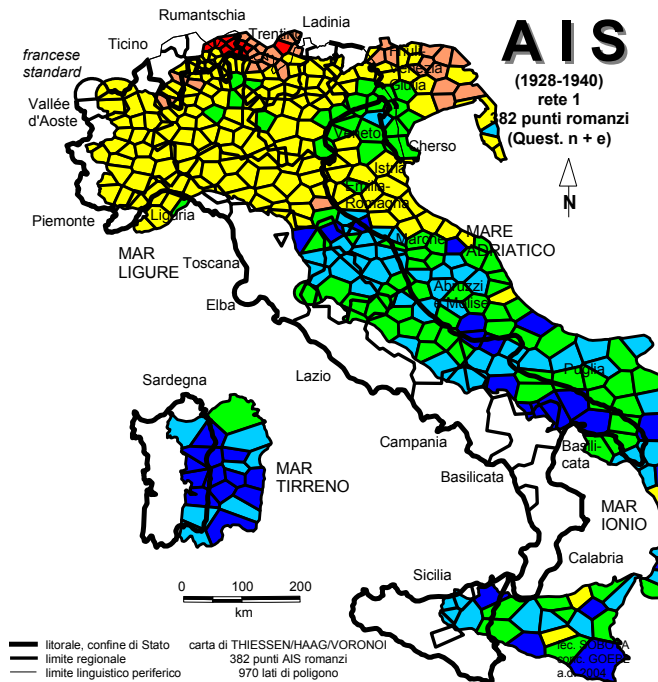
AIS point 1:
Breil/Brigels
(Surselva,
Graubünden,
Switzerland)



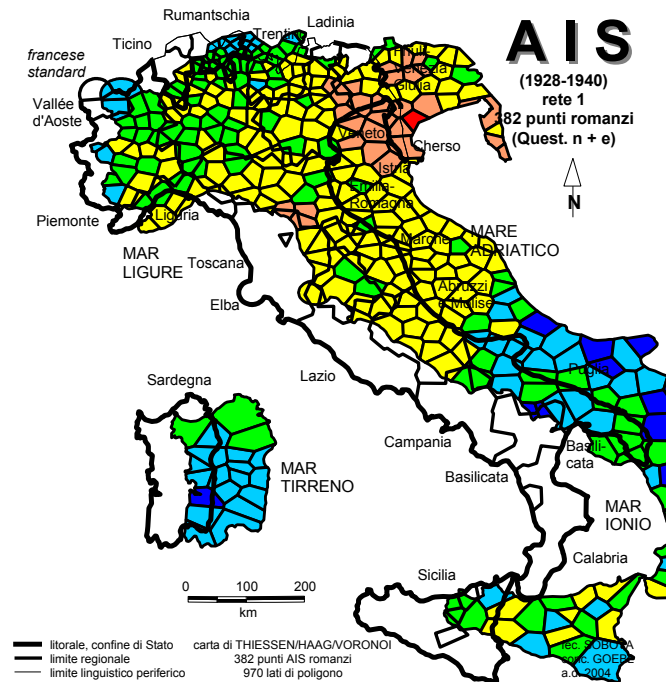
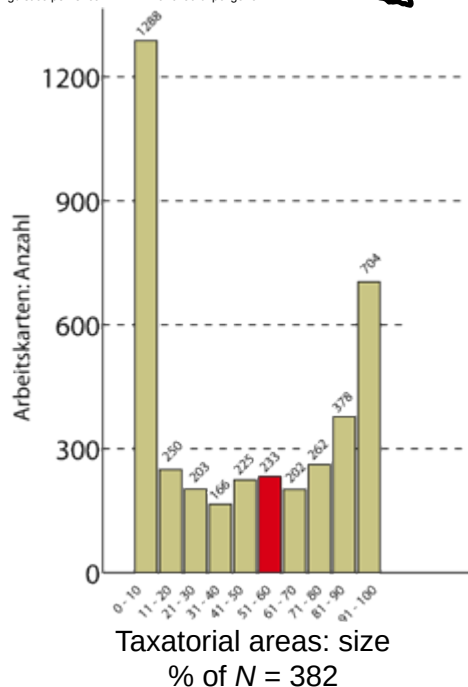
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Venezia/Venice
(Veneto, Italy)



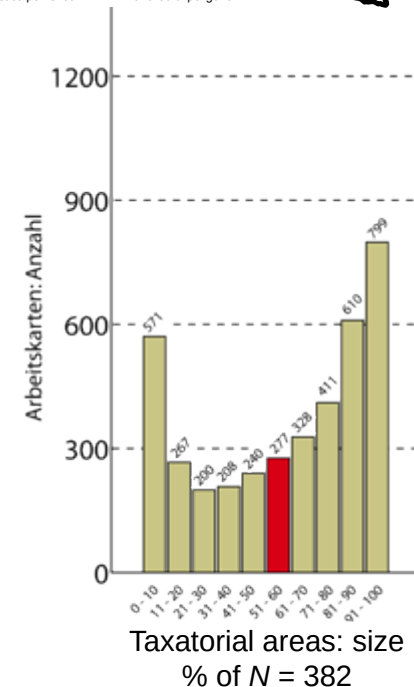
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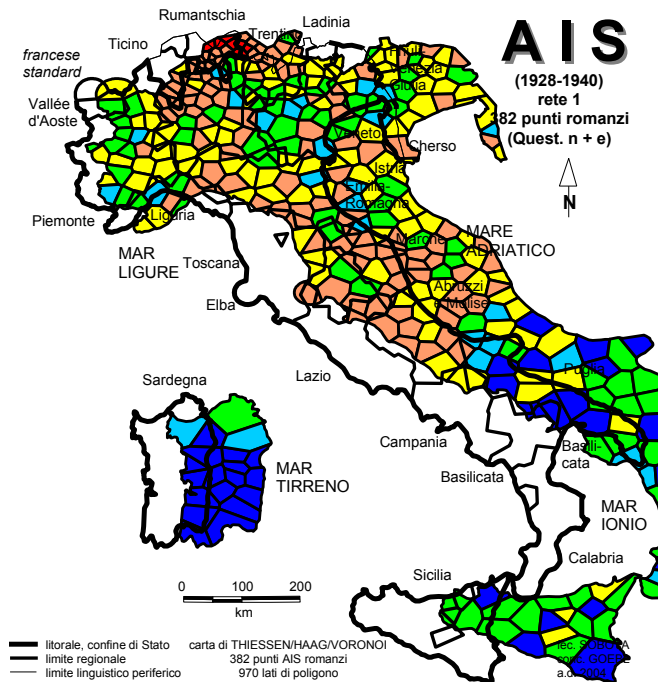
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(Surselva,
Graubünden,
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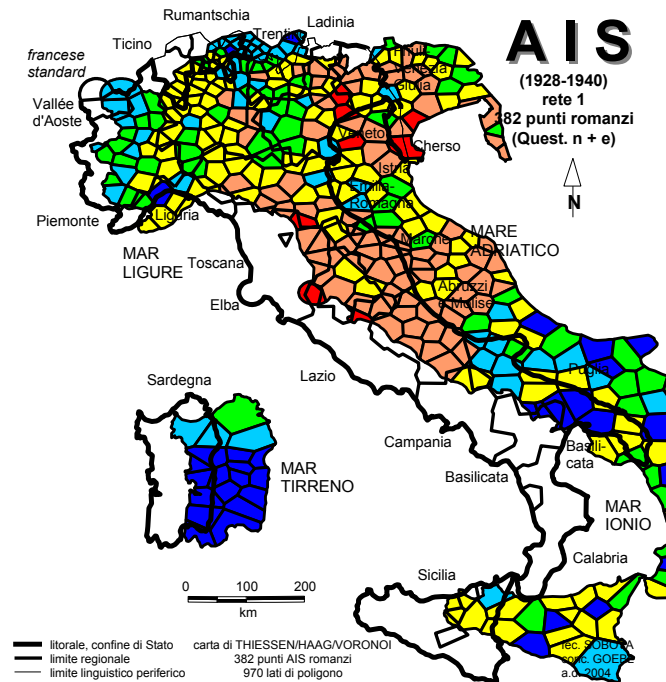
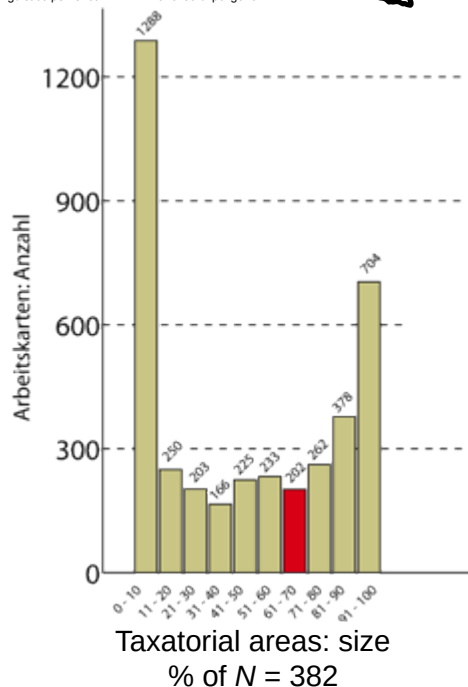
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Venezia/Venice
(Veneto, Italy)



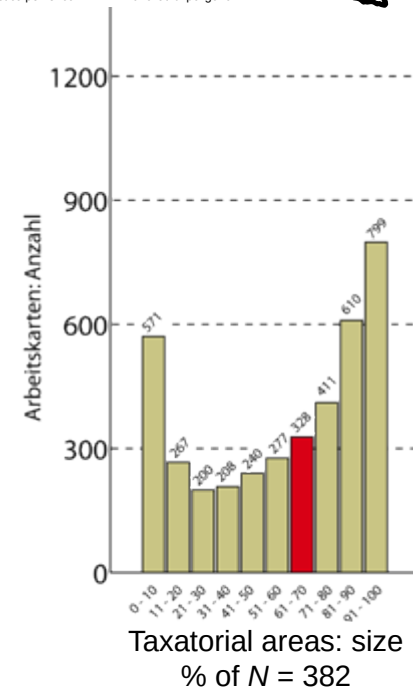
Density maps: superposition of taxatorial areas of different size



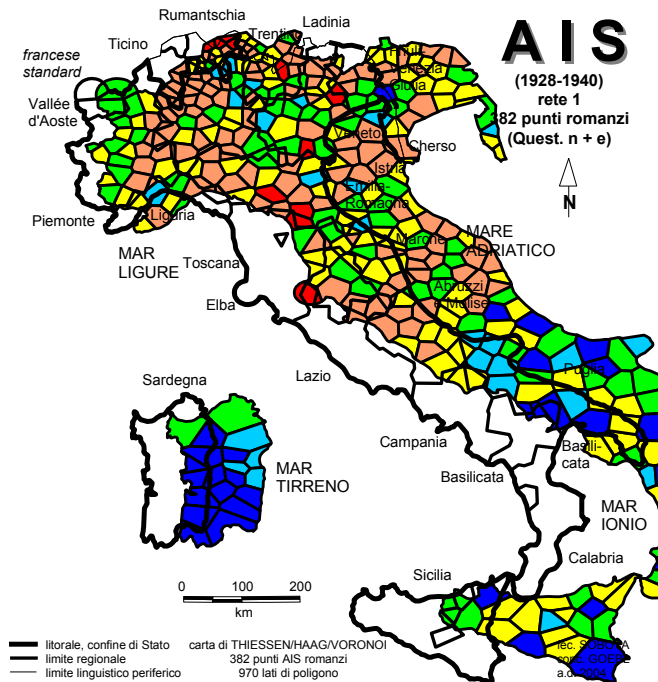
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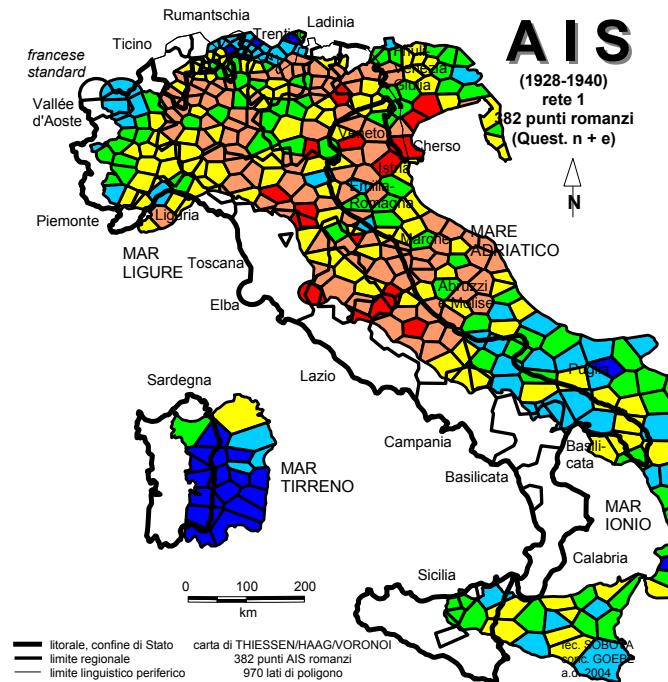
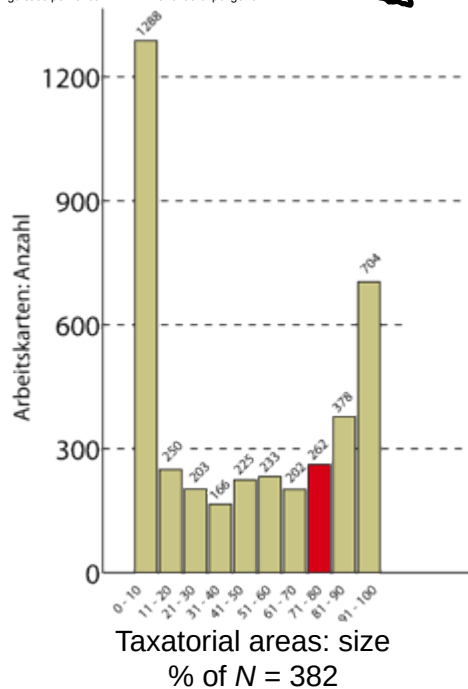
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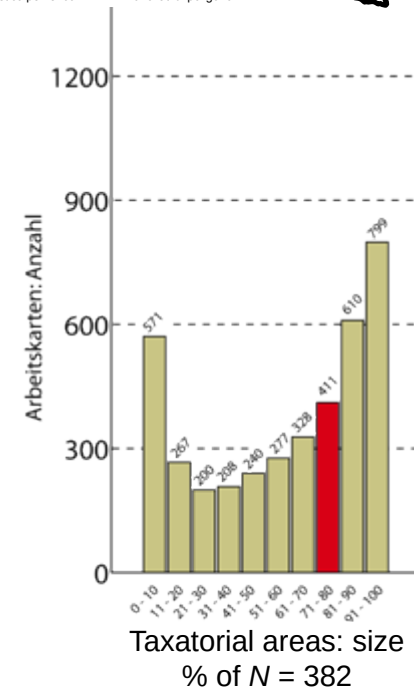
Density maps: superposition of taxatorial areas of different size



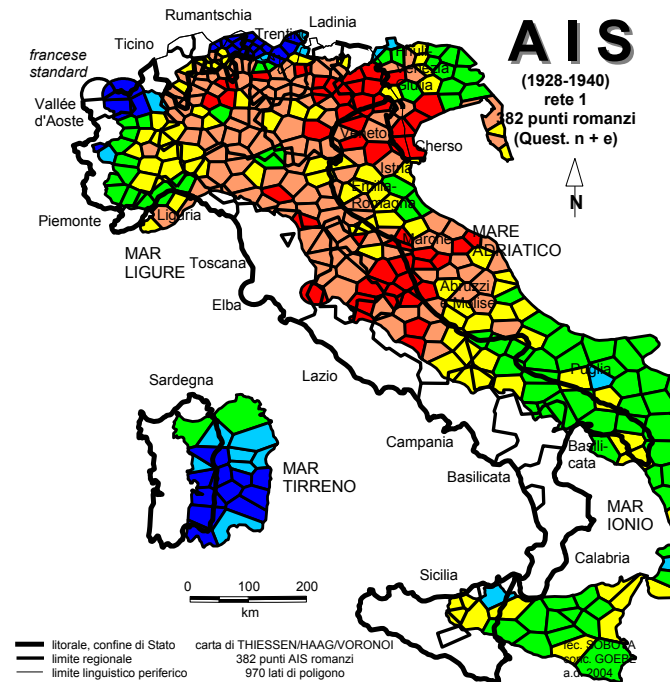
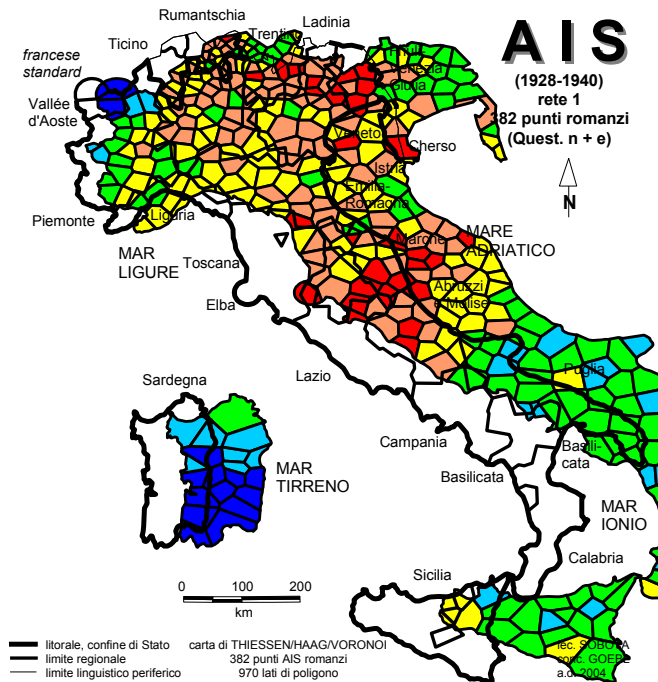
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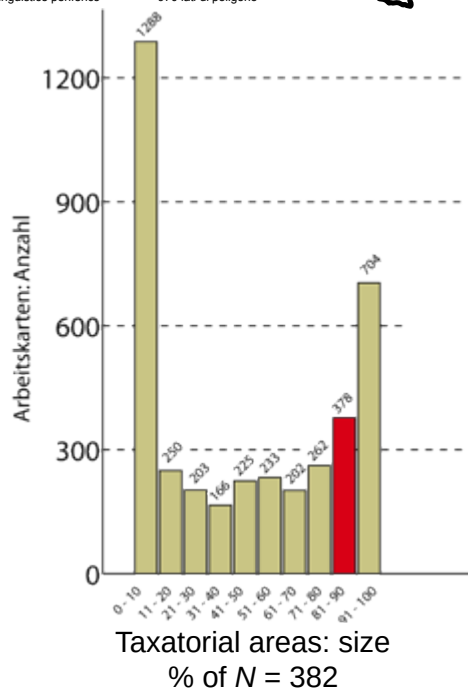
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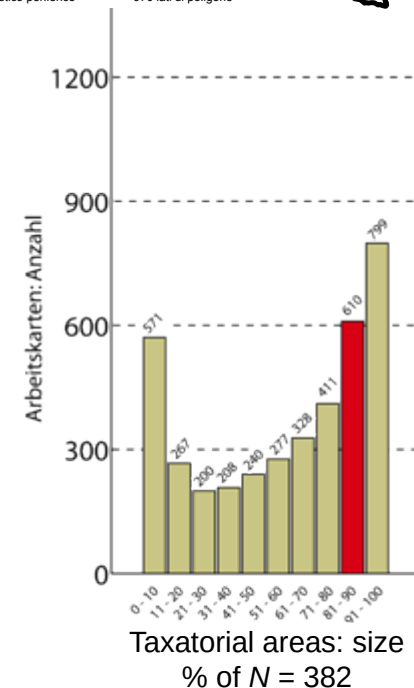
Density maps: superposition of taxatorial areas of different size



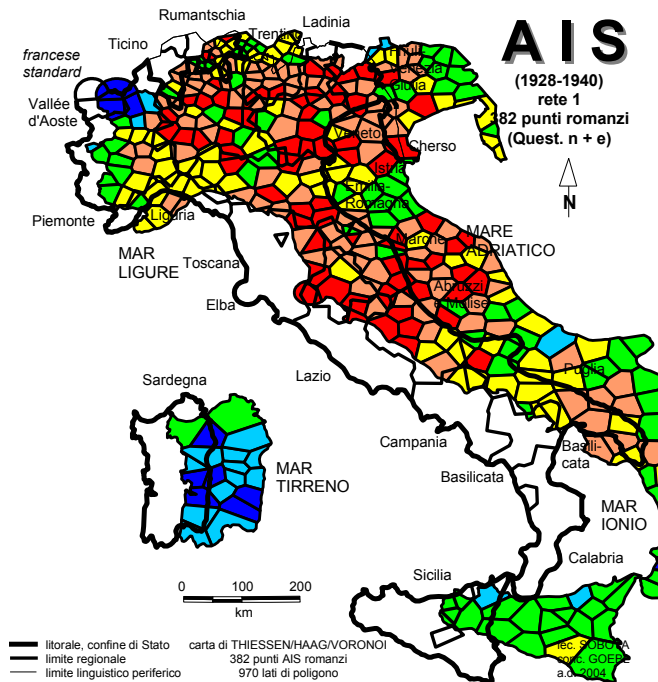
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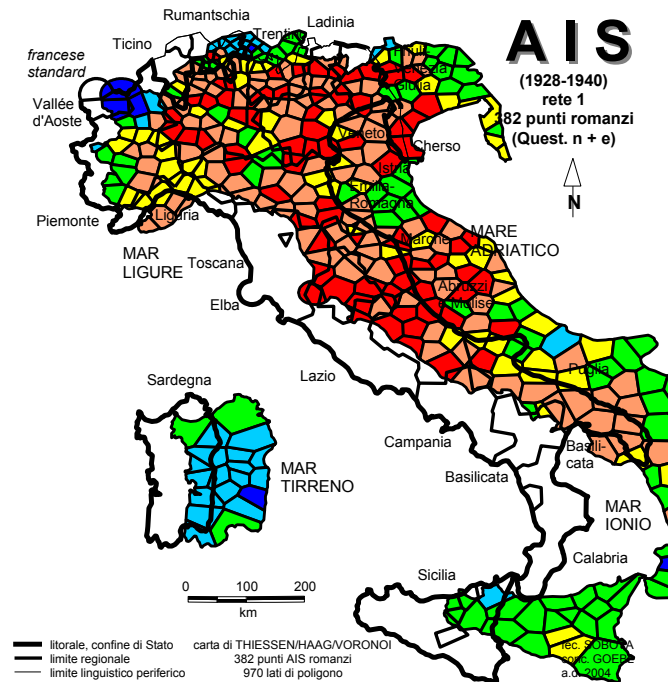
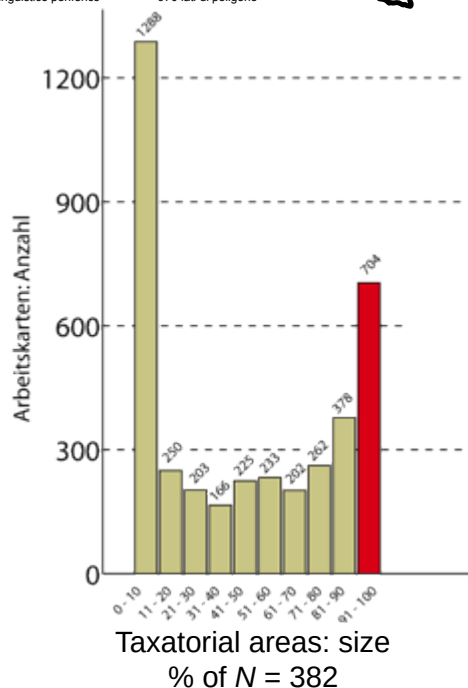
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Venezia/Venice
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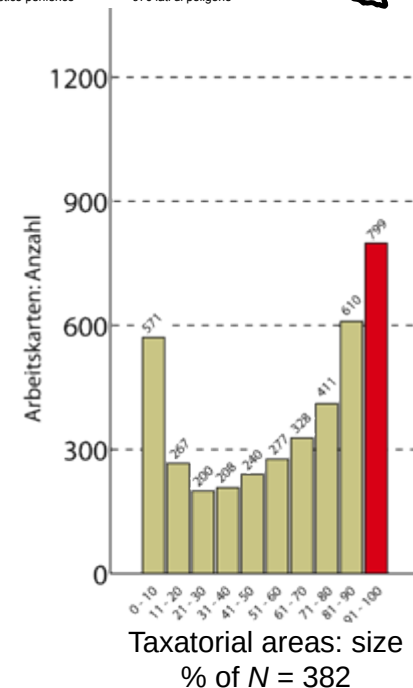
Density maps: superposition of taxatorial areas of different size



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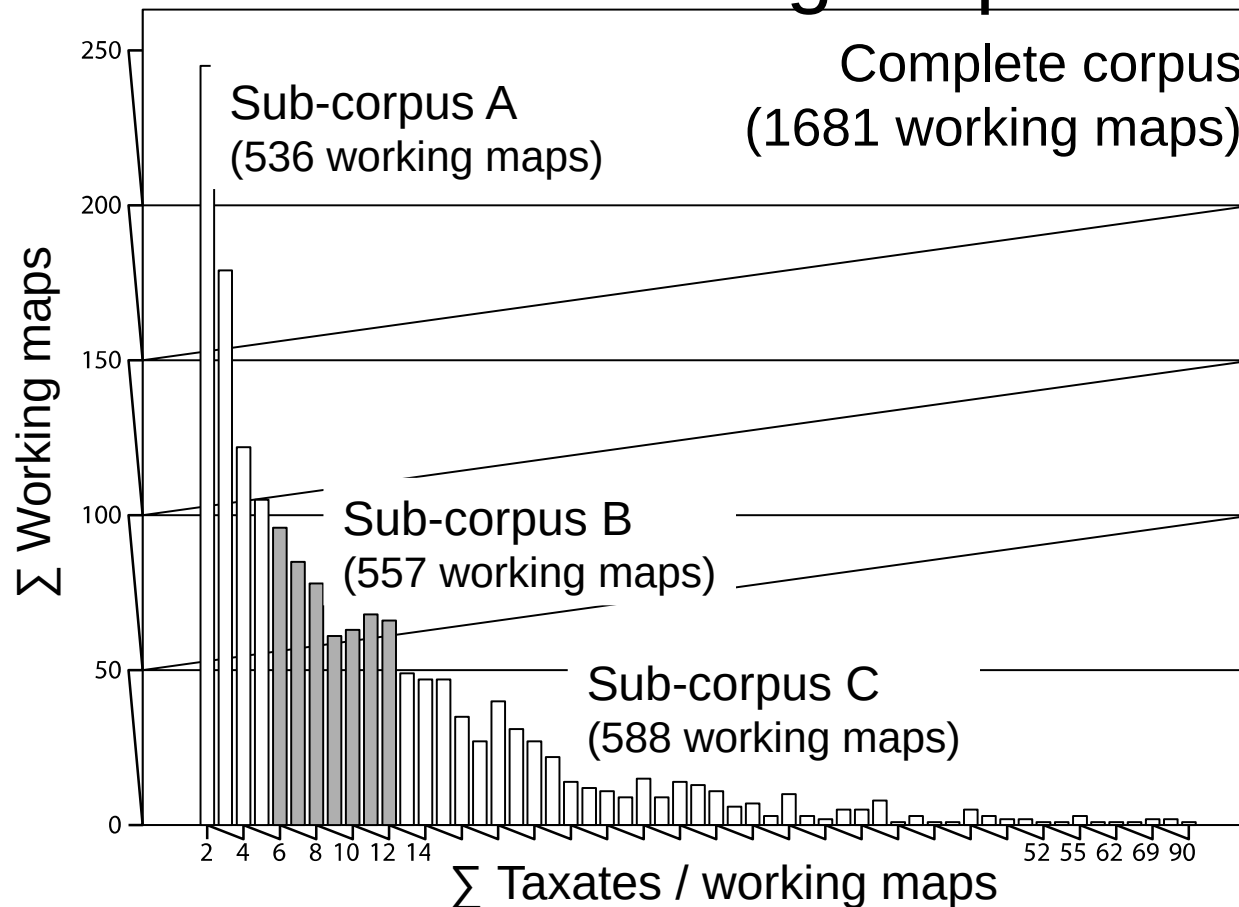


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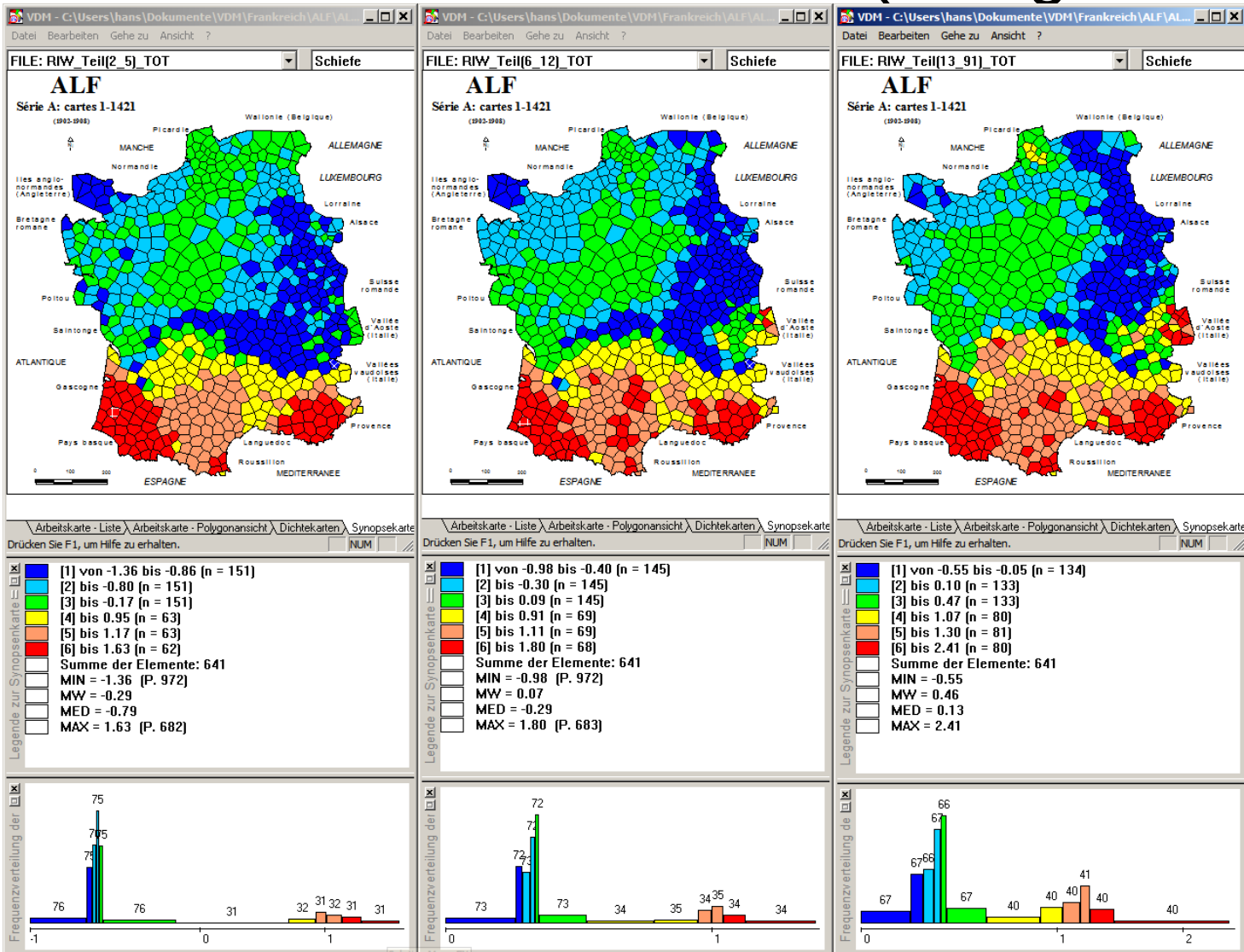
Histogram of relation between *map polynymy* (2–90) and the *number* of corresponding working maps

Three polynymic sub-corpora: 2–5, 6–12, 13–90
taxates/working map

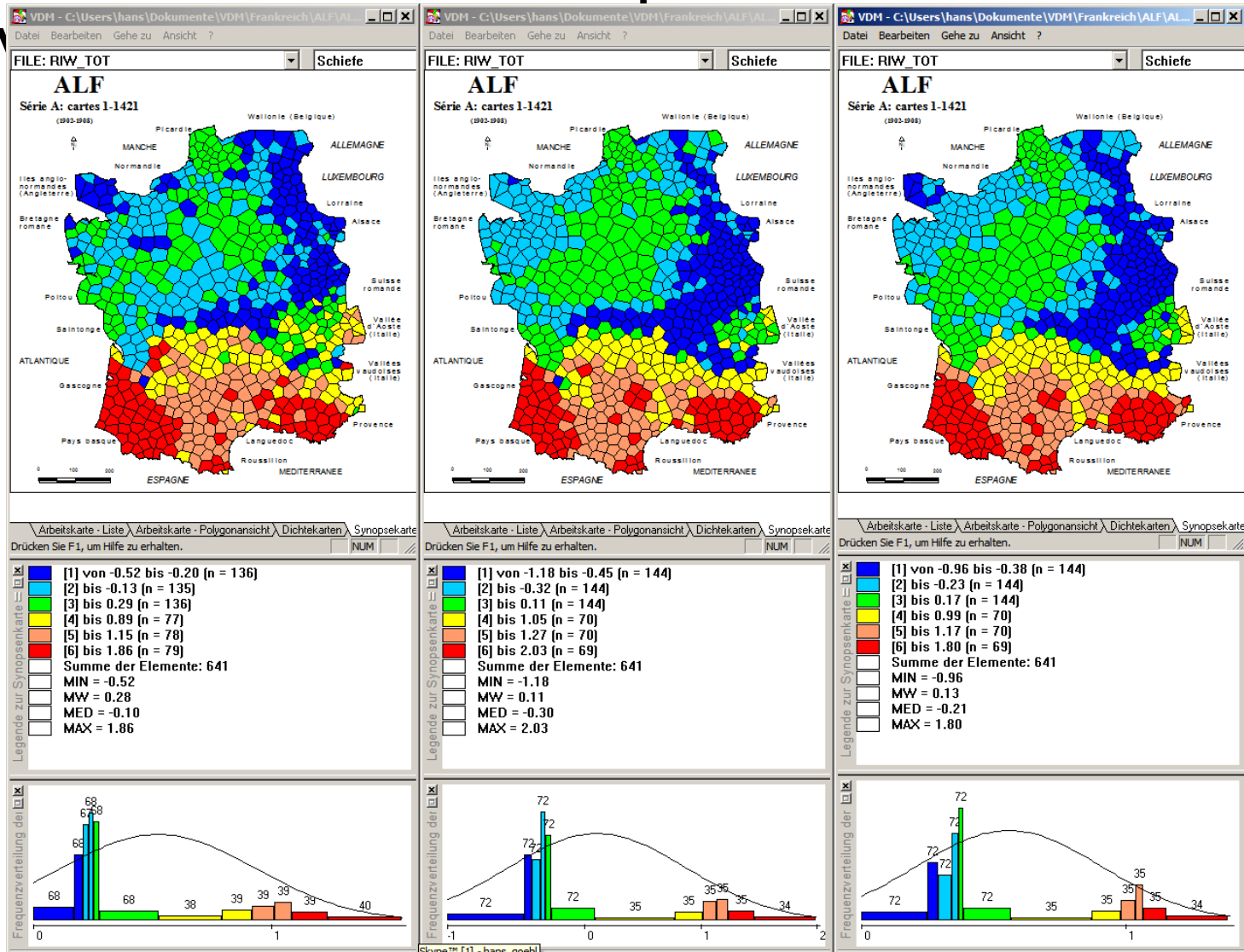


Comparison between three dialectometric analyses based on different polynymic data sets

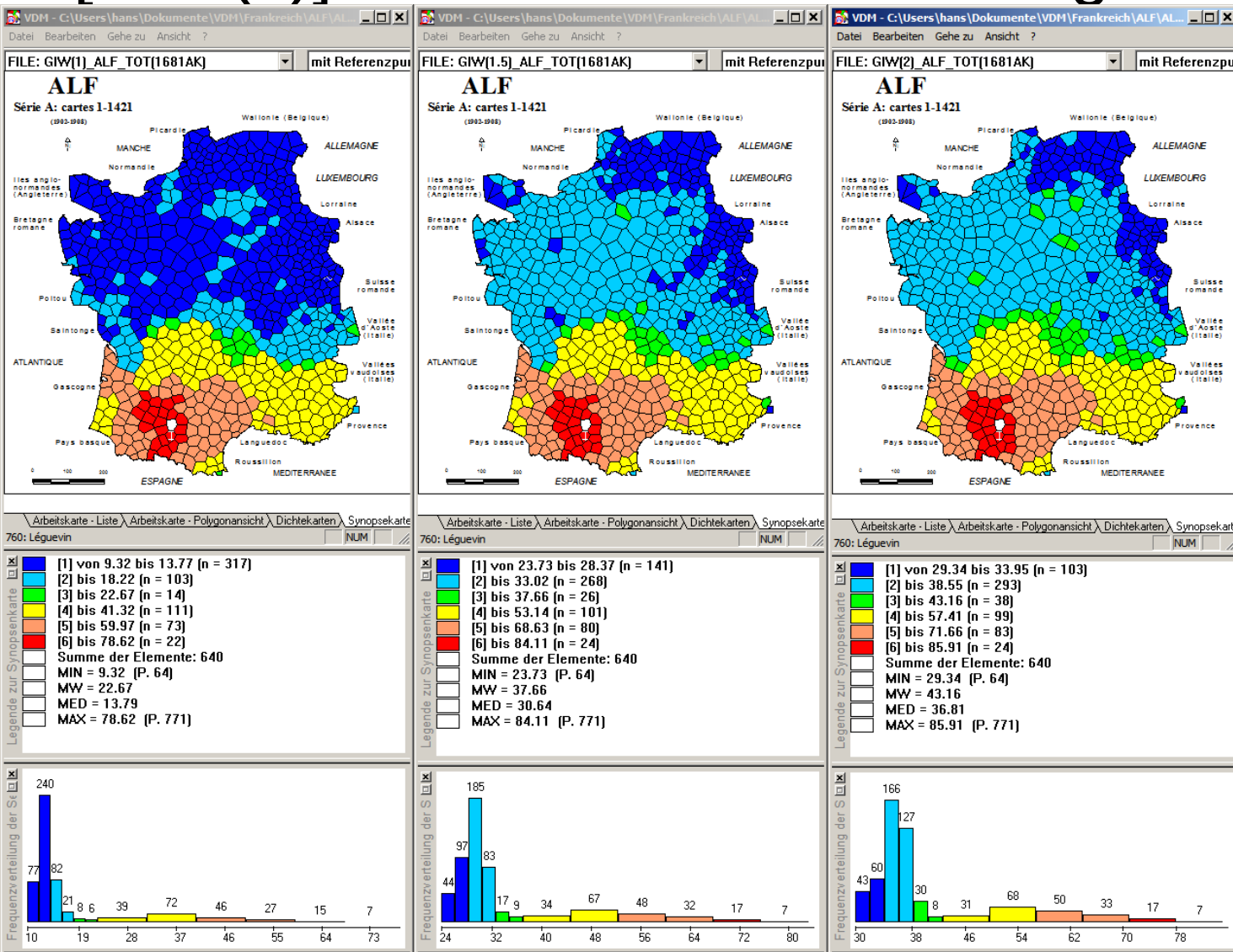
Variable shown: skewness (= linguistic



Comparison between three dialectometric analyses based on 100, 338, 843 working maps, resp.



Comparison between three similarity maps calculated by the „Weighted Identity Value“ [WIV(x)] with three different weights: $x=1, 1.5,$

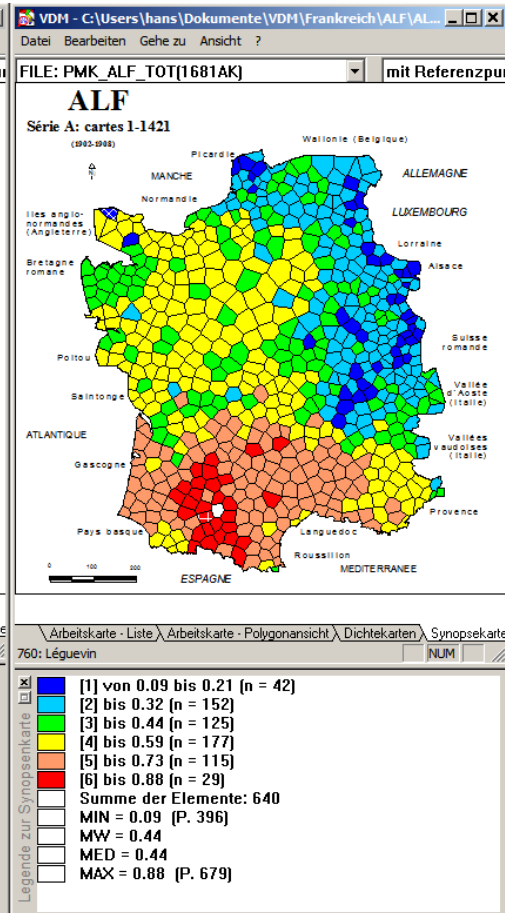
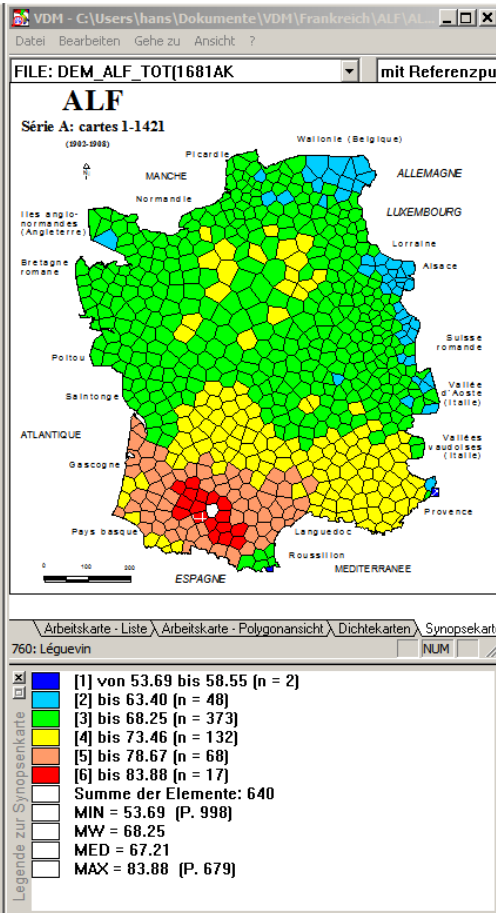
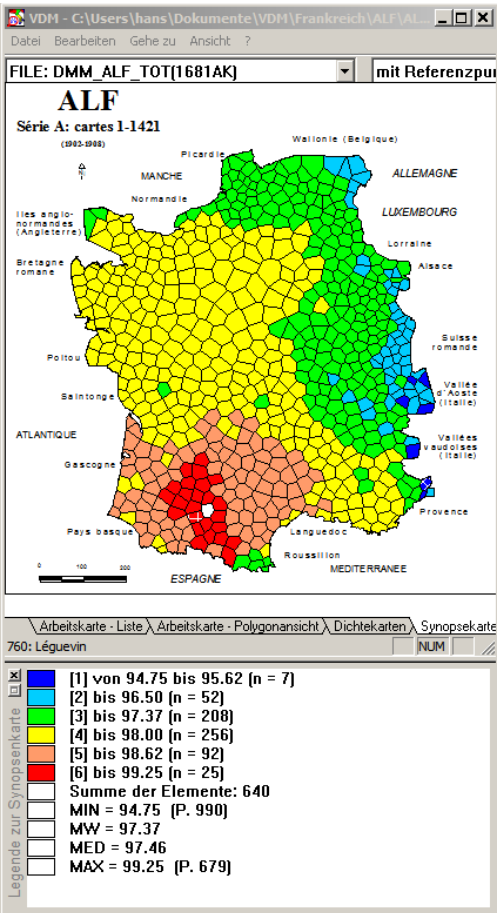


Comparison between three similarity maps

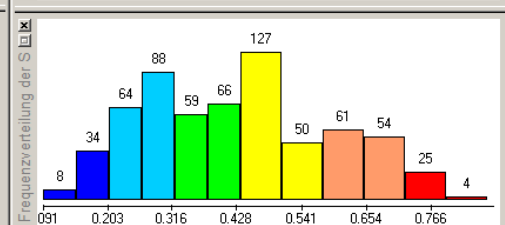
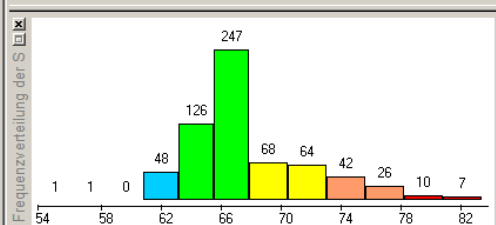
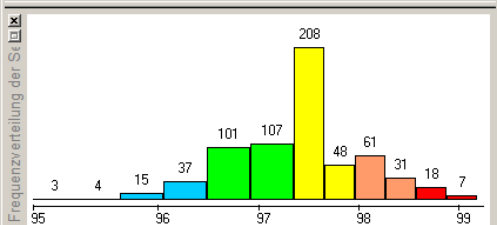
Average Euclidean
Metric

Average Manhattan
Metric

Bravais-Pearson
Correlation Coefficient



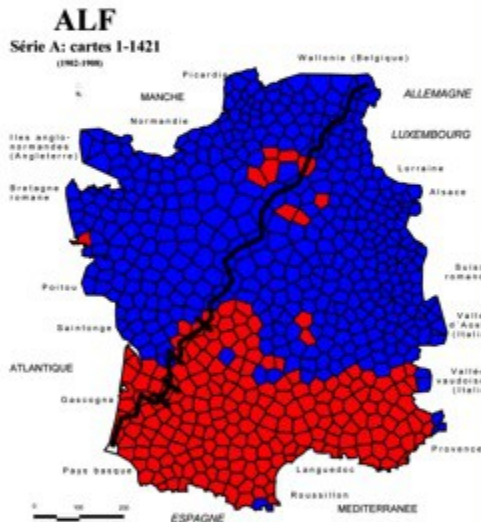
Reference point:
ALF-P. 760,
Léguevin
Corpus: ALF,
1681 working
maps



Start and arrival point of a typo-diagnostic proof path between Gascony and Wallonia

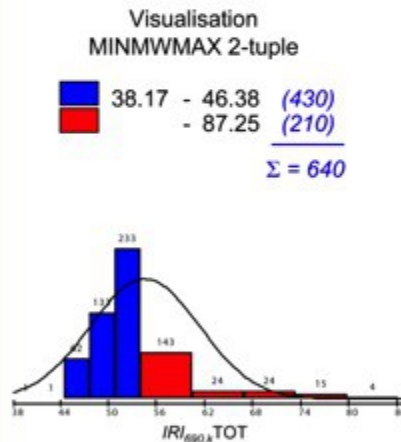
Profils choroplèthes à deux classes (intervalles)

Analyse iconique



Point de repère : P. 690, Biarritz

Analyse numérique

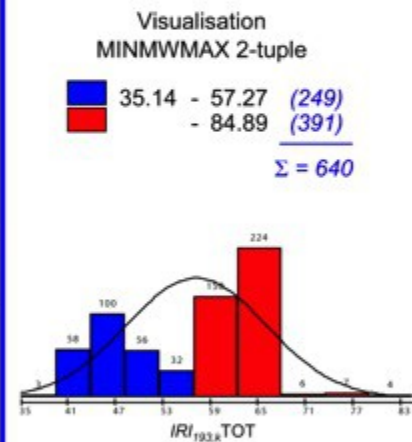


Analyse iconique



Point de repère : P. 193, Dolhain

Analyse numérique

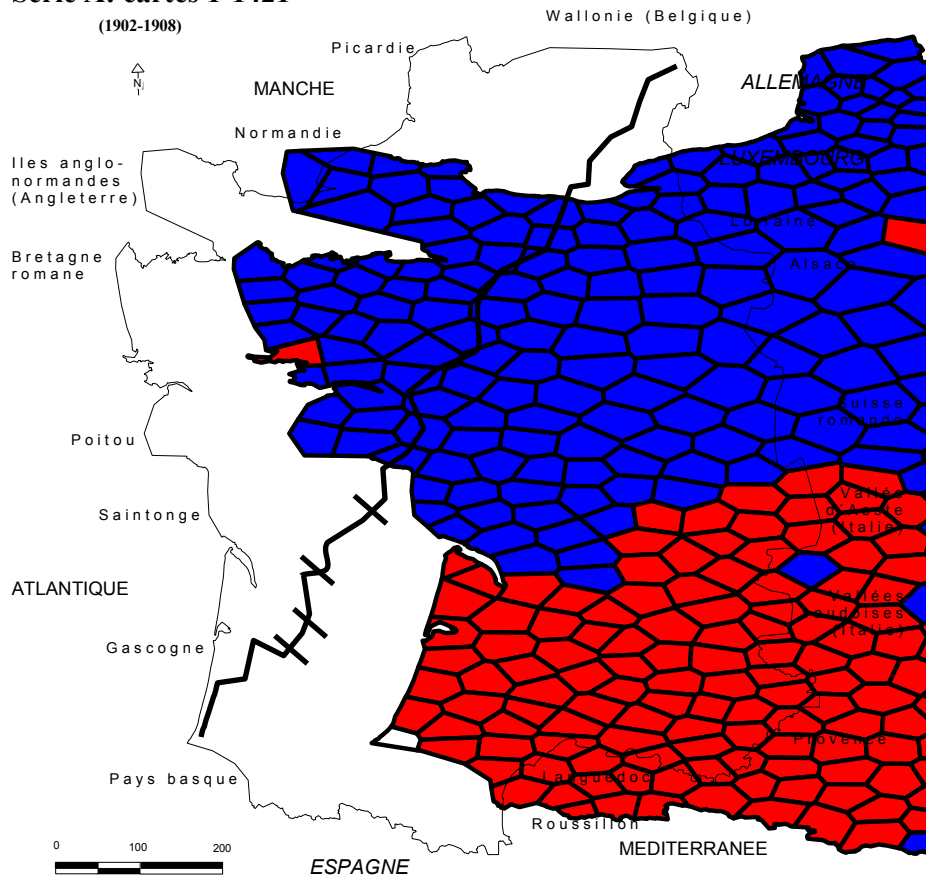


Analyse iconique

ALF

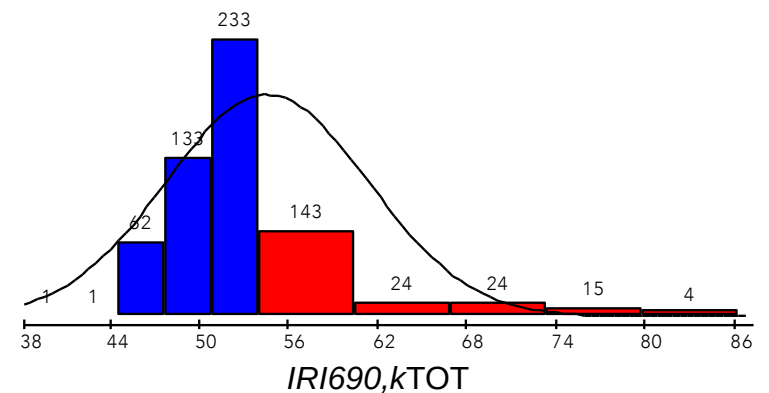
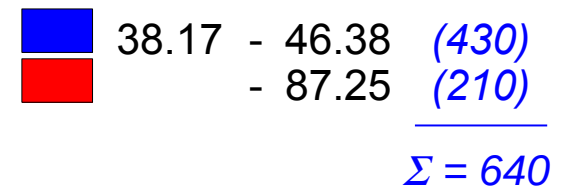
Série A: cartes 1-1421

(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 2-tuple



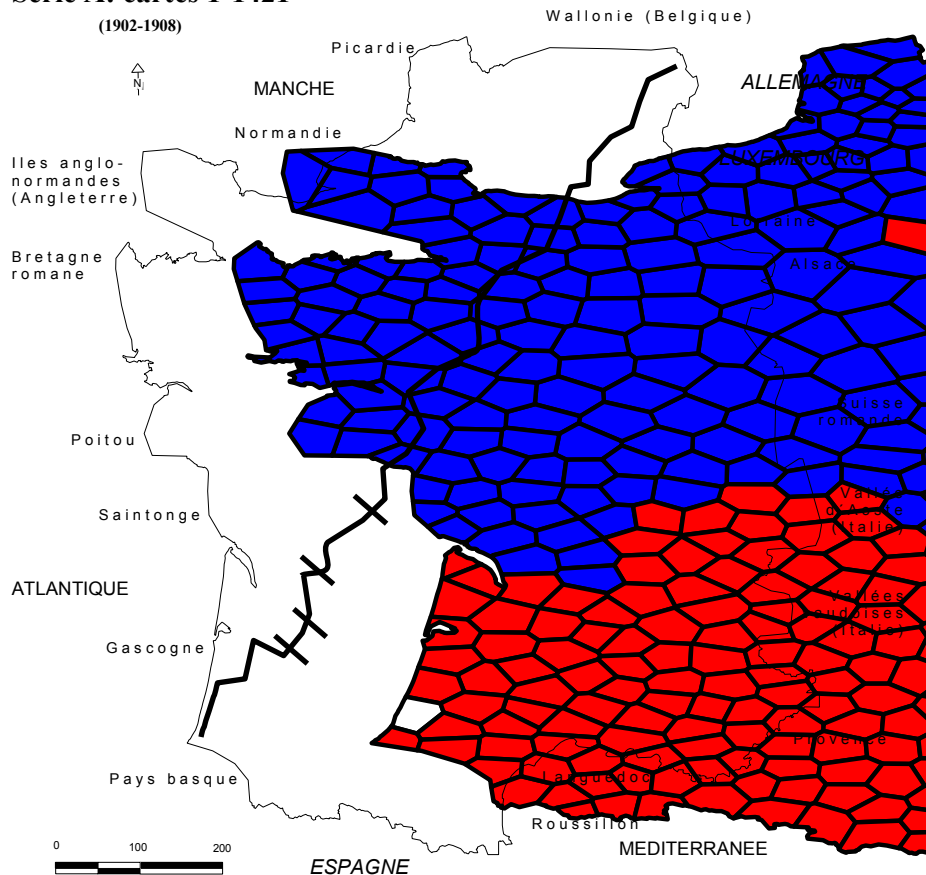
Point de repère : P. 690, Biarritz

Analyse iconique

ALF

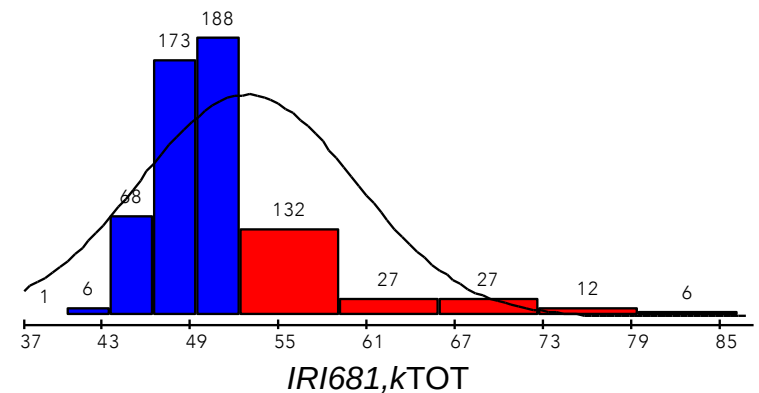
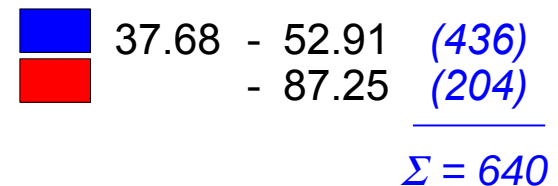
Série A: cartes 1-1421

(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 2-tuple



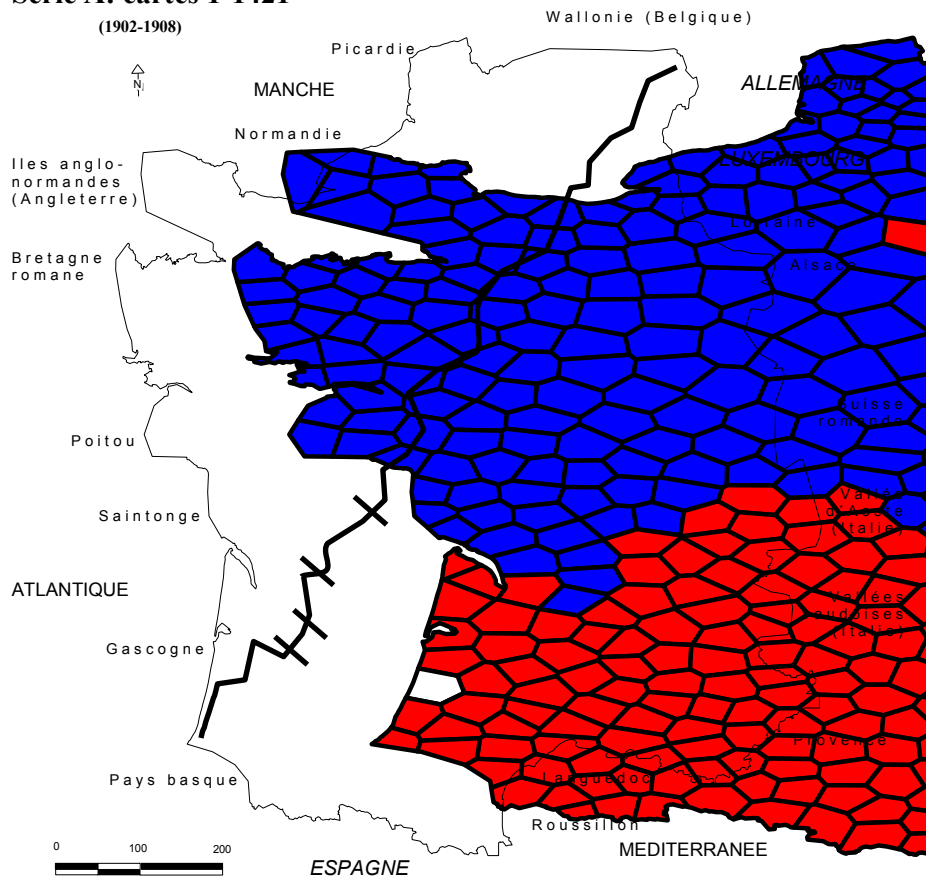
Point de repère : P. 681, Soustons

Analyse iconique

ALF

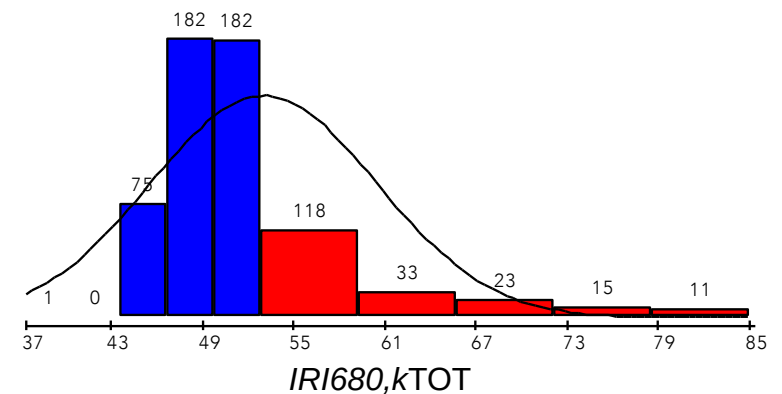
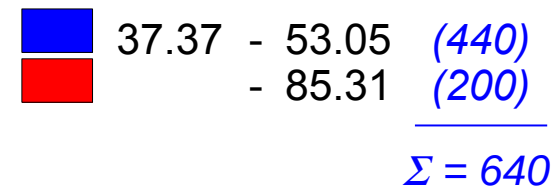
Série A: cartes 1-1421

(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 2-tuple



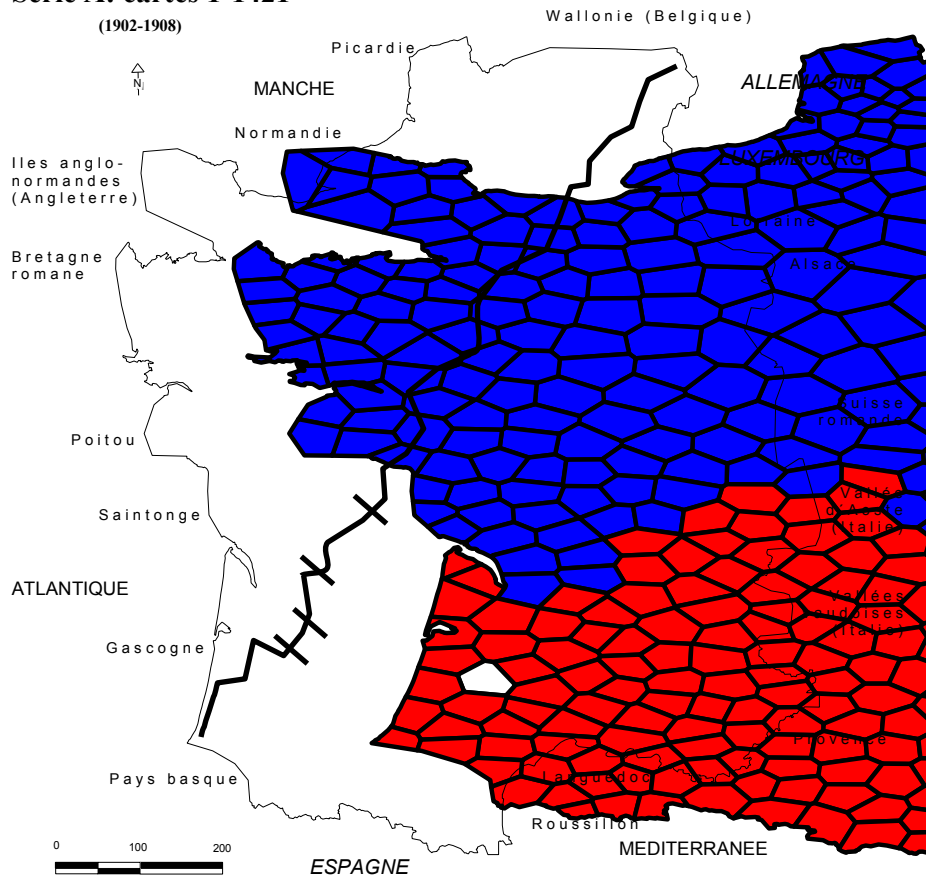
Point de repère : P. 680, Mézos

Analyse iconique

ALF

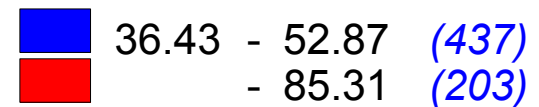
Série A: cartes 1-1421

(1902-1908)

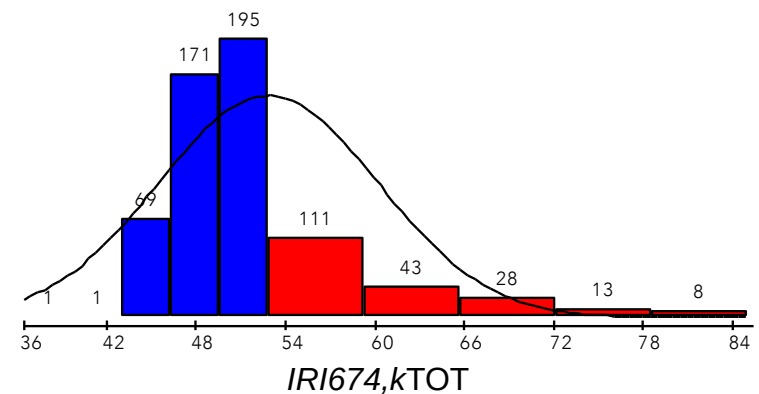


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



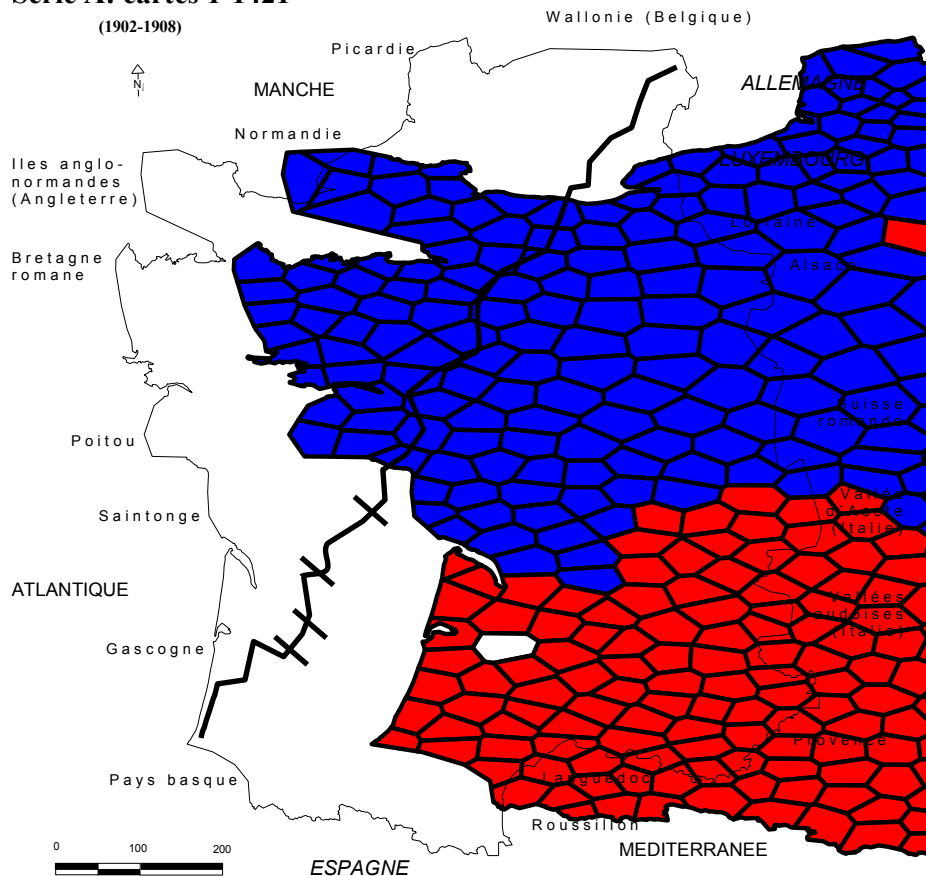
Point de repère : P. 674, Sabres

Analyse iconique

ALF

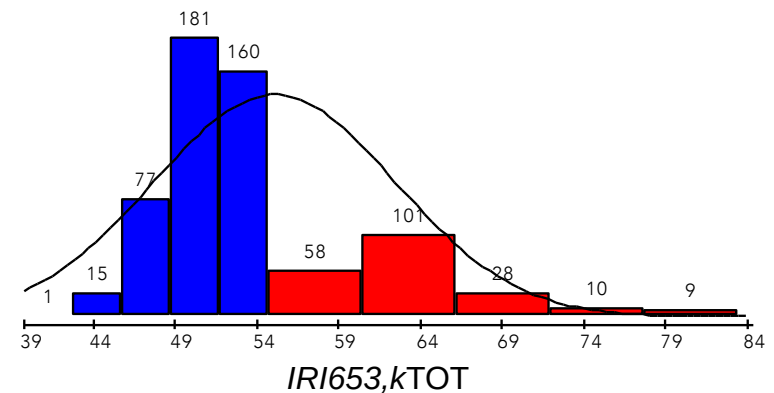
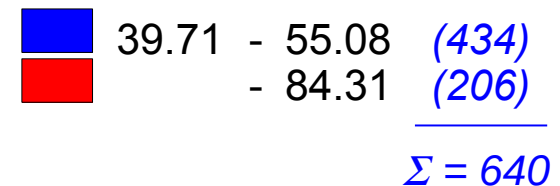
Série A: cartes 1-1421

(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 2-tuple



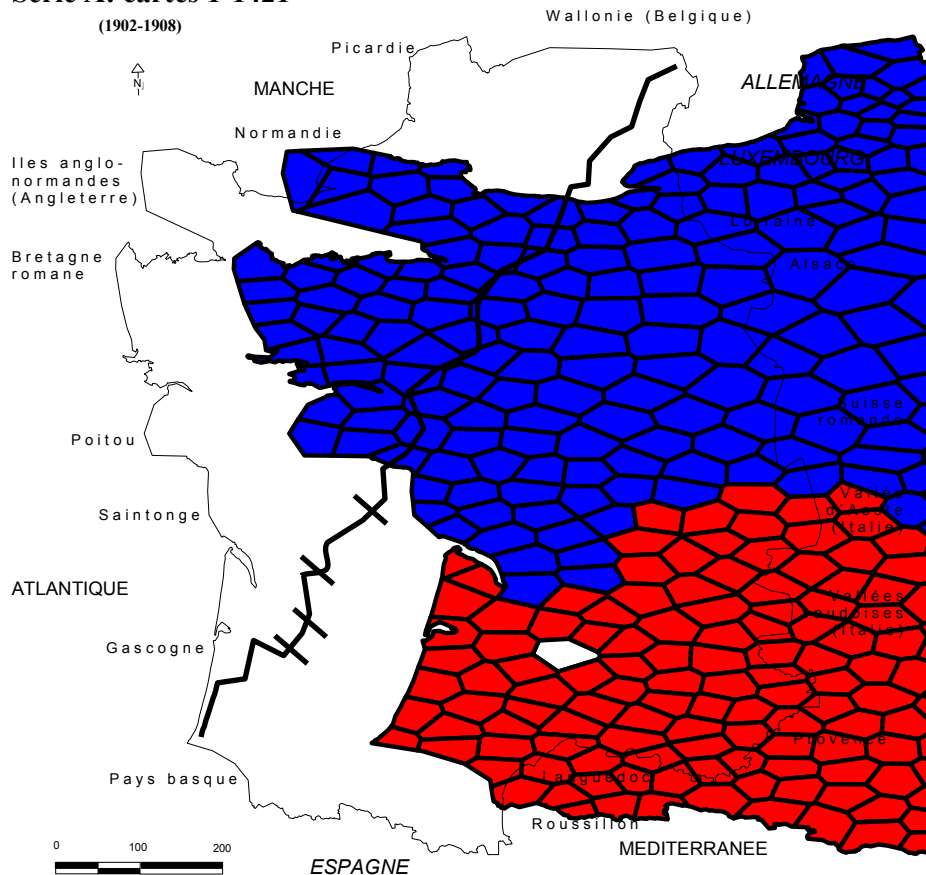
Point de repère : P. 653, Hostens

Analyse iconique

ALF

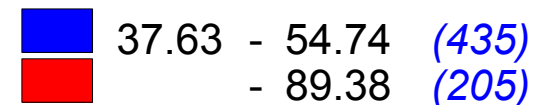
Série A: cartes 1-1421

(1902-1908)

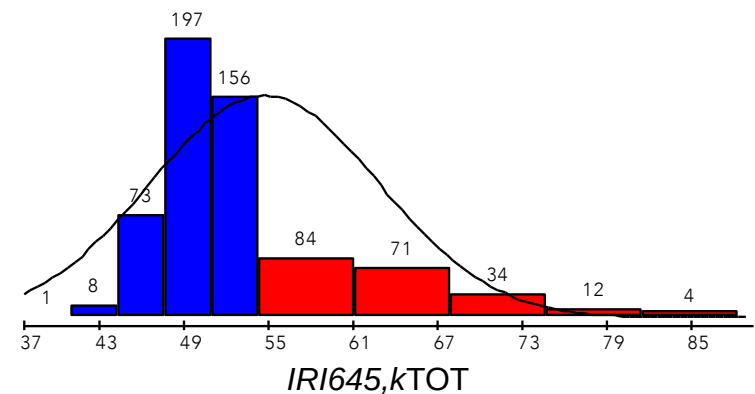


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



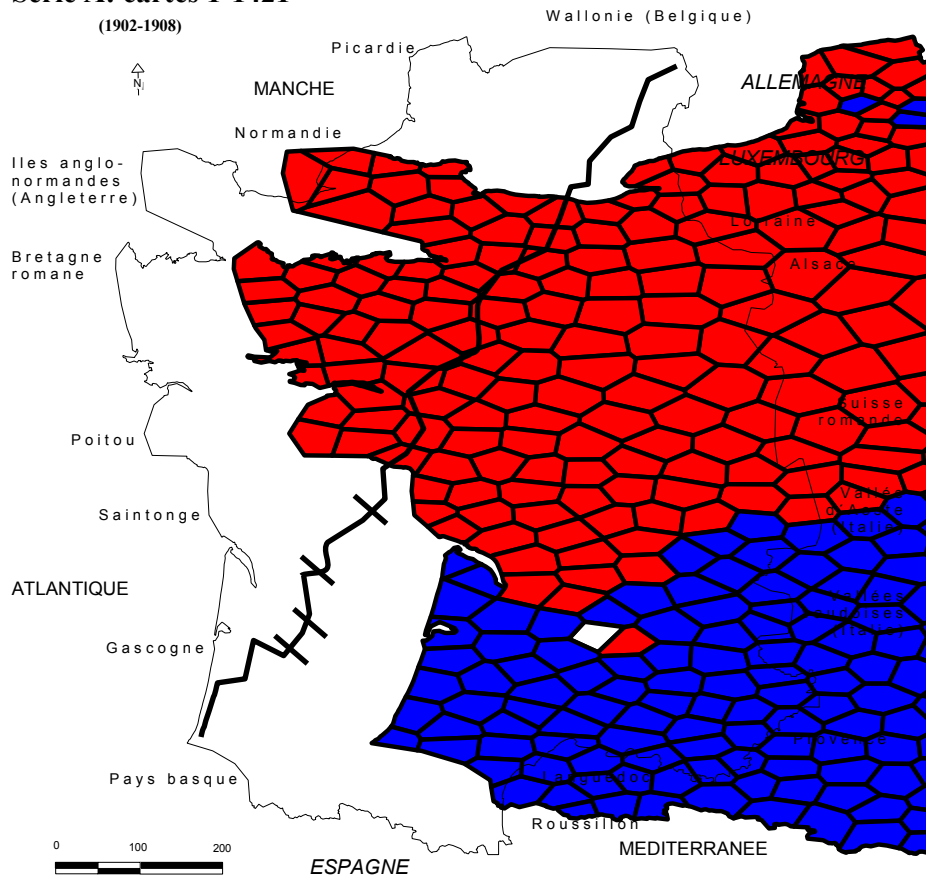
Point de repère : P. 645, Saint-Côme

Analyse iconique

ALF

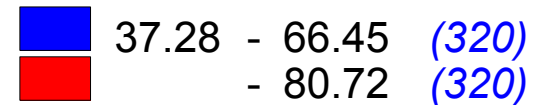
Série A: cartes 1-1421

(1902-1908)

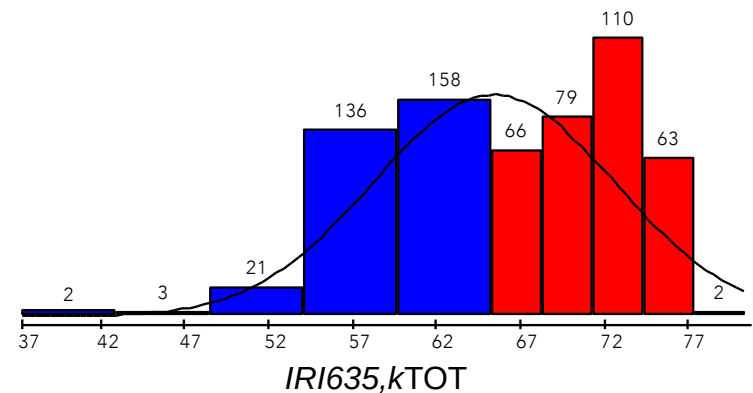


Analyse numérique

Visualisation
MINMWMAX 2-tuple



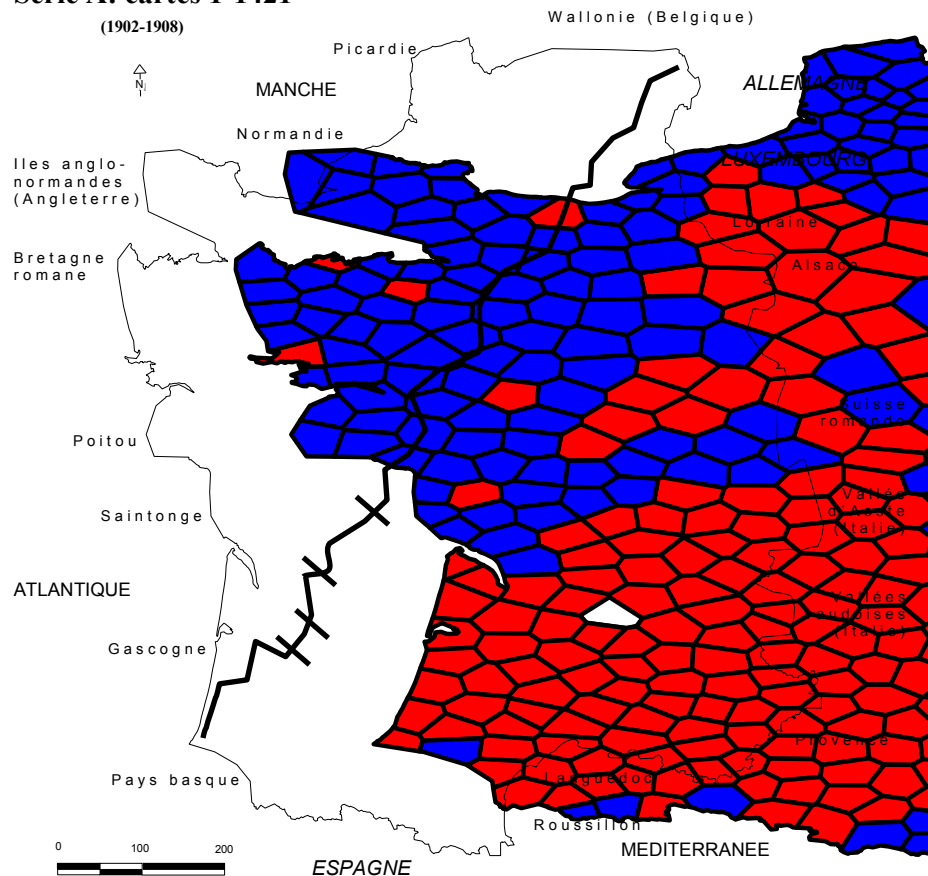
$\Sigma = 640$



Point de repère : P. 635, Andraut (îlot linguistique oïlique)

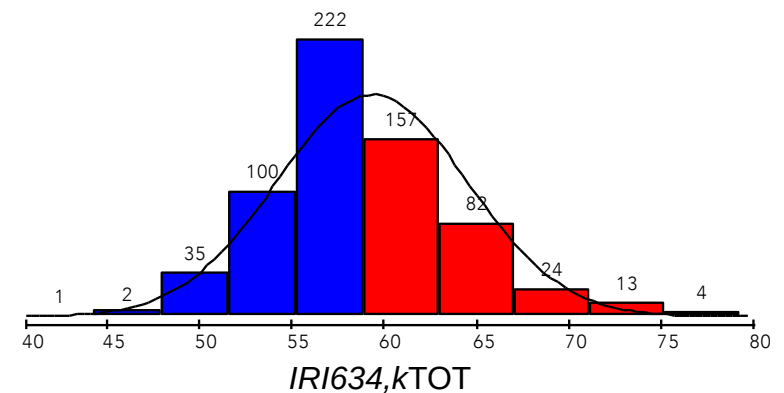
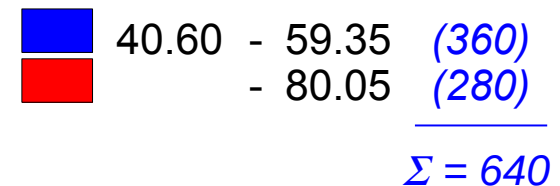
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)



Analyse numérique

Visualisation MINMWMAX 2-tuple



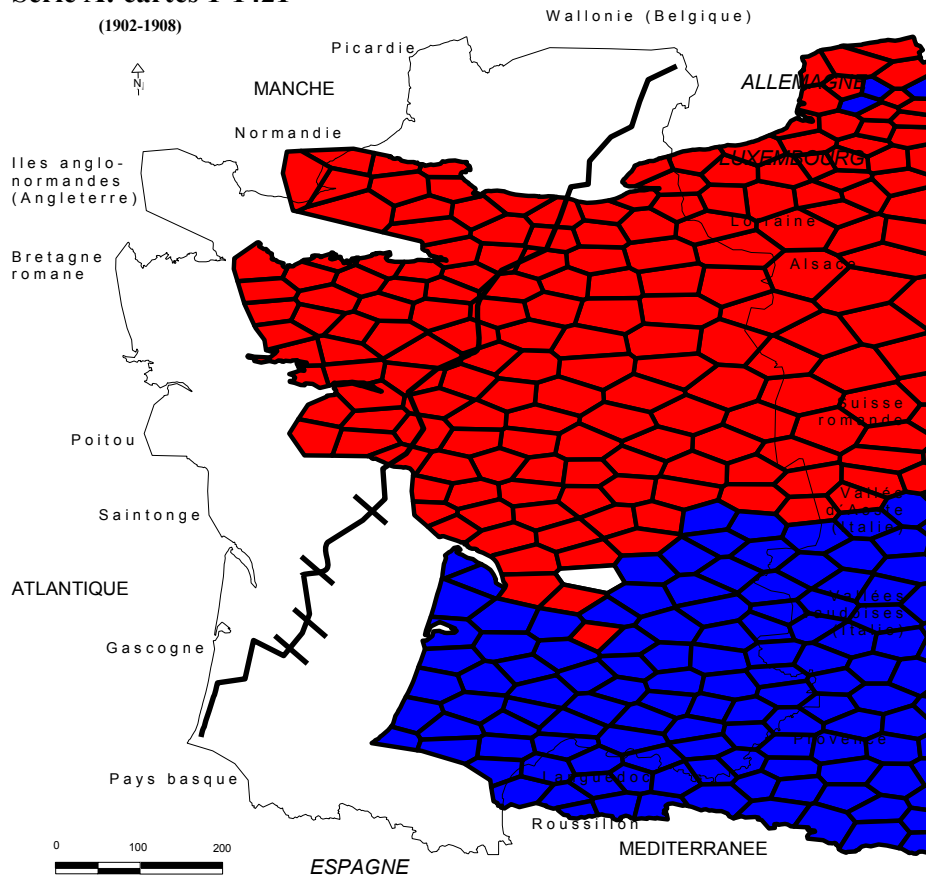
Point de repère : P. 634, Vélines

Analyse iconique

ALF

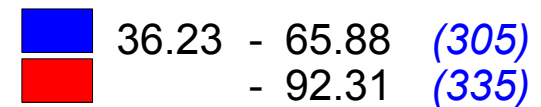
Série A: cartes 1-1421

(1902-1908)

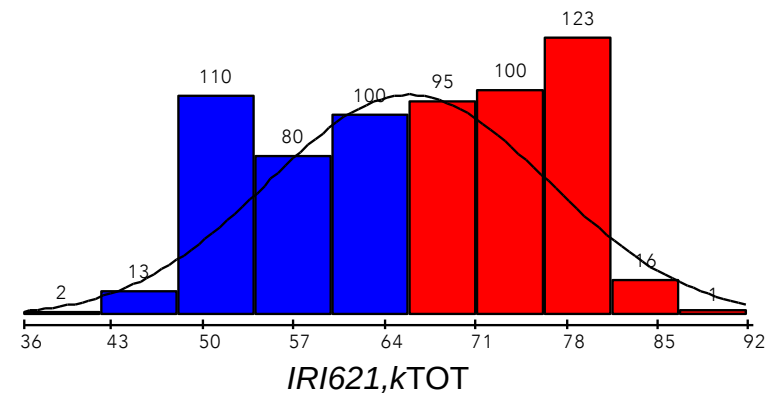


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



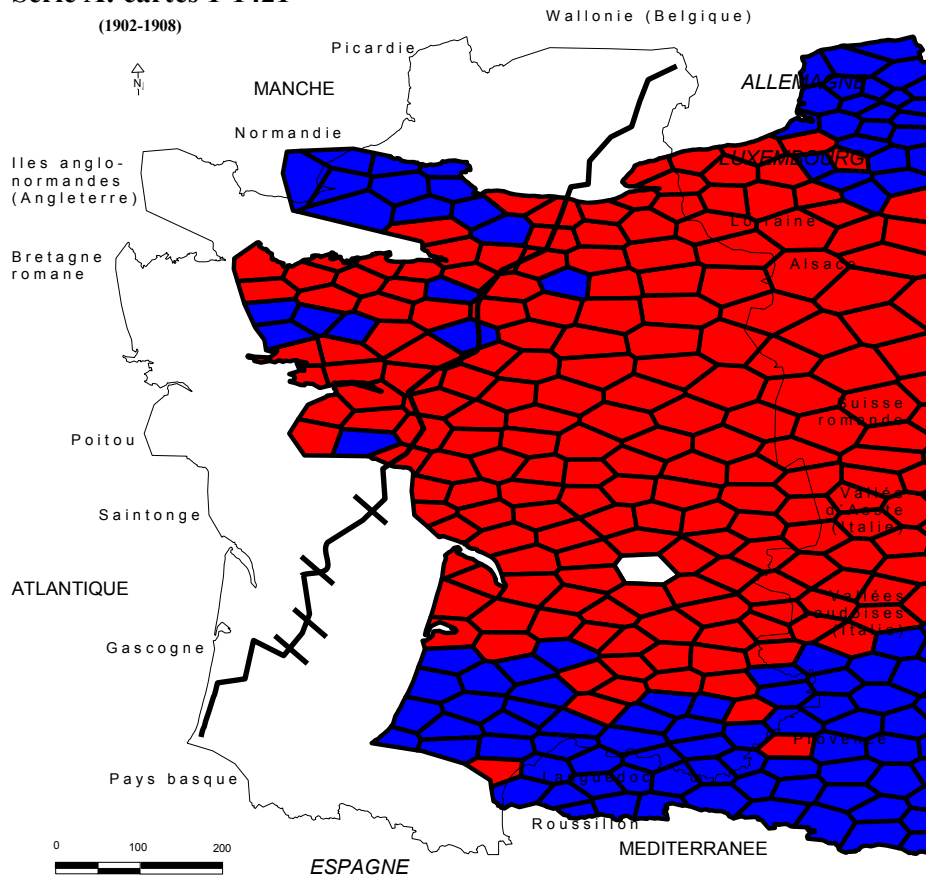
Point de repère : P. 621, Yviers

Analyse iconique

ALF

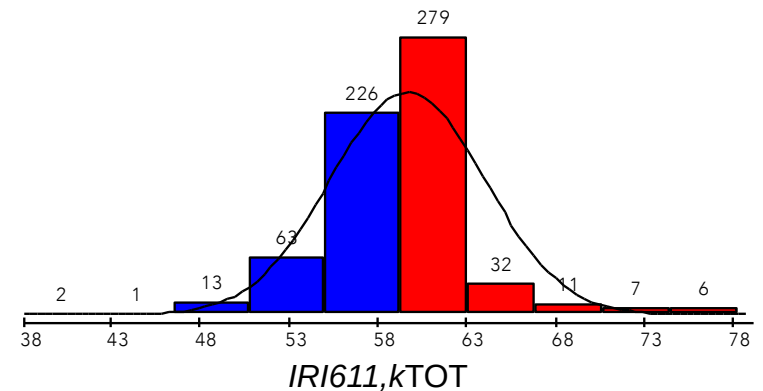
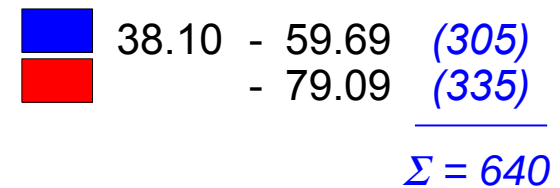
Série A: cartes 1-1421

(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 2-tuple



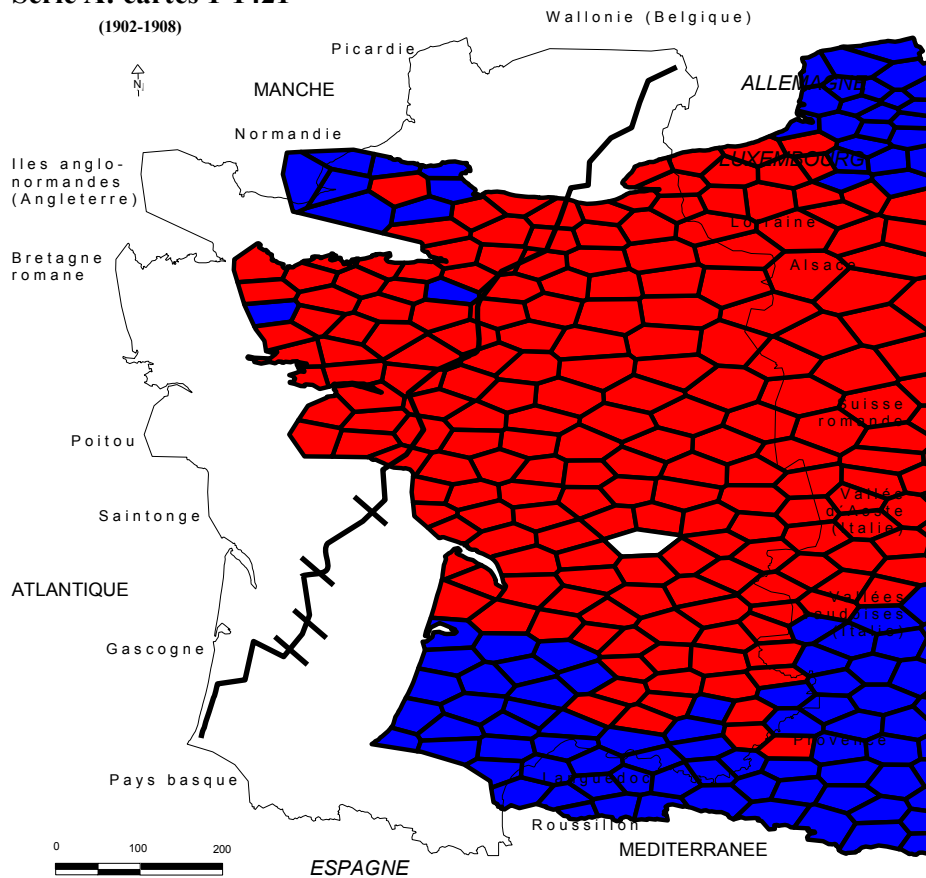
Point de repère : P. 611, La Tour-Blanche

Analyse iconique

ALF

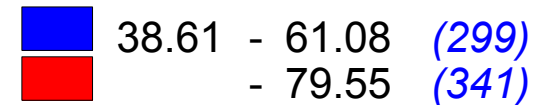
Série A: cartes 1-1421

(1902-1908)

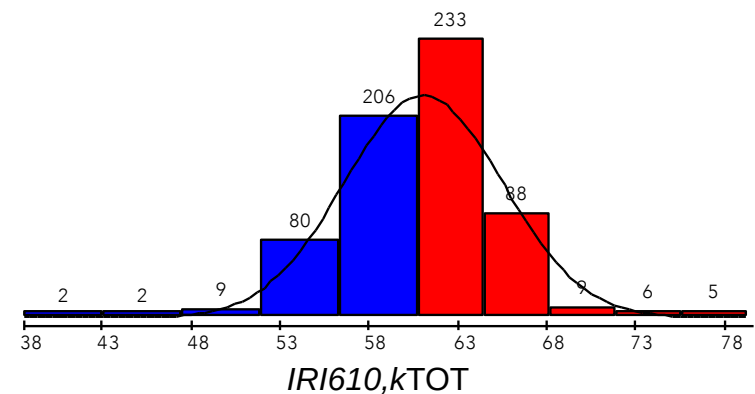


Analyse numérique

Visualisation
MINMWMAX 2-tuple



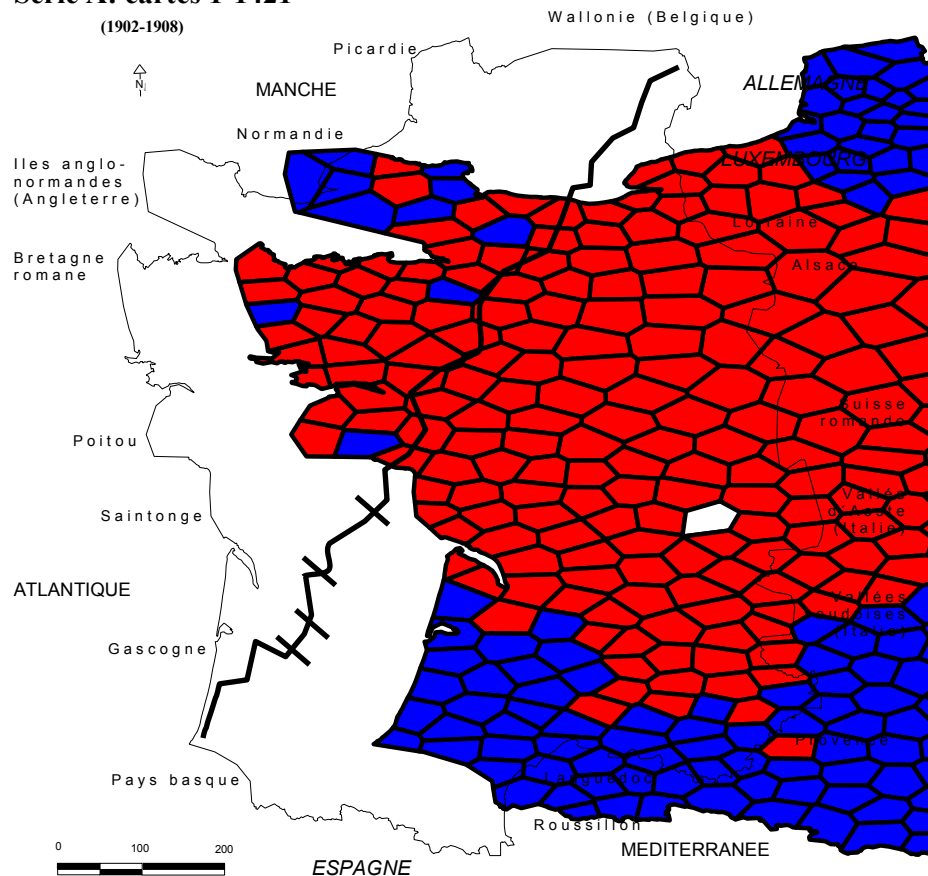
$\Sigma = 640$



Point de repère : P. 610, Chazelles

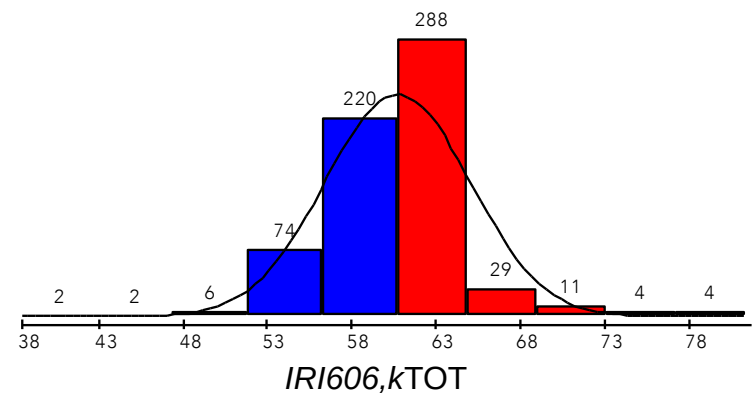
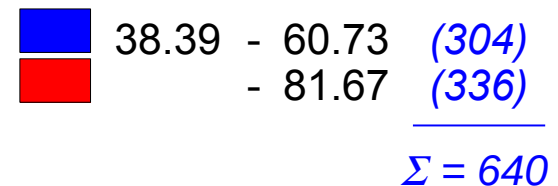
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)



Analyse numérique

Visualisation MINMWMAX 2-tuple



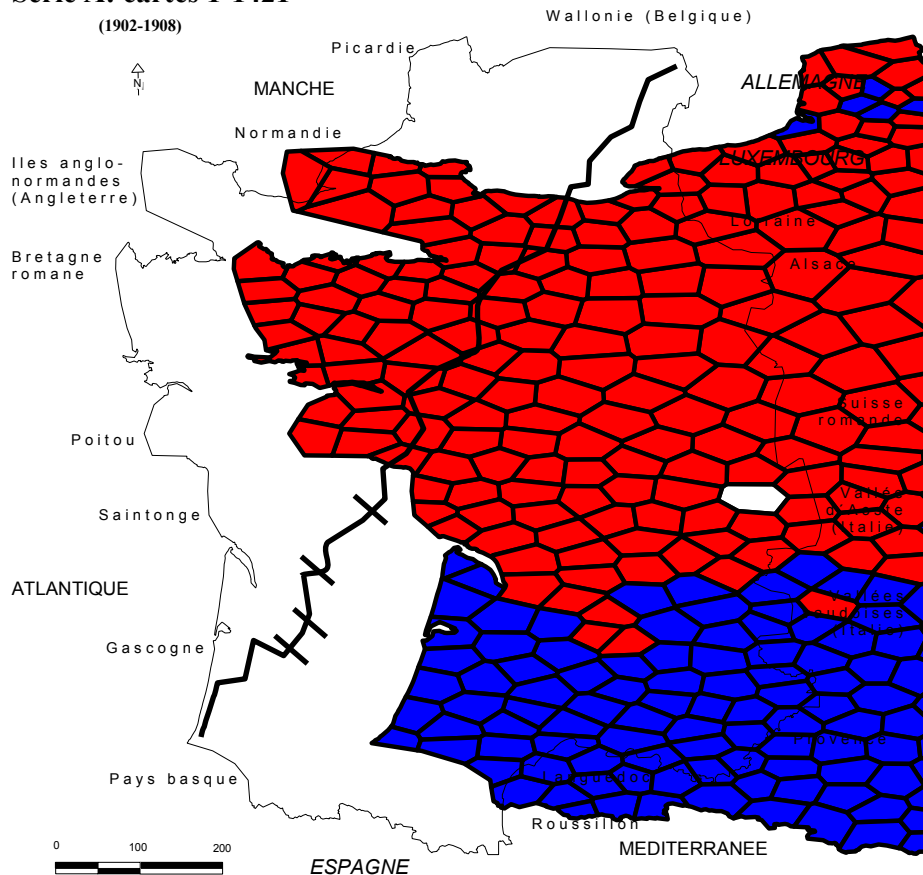
Point de repère : P. 606, Saint-Junien

Analyse iconique

ALF

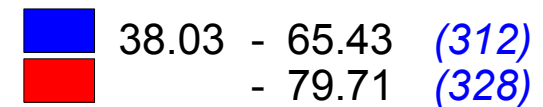
Série A: cartes 1-1421

(1902-1908)

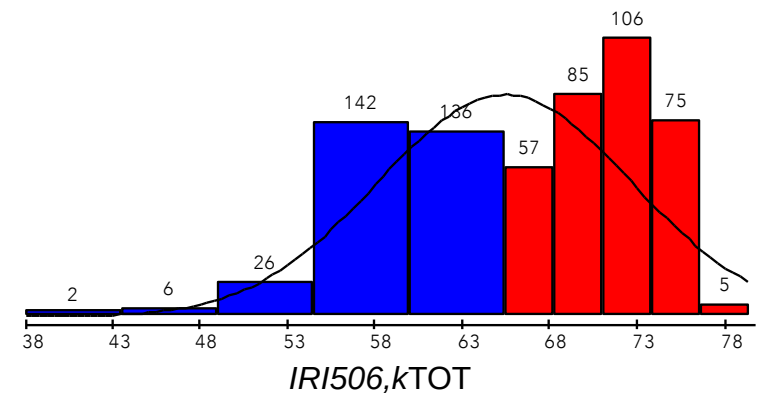


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



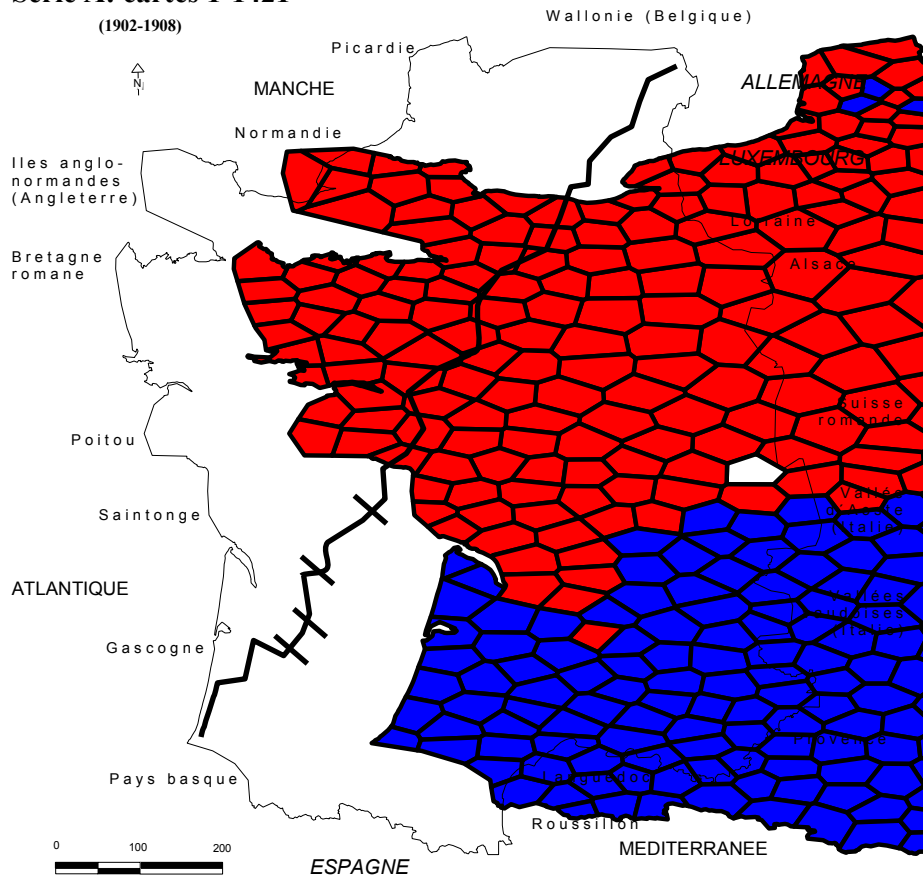
Point de repère : P. 506, Château-Ponsac

Analyse iconique

ALF

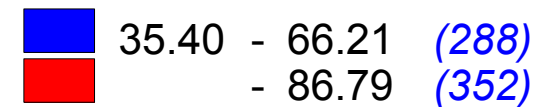
Série A: cartes 1-1421

(1902-1908)

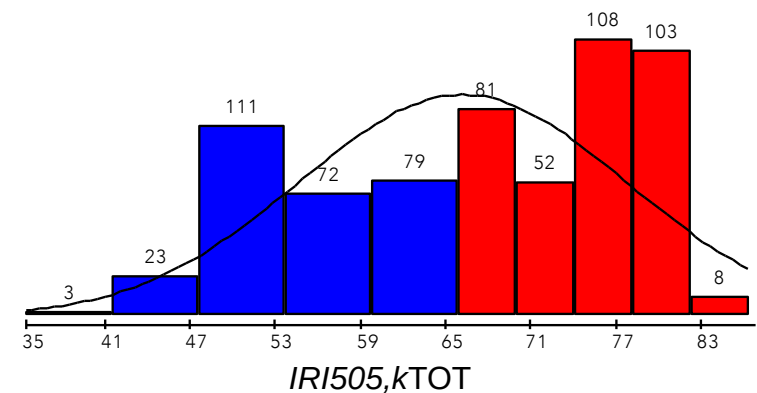


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



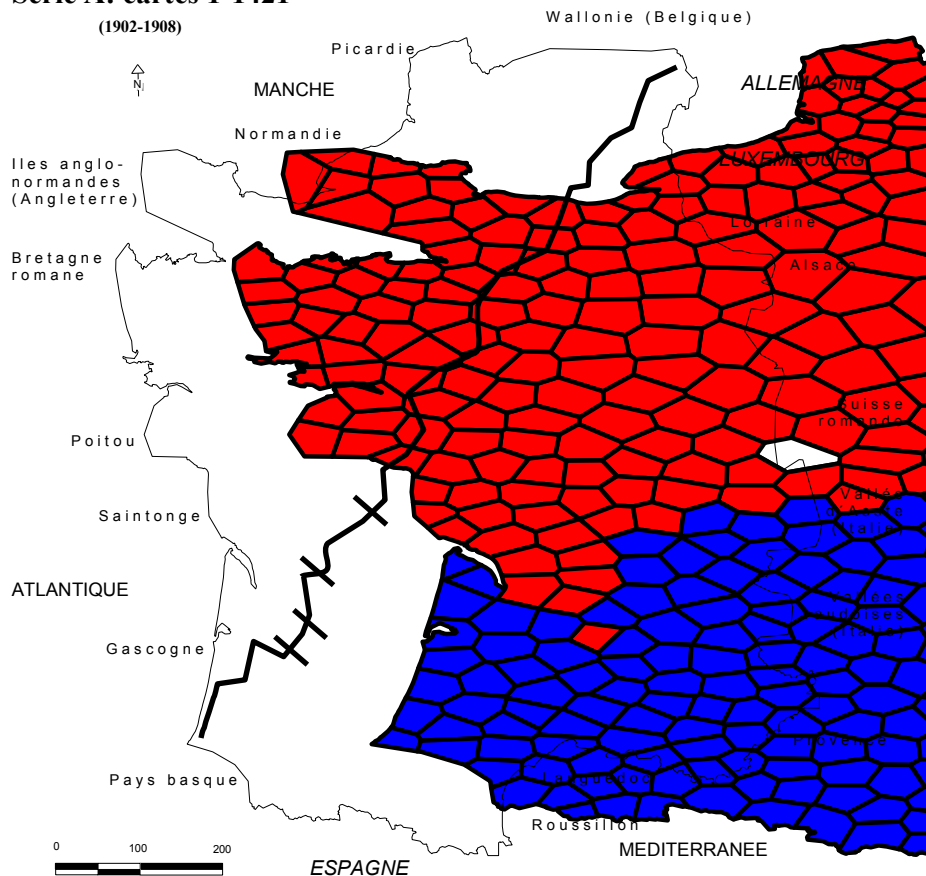
Point de repère : P. 505, Chaillac

Analyse iconique

ALF

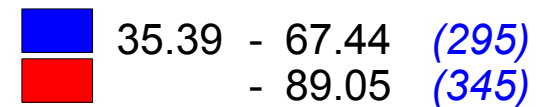
Série A: cartes 1-1421

(1902-1908)

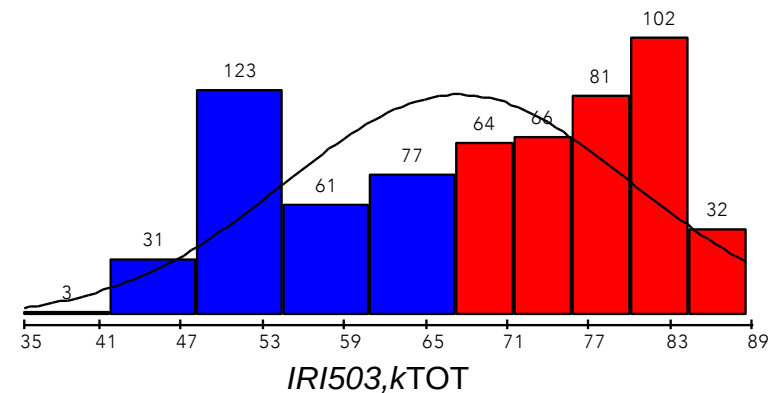


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



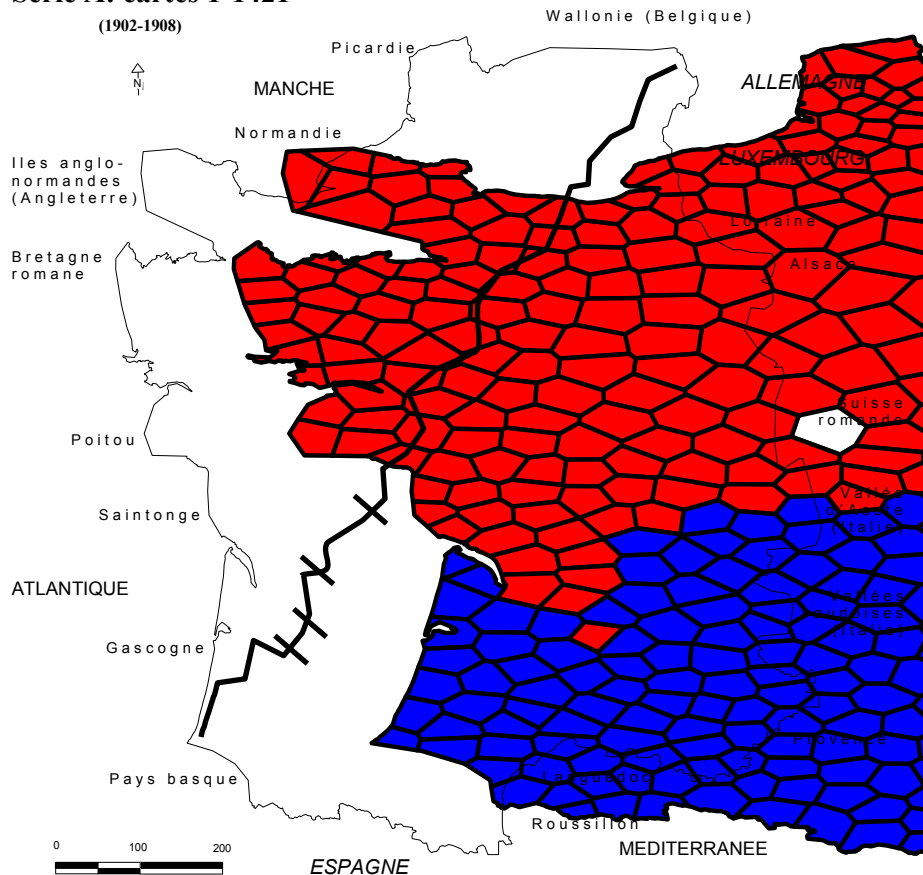
Point de repère : P. 503, Argenton

Analyse iconique

ALF

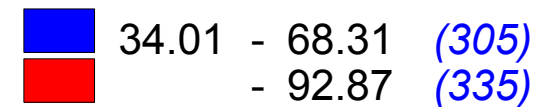
Série A: cartes 1-1421

(1902-1908)

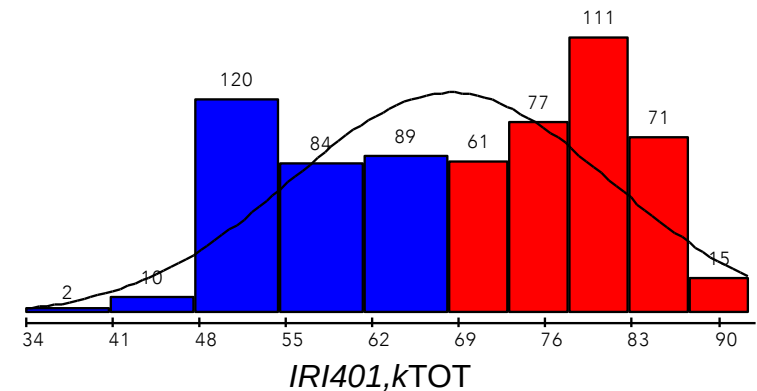


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



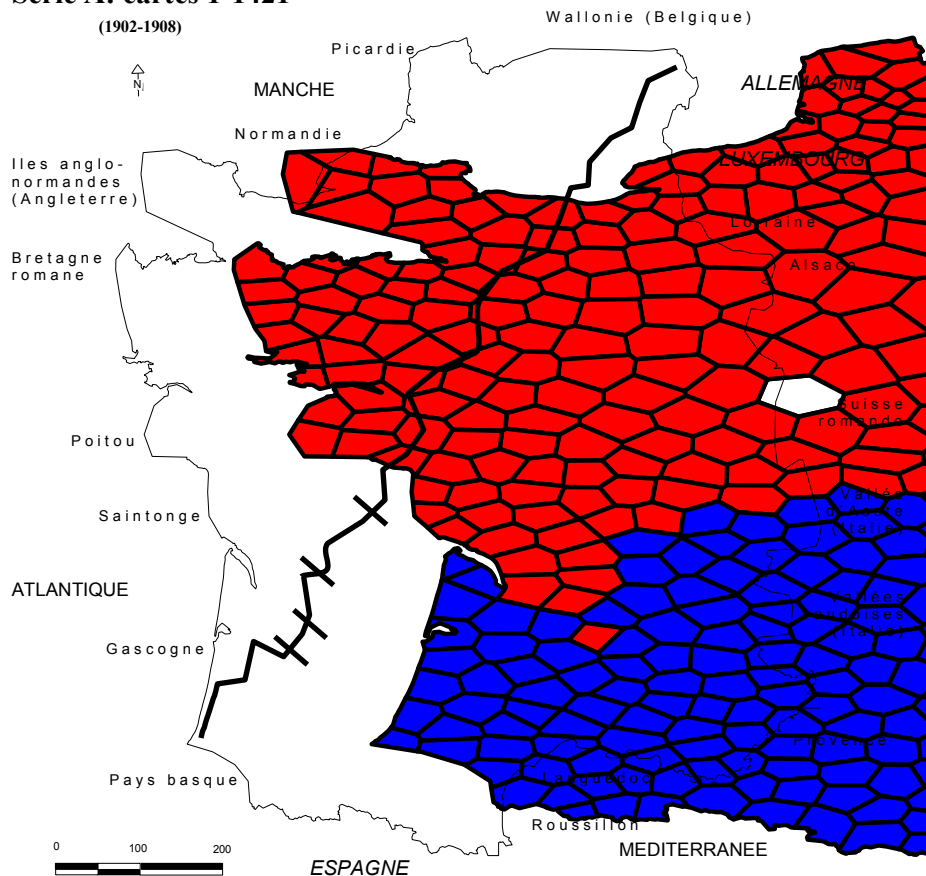
Point de repère : P. 401, Neuvy-Pailloux

Analyse iconique

ALF

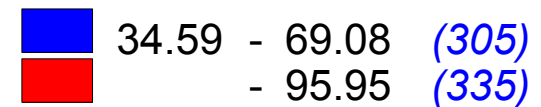
Série A: cartes 1-1421

(1902-1908)

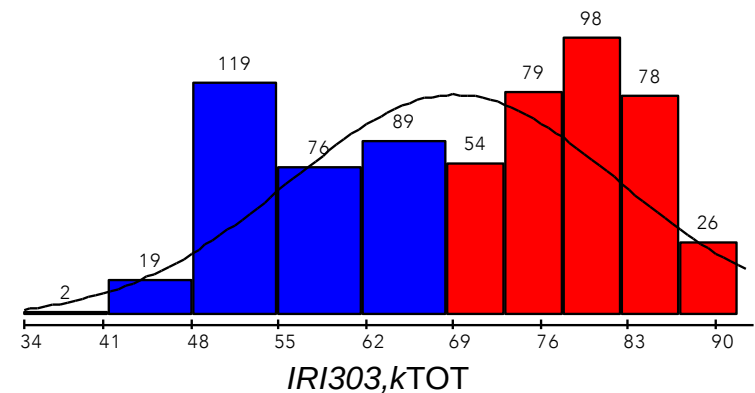


Analyse numérique

Visualisation
MINMWMAX 2-tuple



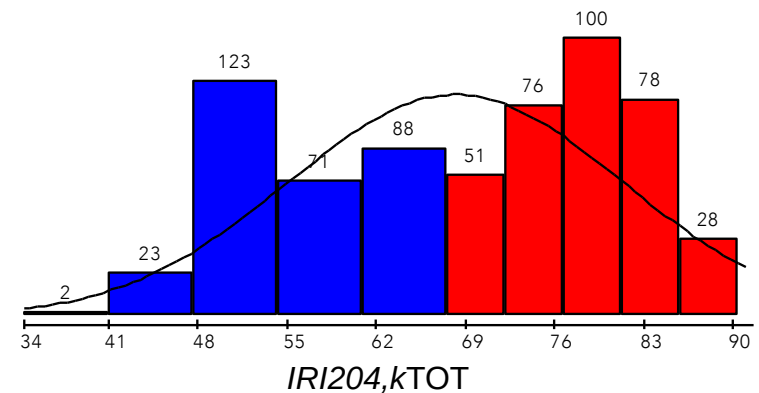
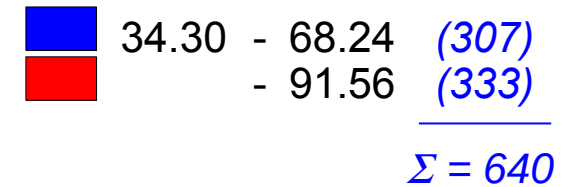
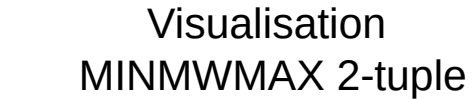
$\Sigma = 640$



Point de repère : P. 303, La Vernelle

Analyse numérique

(1902-1908)



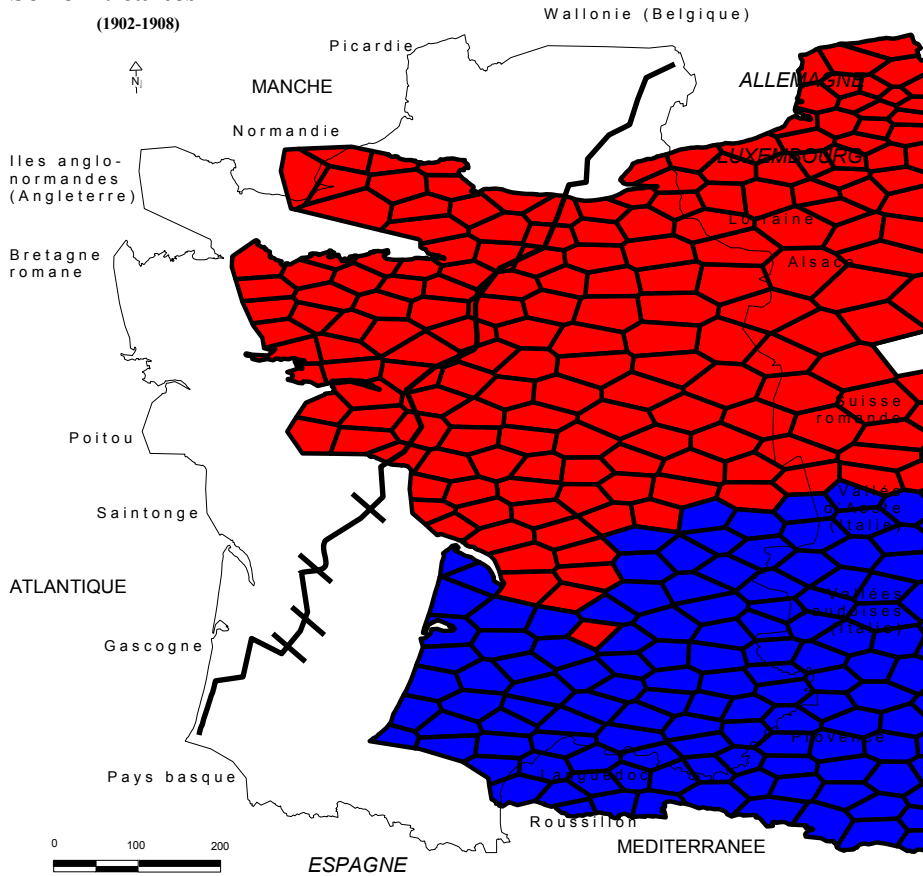
Point de repère : P. 204, Nouan-le-Fuzelier

Analyse iconique

ALF

Série A: cartes 1-1421

(1902-1908)

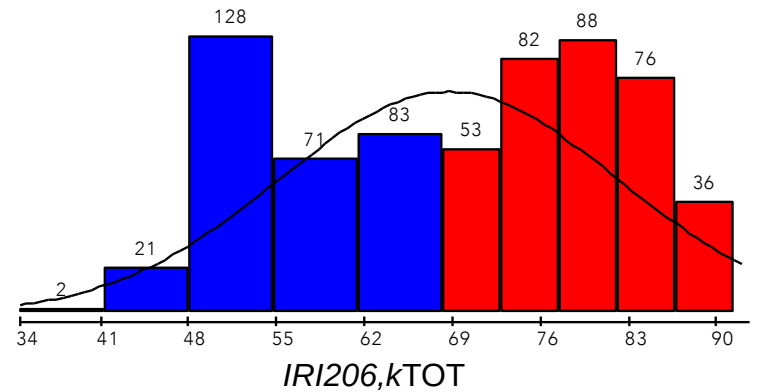
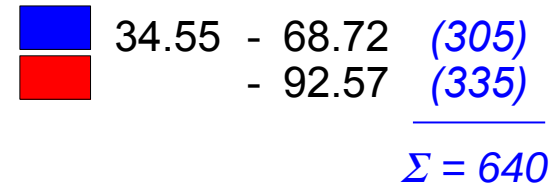


Point de repère : P. 206, Poilly

Analyse numérique

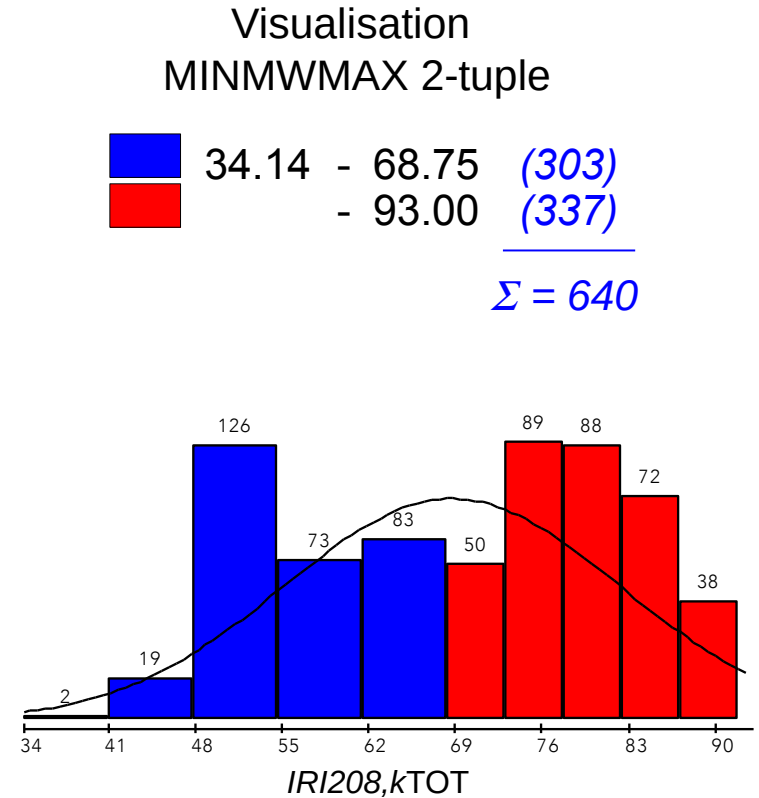
Visualisation

MINMWMAX 2-tuple



Analyse numérique

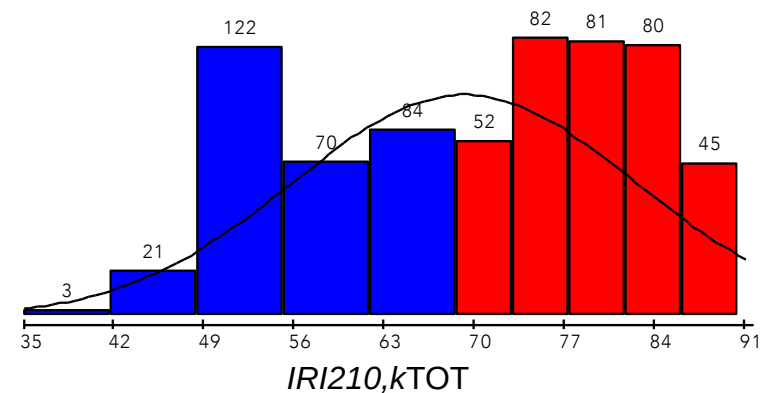
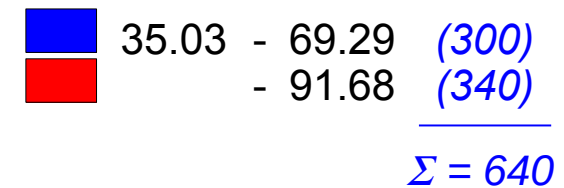
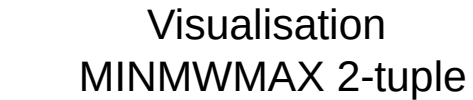
(1902-1908)



Point de repère : P. 208, Chenou

Analyse numérique

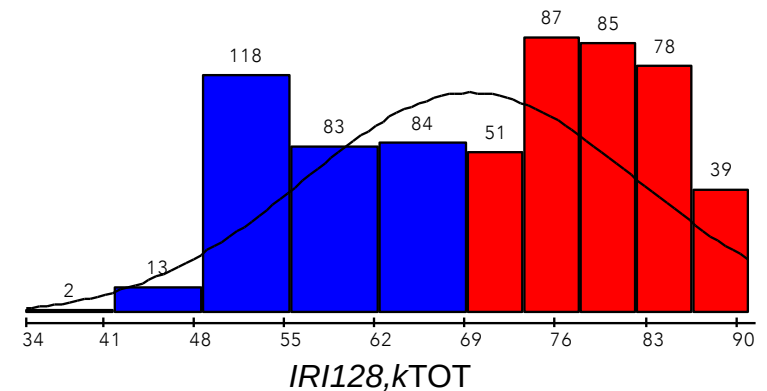
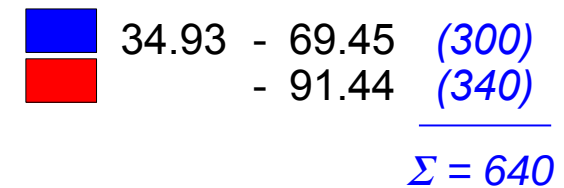
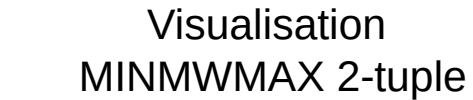
(1902-1908)



Point de repère : P. 210, Longueville

Analyse numérique

(1902-1908)



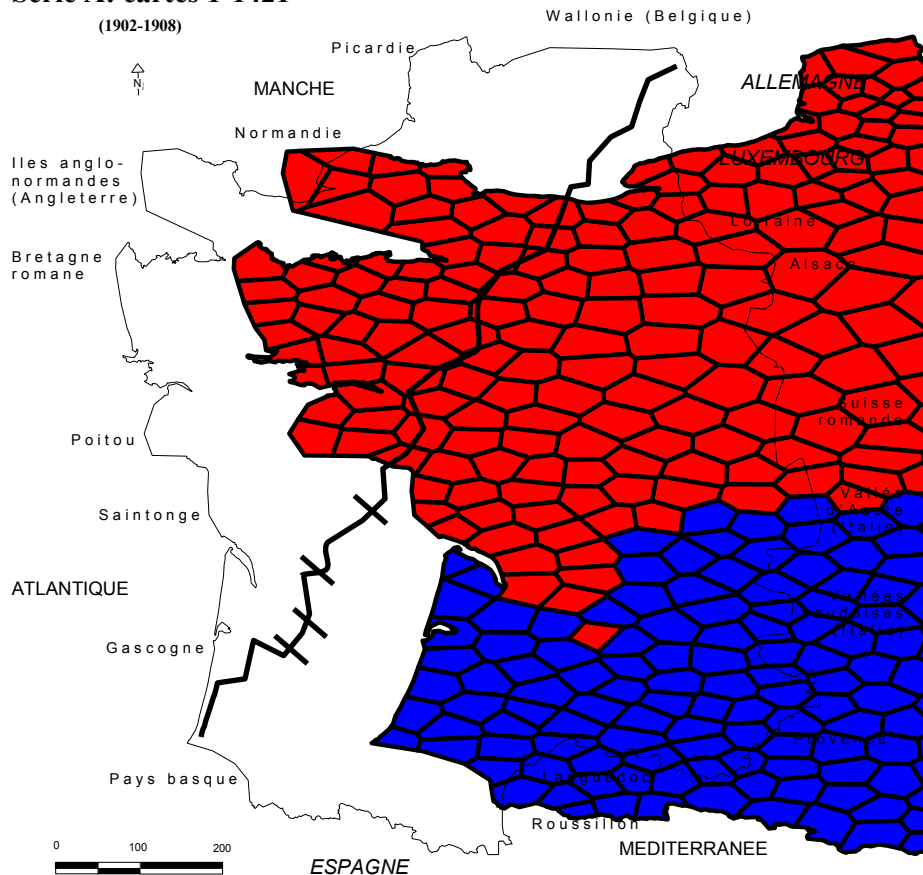
Point de repère : P. 128, Linthes

Analyse iconique

ALF

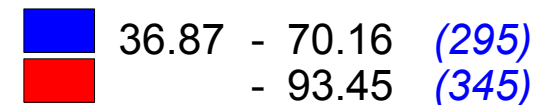
Série A: cartes 1-1421

(1902-1908)

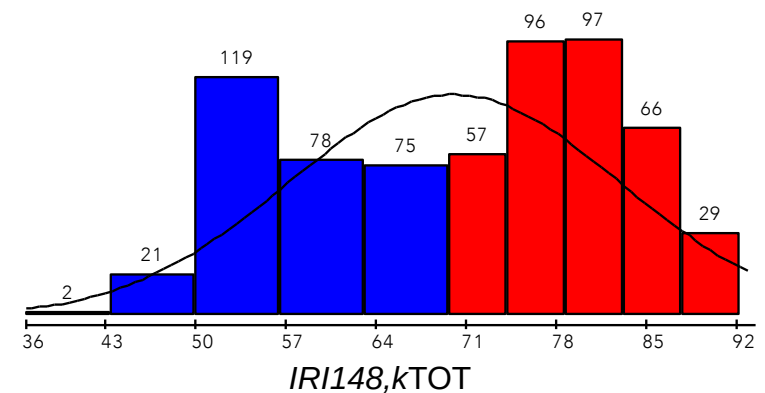


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



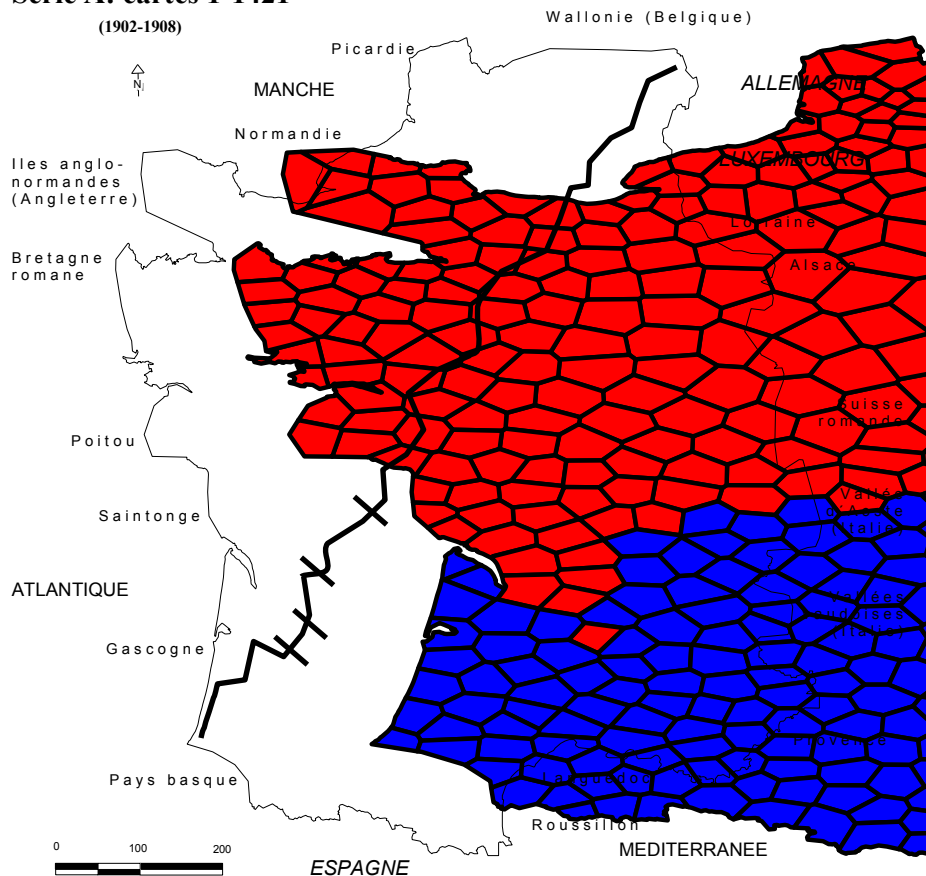
Point de repère : P. 148, Verzenay

Analyse iconique

ALF

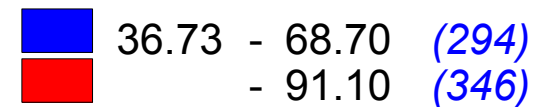
Série A: cartes 1-1421

(1902-1908)

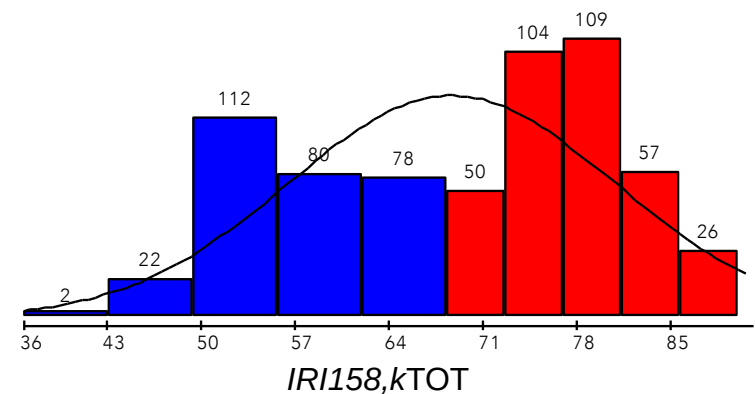


Analyse numérique

Visualisation
MINMWMAX 2-tuple



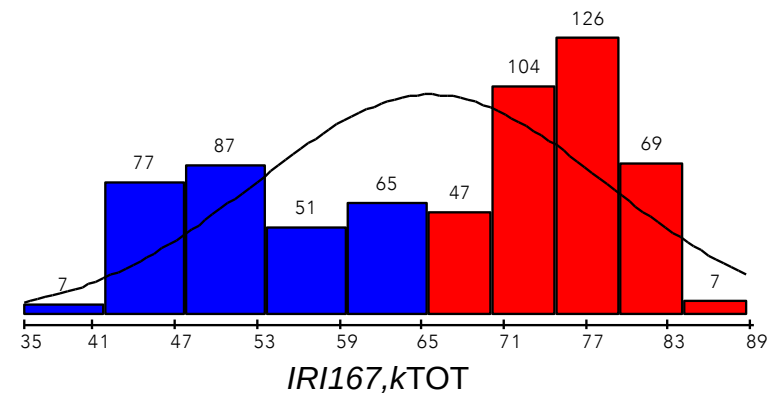
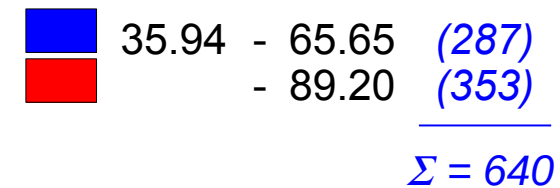
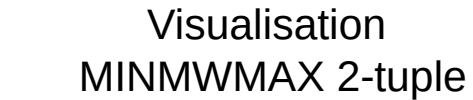
$\Sigma = 640$



Point de repère : P. 158, Le Châtelet

Analyse numérique

(1902-1908)



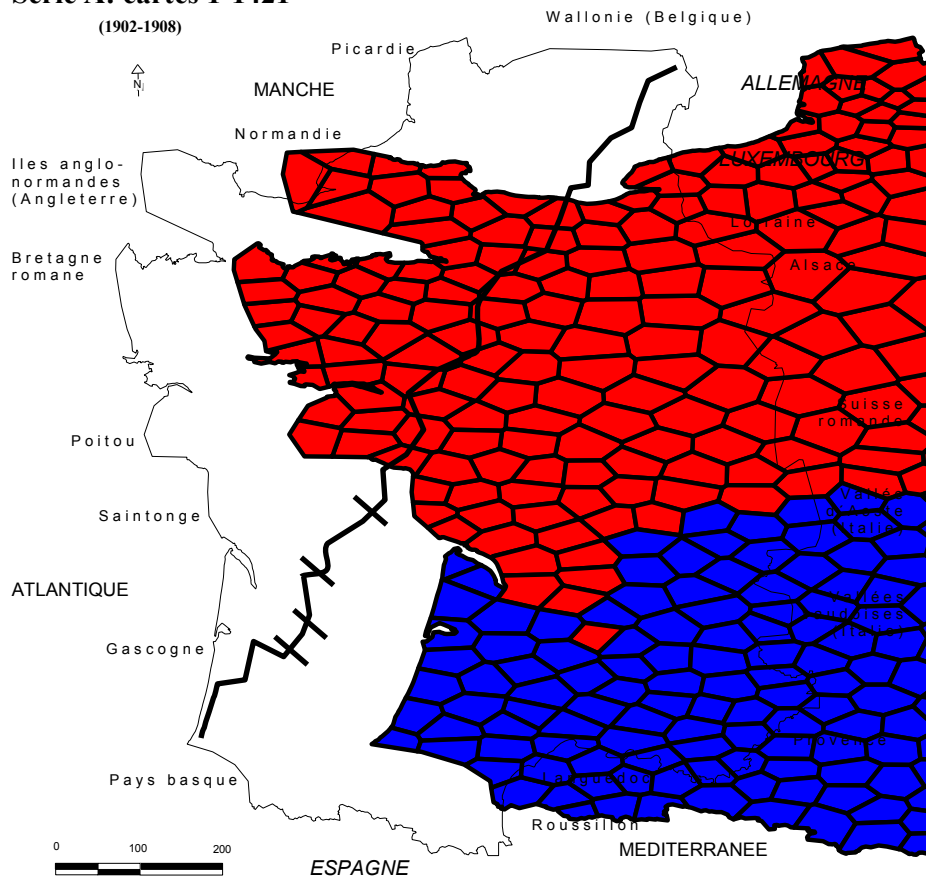
Point de repère : P. 167, Charbogne

Analyse iconique

ALF

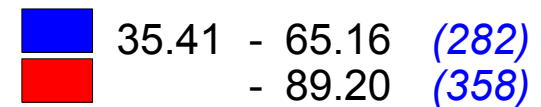
Série A: cartes 1-1421

(1902-1908)

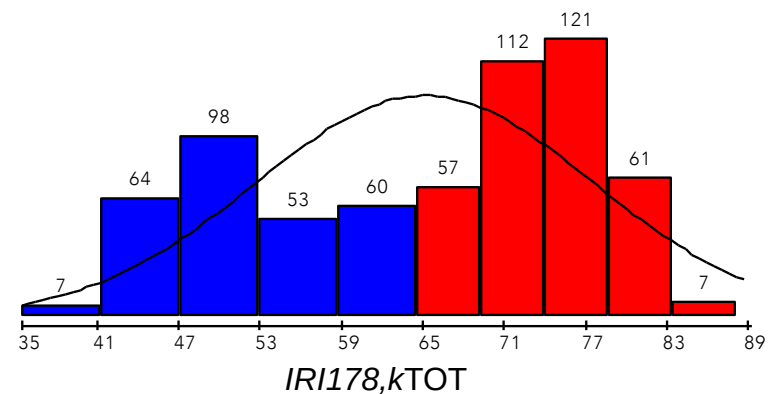


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



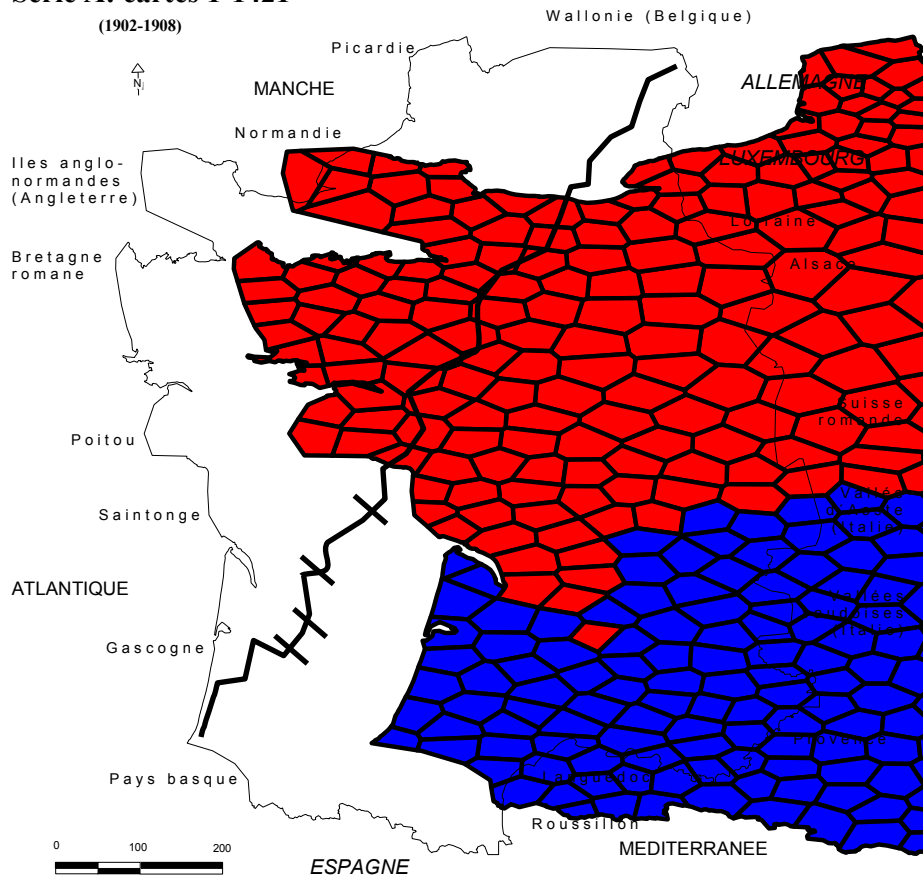
Point de repère : P. 178, Sormonne

Analyse iconique

ALF

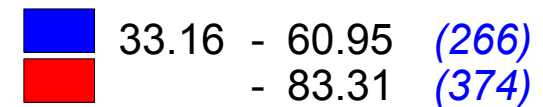
Série A: cartes 1-1421

(1902-1908)

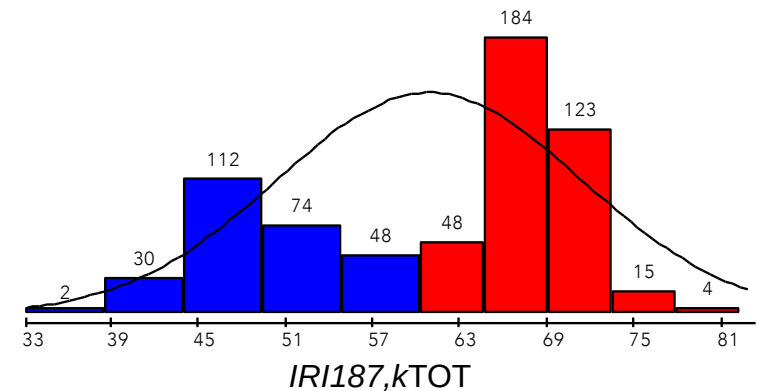


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



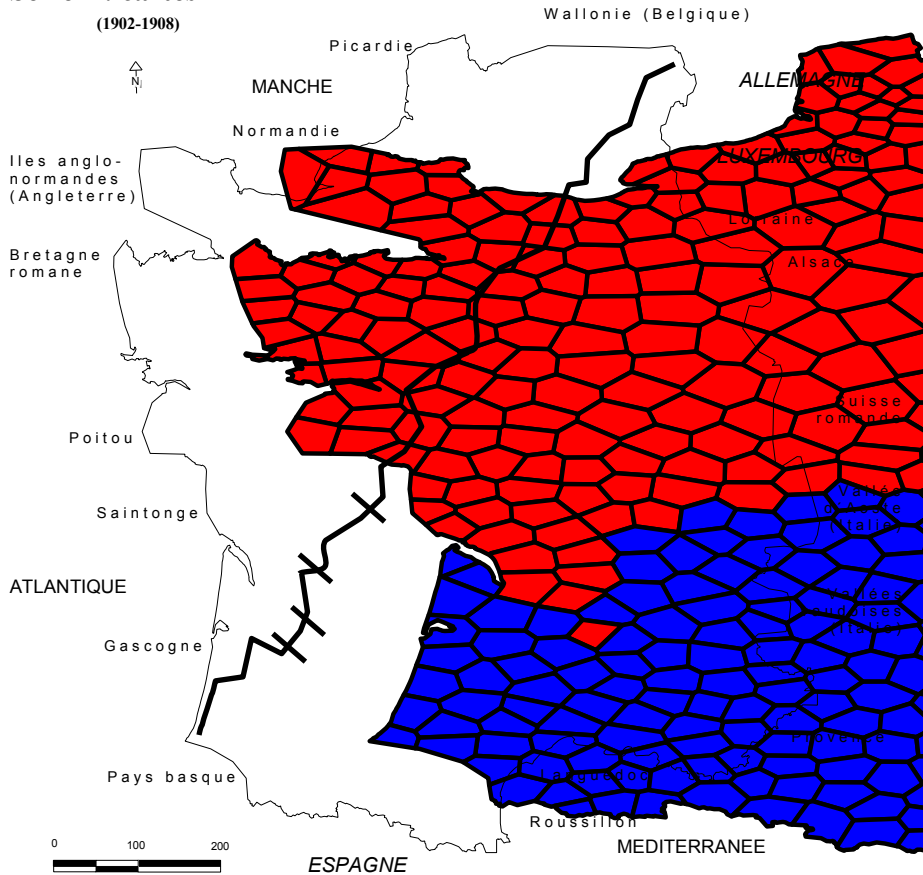
Point de repère : P. 187, Gedinne

Analyse iconique

ALF

Série A: cartes 1-1421

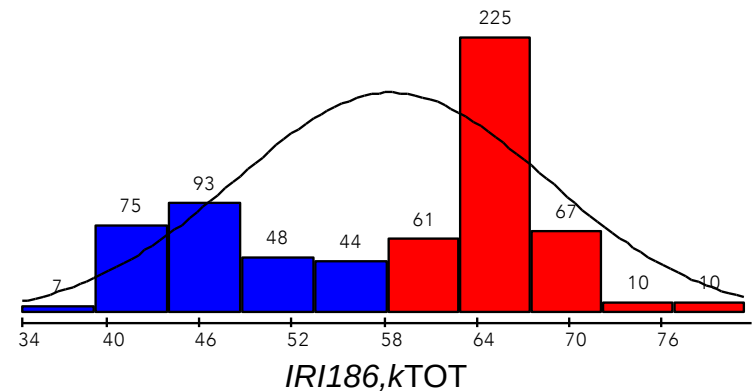
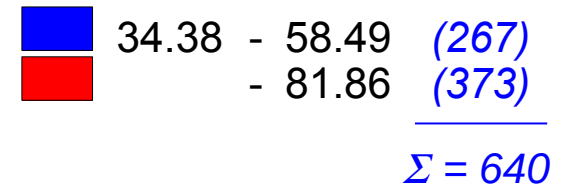
(1902-1908)



Analyse numérique

Visualisation

MINMWMAX 2-tuple



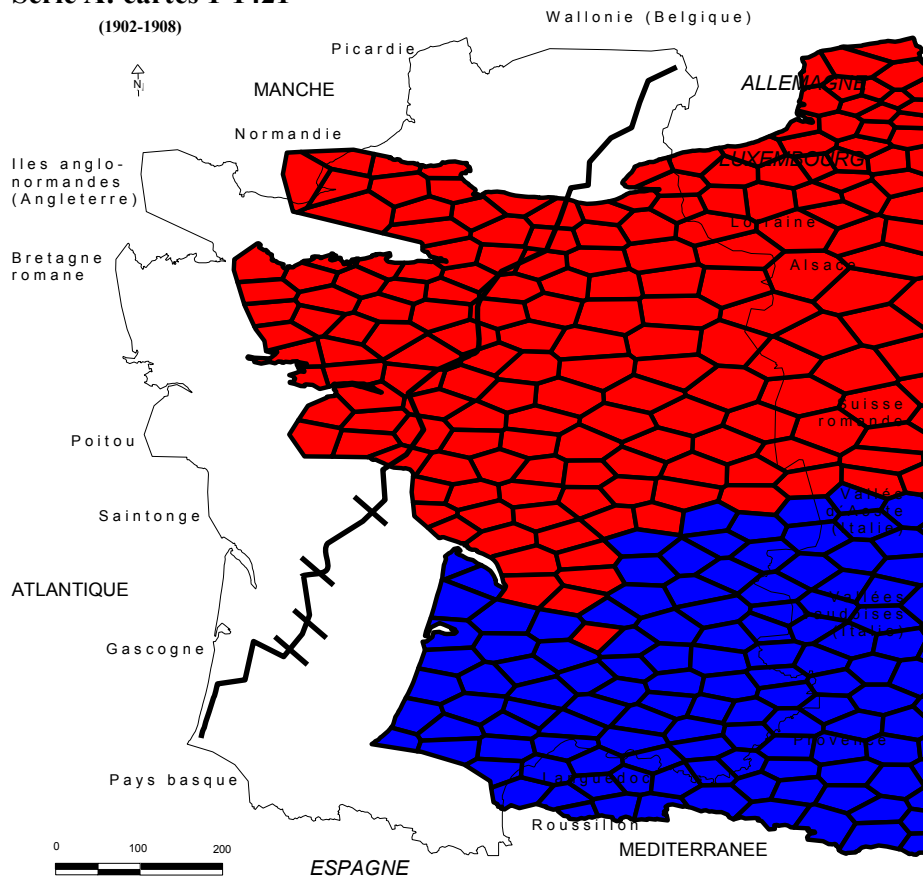
Point de repère : P. 186, Grupont

Analyse iconique

ALF

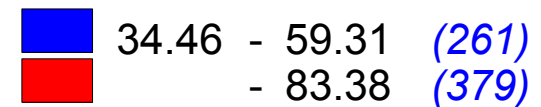
Série A: cartes 1-1421

(1902-1908)

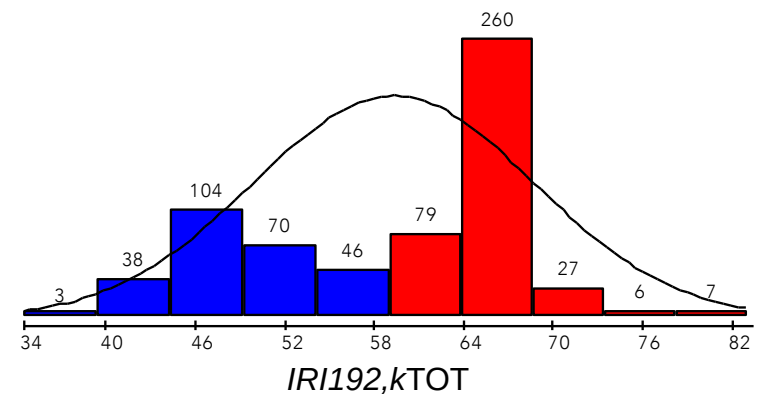


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



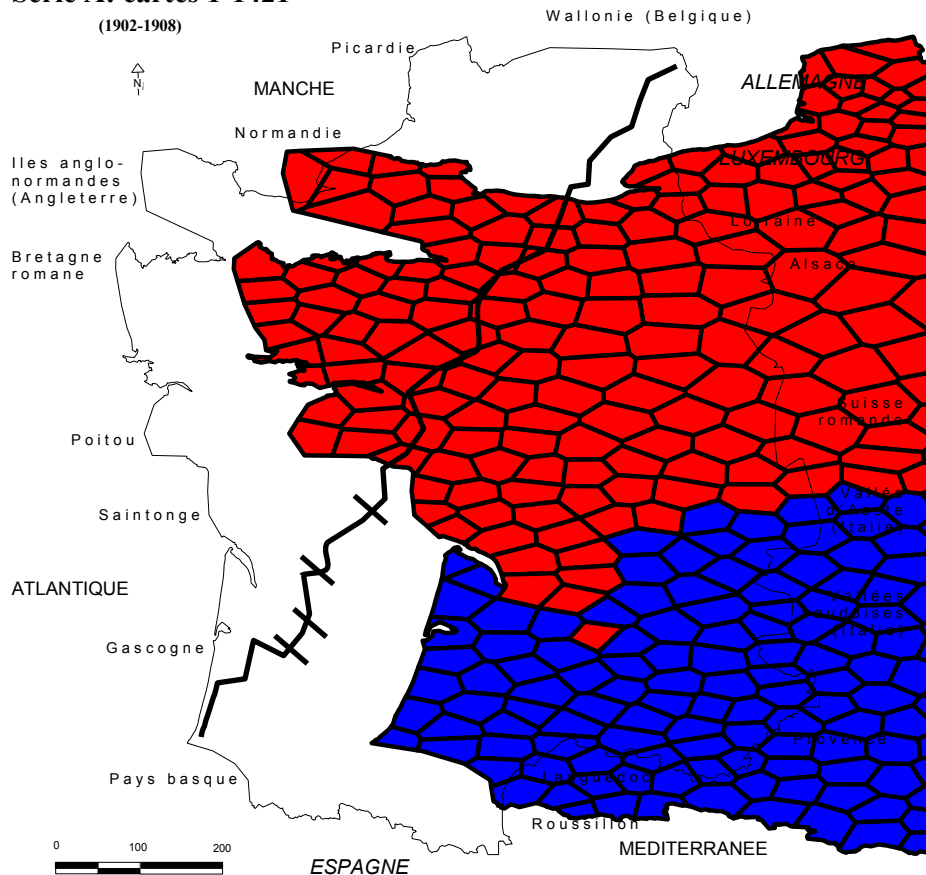
Point de repère : P. 192, Bomal-lez-Derbuy

Analyse iconique

ALF

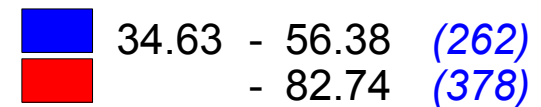
Série A: cartes 1-1421

(1902-1908)

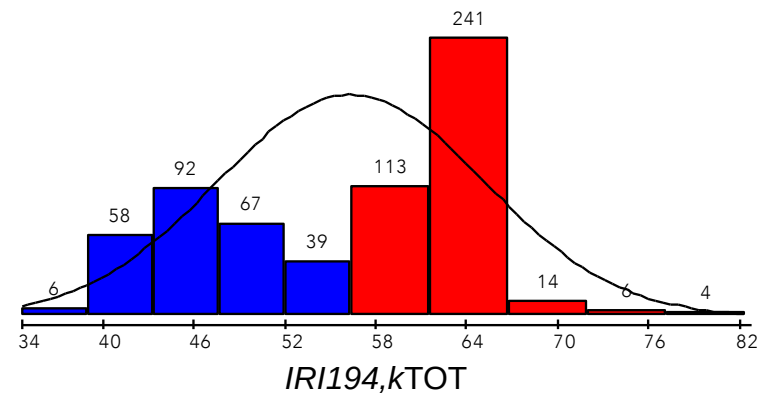


Analyse numérique

Visualisation
MINMWMAX 2-tuple



$\Sigma = 640$



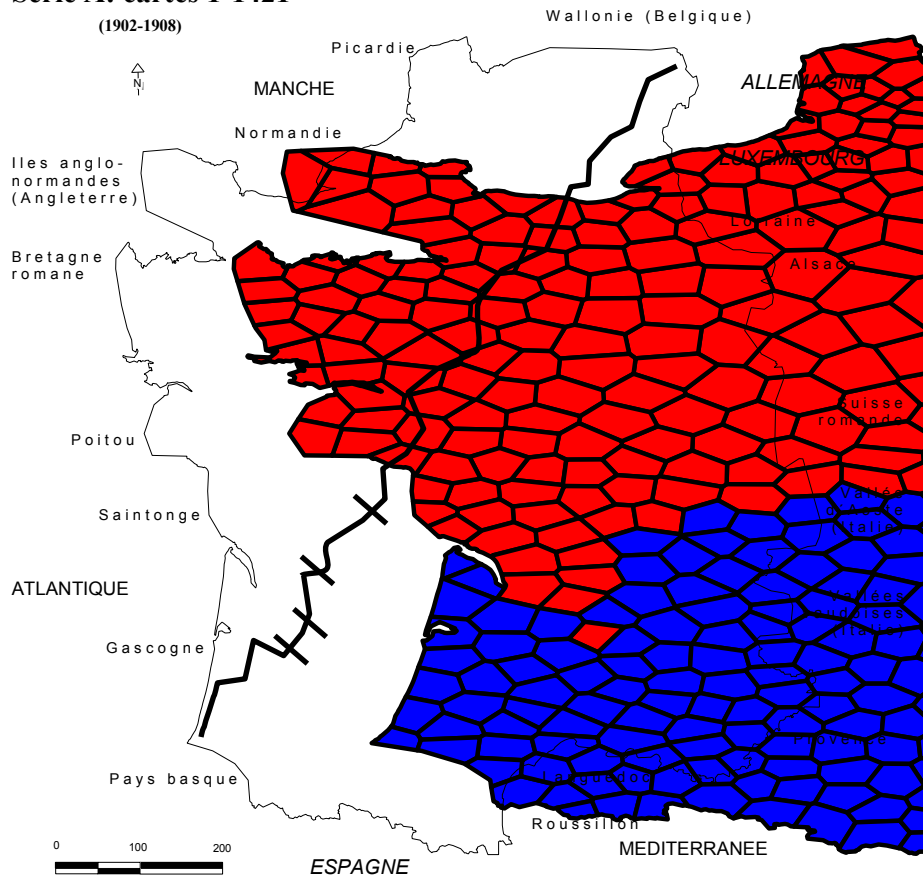
Point de repère : P. 194, Beaufays

Analyse iconique

ALF

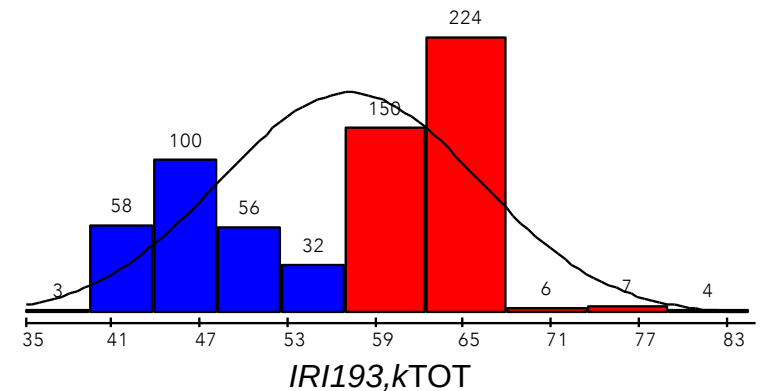
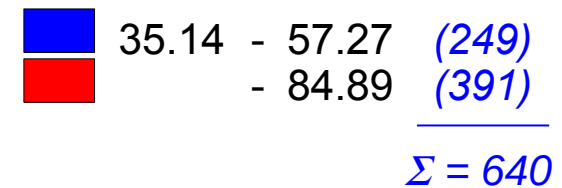
Série A: cartes 1-1421

(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 2-tuple

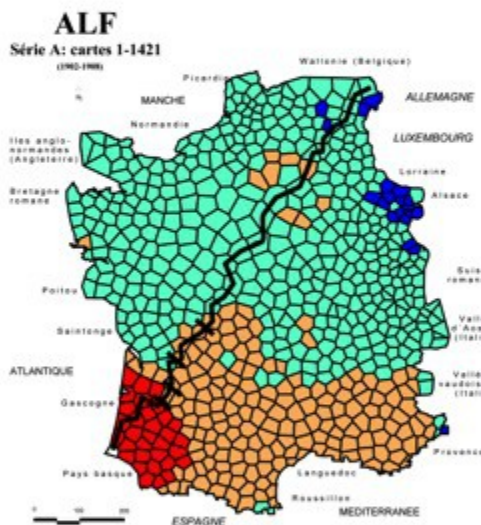


Point de repère : P. 193, Dolhain

Point de départ et point d'arrivée d'un parcours d'épreuve typo-diagnostique entre la Gascogne et la Wallonie

Profils choroplèthes à quatre classes (intervalles)

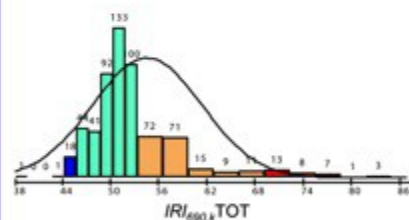
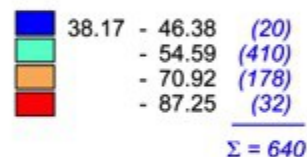
Analyse iconique



Point de repère: P. 690, Biarritz

Analyse numérique

Visualisation
MINMWMAX 4-tuple



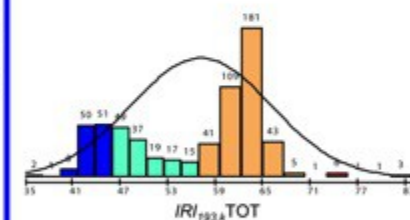
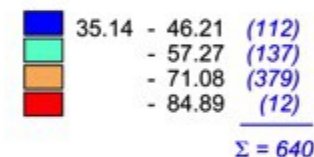
Analyse iconique



Point de repère: P. 193, Dolhain

Analyse numérique

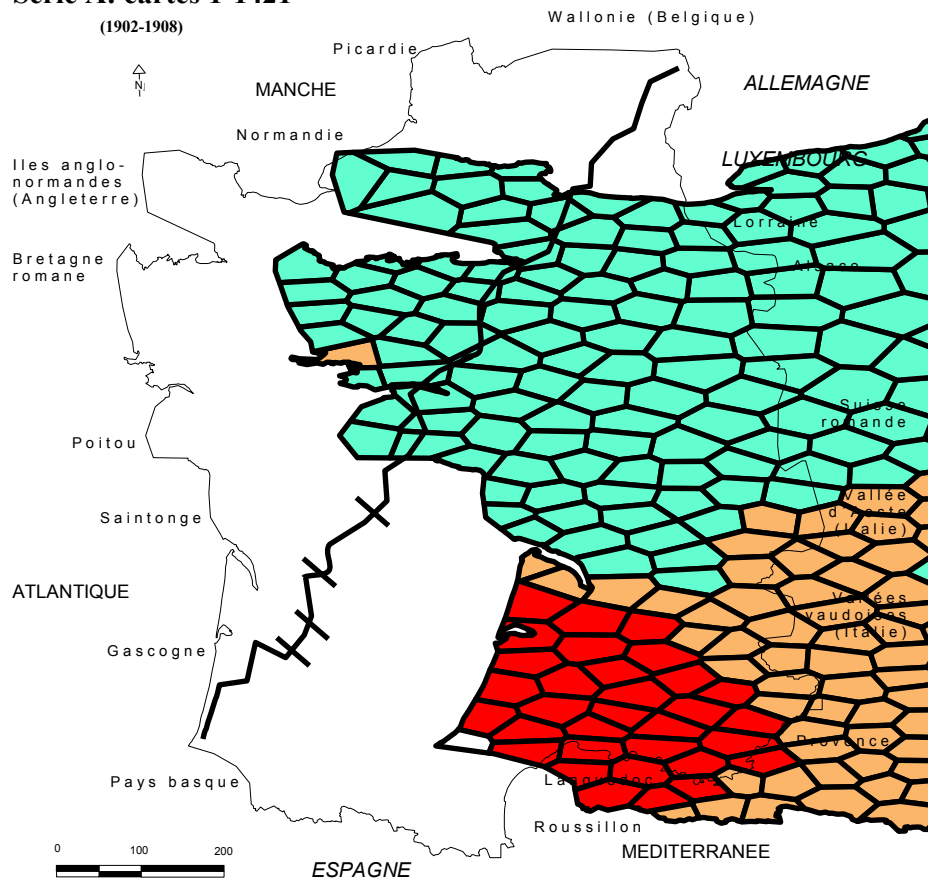
Visualisation
MINMWMAX 4-tuple



Analyse iconique

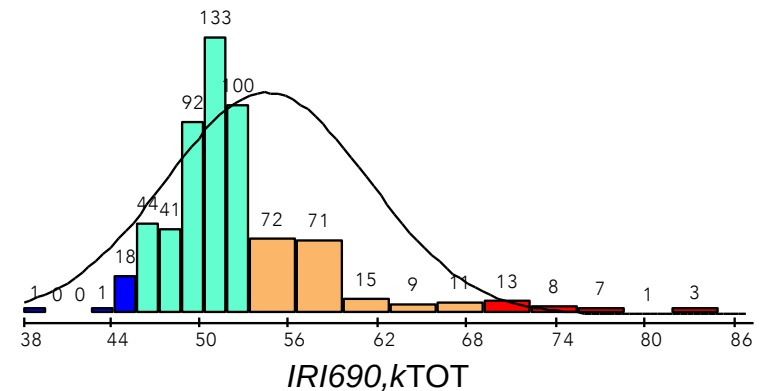
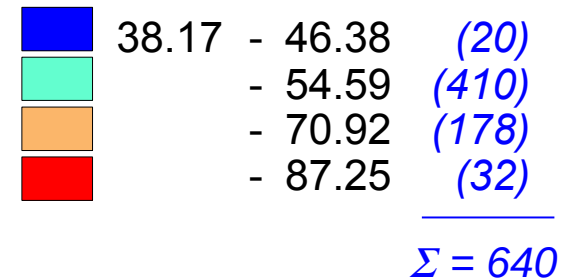
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

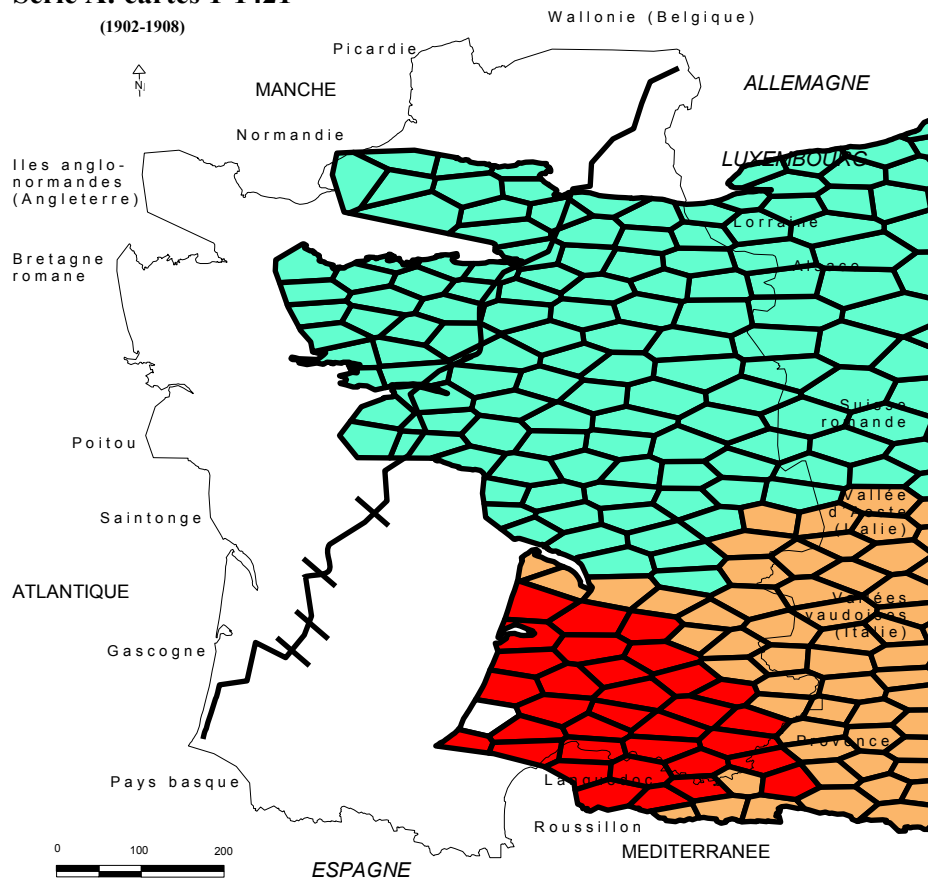


Point de repère: P. 690, Biarritz

Analyse iconique

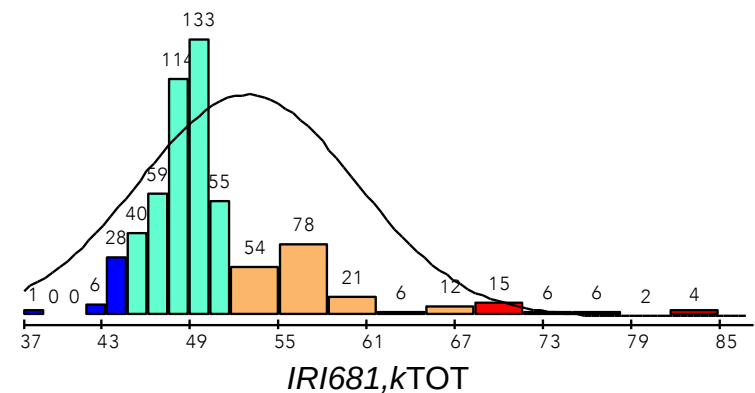
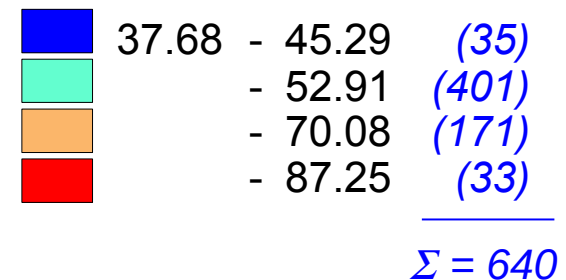
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

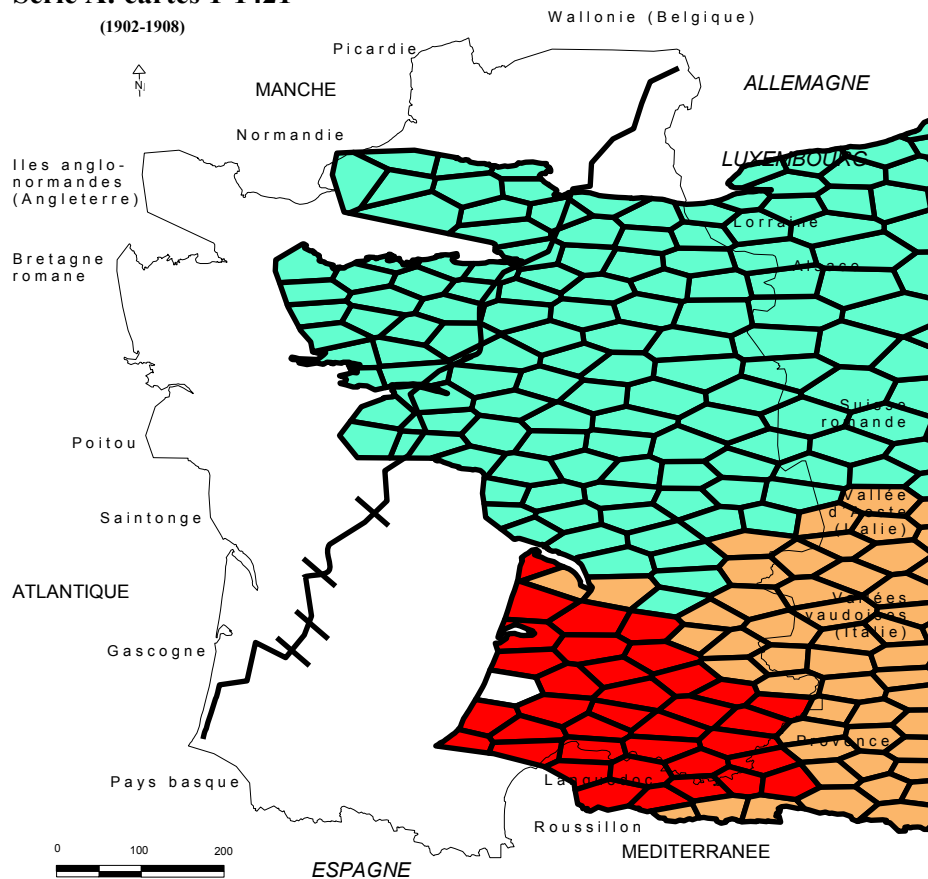


Point de repère: P. 681, Soustons

Analyse iconique

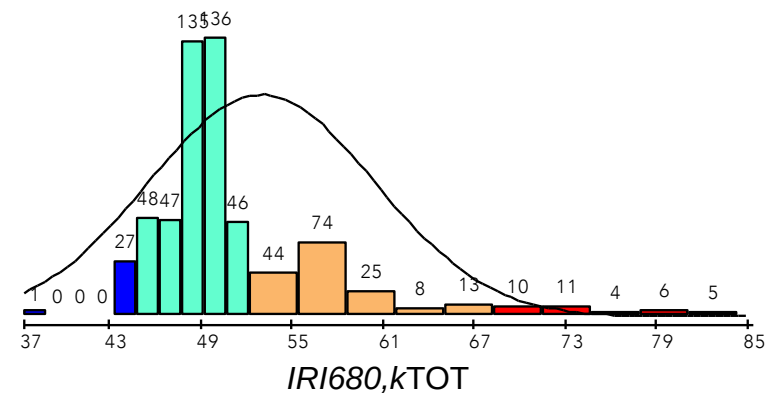
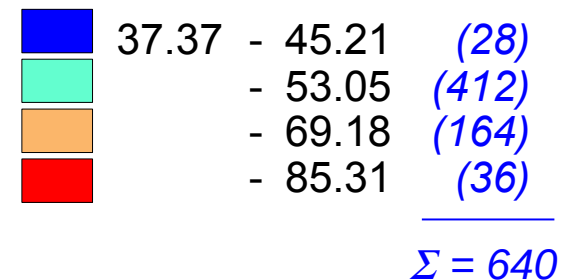
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

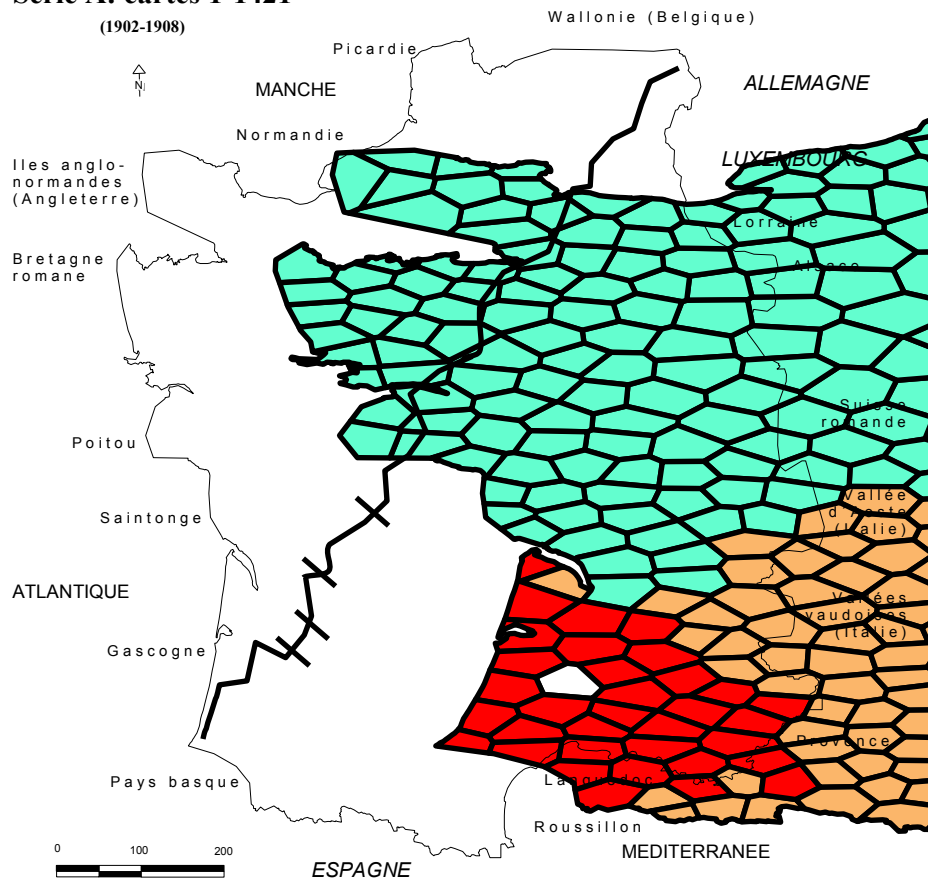


Point de repère: P. 680, Mézos

Analyse iconique

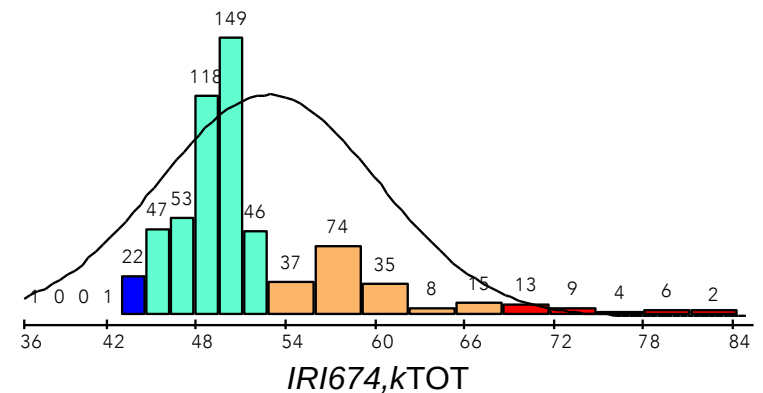
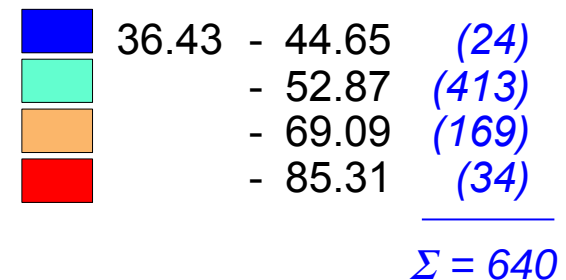
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

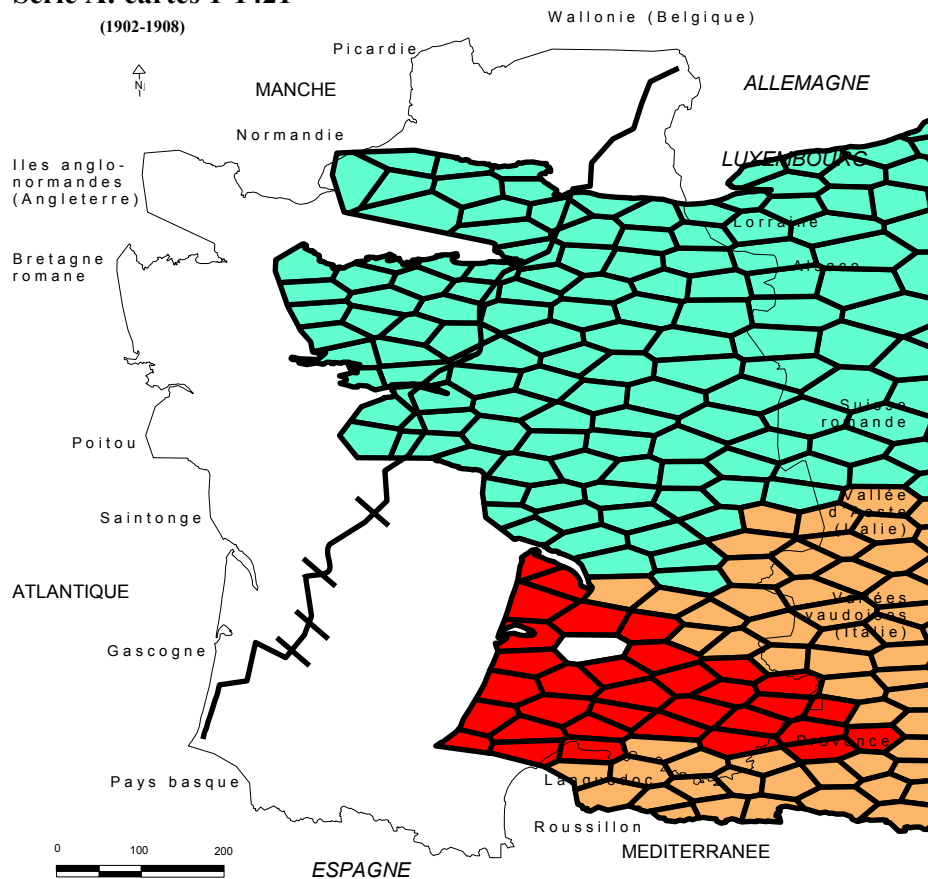


Point de repère: P. 674, Sabres

Analyse iconique

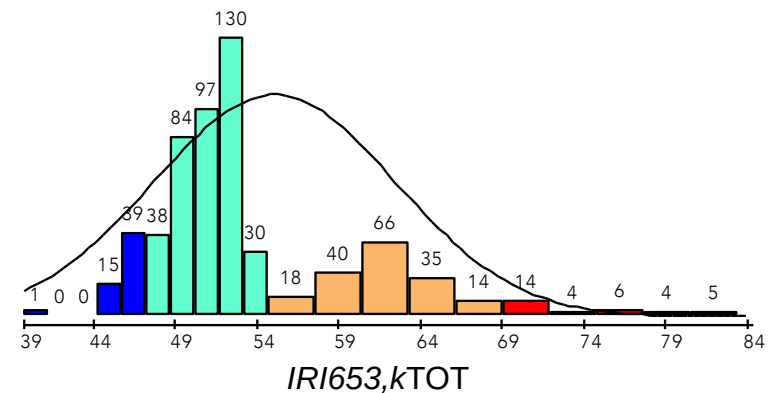
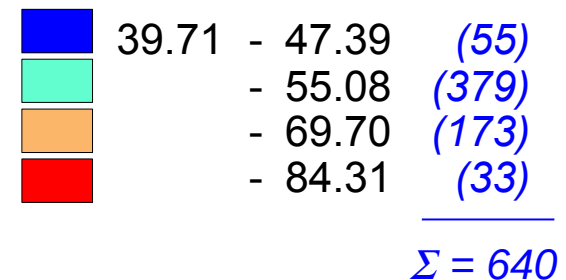
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

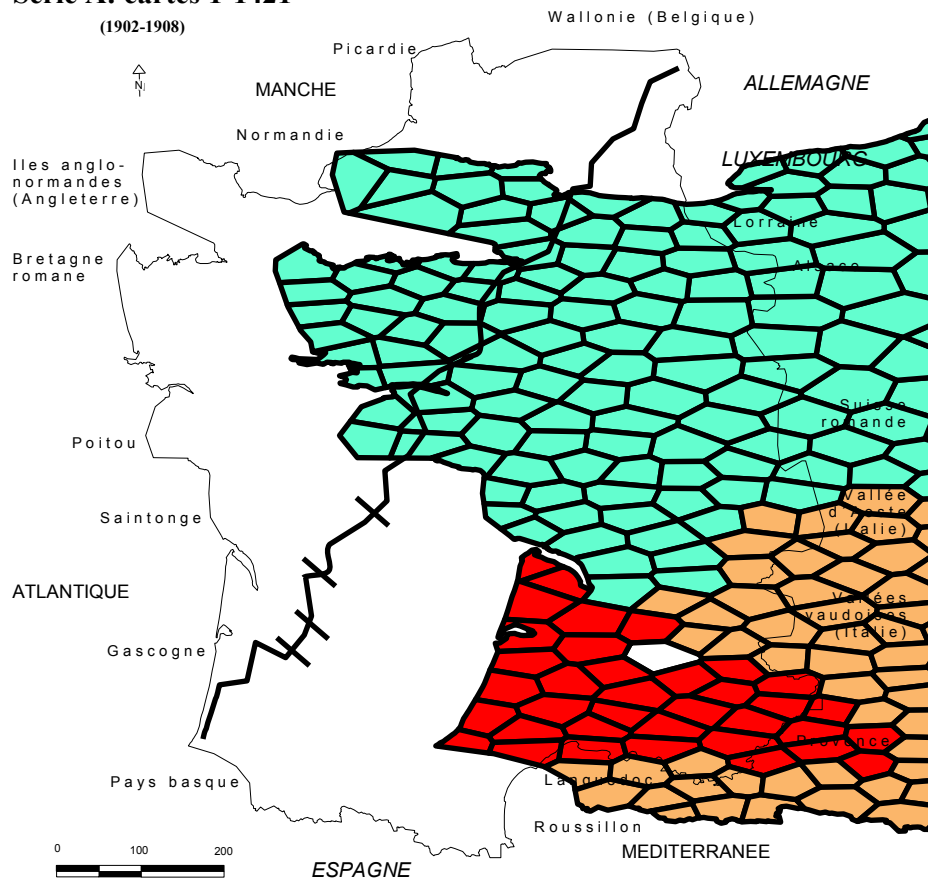


Point de repère: P. 653, Hostens

Analyse iconique

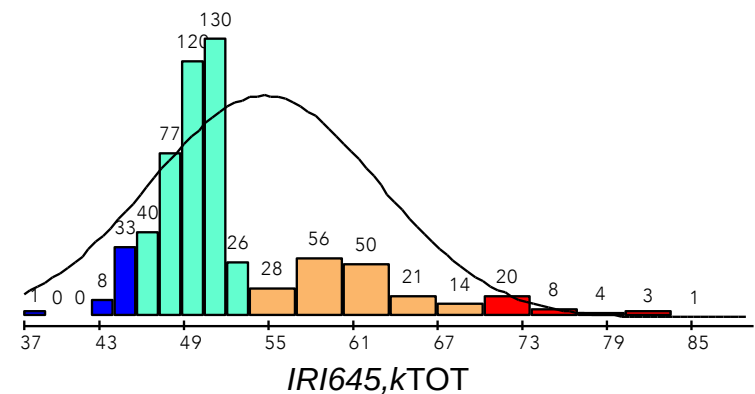
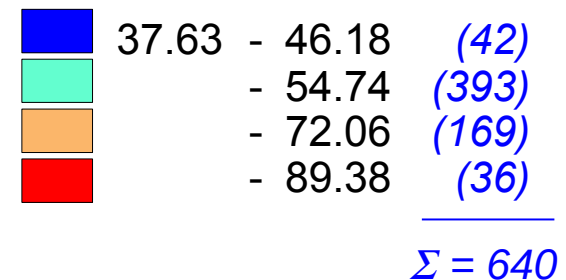
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

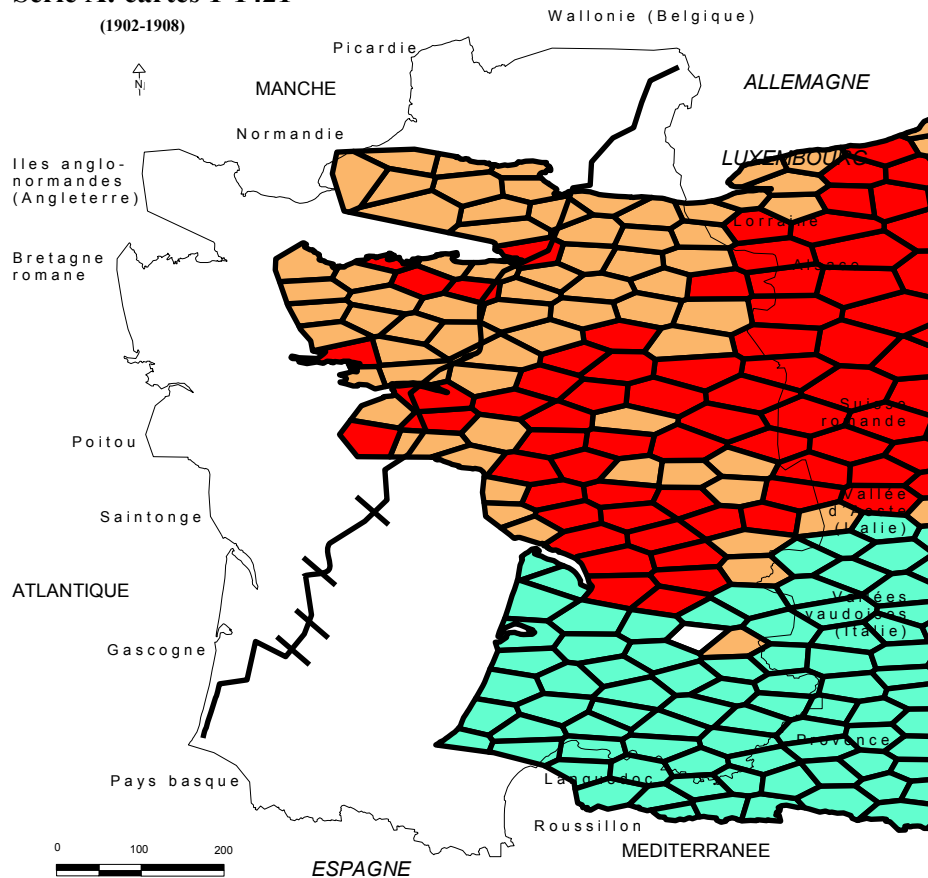


Point de repère: P. 645, Saint-Côme

Analyse iconique

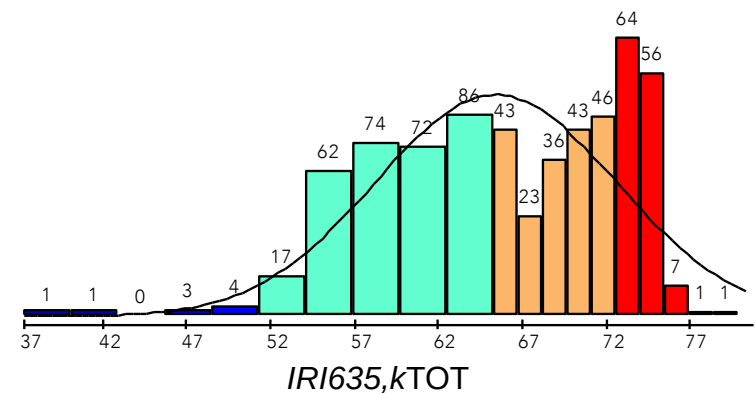
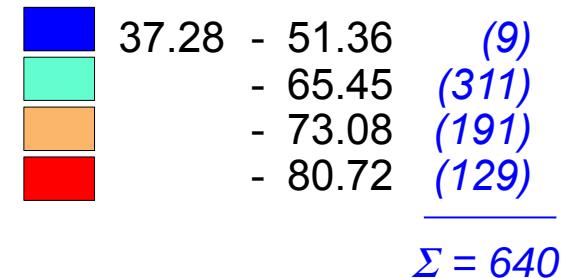
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

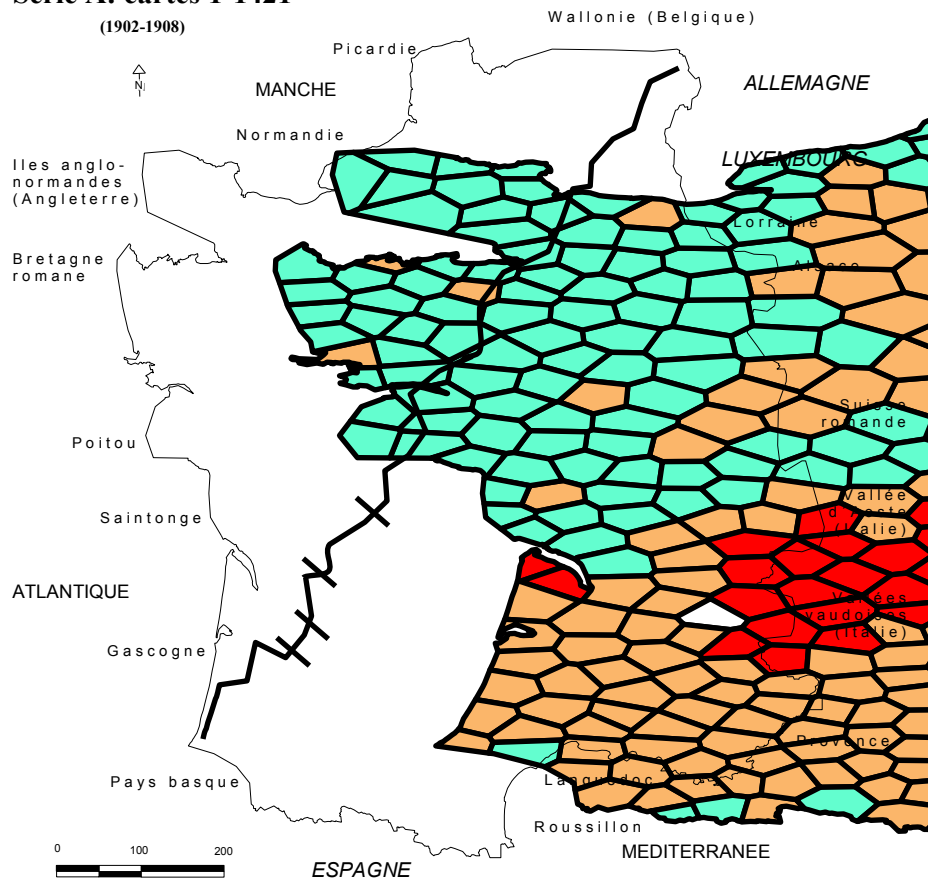


Point de repère : P. 635, Andraut (îlot linguistique oïlique)

Analyse iconique

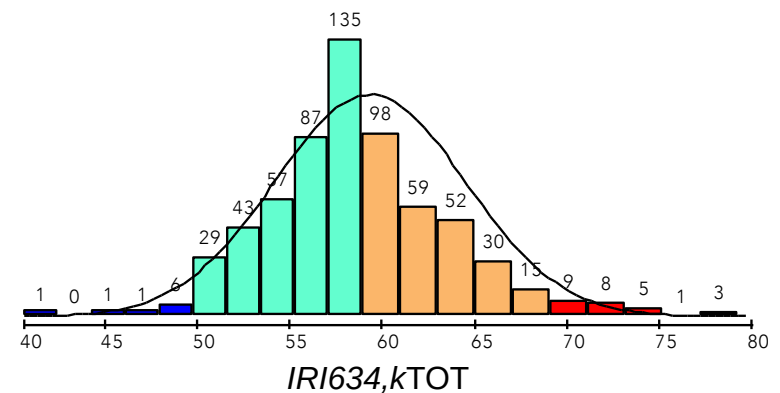
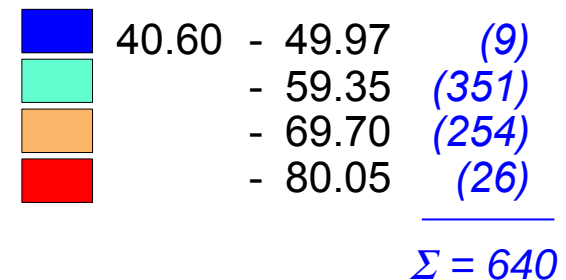
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

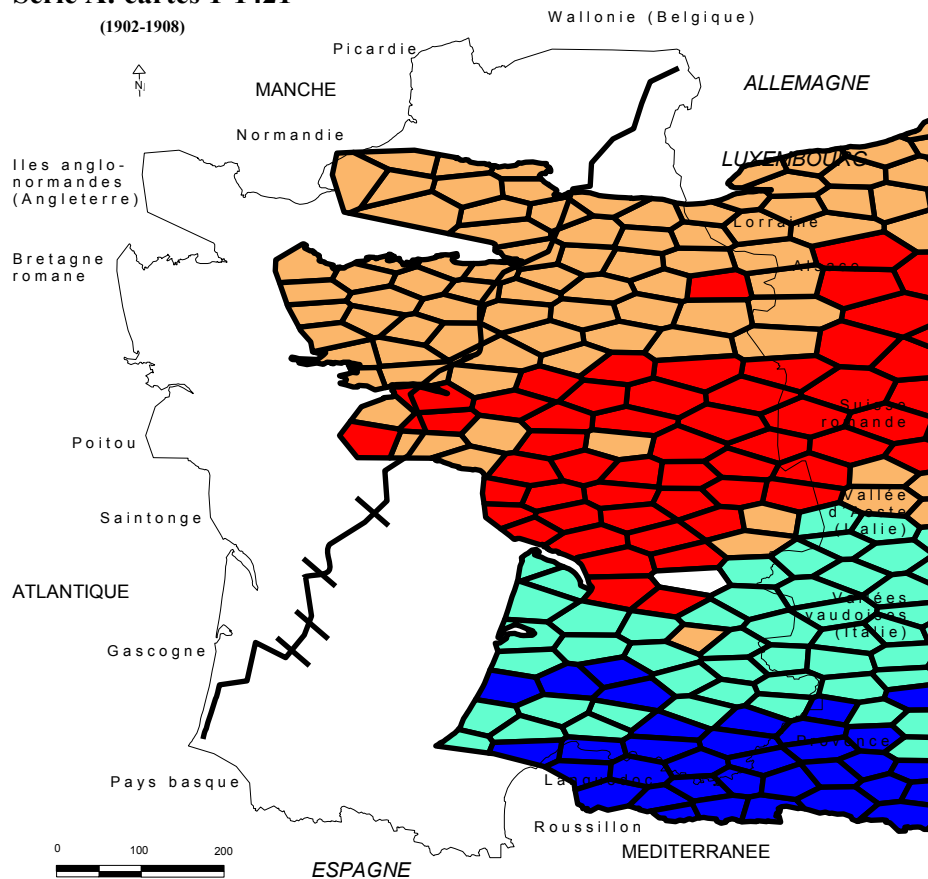


Point de repère: P. 634, Vélines

Analyse iconique

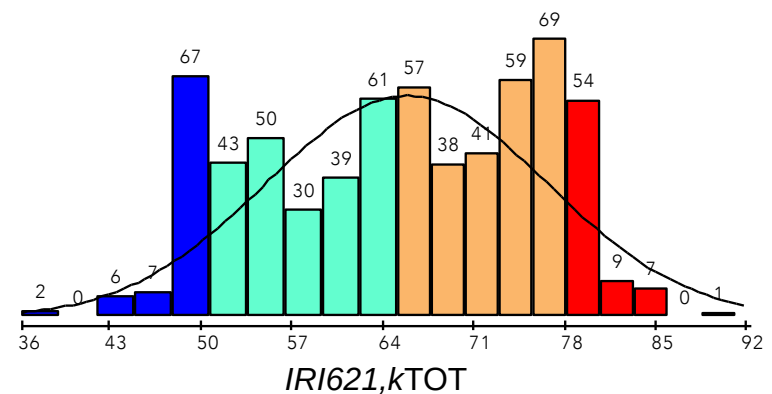
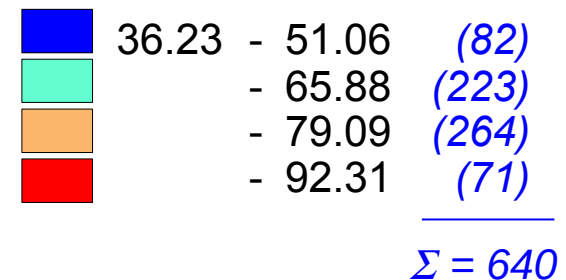
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

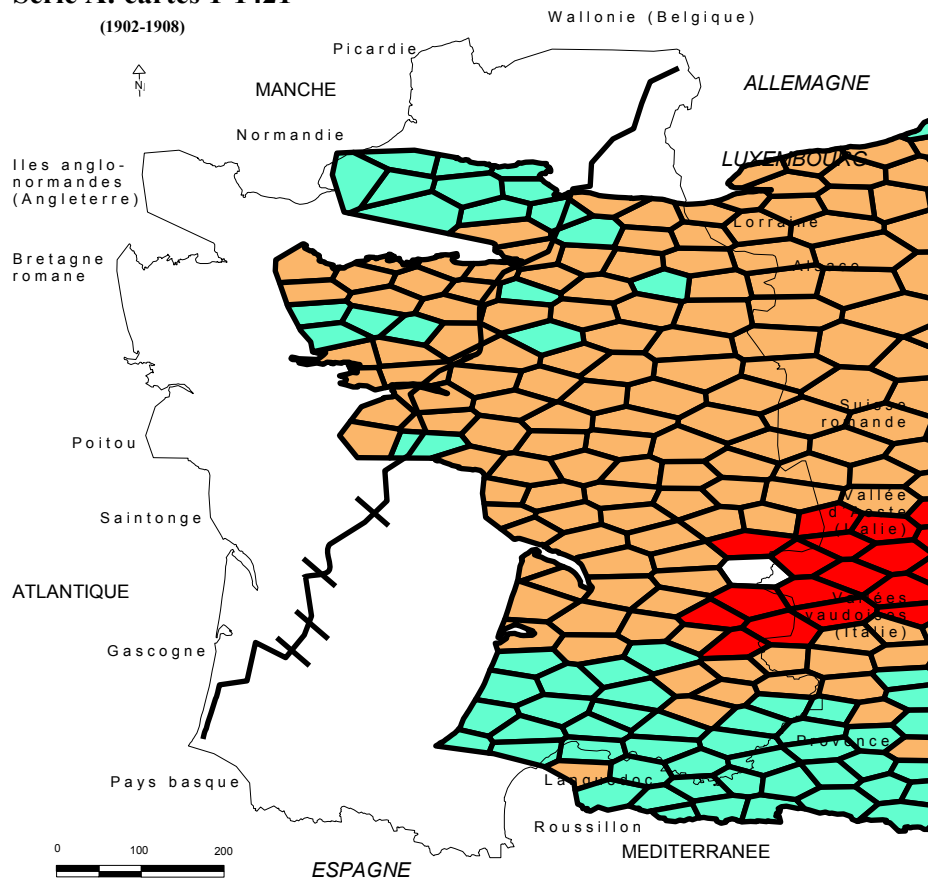


Point de repère: P. 621, Yviers

Analyse iconique

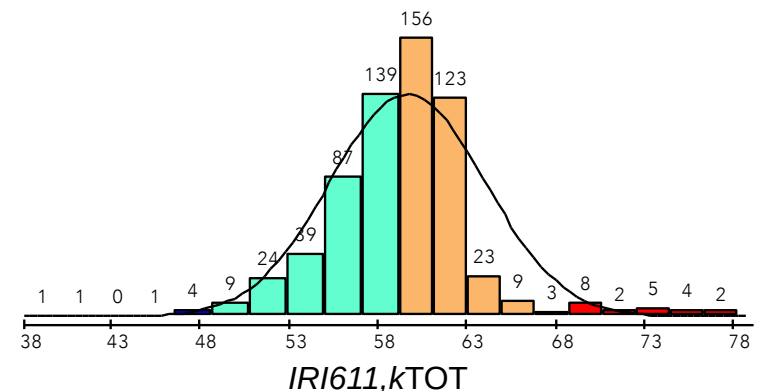
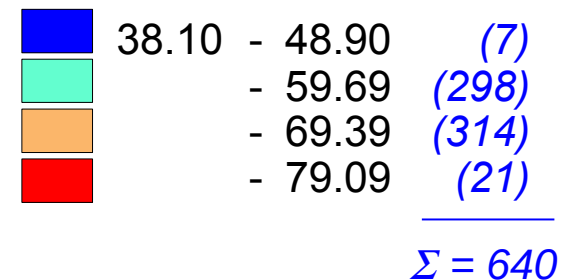
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

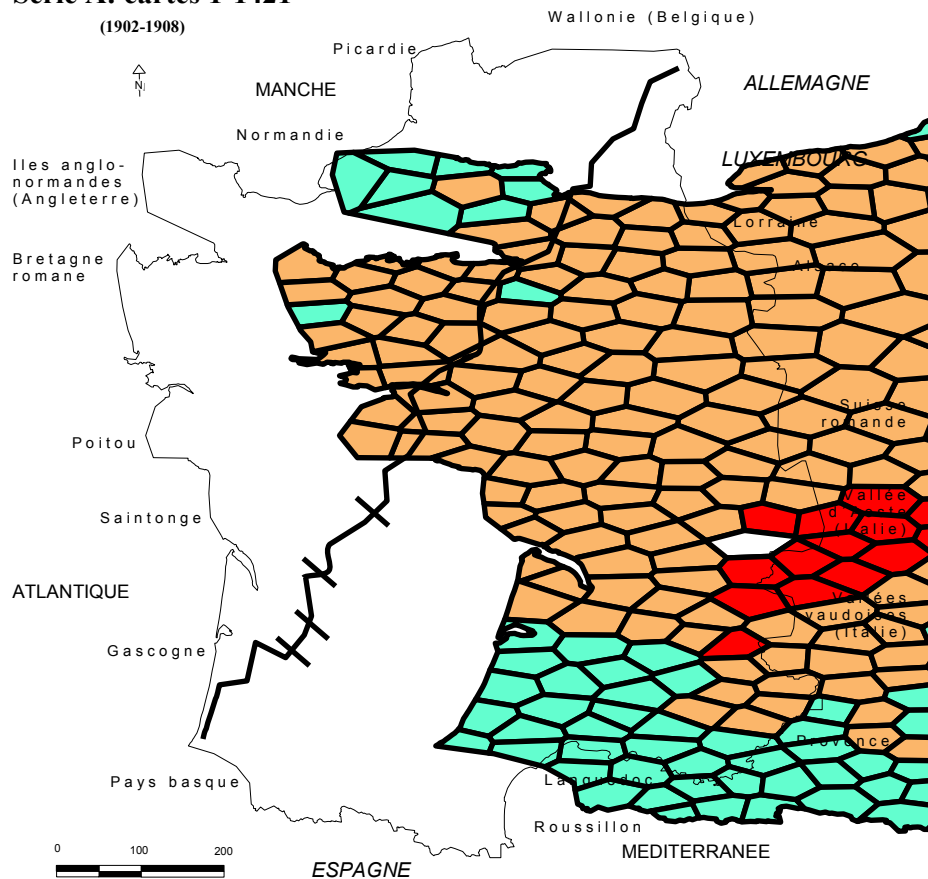


Point de repère: P. 611, La Tour-Blanche

Analyse iconique

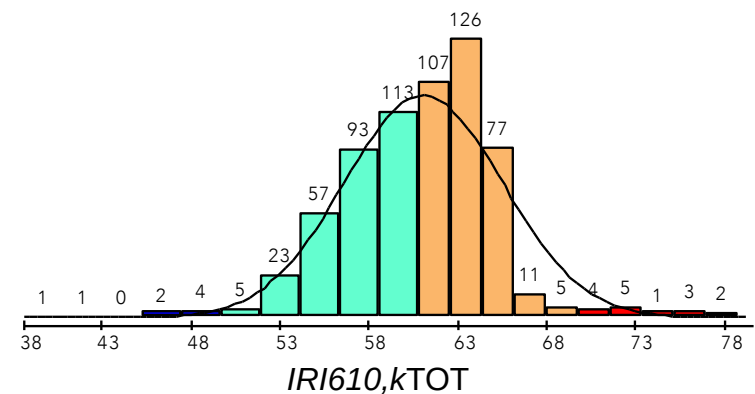
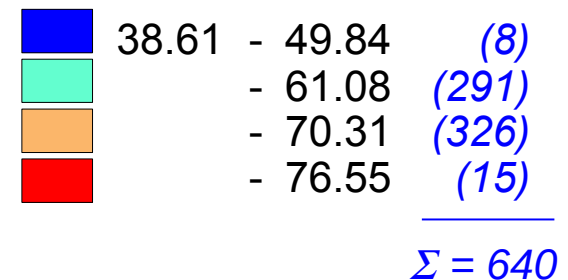
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

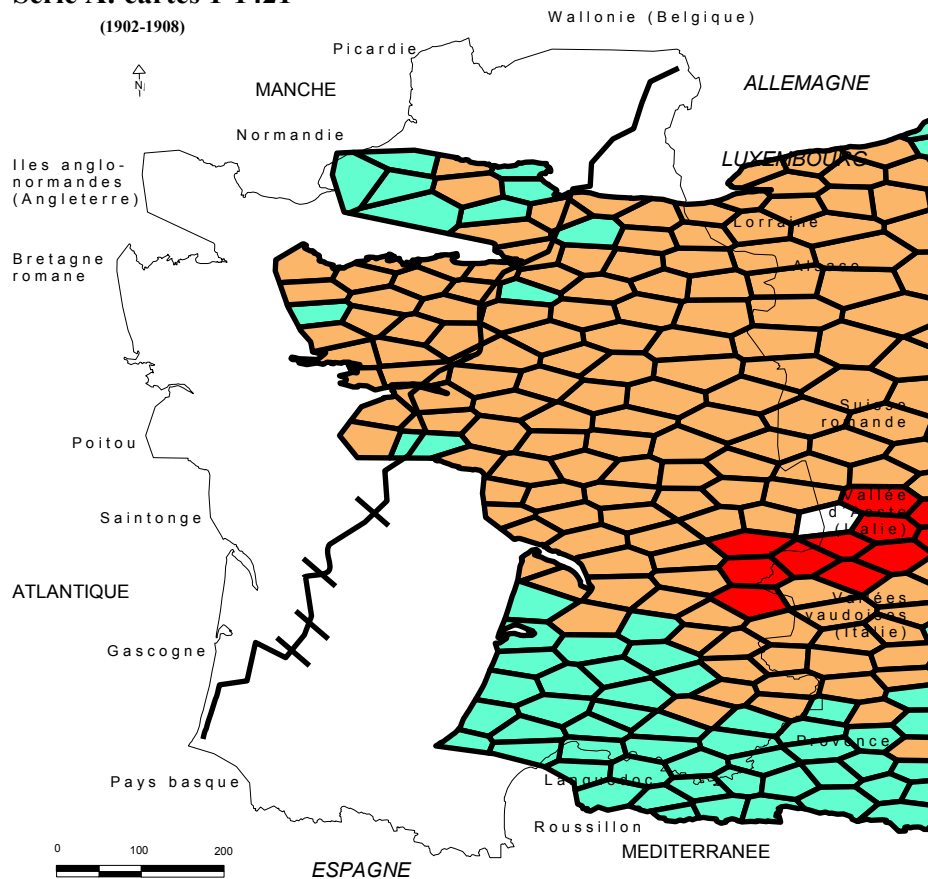


Point de repère: P. 610, Chazelles

Analyse iconique

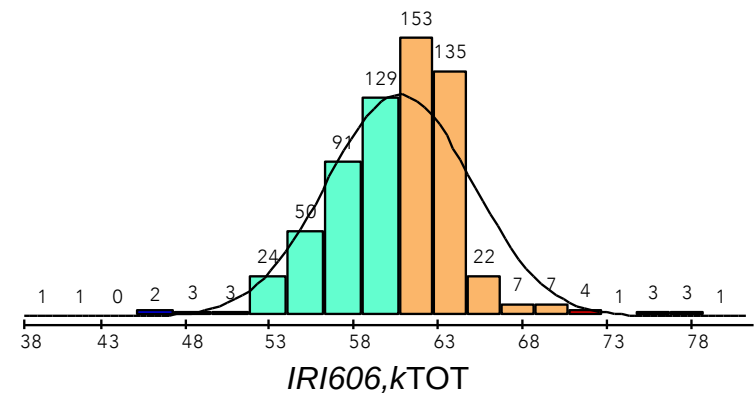
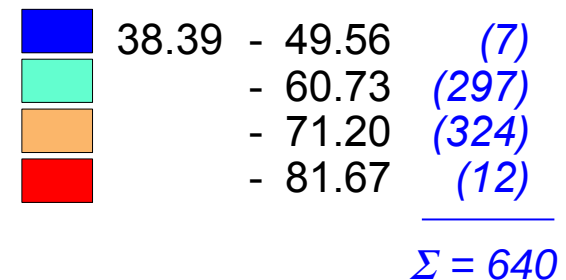
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

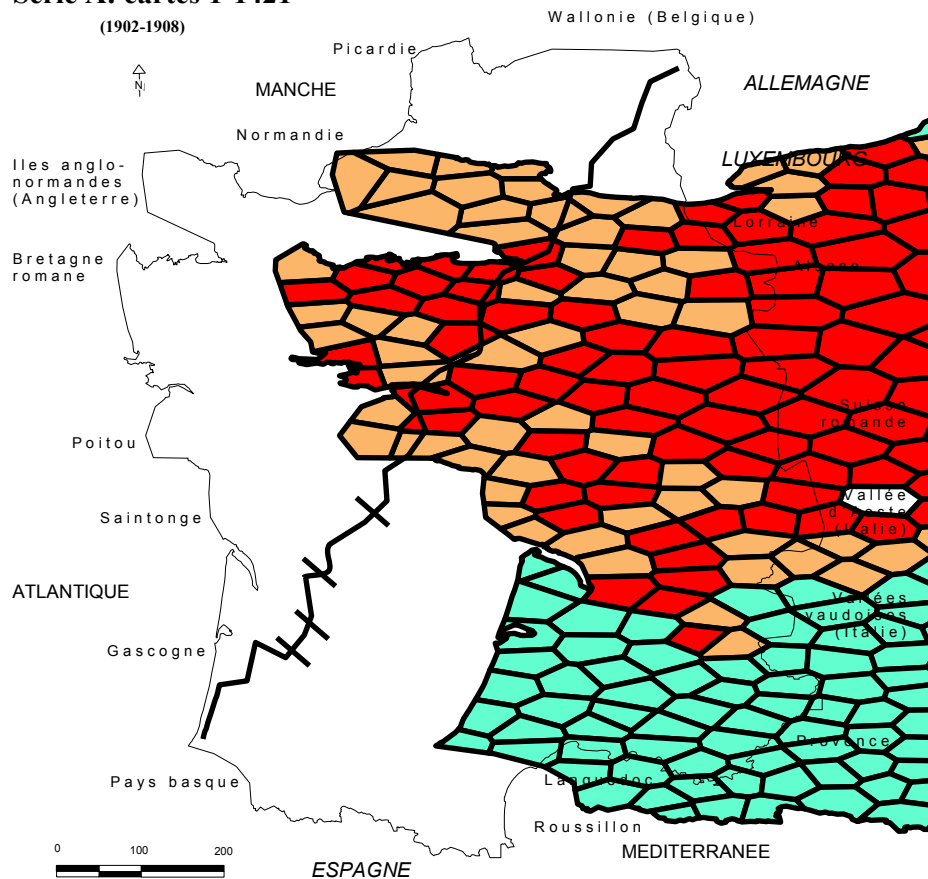


Point de repère: P. 606, Saint-Junien

Analyse iconique

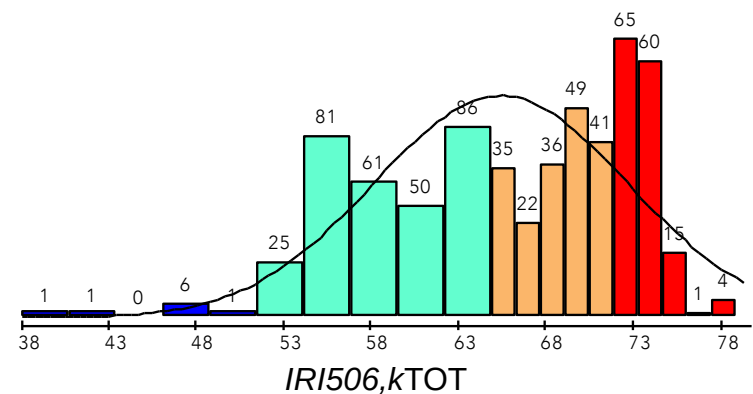
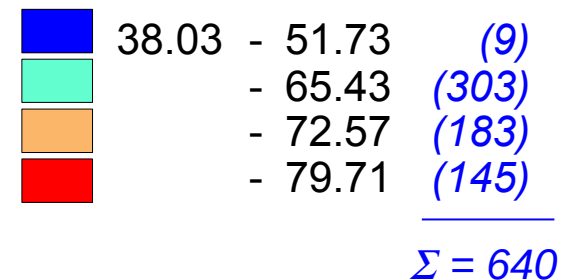
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

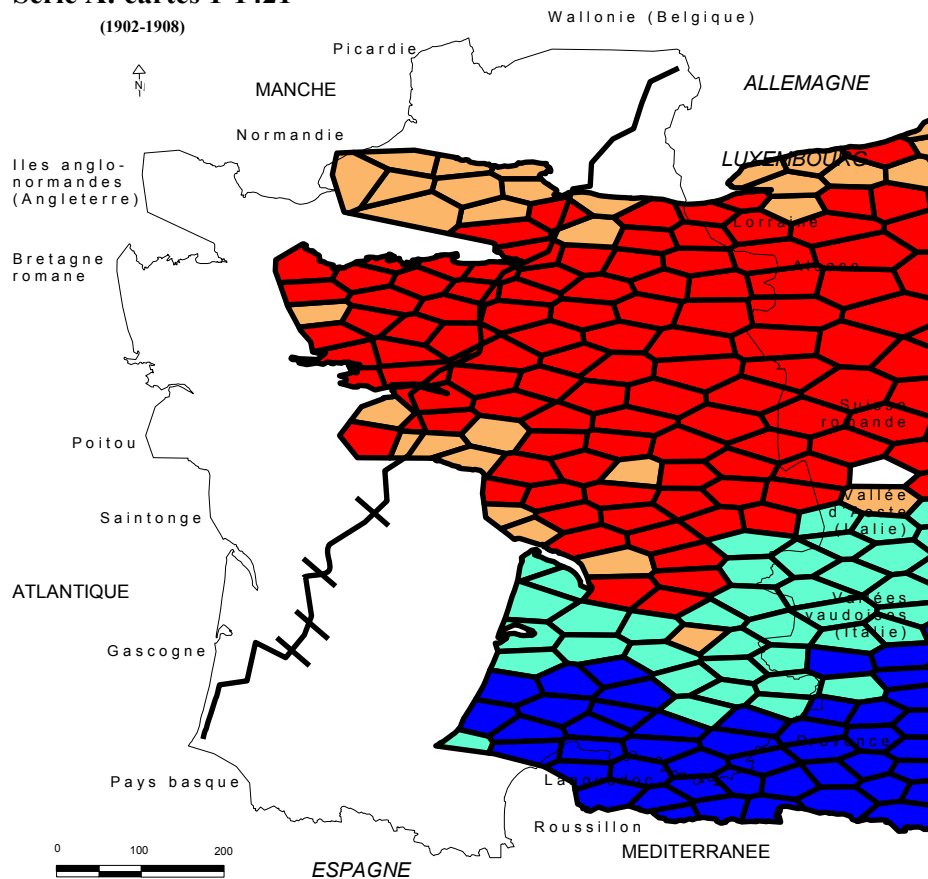


Point de repère: P. 506, Château-Ponsac

Analyse iconique

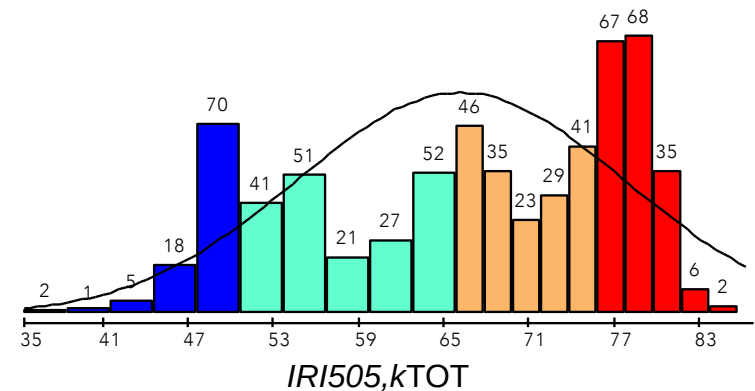
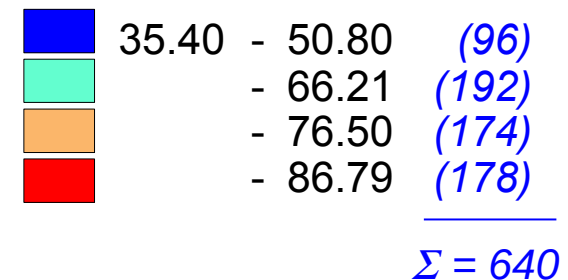
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

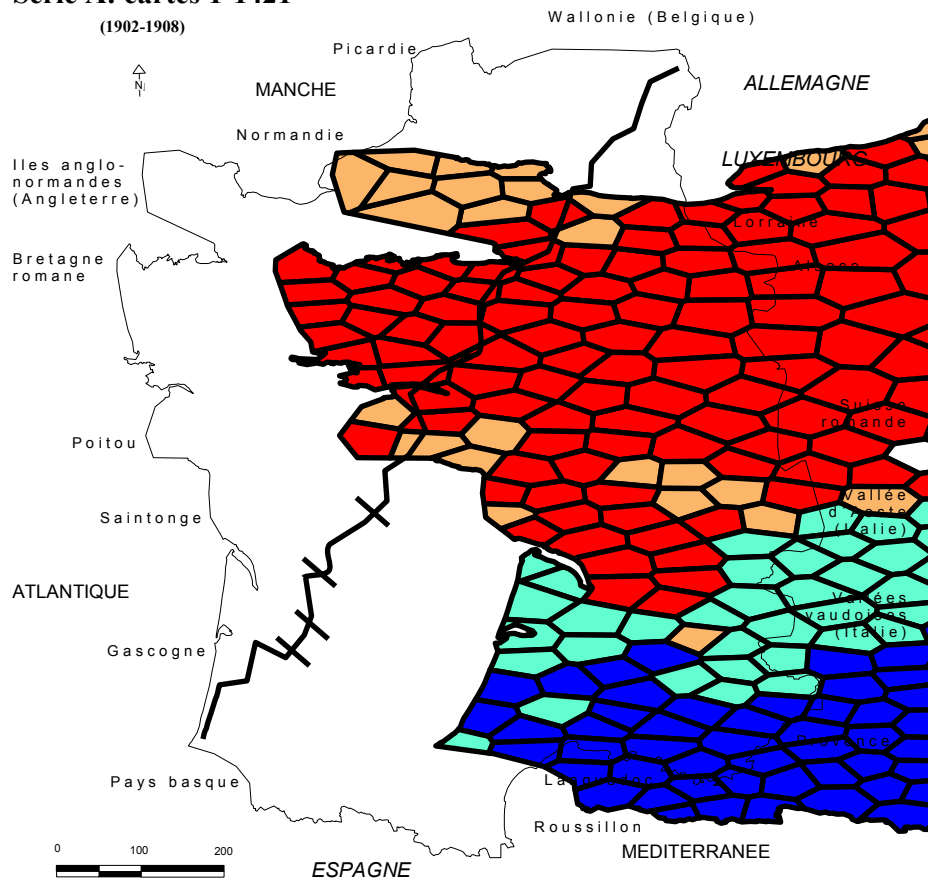


Point de repère: P. 505, Chaillac

Analyse iconique

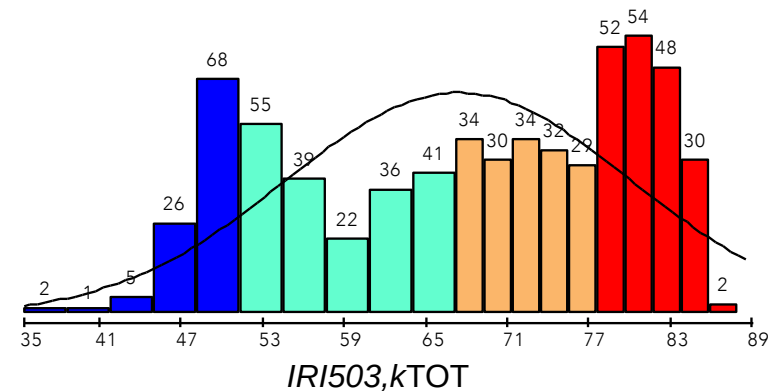
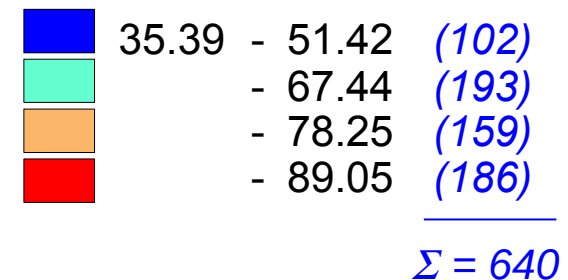
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

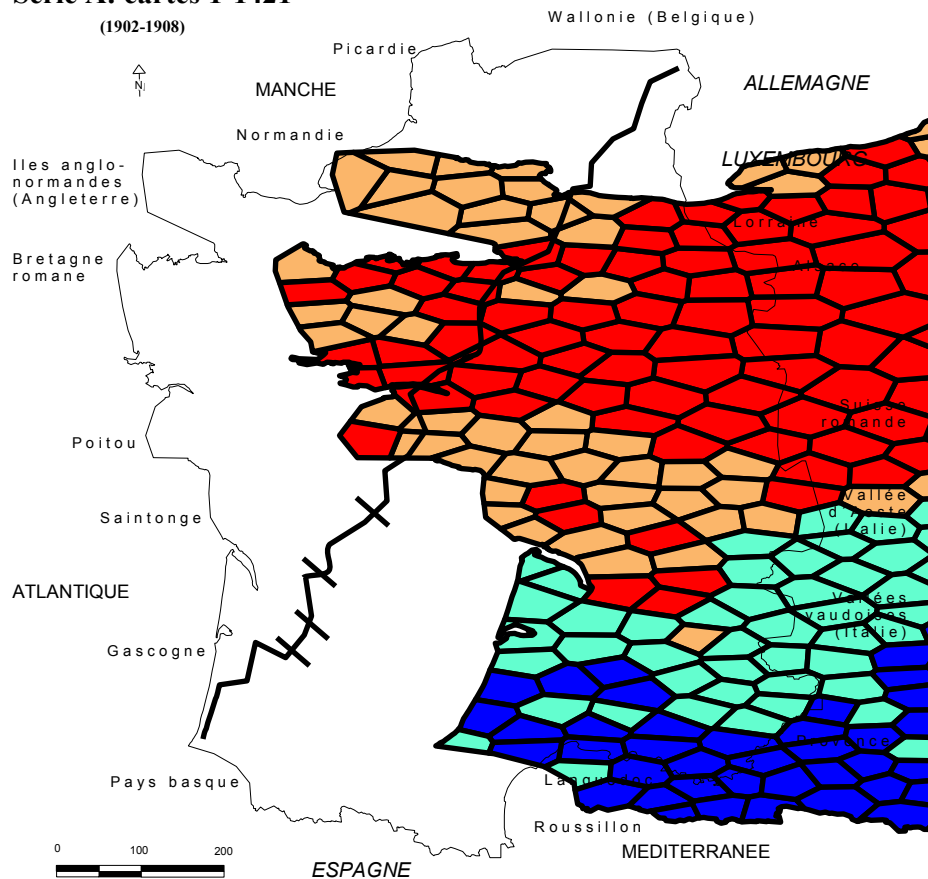


Point de repère: P. 503, Argenton

Analyse iconique

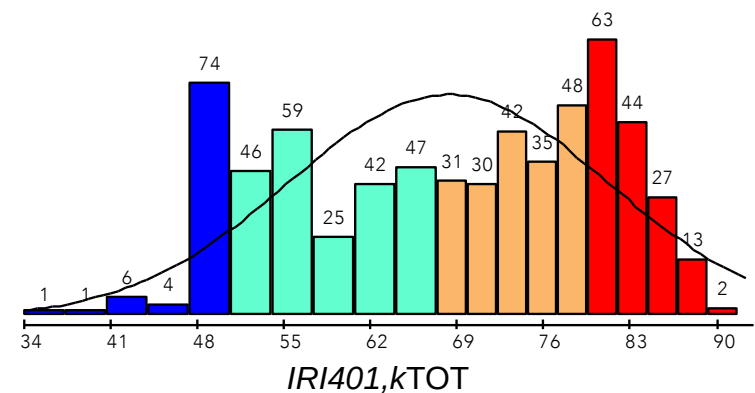
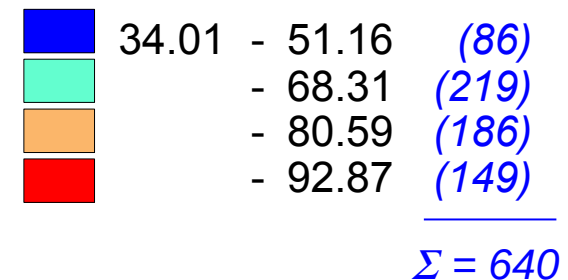
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

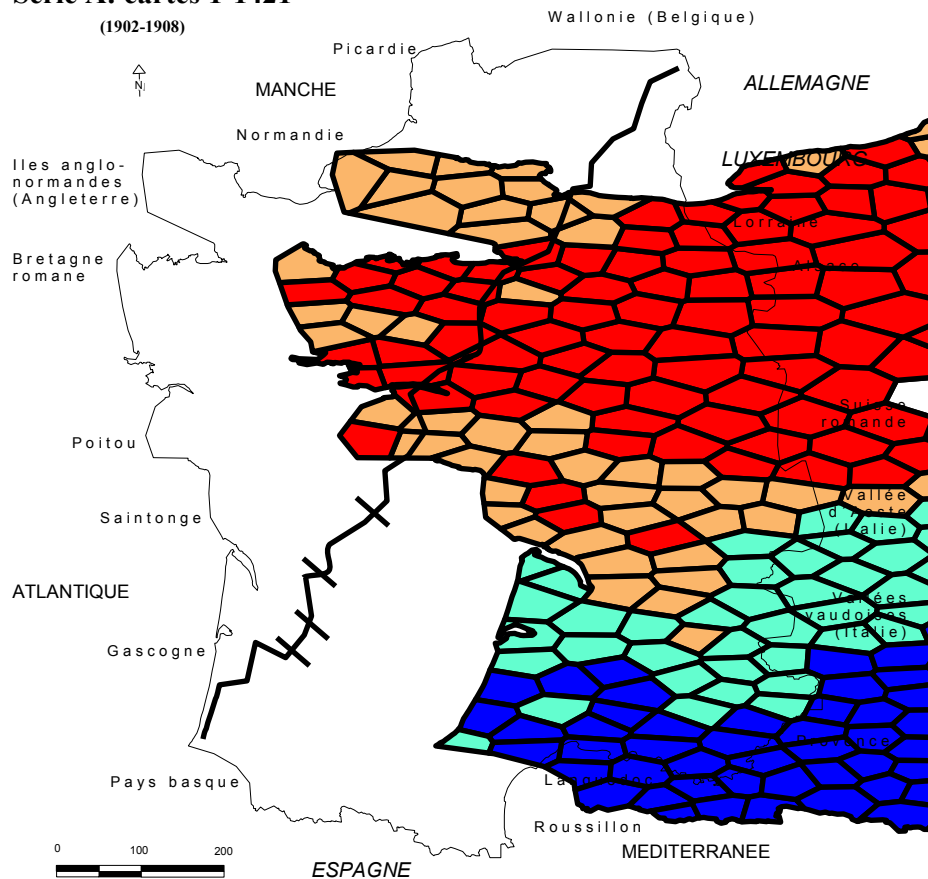


Point de repère: P. 401, Neuvy-Pailloux

Analyse iconique

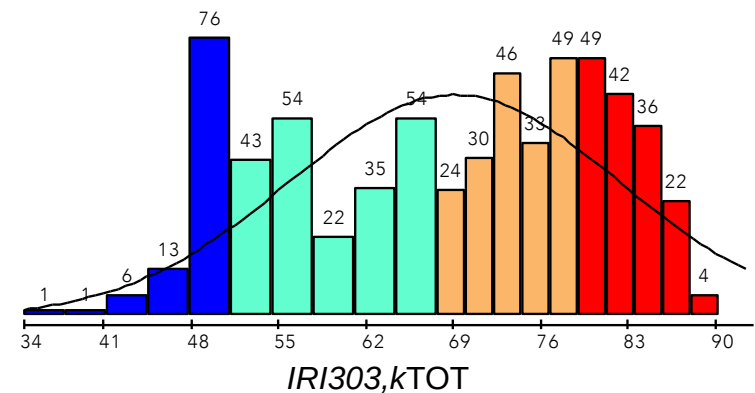
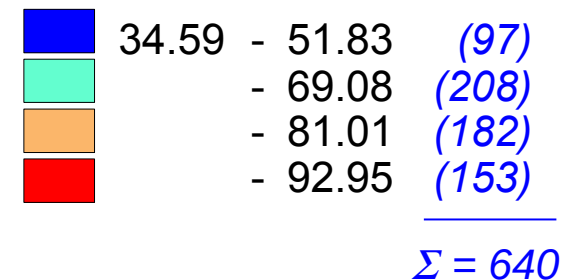
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

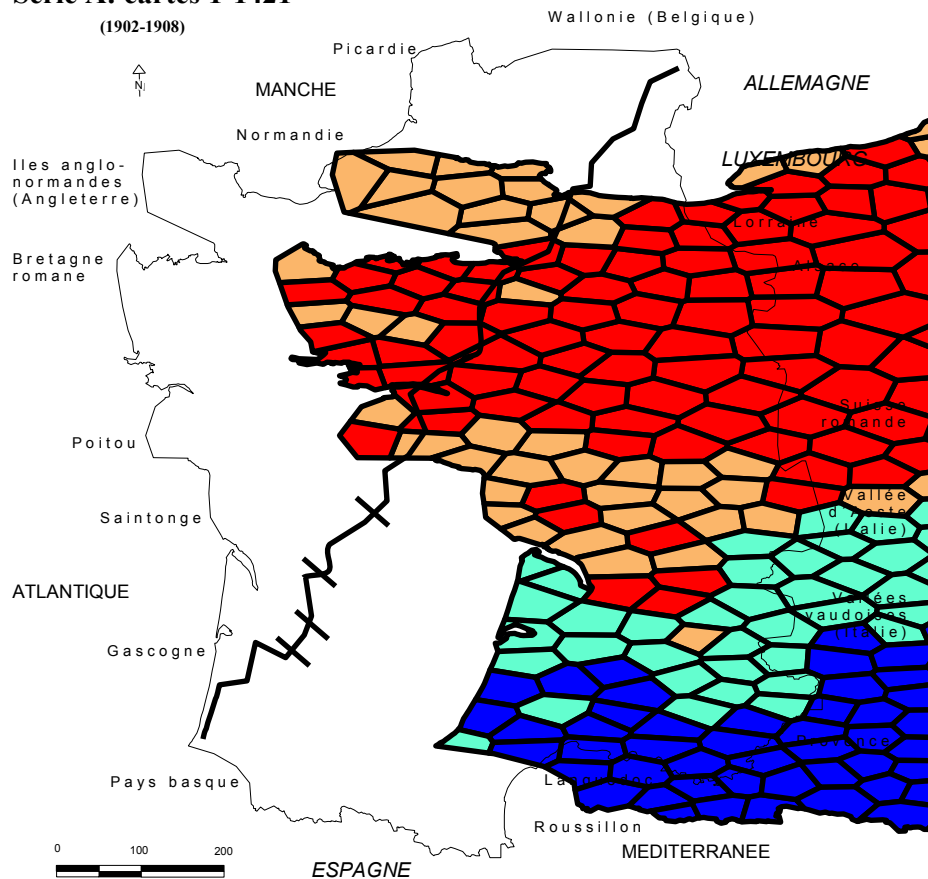


Point de repère: P. 303, La Vernelle

Analyse iconique

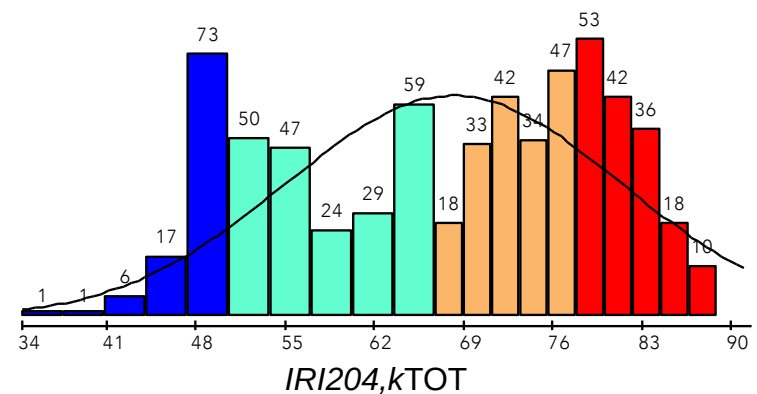
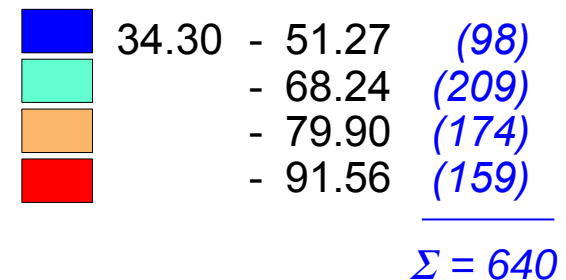
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

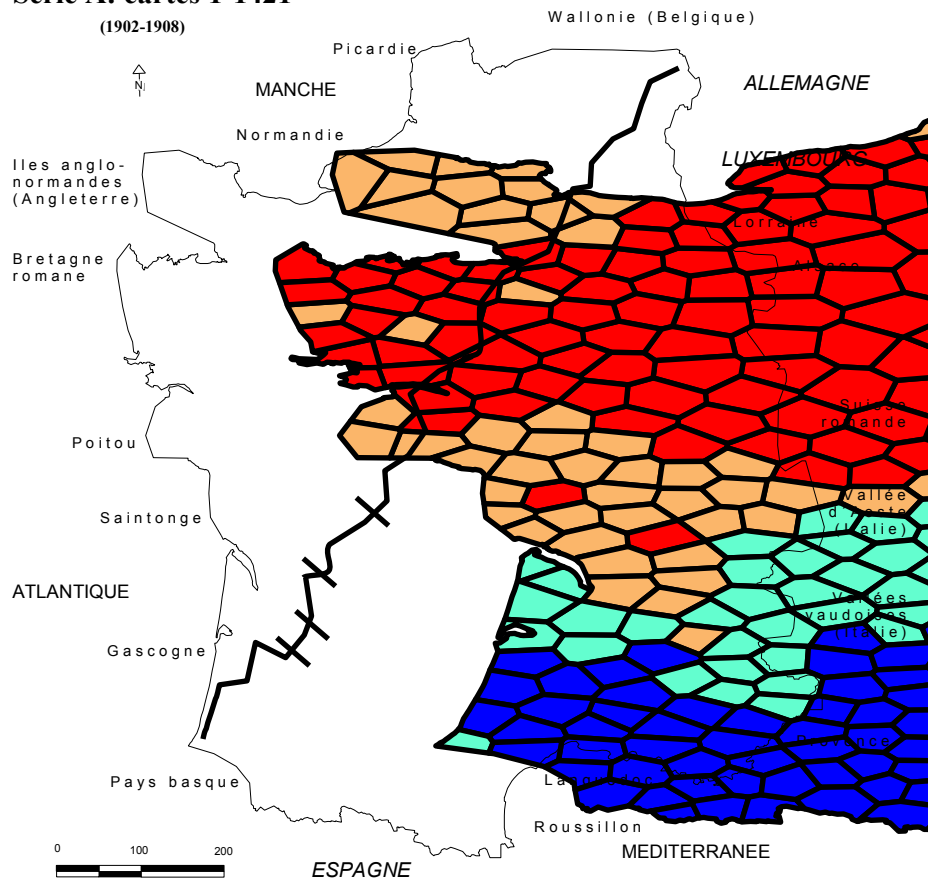


Point de repère: P. 204, Nouan-le-Fuzelier

Analyse iconique

ALF

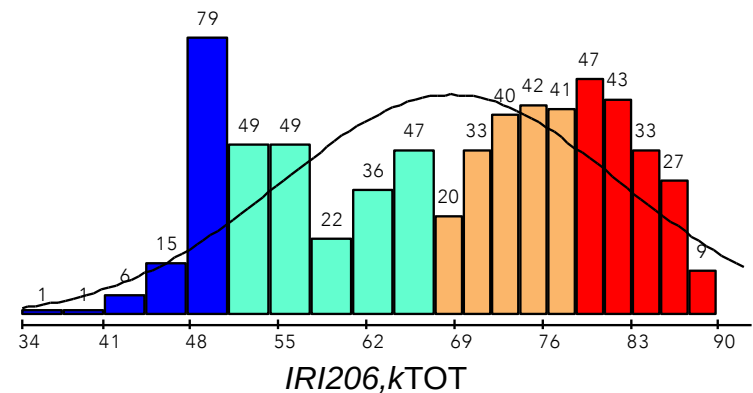
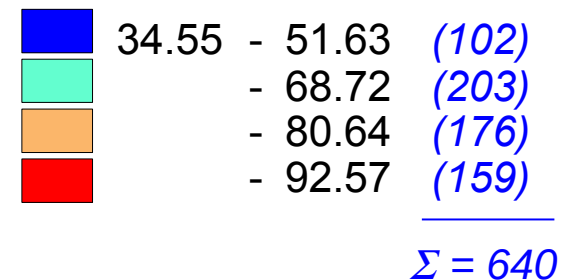
Série A: cartes 1-1421
(1902-1908)



Point de repère: P. 206, Poilly

Analyse numérique

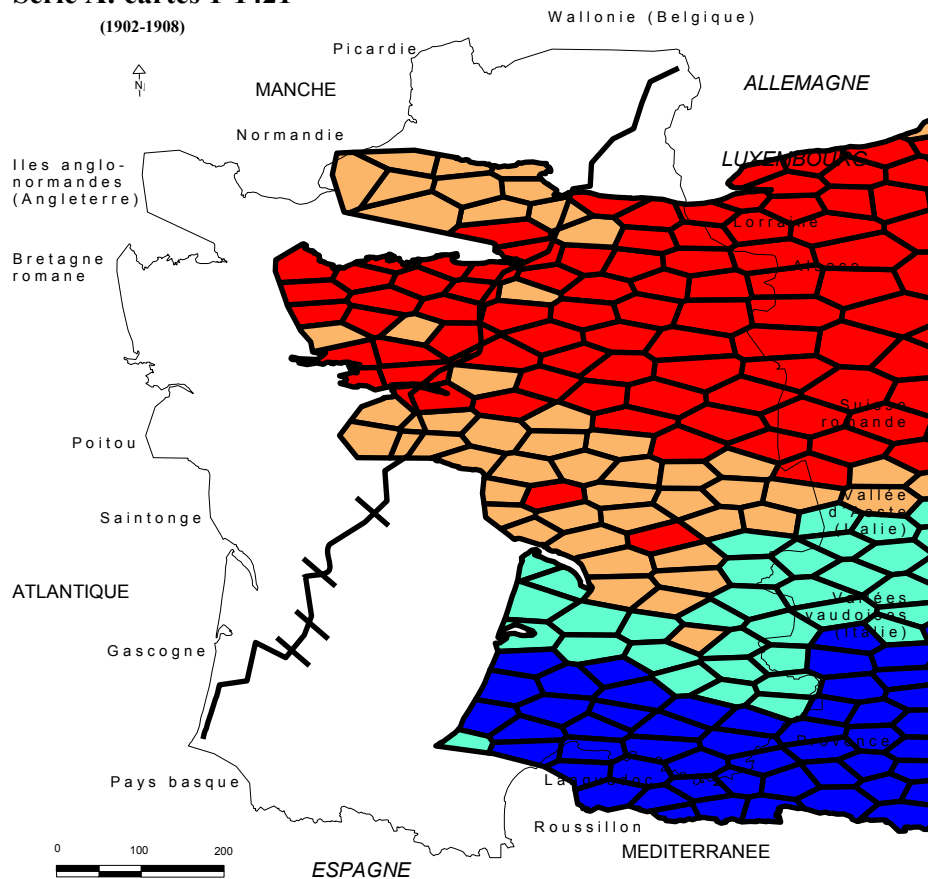
Visualisation
MINMWMAX 4-tuple



Analyse iconique

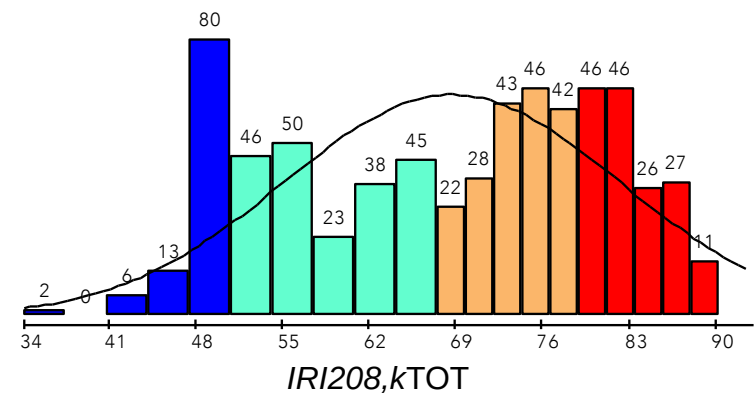
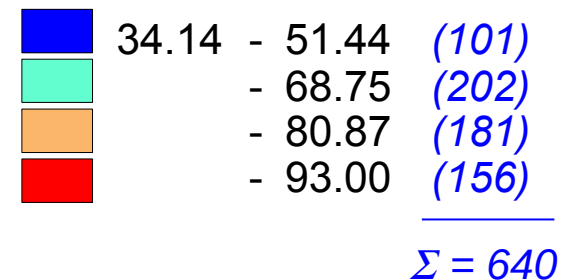
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

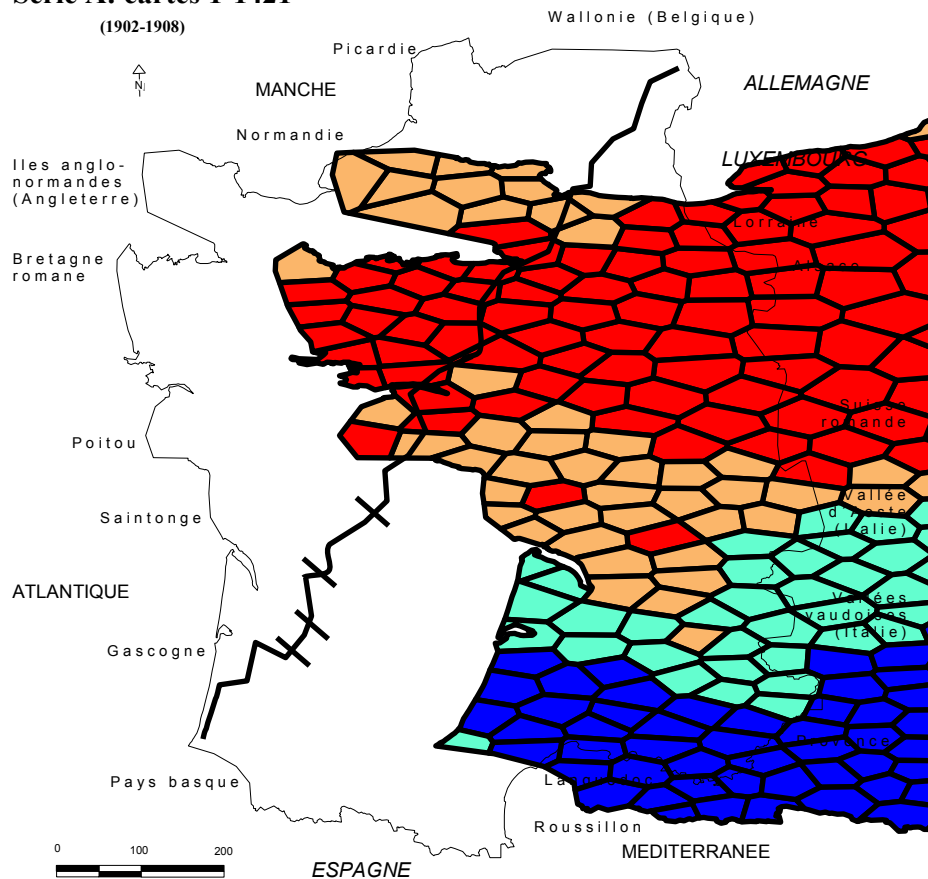


Point de repère: P. 208, Chenou

Analyse iconique

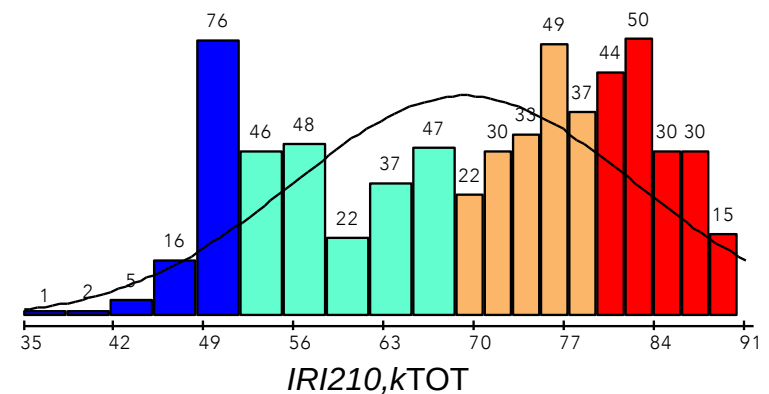
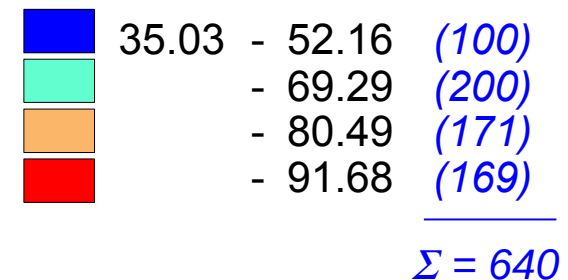
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

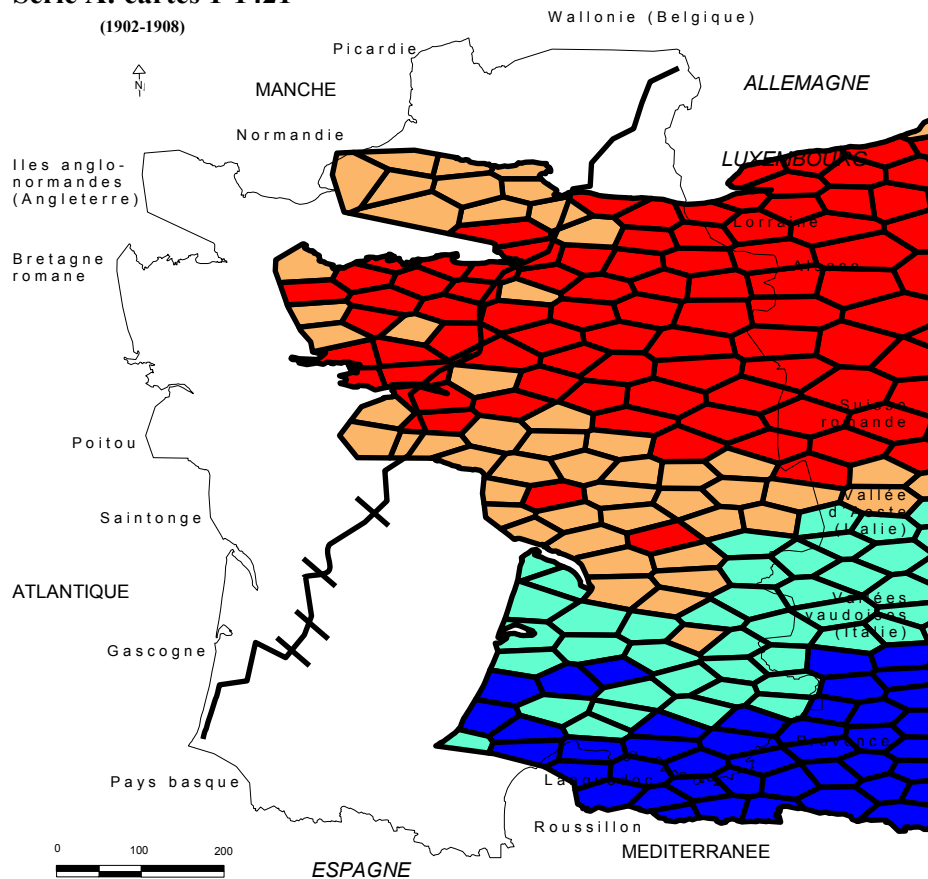


Point de repère: P. 210, Longueville

Analyse iconique

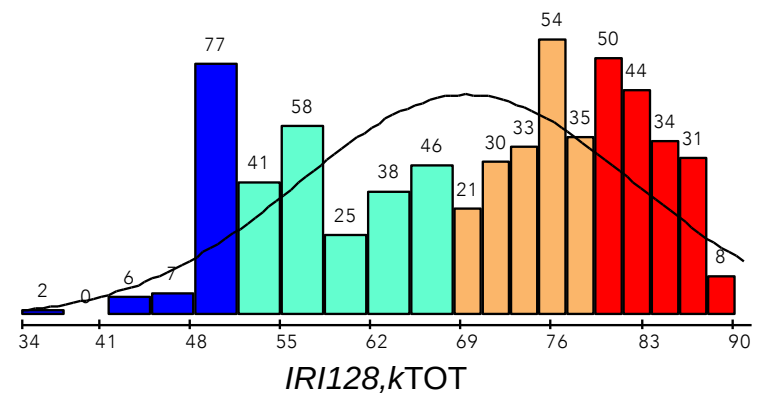
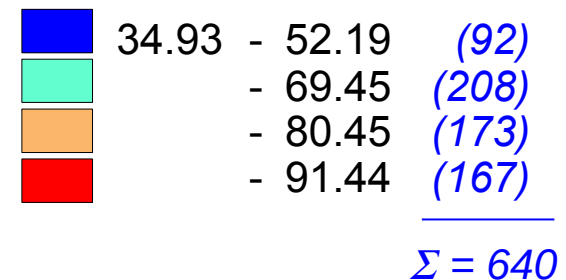
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

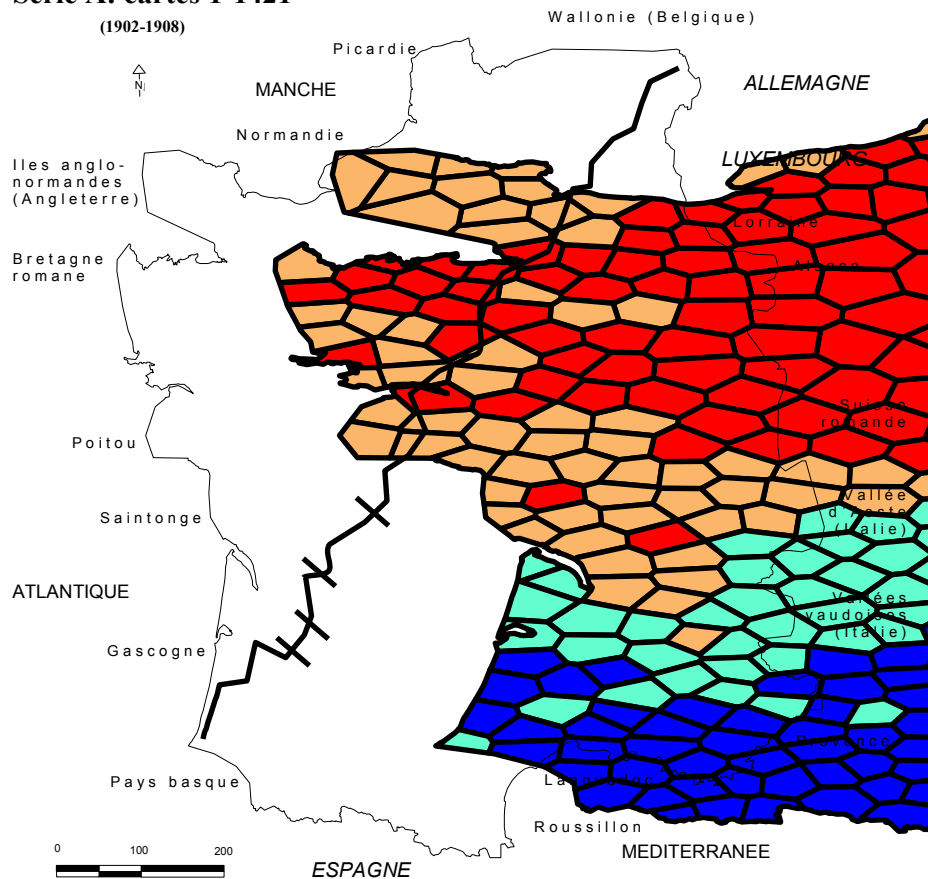


Point de repère: P. 128, Linthes

Analyse iconique

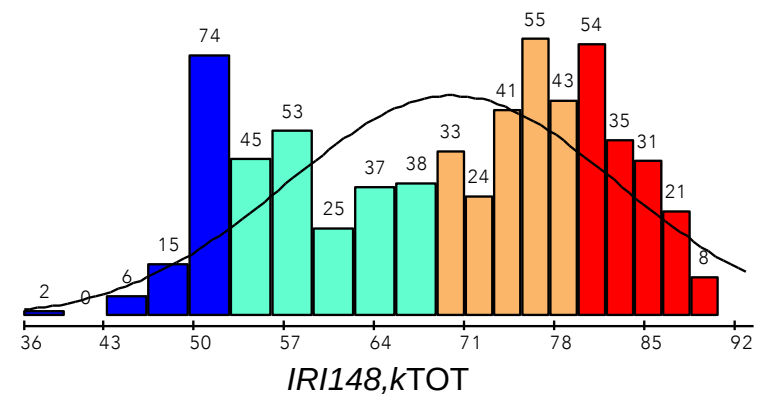
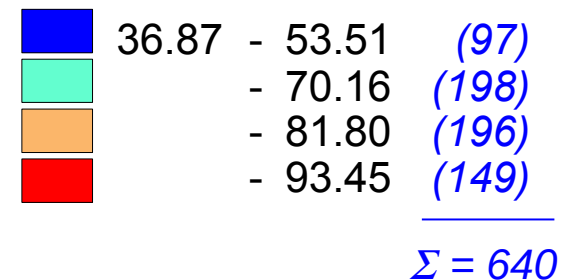
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

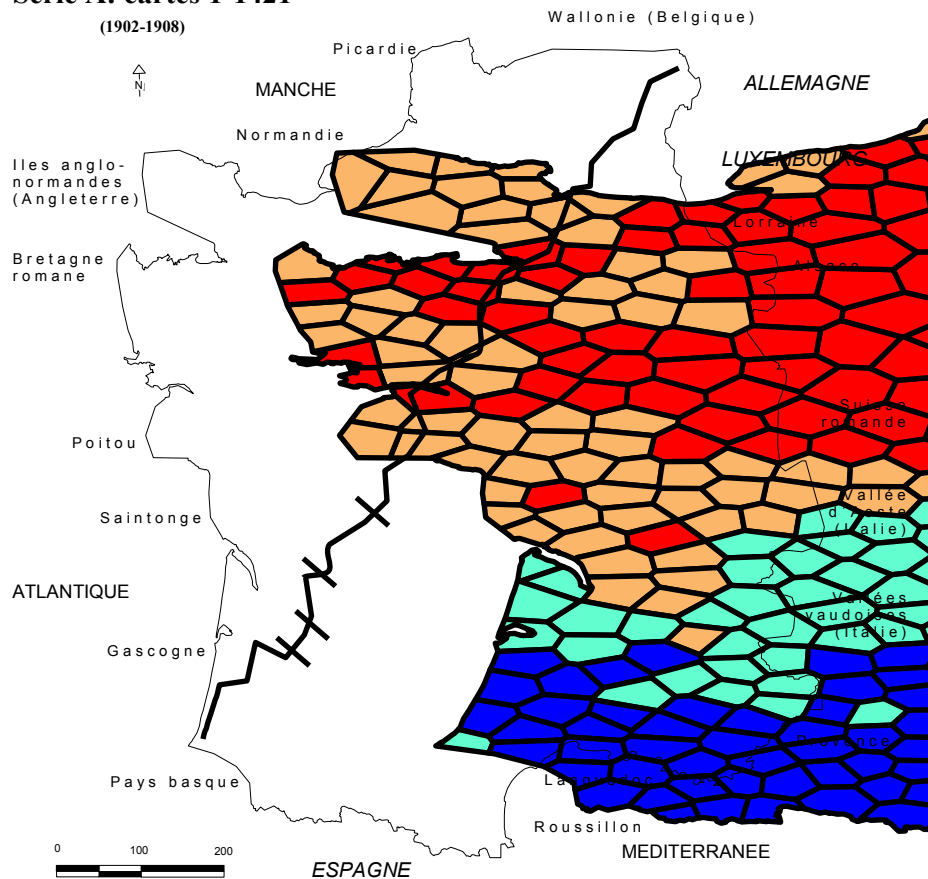


Point de repère: P. 148, Verzenay

Analyse iconique

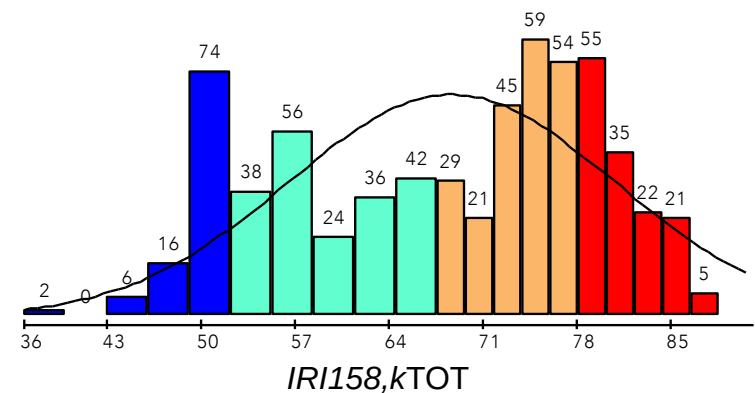
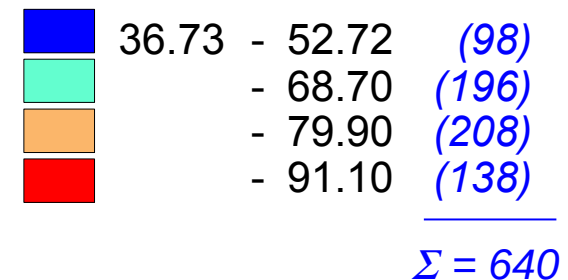
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

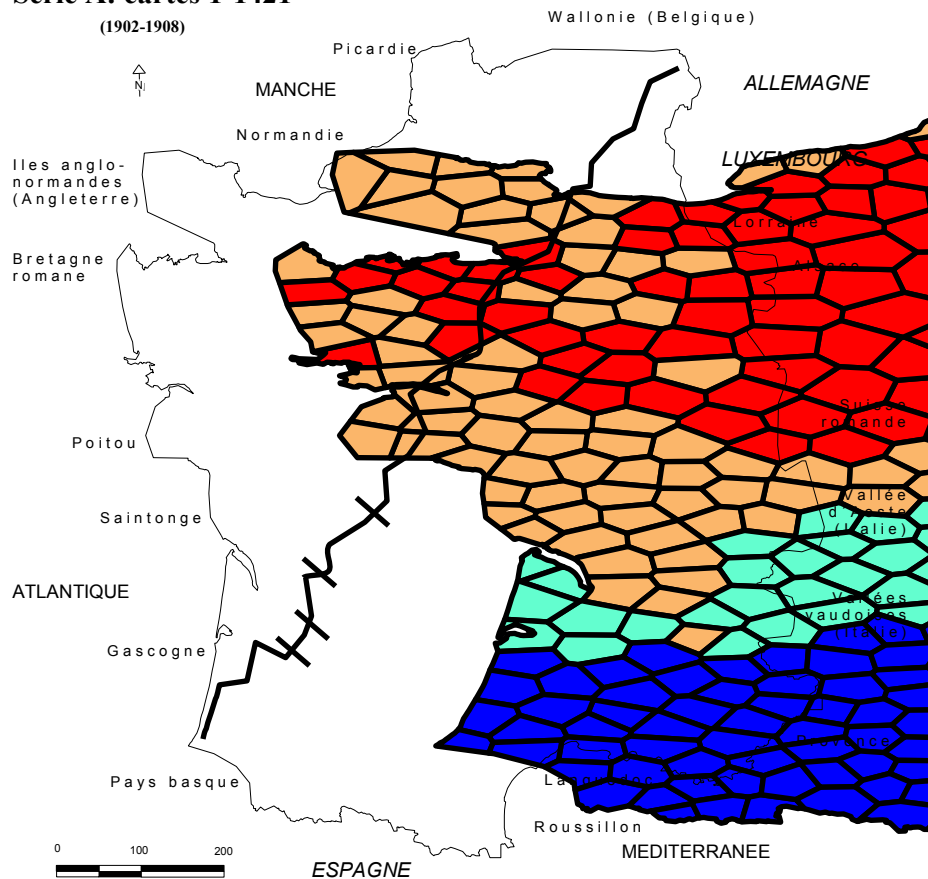


Point de repère: P. 158, Le Châtelet

Analyse iconique

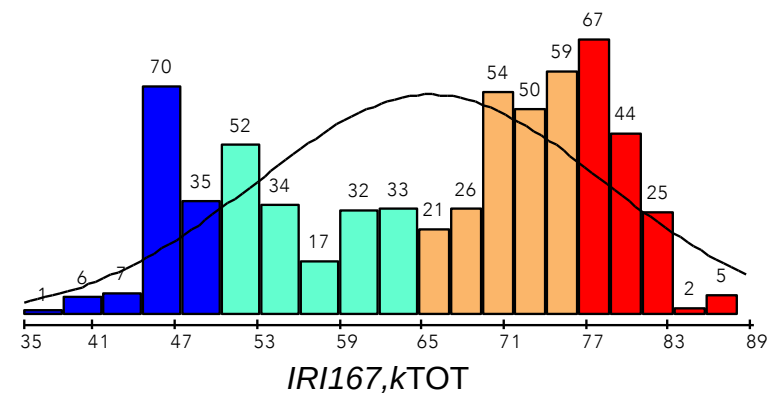
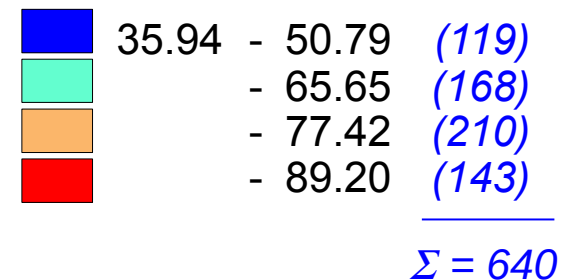
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

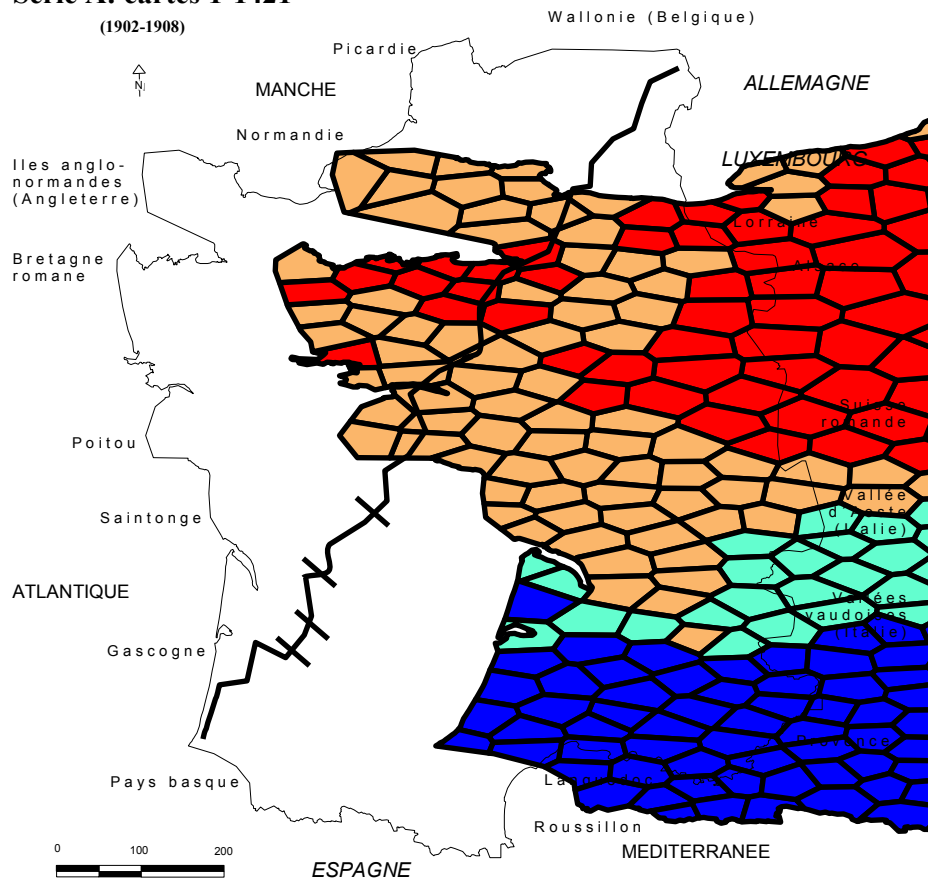


Point de repère: P. 167, Charbogne

Analyse iconique

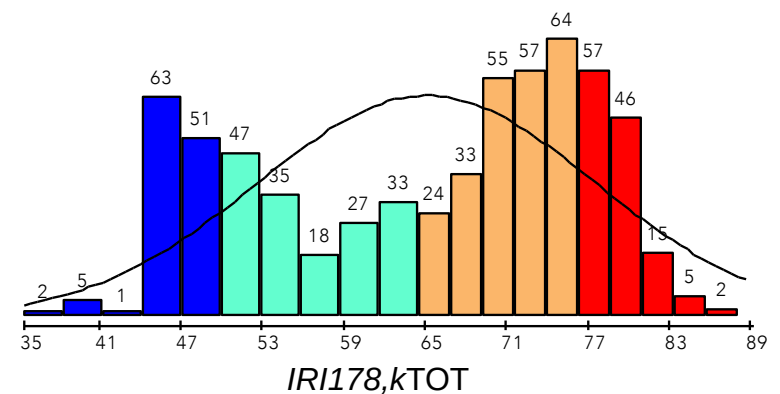
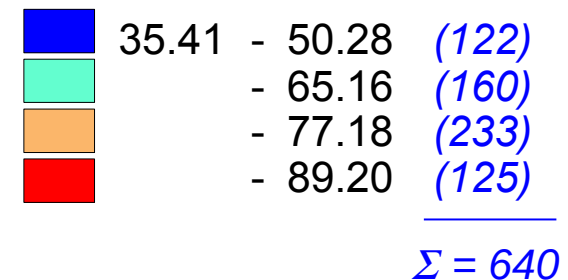
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

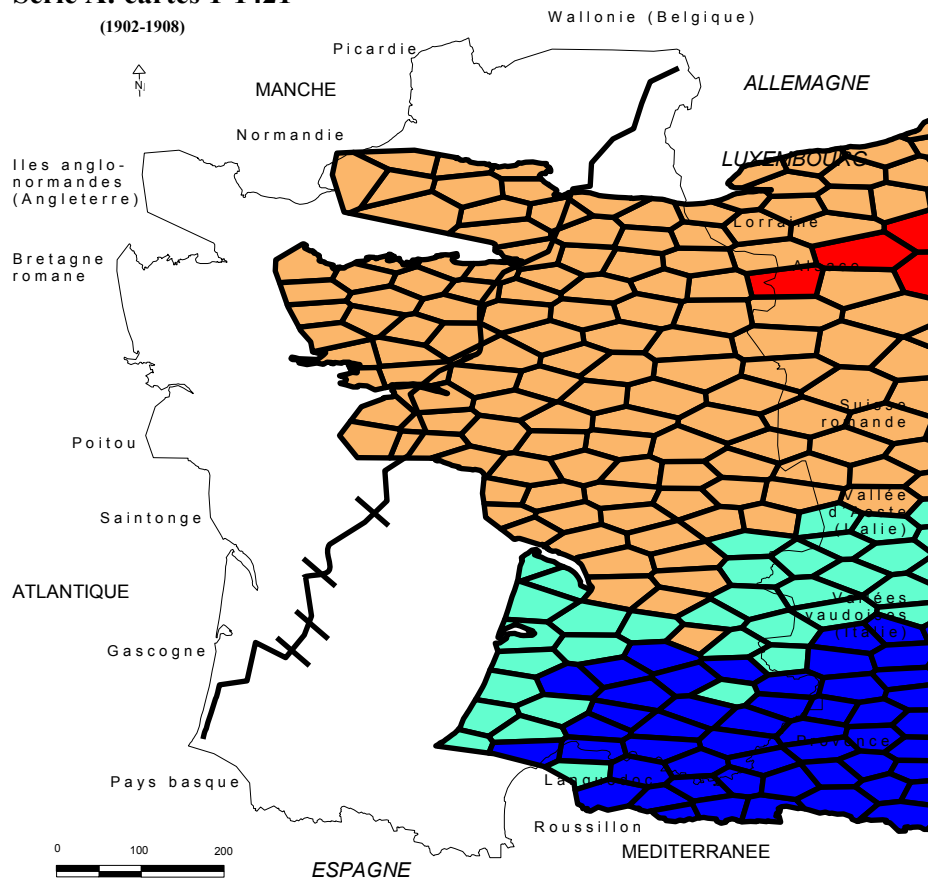


Point de repère: P. 178, Sormonne

Analyse iconique

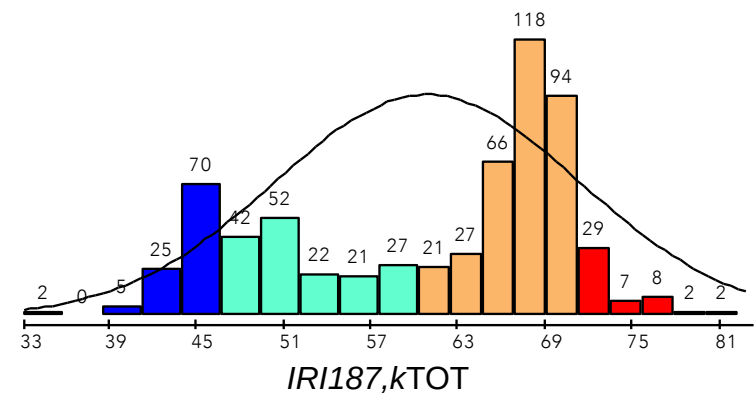
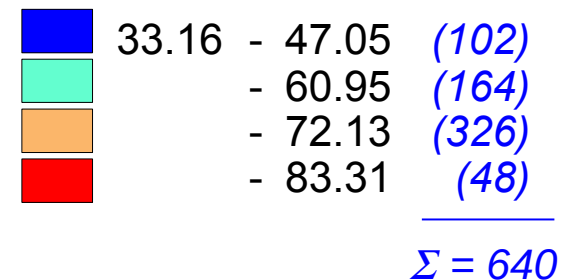
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

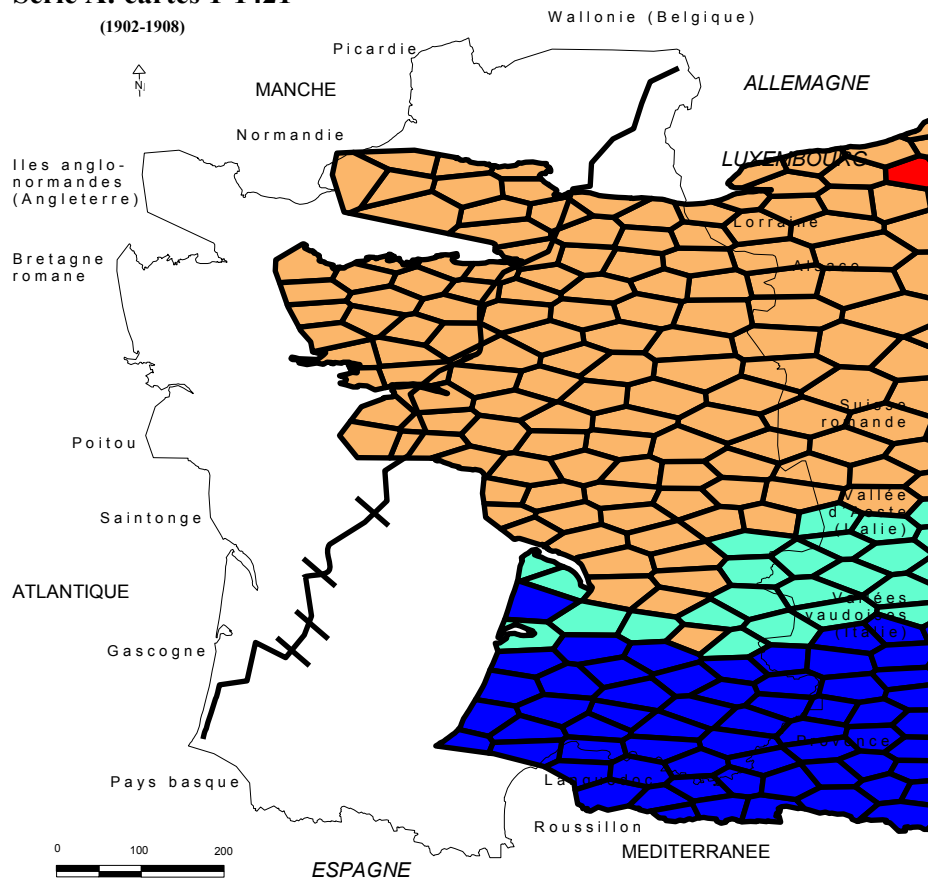


Point de repère: P. 187, Gedinne

Analyse iconique

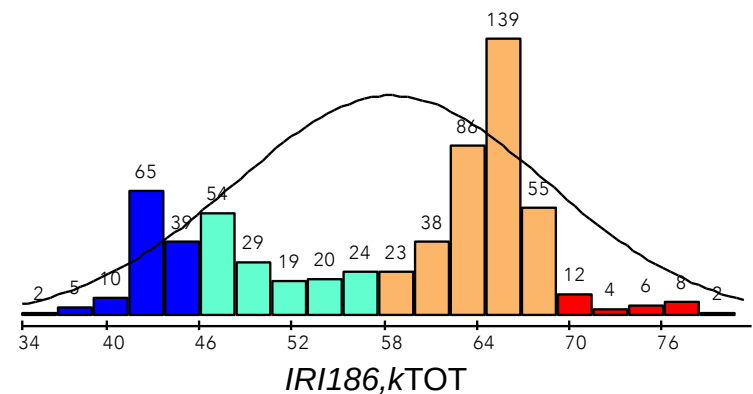
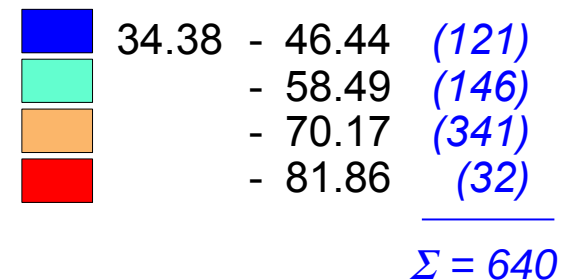
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

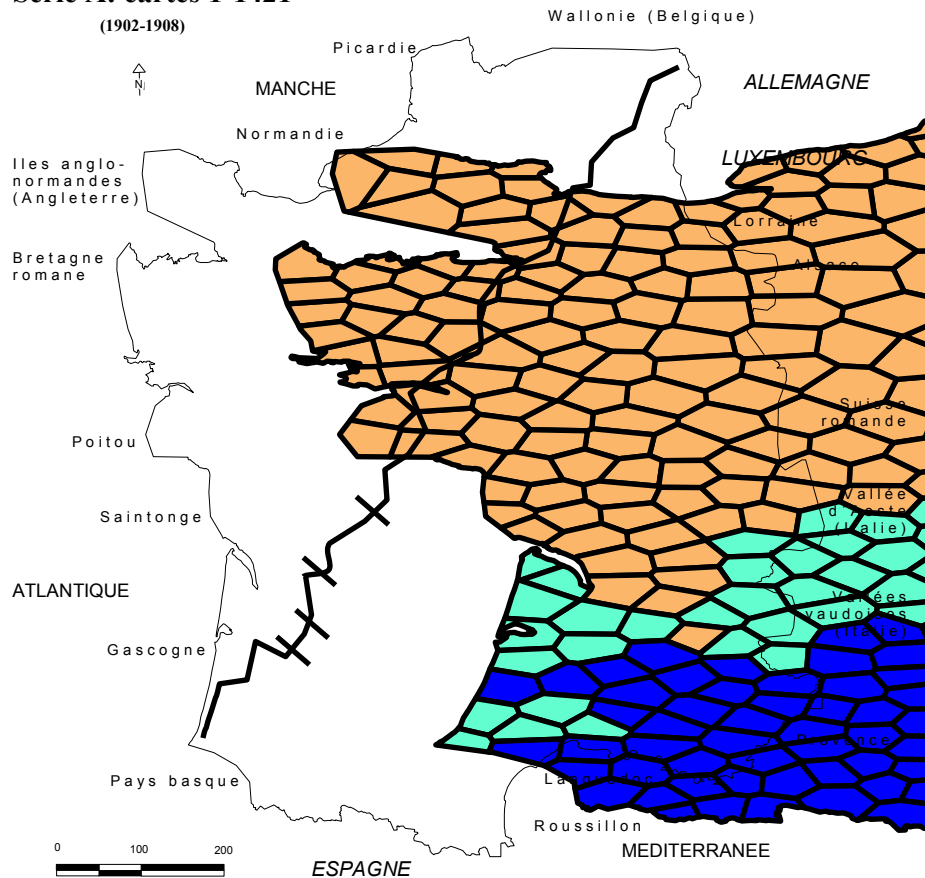


Point de repère: P. 186, Grupont

Analyse iconique

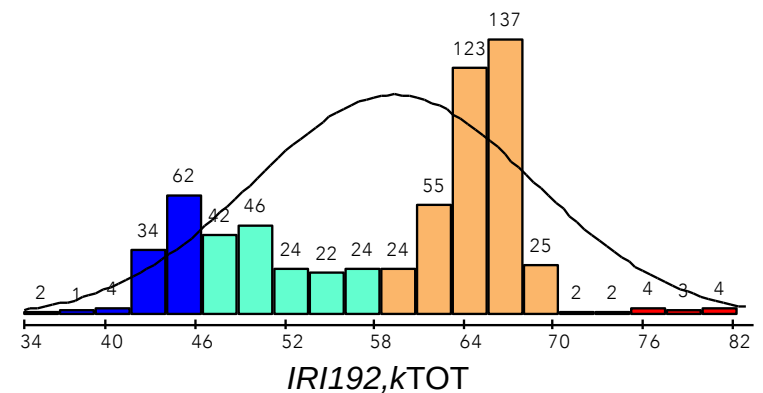
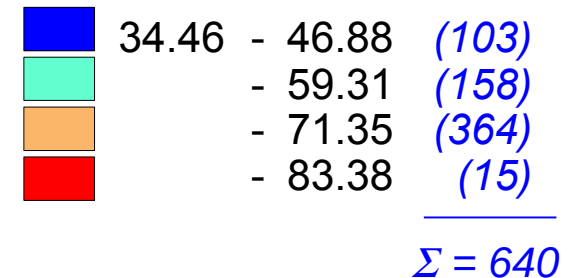
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

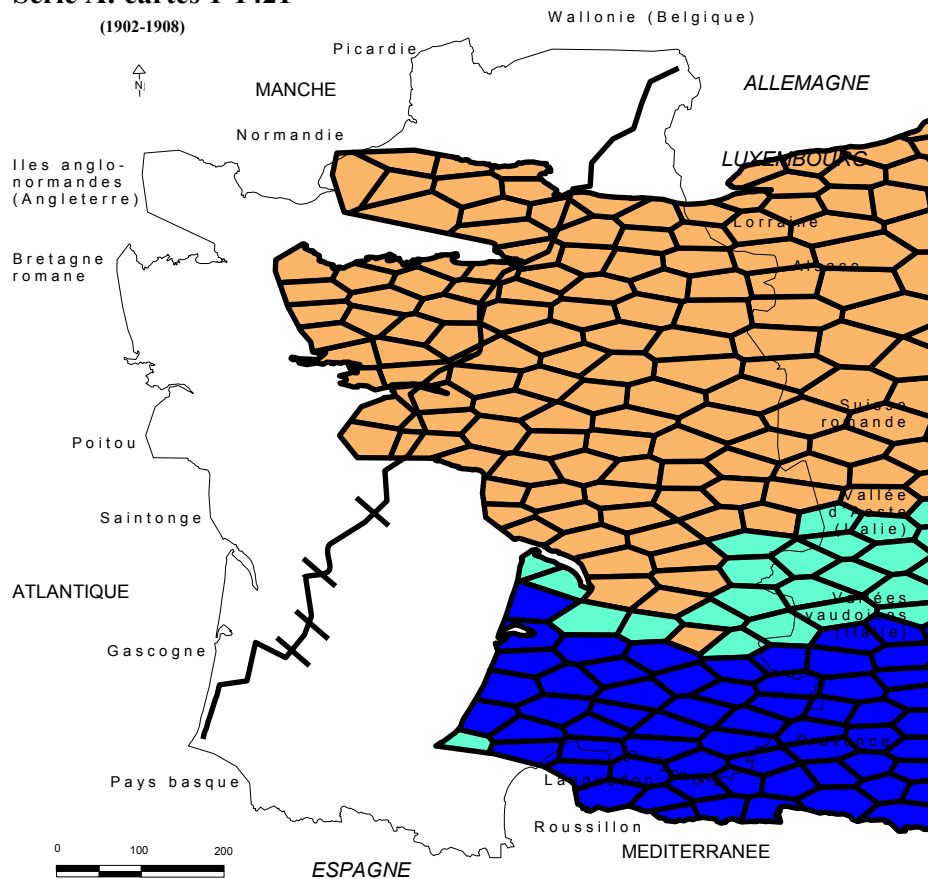


Point de repère: P. 192, Bomal-lez-Derbuy

Analyse iconique

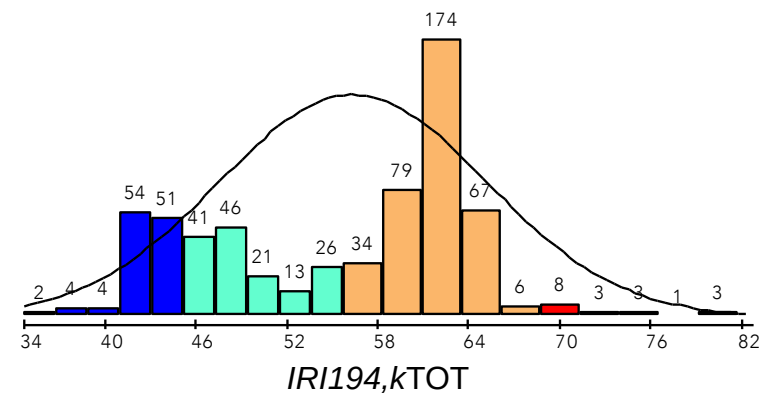
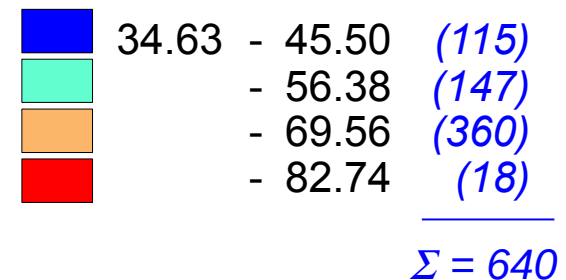
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

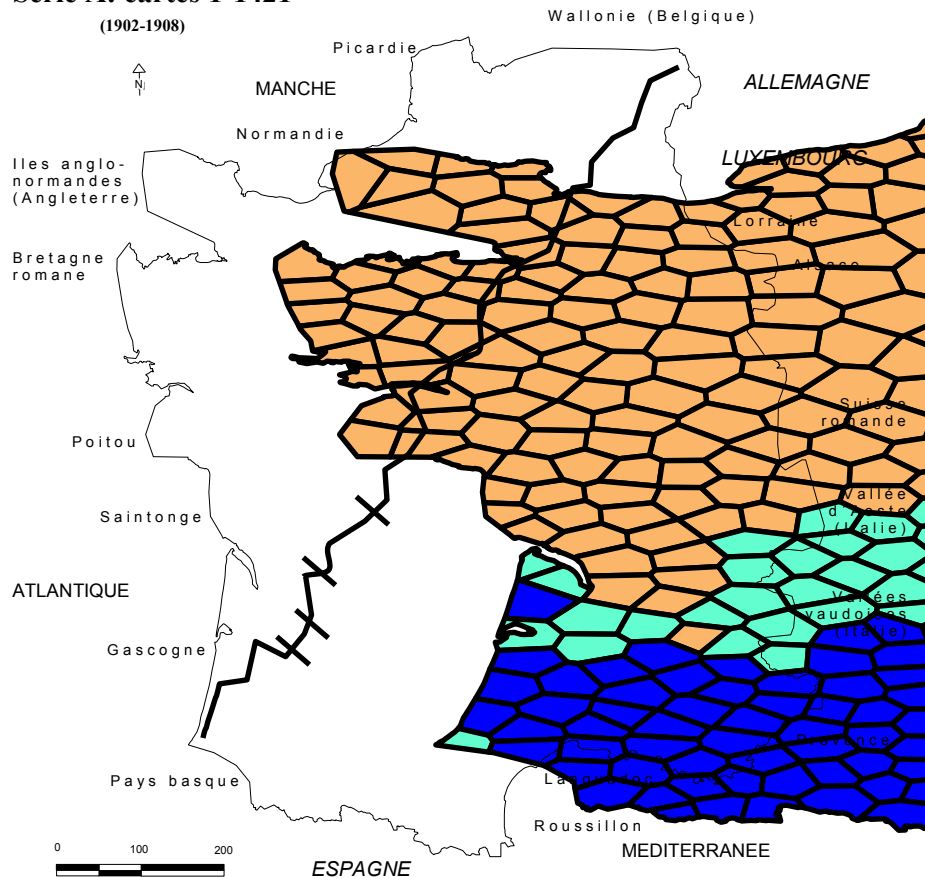


Point de repère: P. 194, Beaufays

Analyse iconique

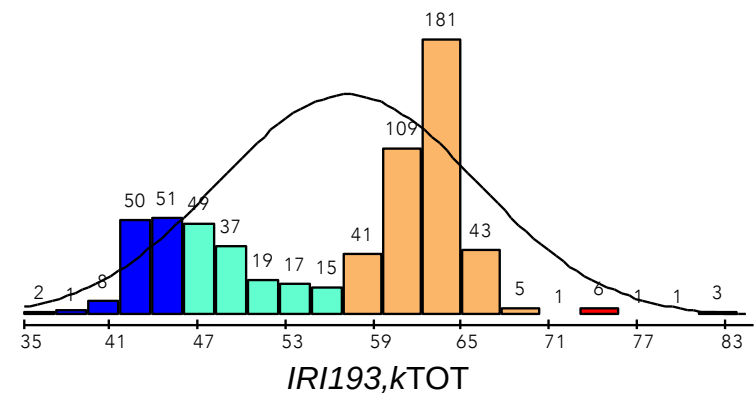
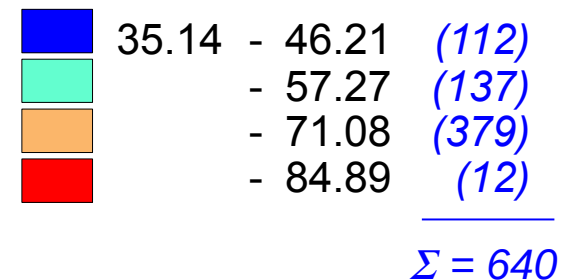
ALF

Série A: cartes 1-1421
(1902-1908)



Analyse numérique

Visualisation
MINMWMAX 4-tuple

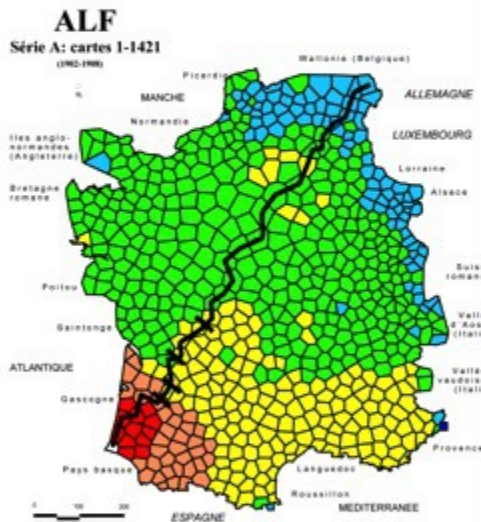


Point de repère: P. 193, Dolhain

Point de départ et point d'arrivée d'un parcours d'épreuve typo-diagnostique entre la Gascogne et la Wallonie

Profils choroplèthes à six classes (intervalles)

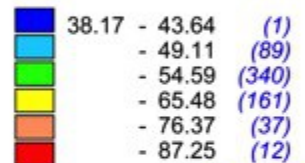
Analyse iconique



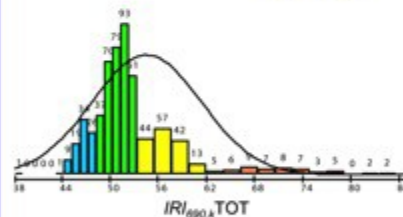
Point de repère: P. 690, Biarritz

Analyse numérique

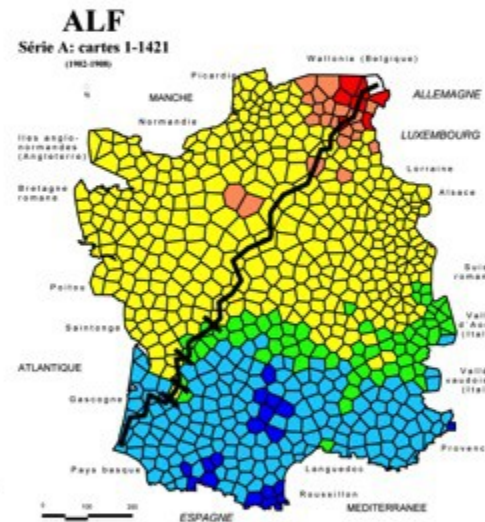
Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



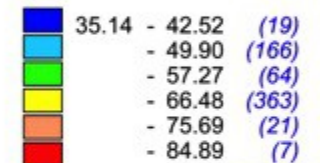
Analyse iconique



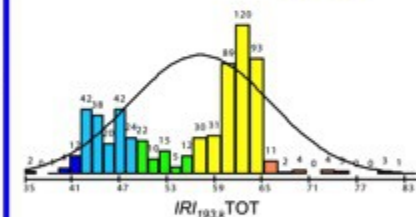
Point de repère: P. 193, Dolhain

Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$

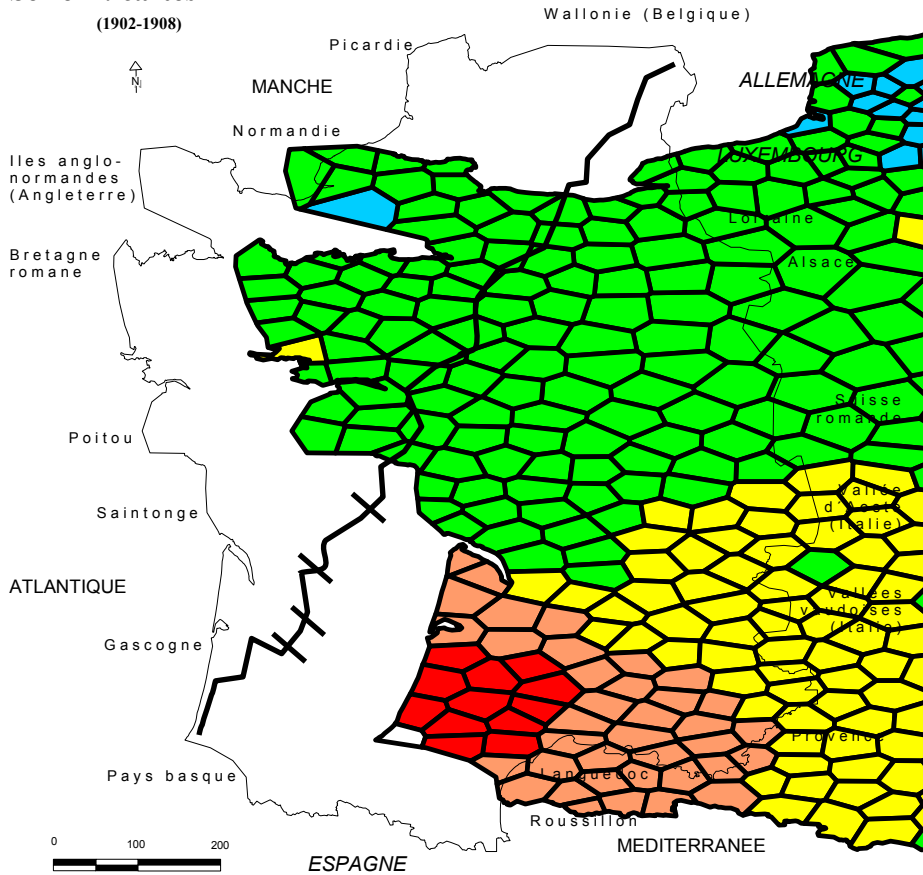


Analyse iconique

ALF

Série A: cartes 1-1421

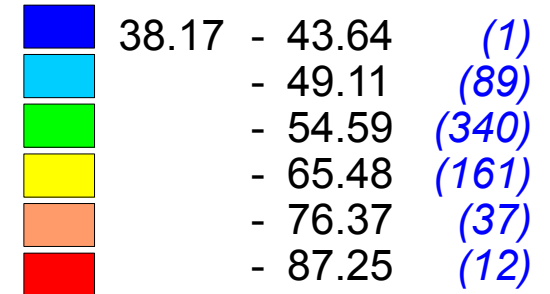
(1902-1908)



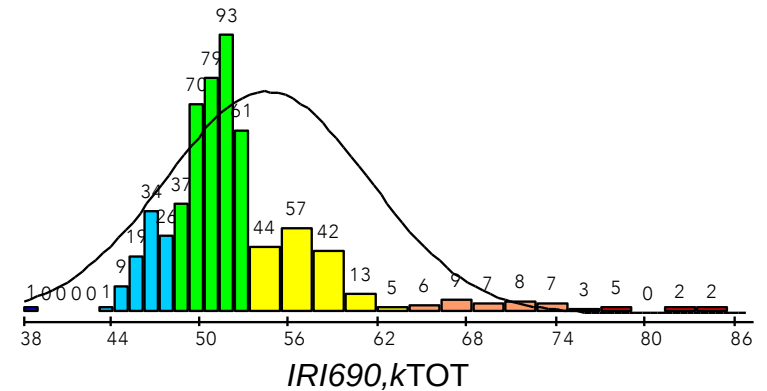
Analyse numérique

Visualisation

MINMWMAX 6-tuple



$$\Sigma = 640$$



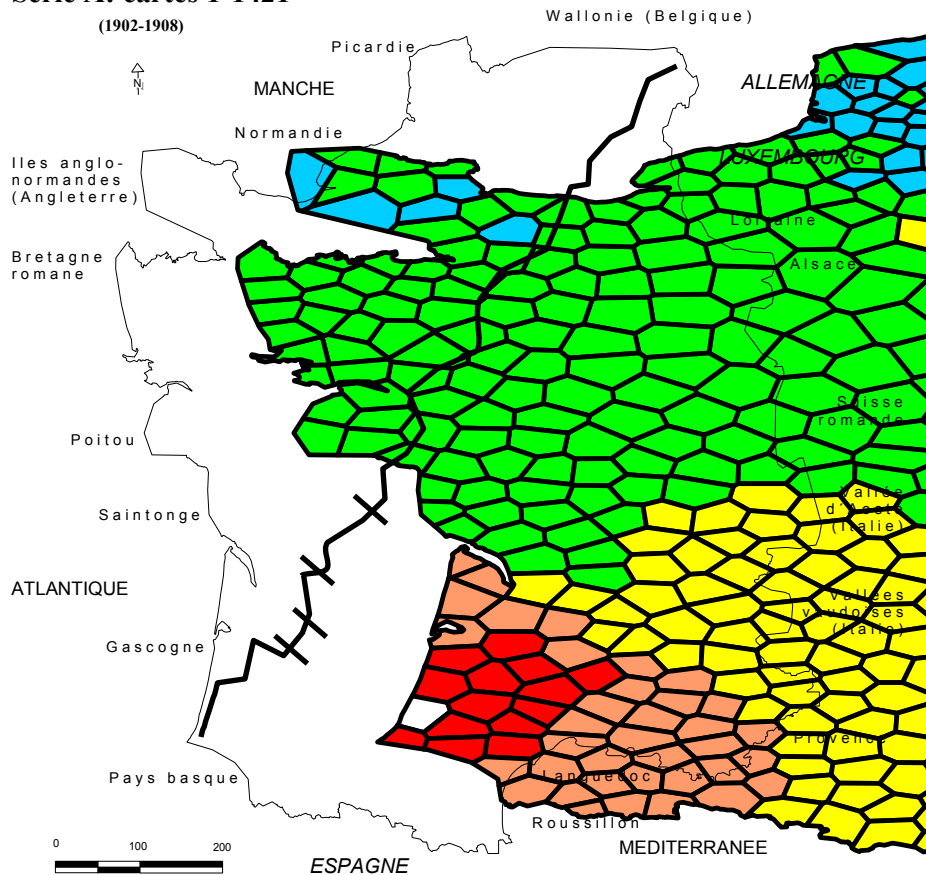
Point de repère: P. 690, Biarritz

Analyse iconique

ALF

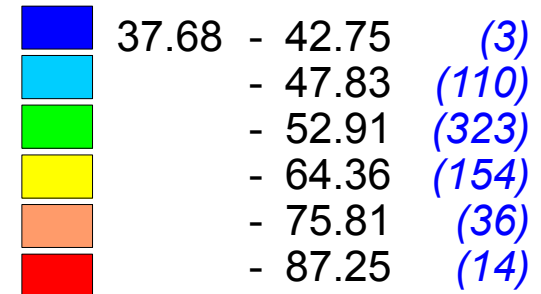
Série A: cartes 1-1421

(1902-1908)

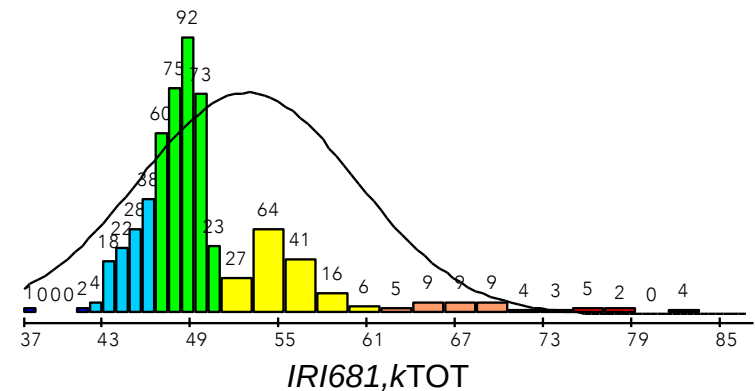


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



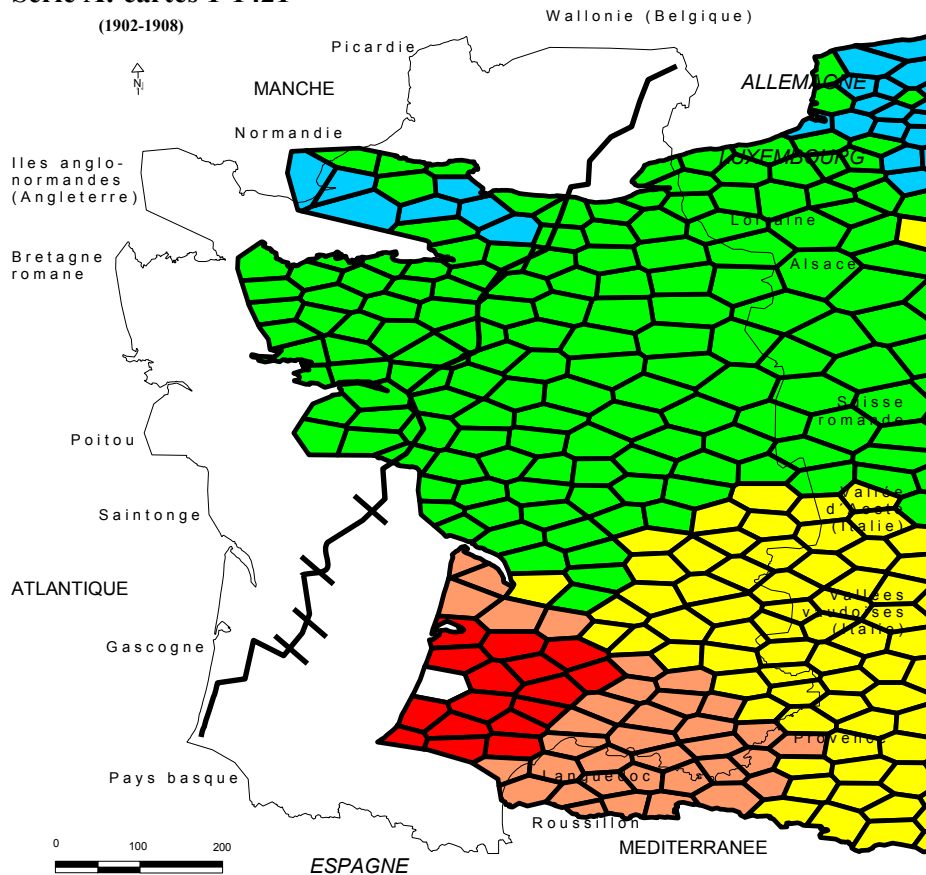
Point de repère: P. 681, Soustons

Analyse iconique

ALF

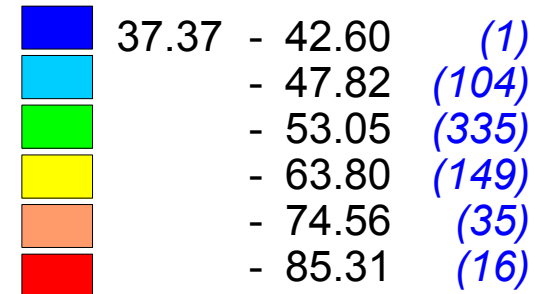
Série A: cartes 1-1421

(1902-1908)

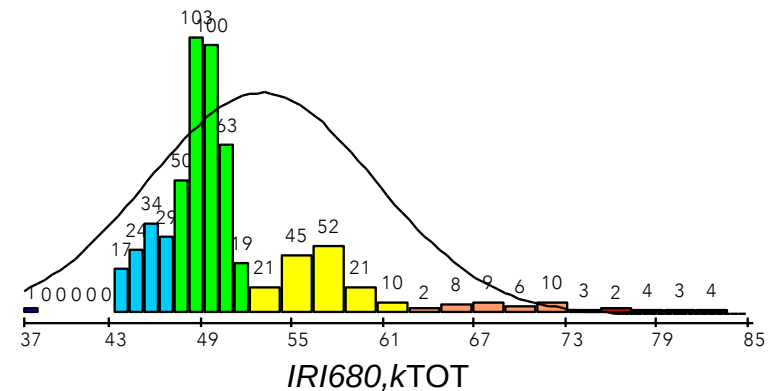


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



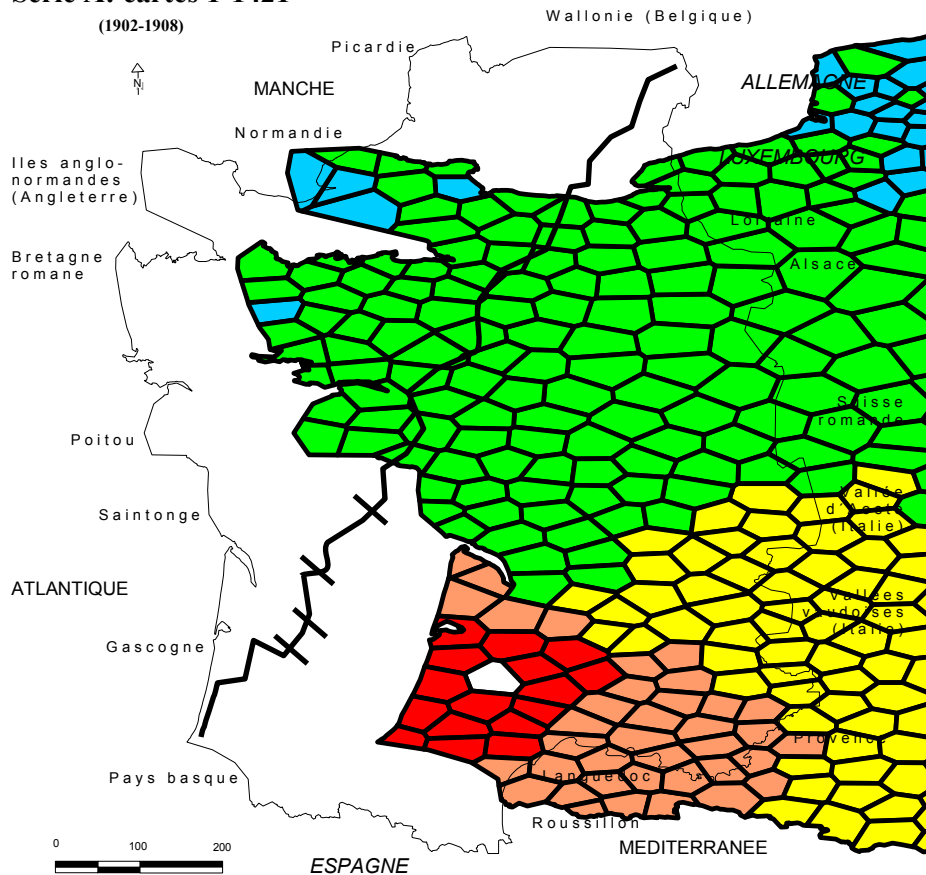
Point de repère: P. 680, Mézos

Analyse iconique

ALF

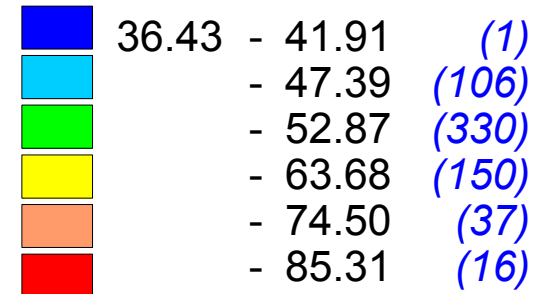
Série A: cartes 1-1421

(1902-1908)

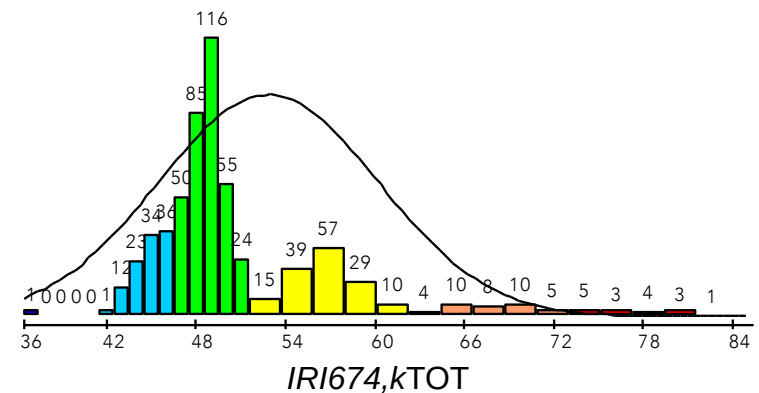


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



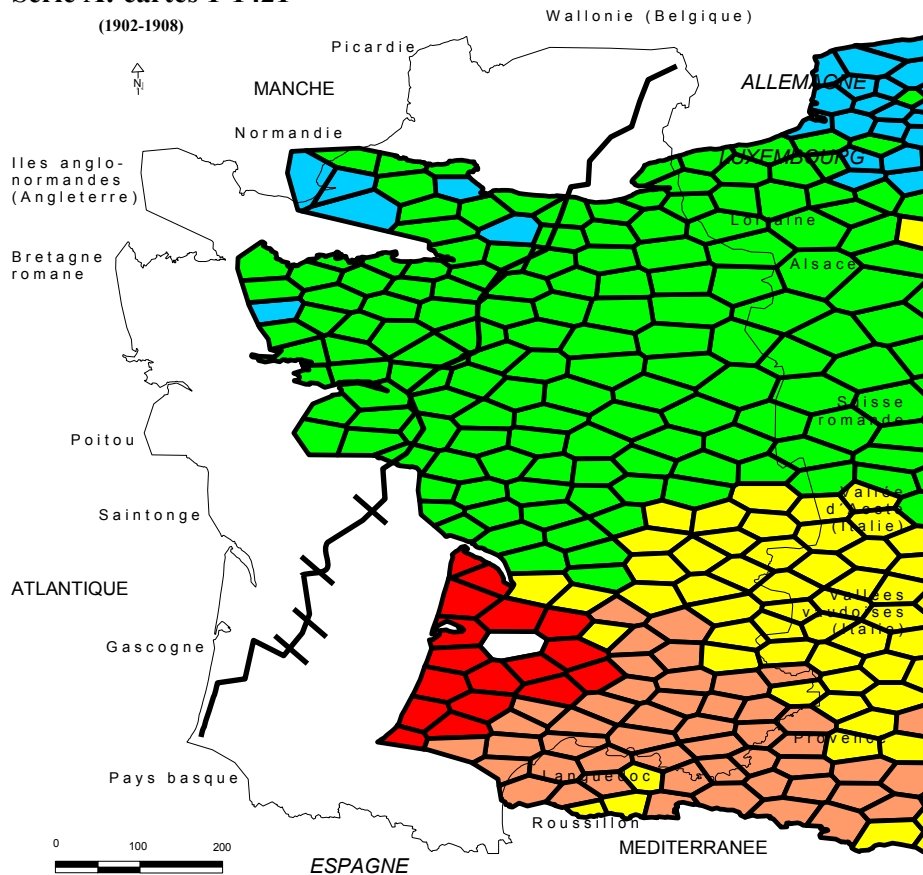
Point de repère: P. 674, Sabres

Analyse iconique

ALF

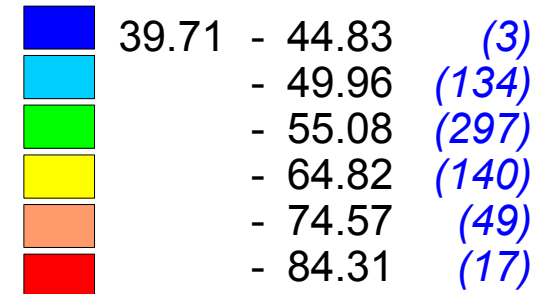
Série A: cartes 1-1421

(1902-1908)

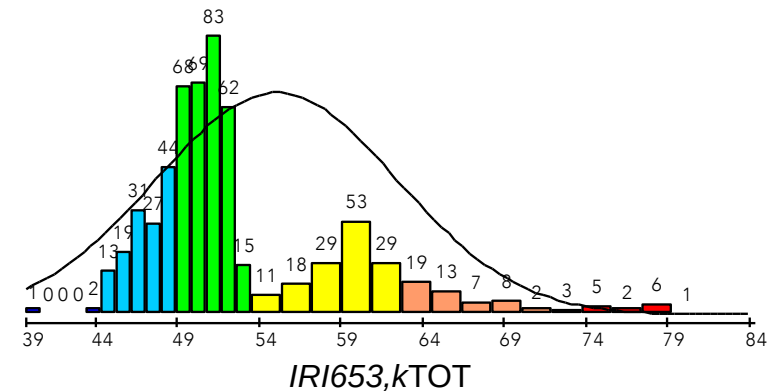


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



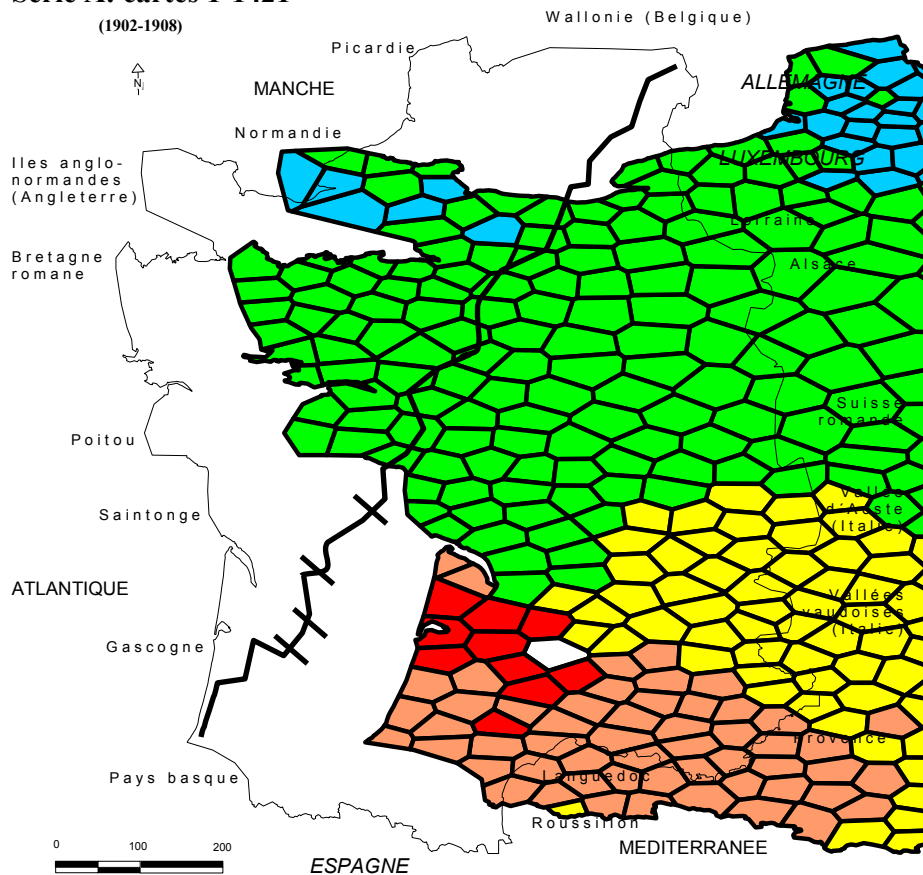
Point de repère: P. 653, Hostens

Analyse iconique

ALF

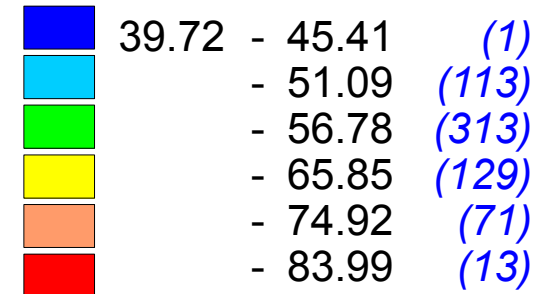
Série A: cartes 1-1421

(1902-1908)

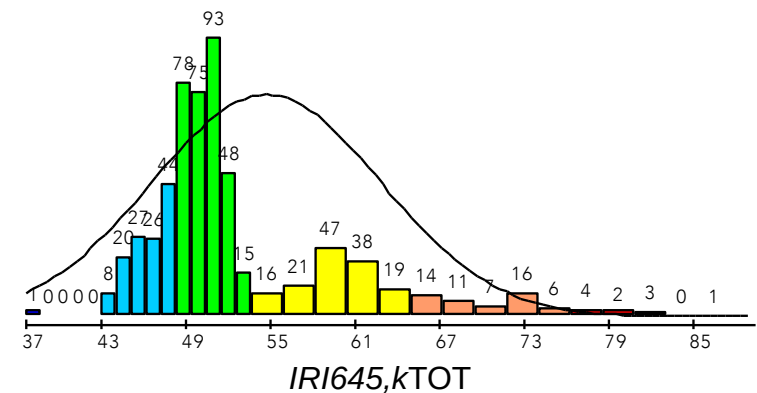


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$$\Sigma = 640$$



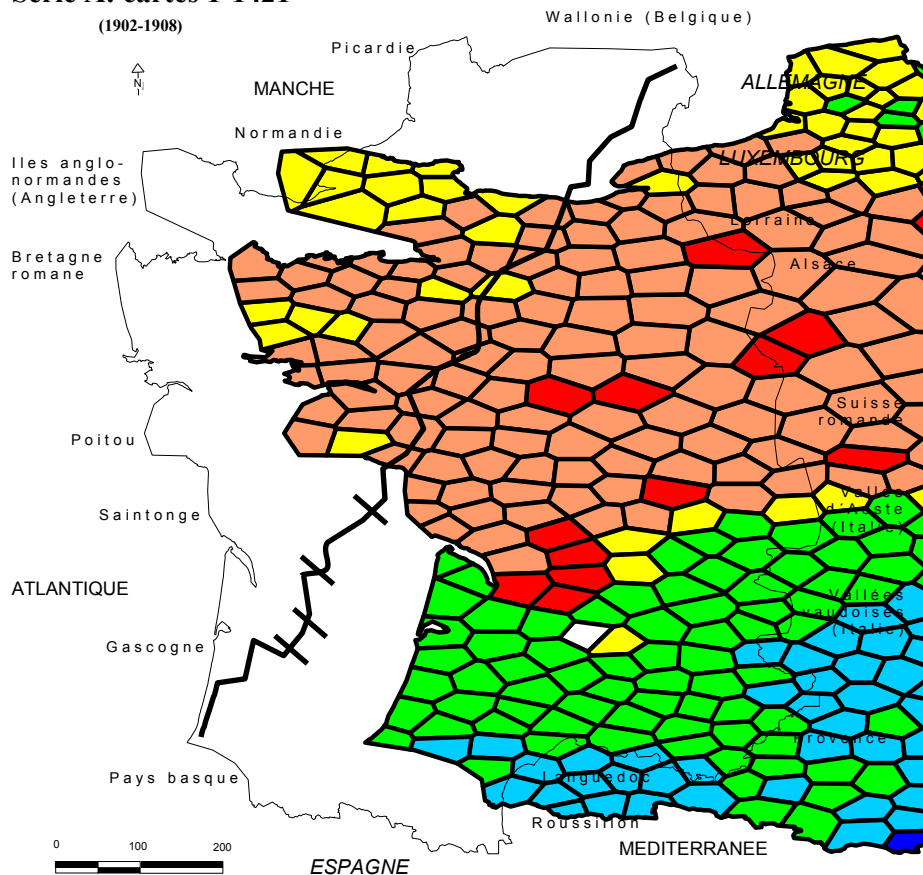
Point de repère: P. 645, Saint-Côme

Analyse iconique

ALF

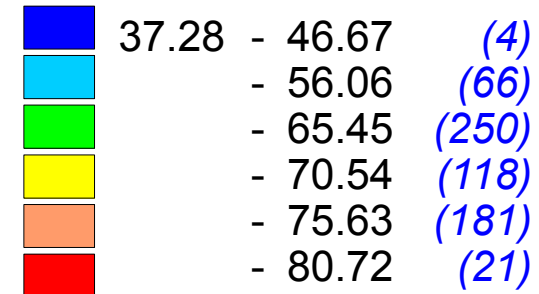
Série A: cartes 1-1421

(1902-1908)

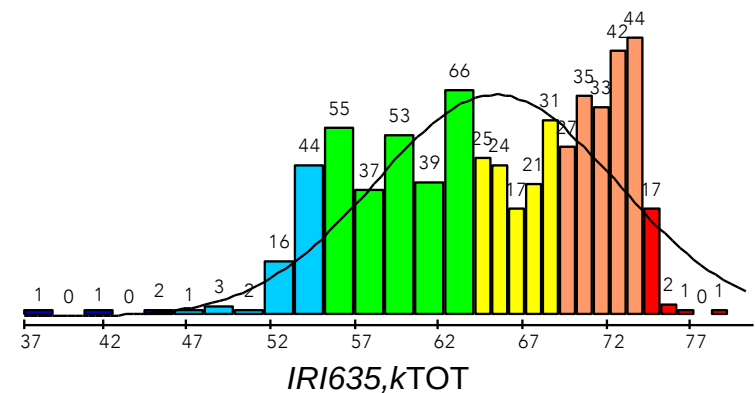


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



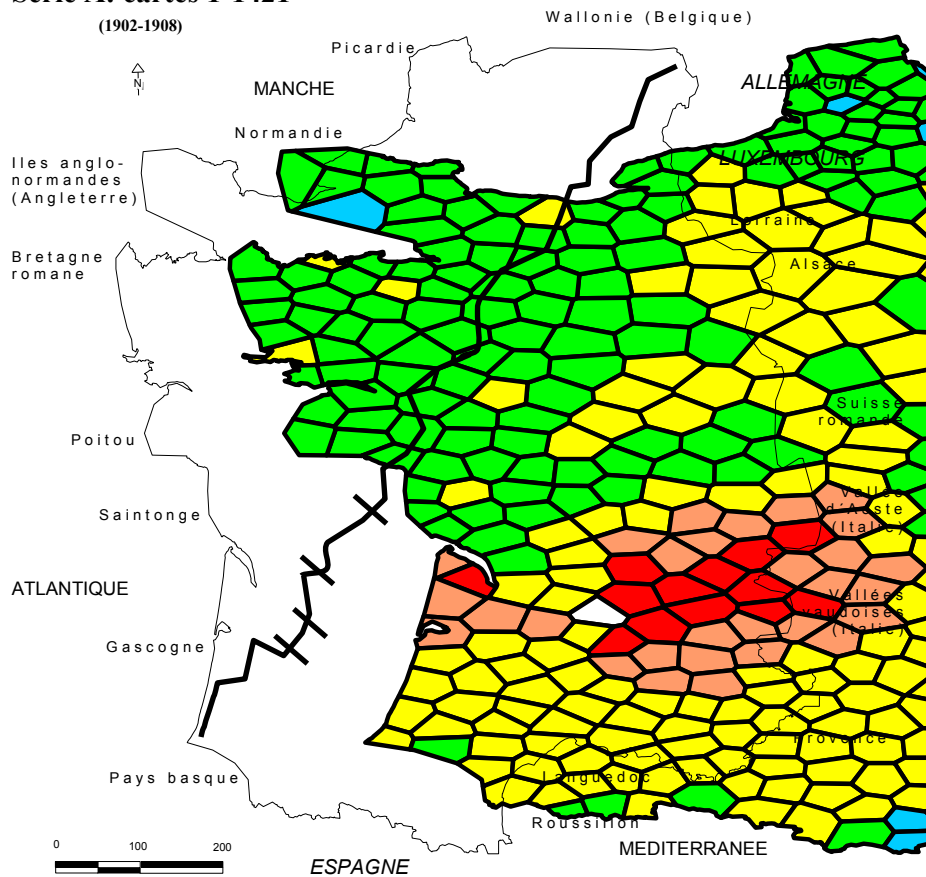
Point de repère : P. 635, Andraut (îlot linguistique oïlique)

Analyse iconique

ALF

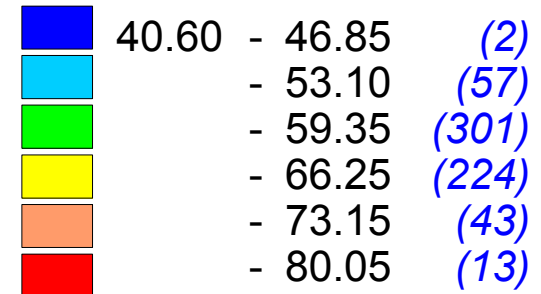
Série A: cartes 1-1421

(1902-1908)

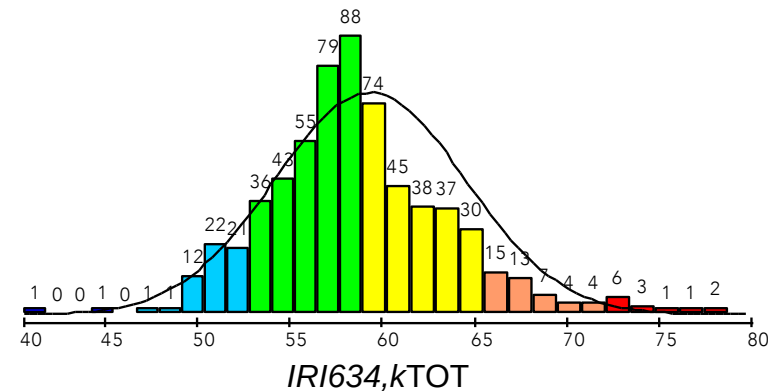


Analyse numérique

Visualisation
MINMWMAX 6-tuple



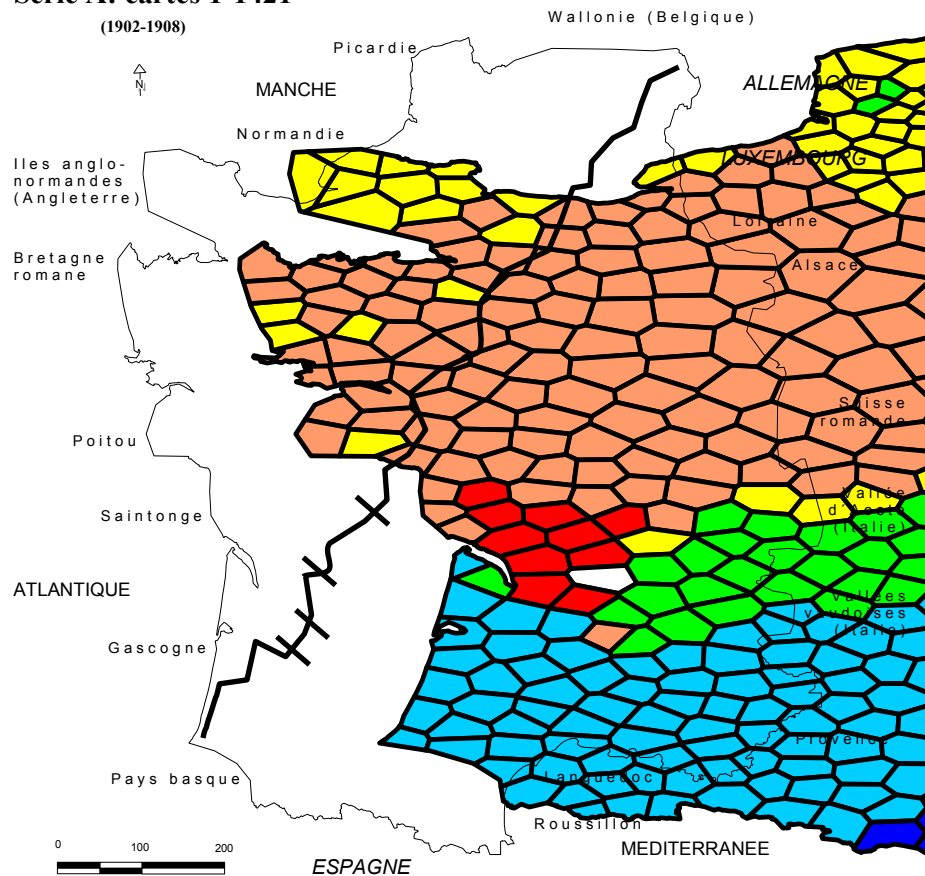
$\Sigma = 640$



Point de repère: P. 634, Vélines

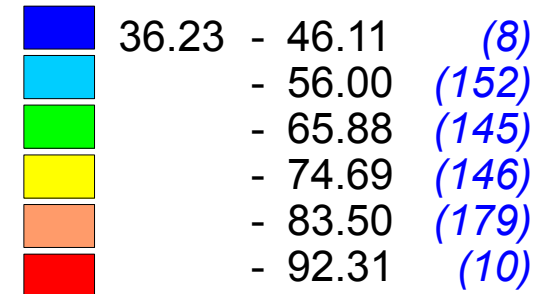
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)

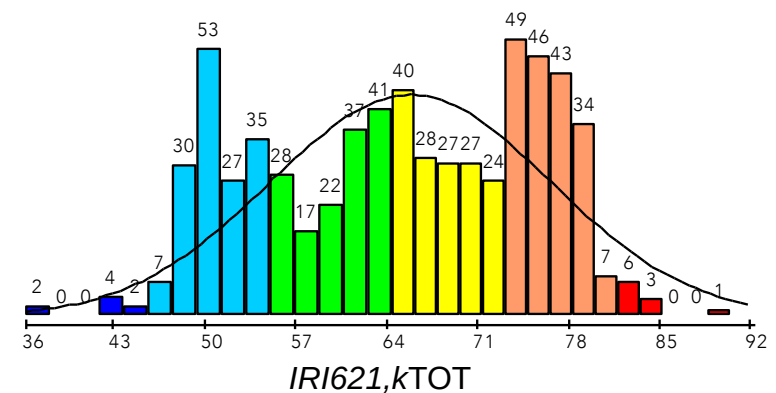


Analyse numérique

Visualisation MINMWMAX 6-tuple



$$\Sigma = 640$$



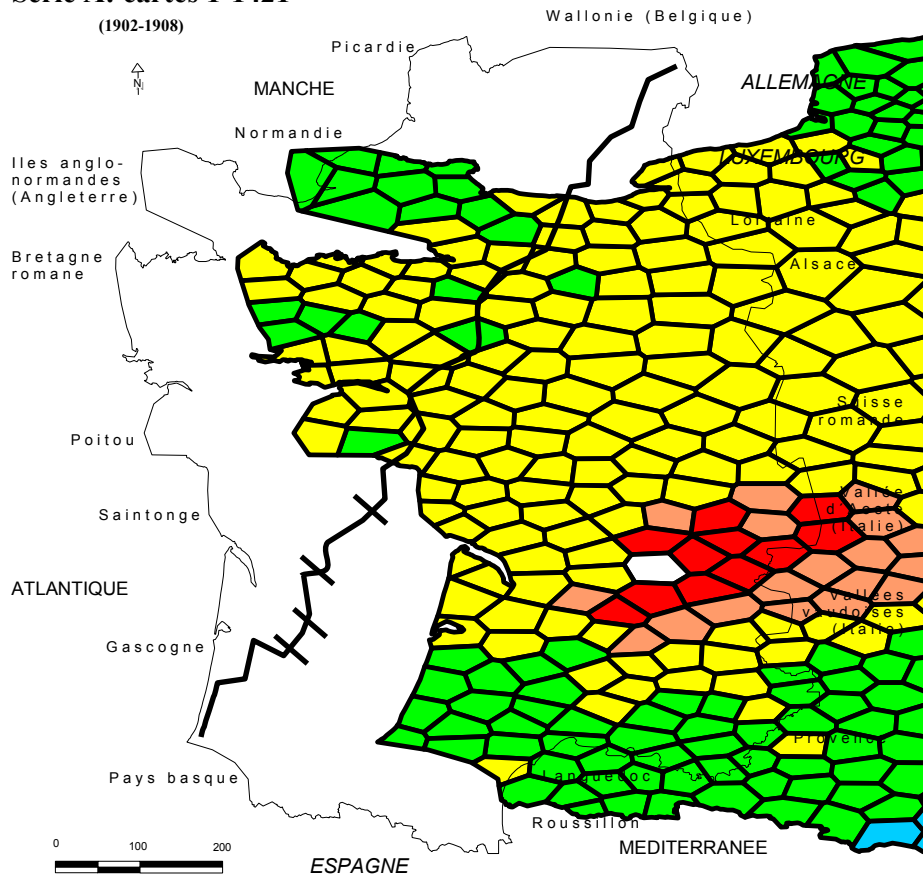
Point de repère: P. 621, Yviers

Analyse iconique

ALF

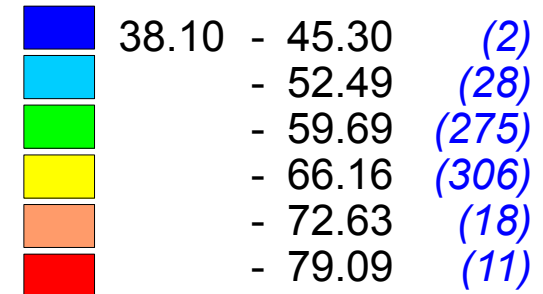
Série A: cartes 1-1421

(1902-1908)

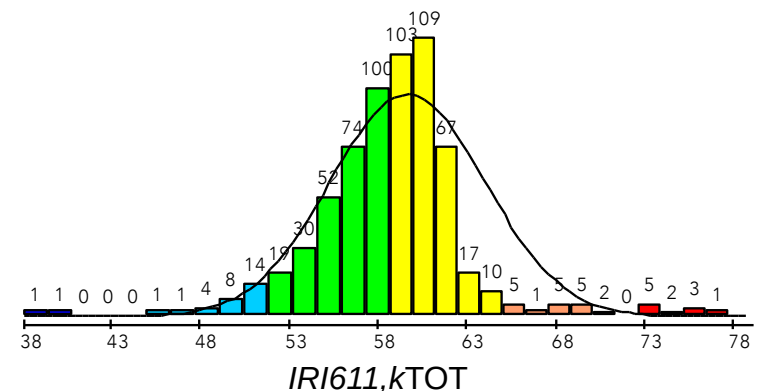


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



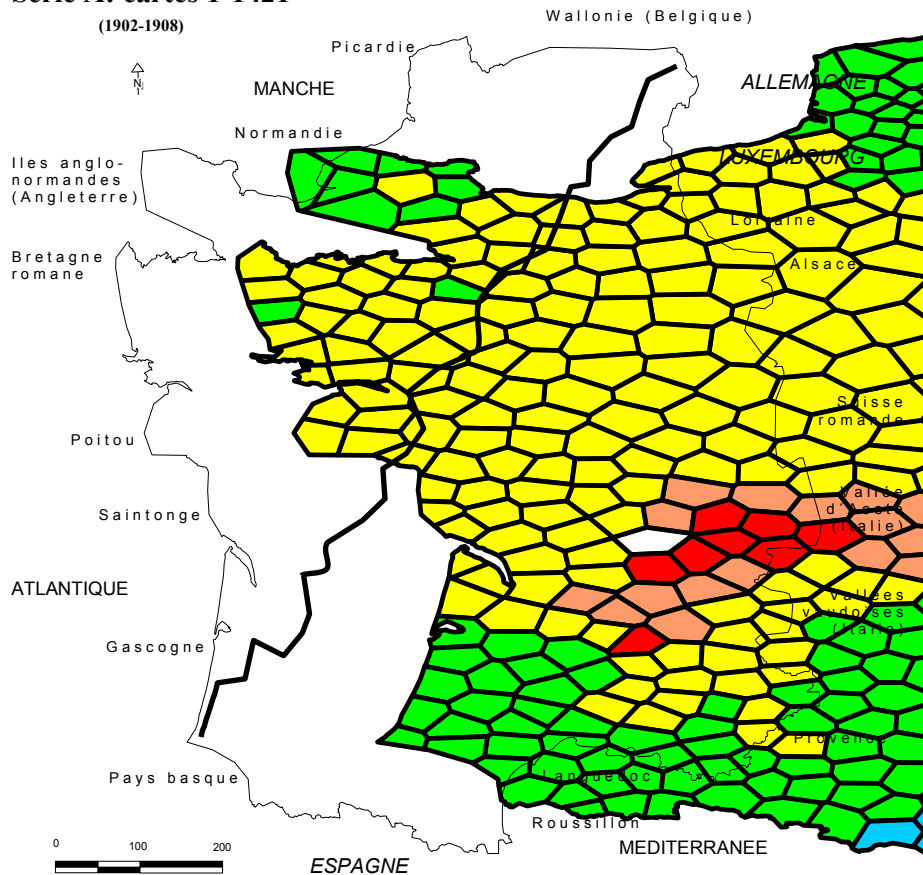
Point de repère: P. 611, La Tour-Blanche

Analyse iconique

ALF

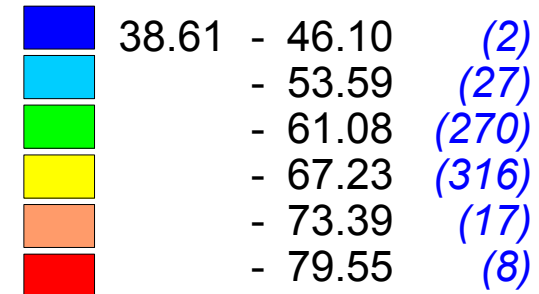
Série A: cartes 1-1421

(1902-1908)

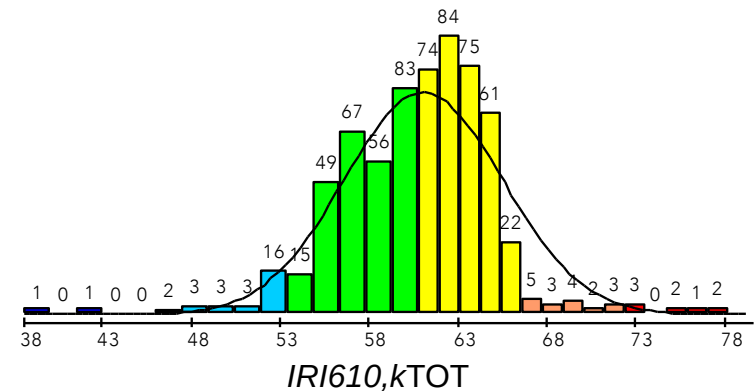


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



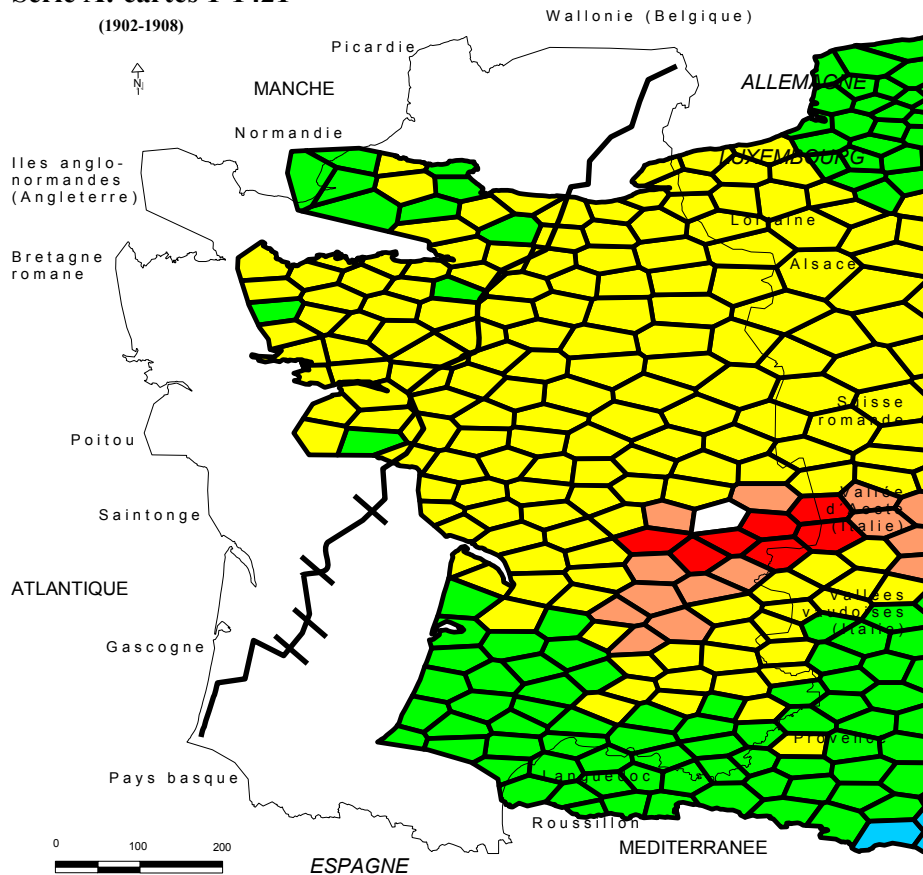
Point de repère: P. 610, Chazelles

Analyse iconique

ALF

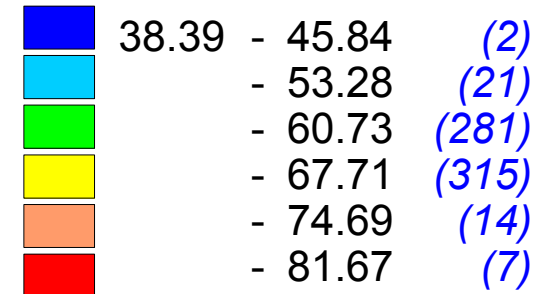
Série A: cartes 1-1421

(1902-1908)

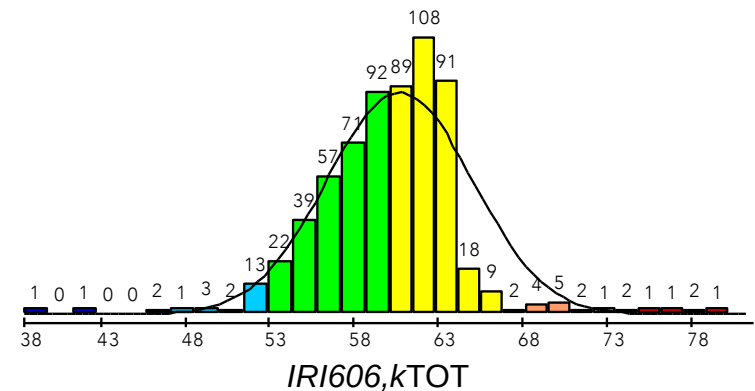


Analyse numérique

Visualisation
MINMWMAX 6-tuple



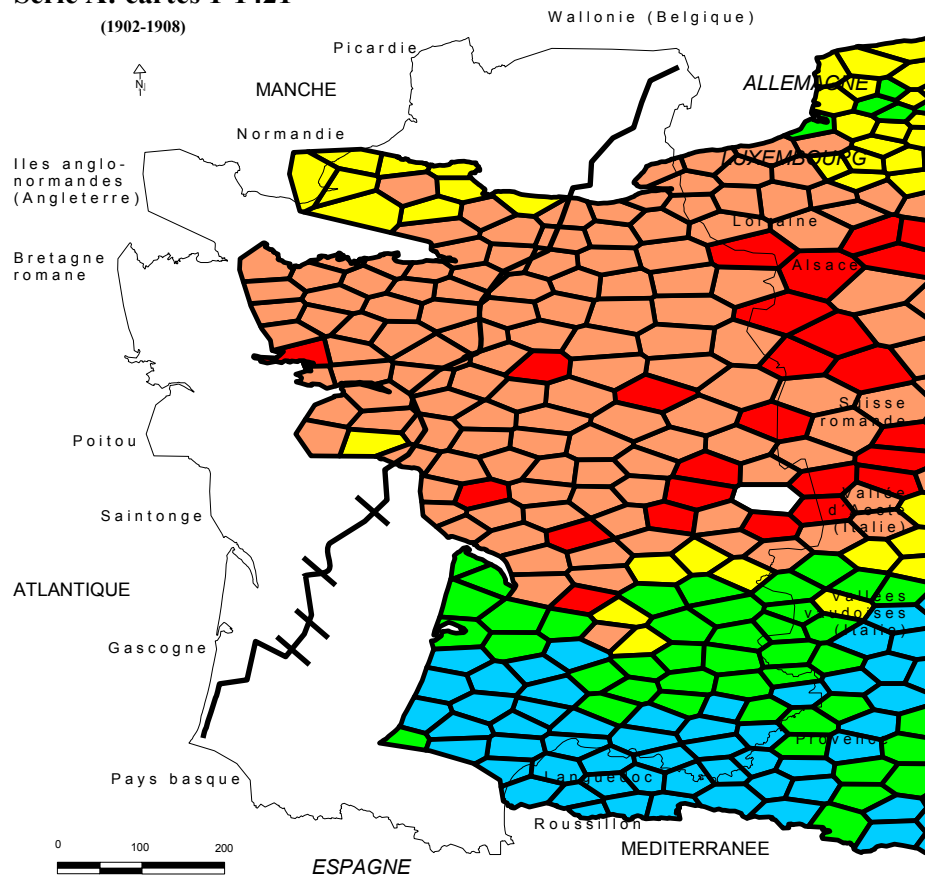
$\Sigma = 640$



Point de repère: P. 606, Saint-Junien

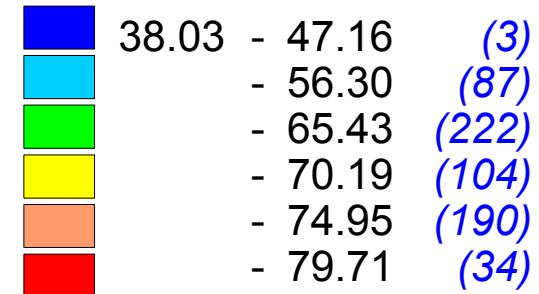
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)

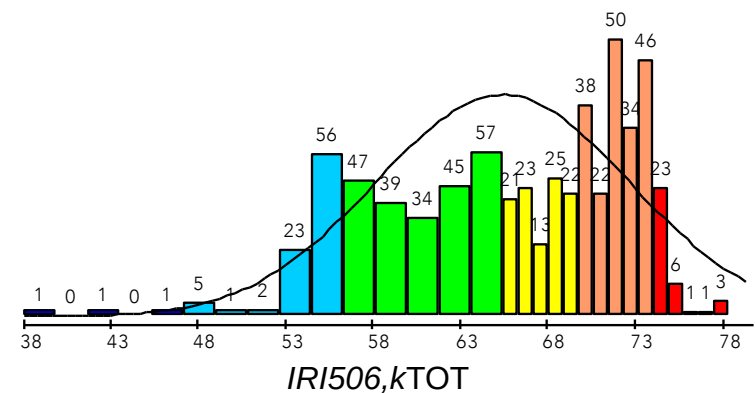


Analyse numérique

Visualisation MINMWMAX 6-tuple



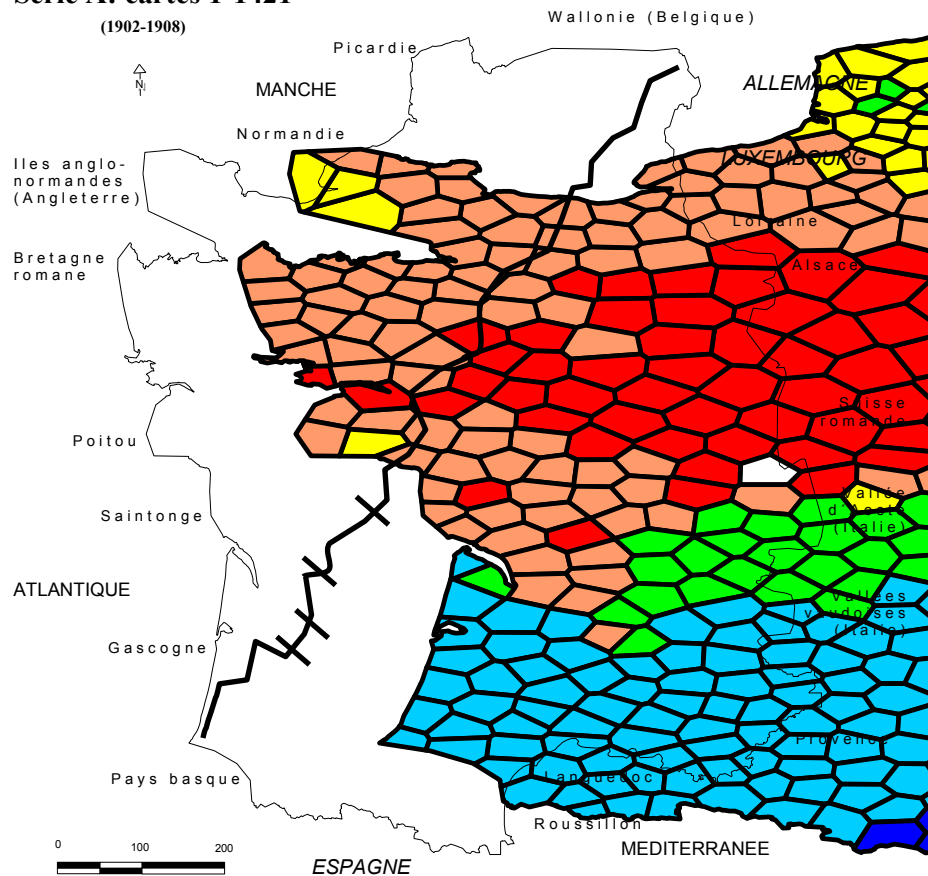
$$\Sigma = 640$$



Point de repère: P. 506, Château-Ponsac

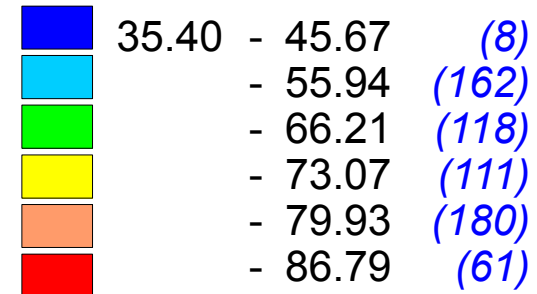
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)

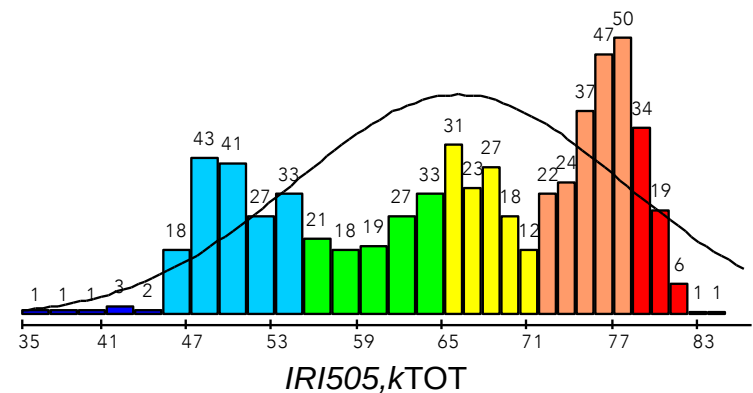


Analyse numérique

Visualisation MINMWMAX 6-tuple



$$\Sigma = 640$$



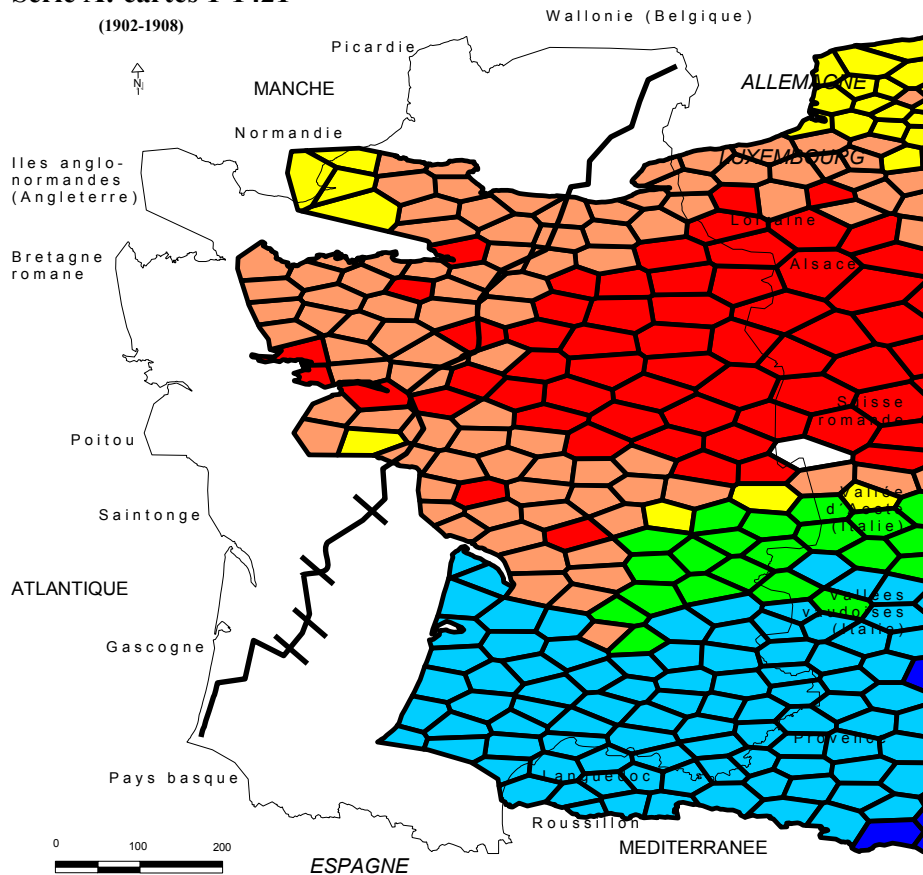
Point de repère: P. 505, Chaillac

Analyse iconique

ALF

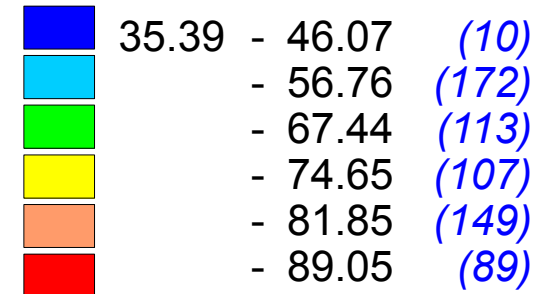
Série A: cartes 1-1421

(1902-1908)

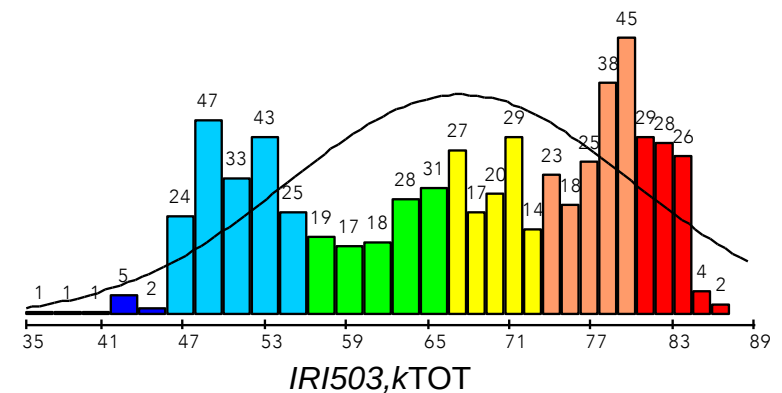


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



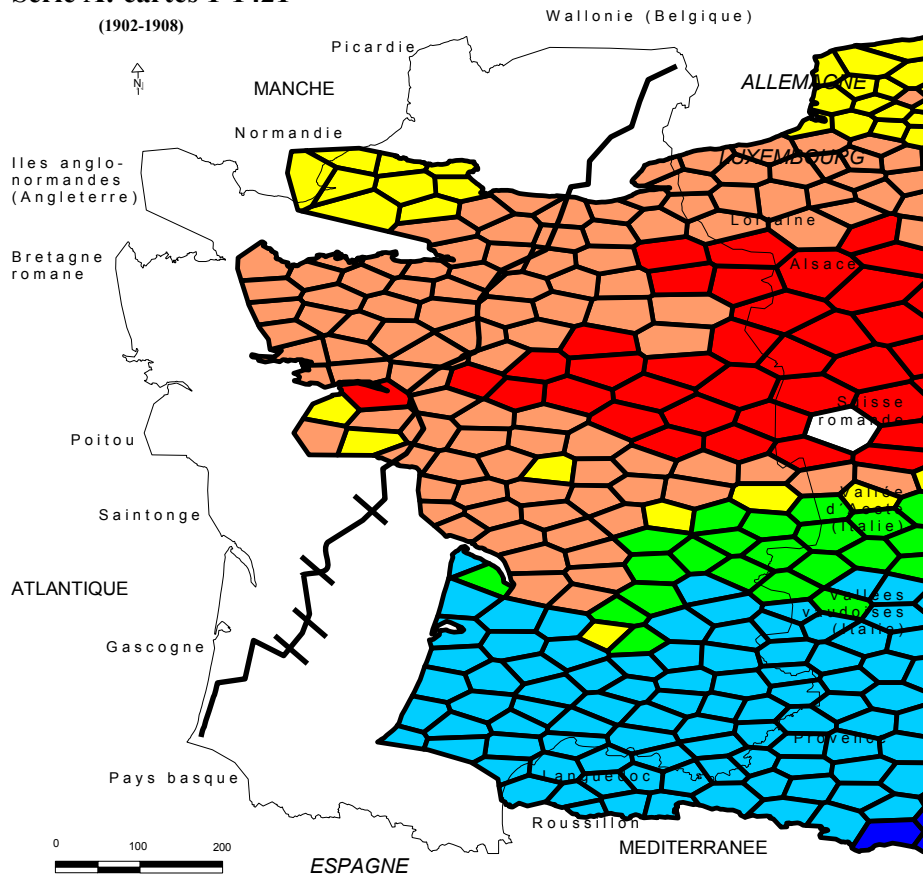
Point de repère: P. 503, Argenton

Analyse iconique

ALF

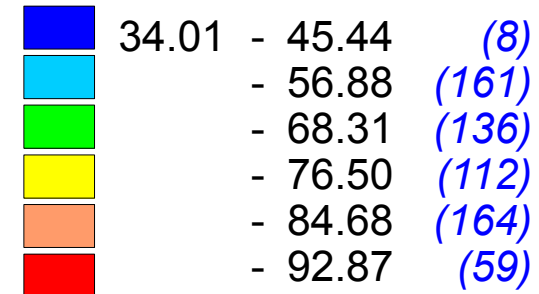
Série A: cartes 1-1421

(1902-1908)

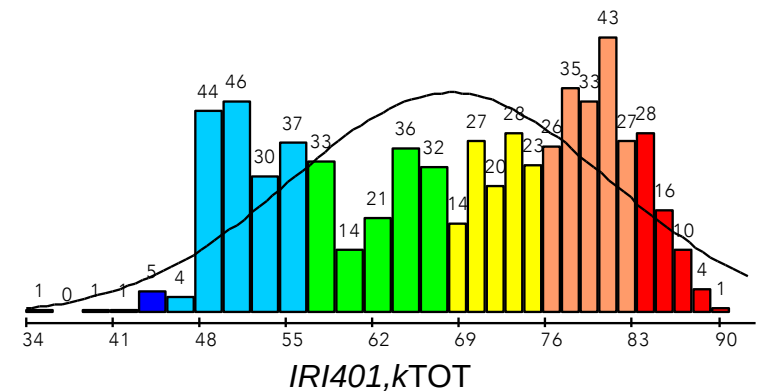


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



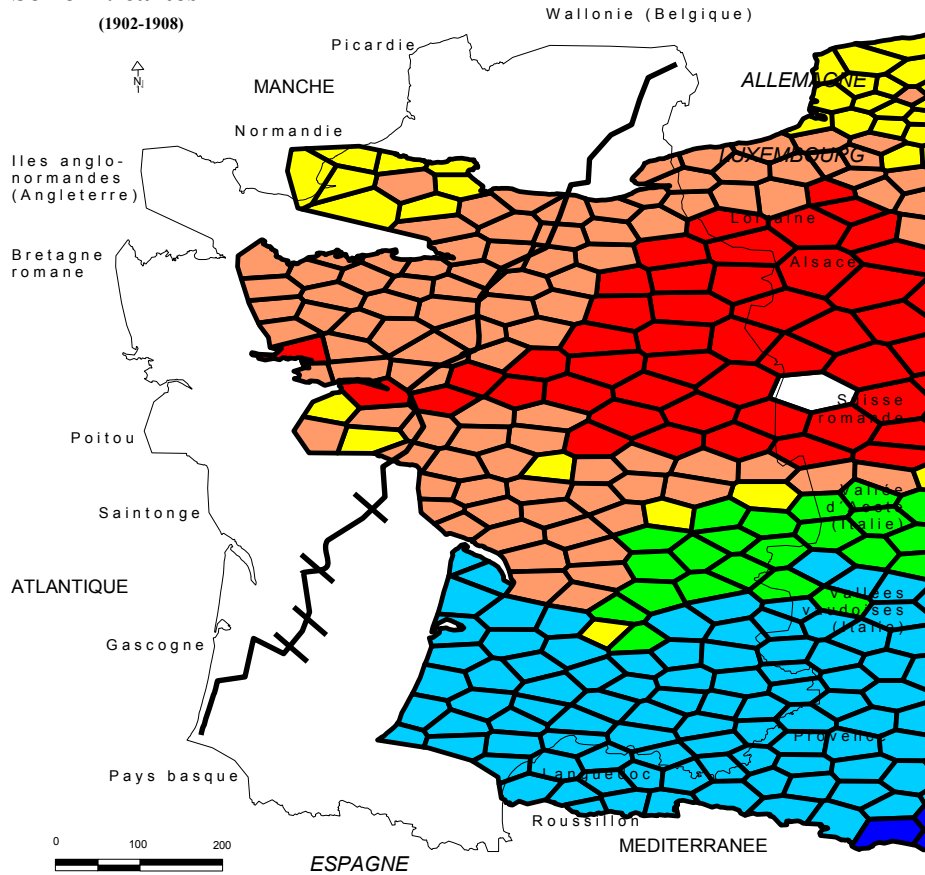
Point de repère: P. 401, Neuvy-Pailloux

Analyse iconique

ALF

Série A: cartes 1-1421

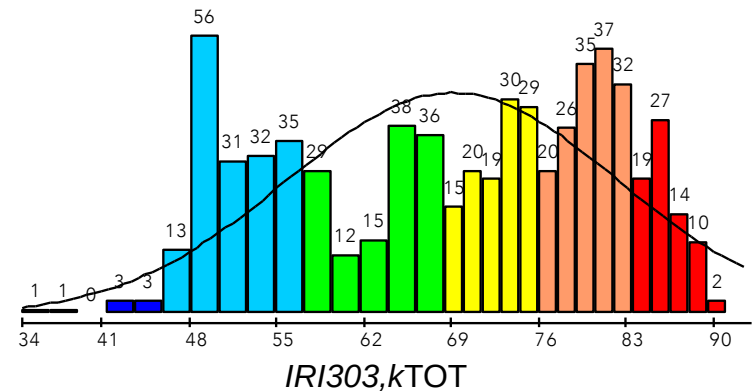
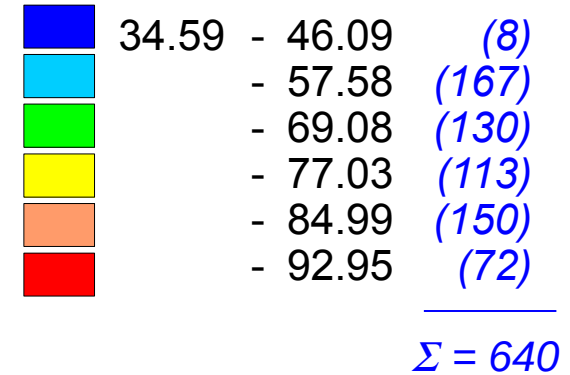
(1902-1908)



Analyse numérique

Visualisation

MINMWMAX 6-tuple



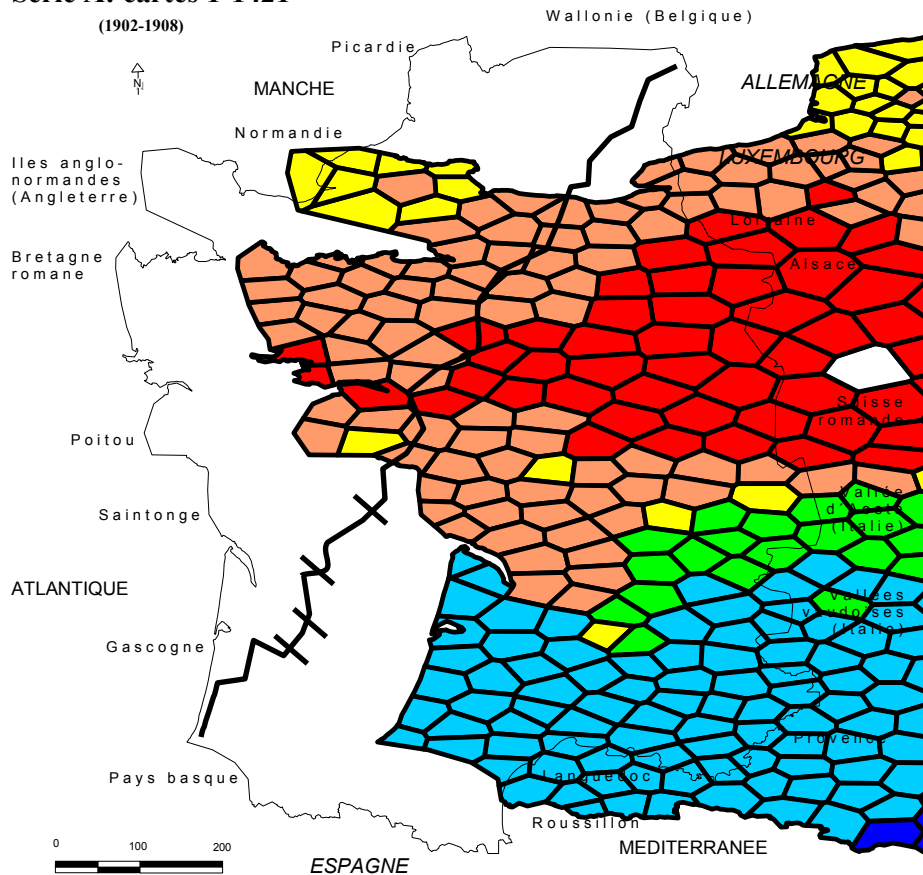
Point de repère: P. 303, La Vernelle

Analyse iconique

ALF

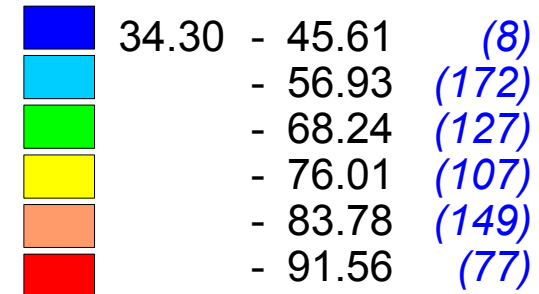
Série A: cartes 1-1421

(1902-1908)

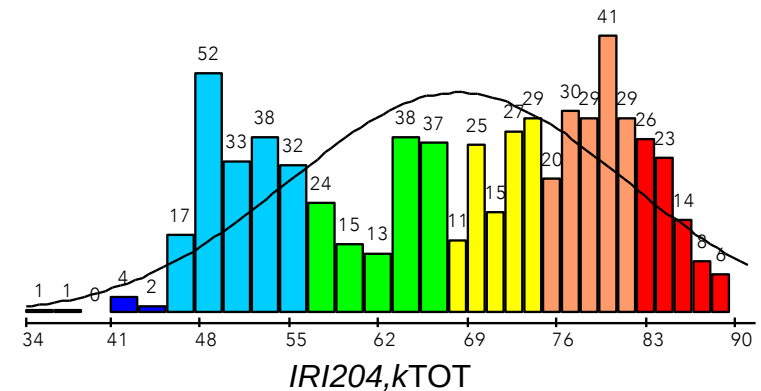


Analyse numérique

Visualisation
MINMWMAX 6-tuple



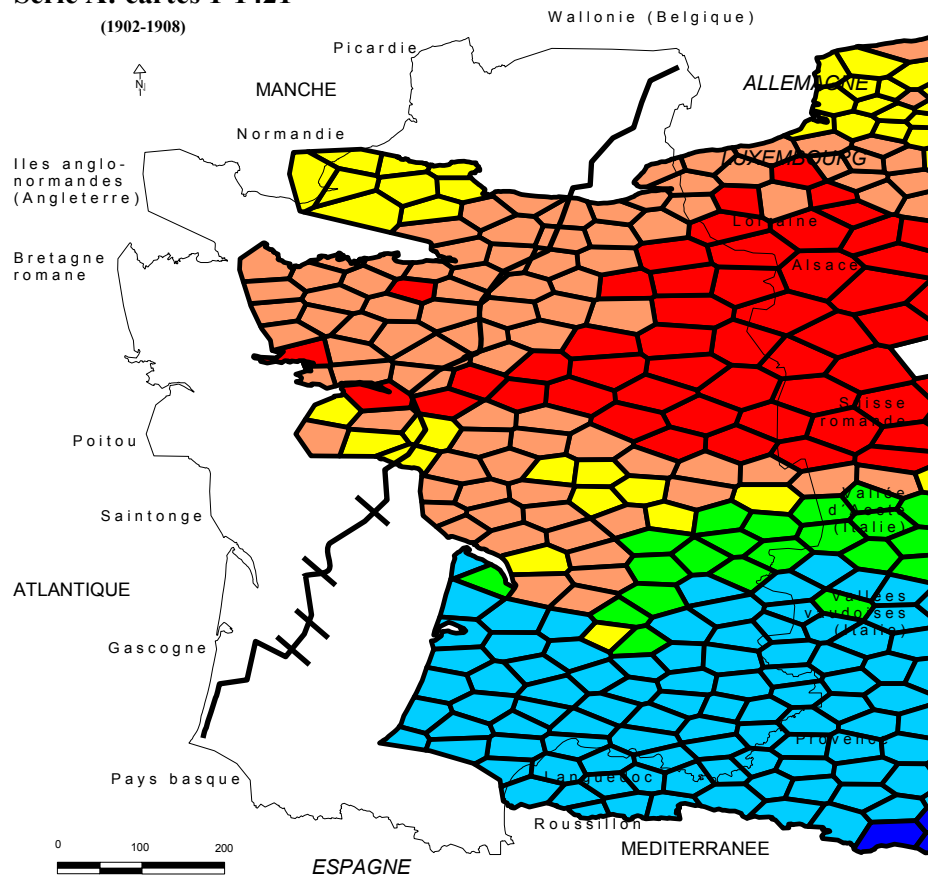
$\Sigma = 640$



Point de repère: P. 204, Nouan-le-Fuzelier

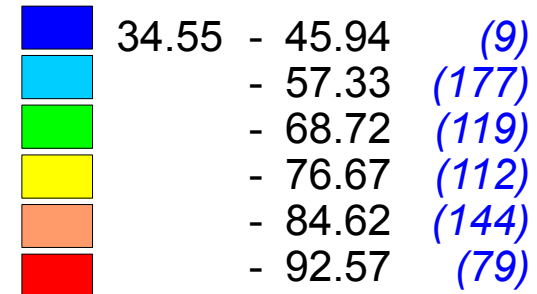
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)

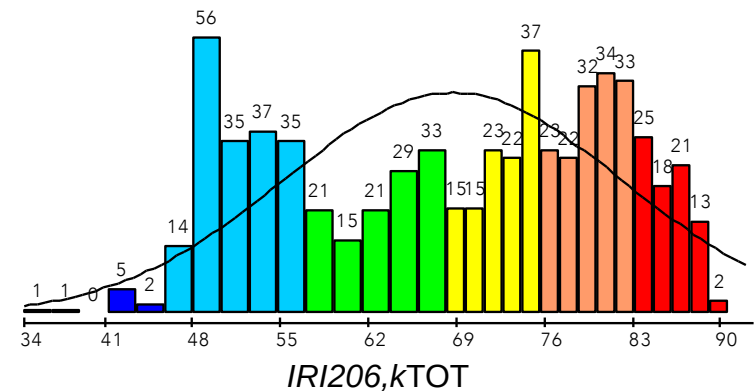


Analyse numérique

Visualisation MINMWMAX 6-tuple



$$\Sigma = 640$$



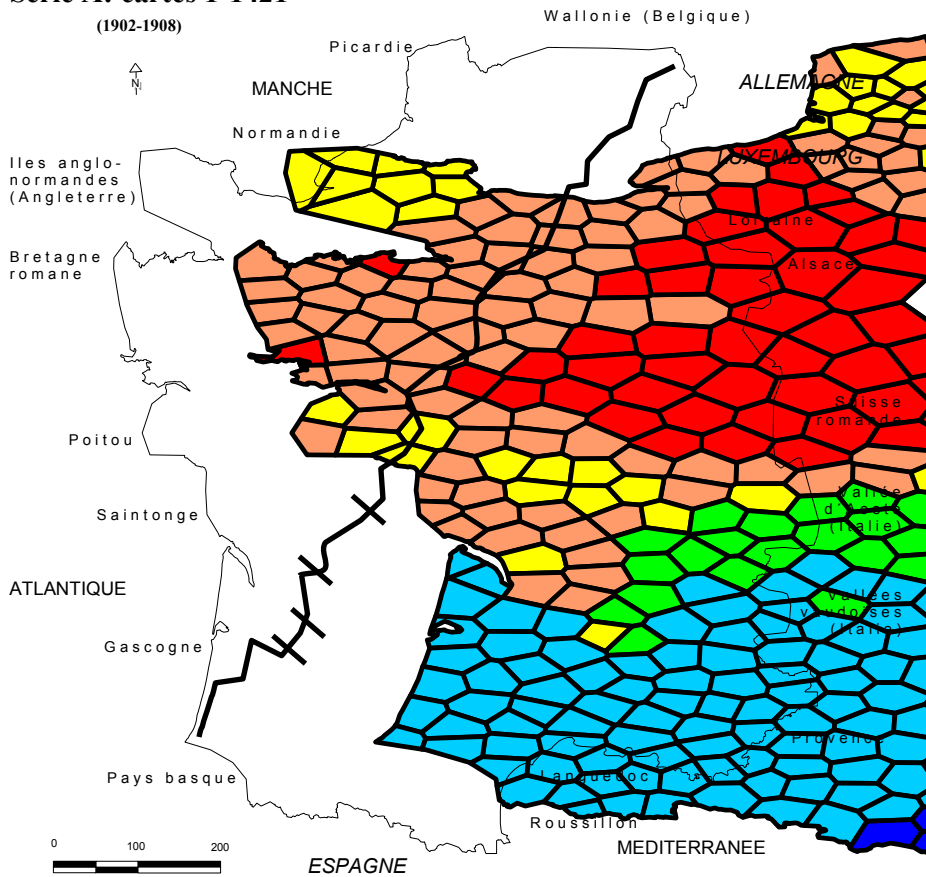
Point de repère: P. 206, Poilly

Analyse iconique

ALF

Série A: cartes 1-1421

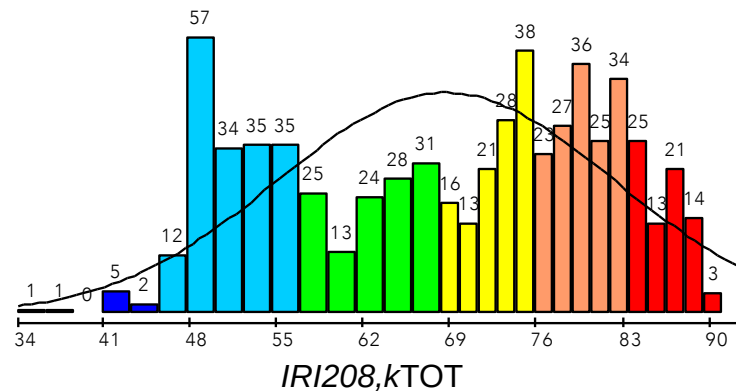
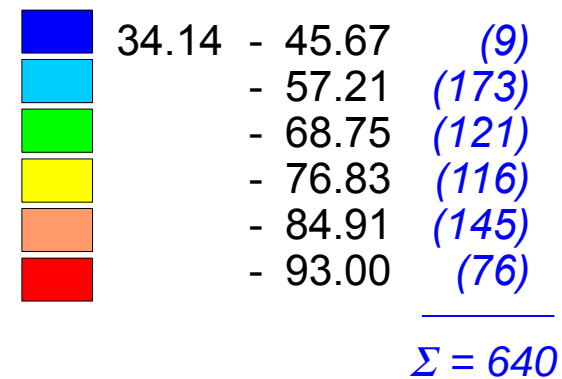
(1902-1908)



Analyse numérique

Visualisation

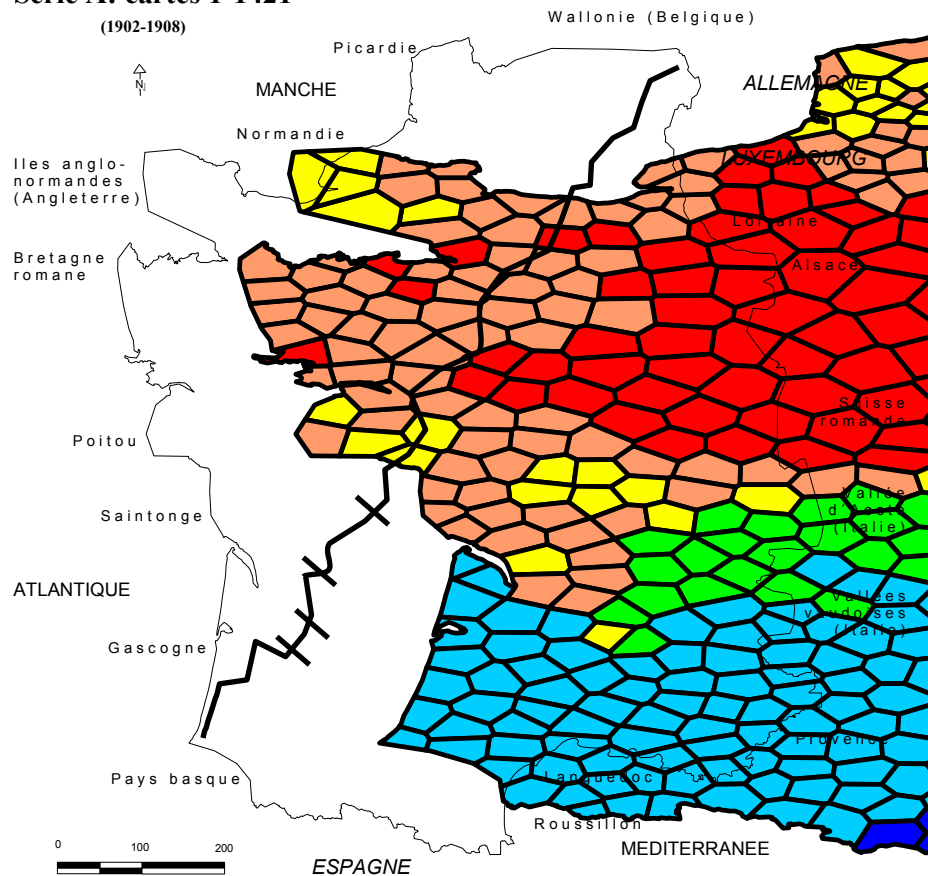
MINMWMAX 6-tuple



Point de repère: P. 208, Chenou

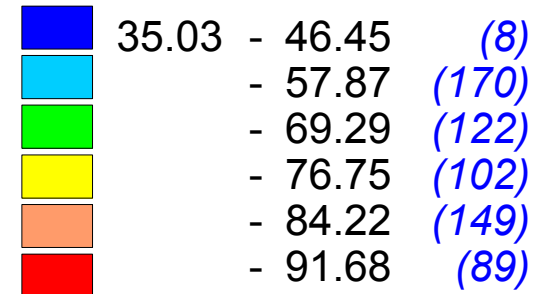
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)

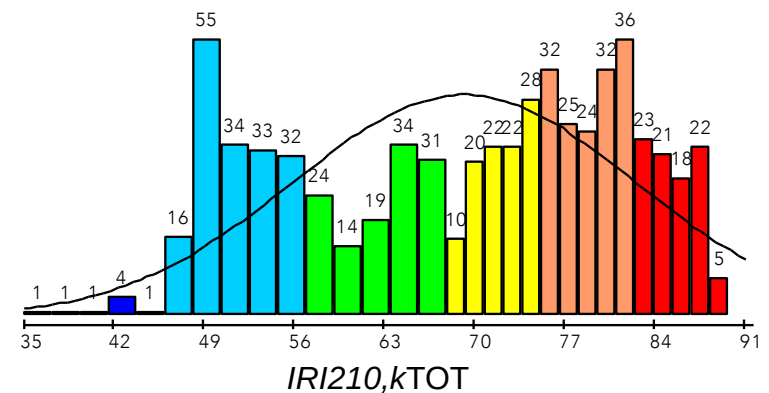


Analyse numérique

Visualisation MINMWMAX 6-tuple



$$\Sigma = 640$$



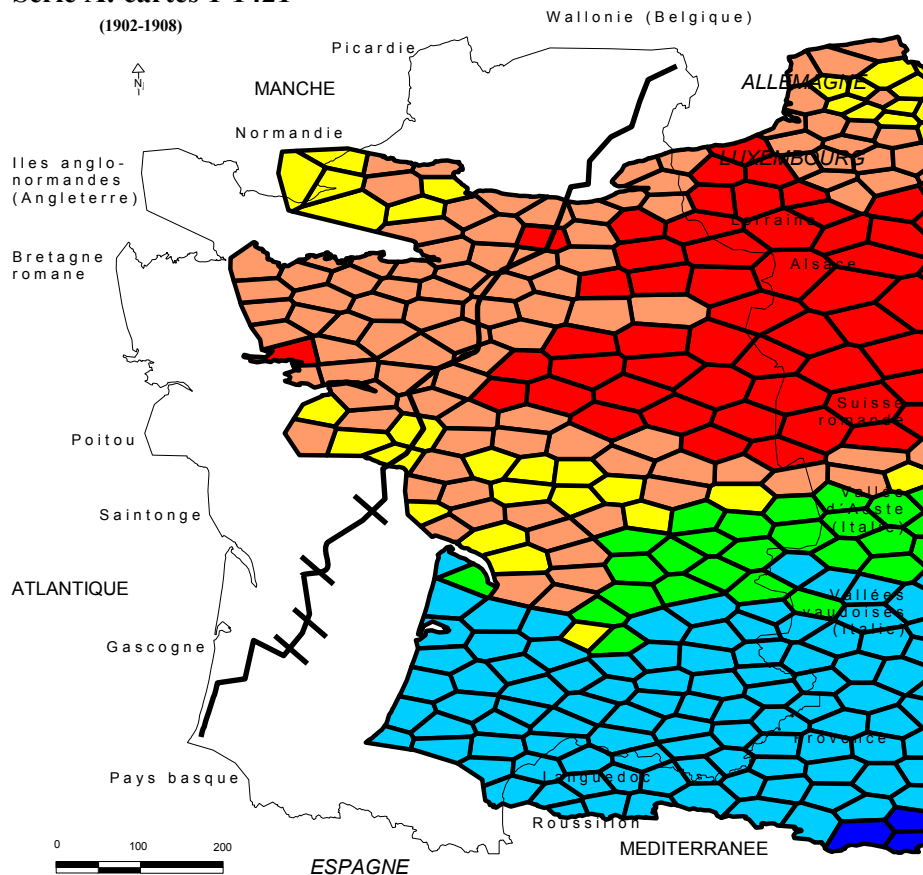
Point de repère: P. 210, Longueville

Analyse iconique

ALF

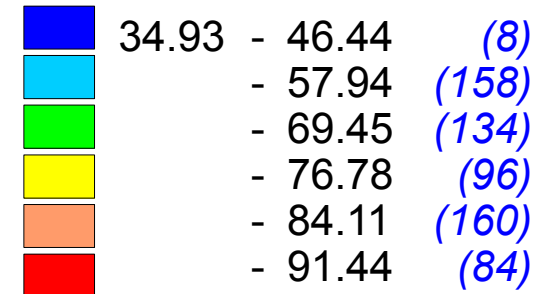
Série A: cartes 1-1421

(1902-1908)

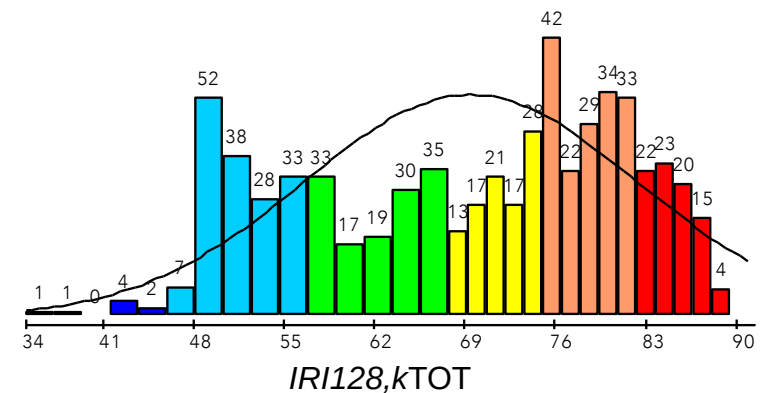


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$$\Sigma = 640$$



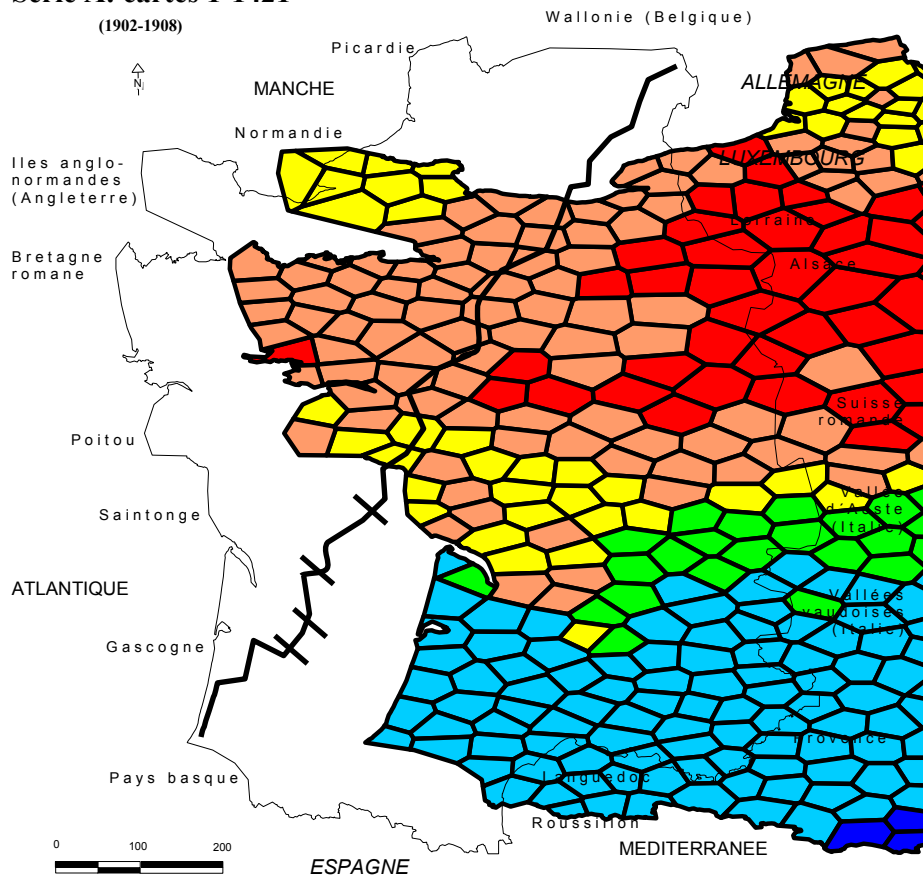
Point de repère: P. 128, Linthes

Analyse iconique

ALF

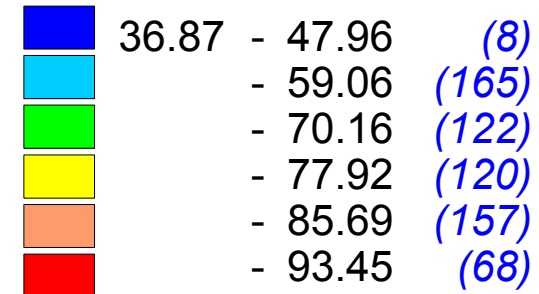
Série A: cartes 1-1421

(1902-1908)

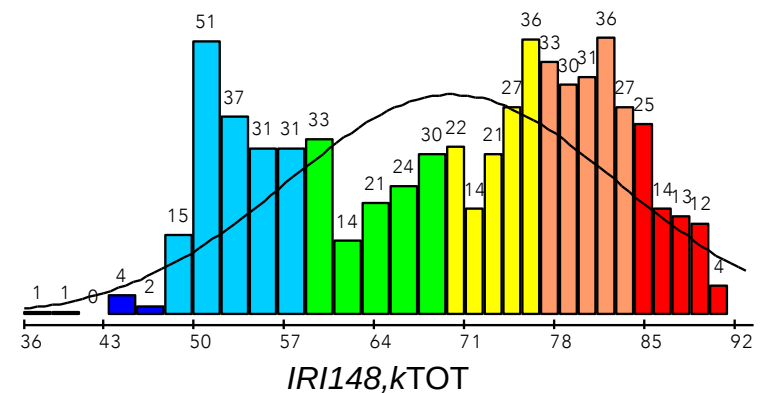


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



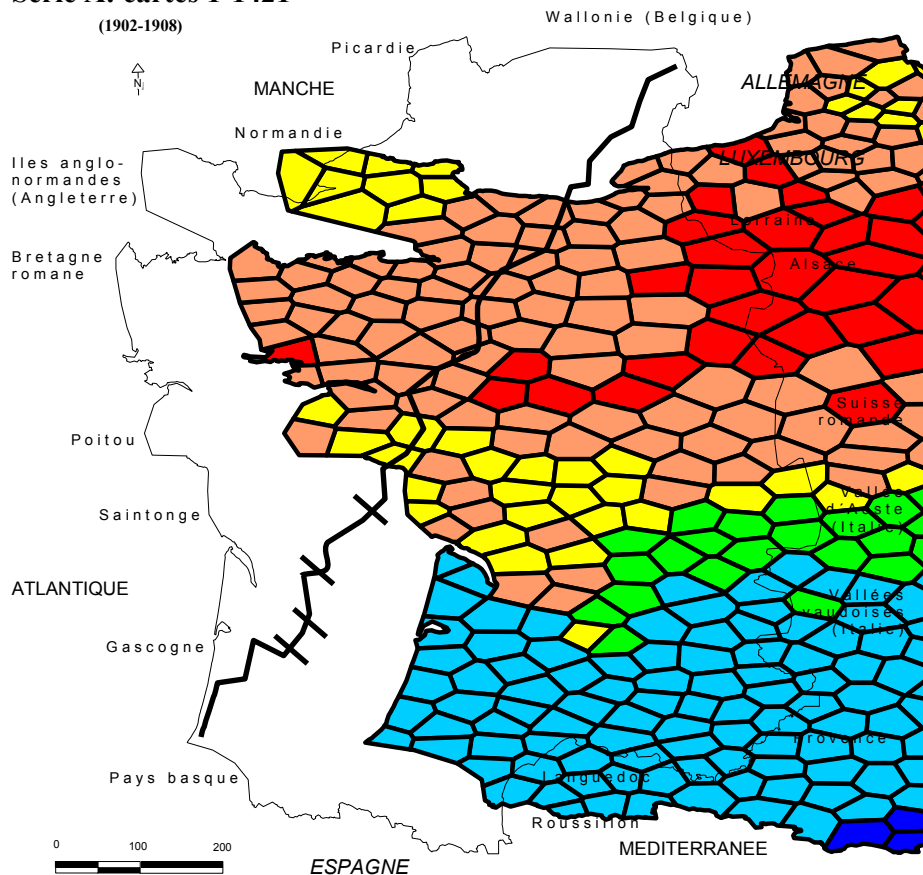
Point de repère: P. 148, Verzenay

Analyse iconique

ALF

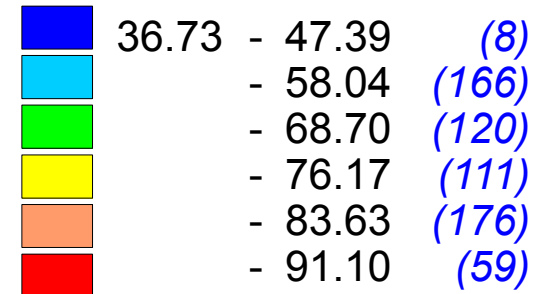
Série A: cartes 1-1421

(1902-1908)

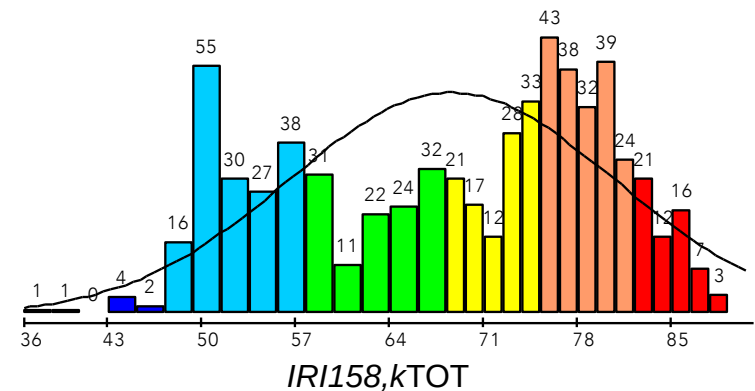


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



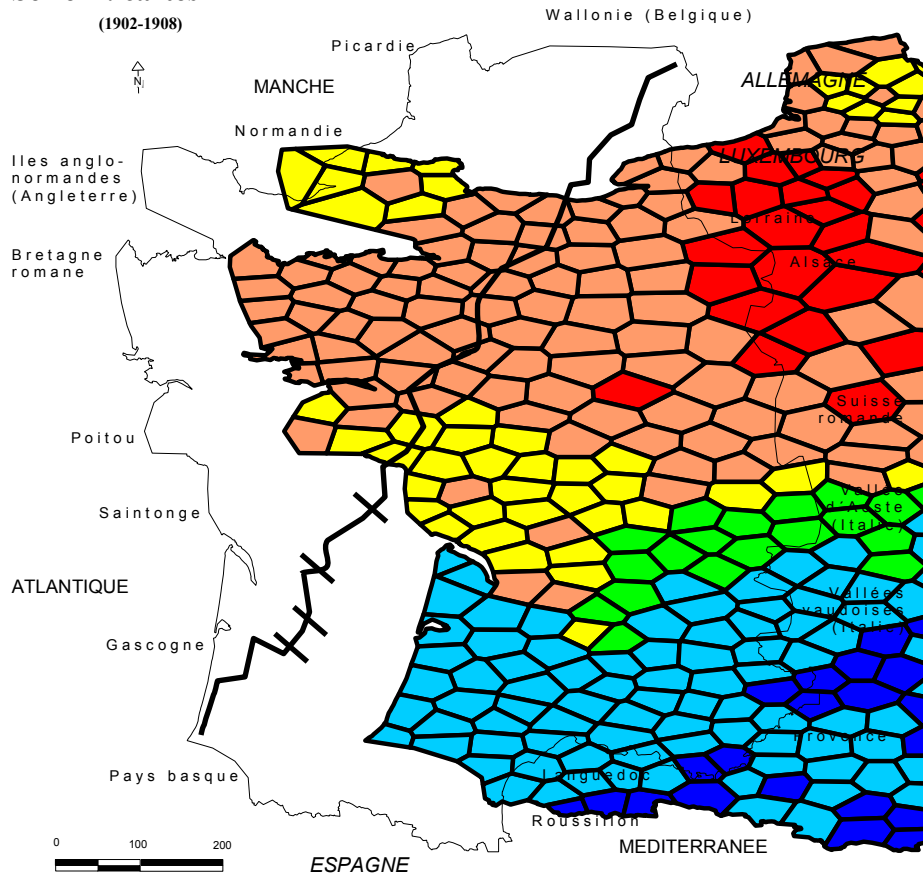
Point de repère: P. 158, Le Châtelet

Analyse iconique

ALF

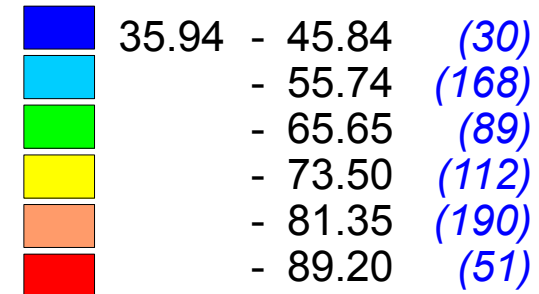
Série A: cartes 1-1421

(1902-1908)

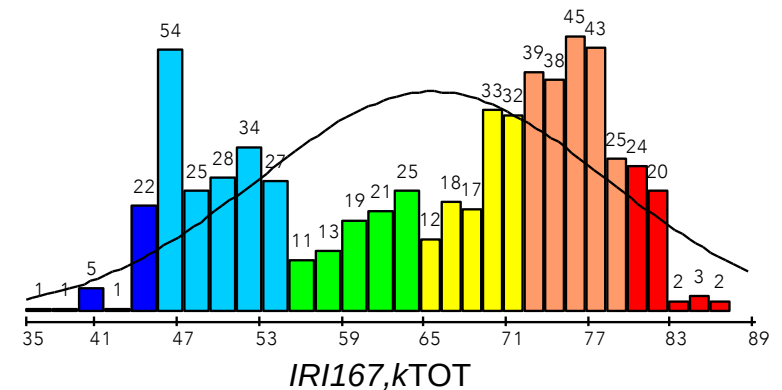


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



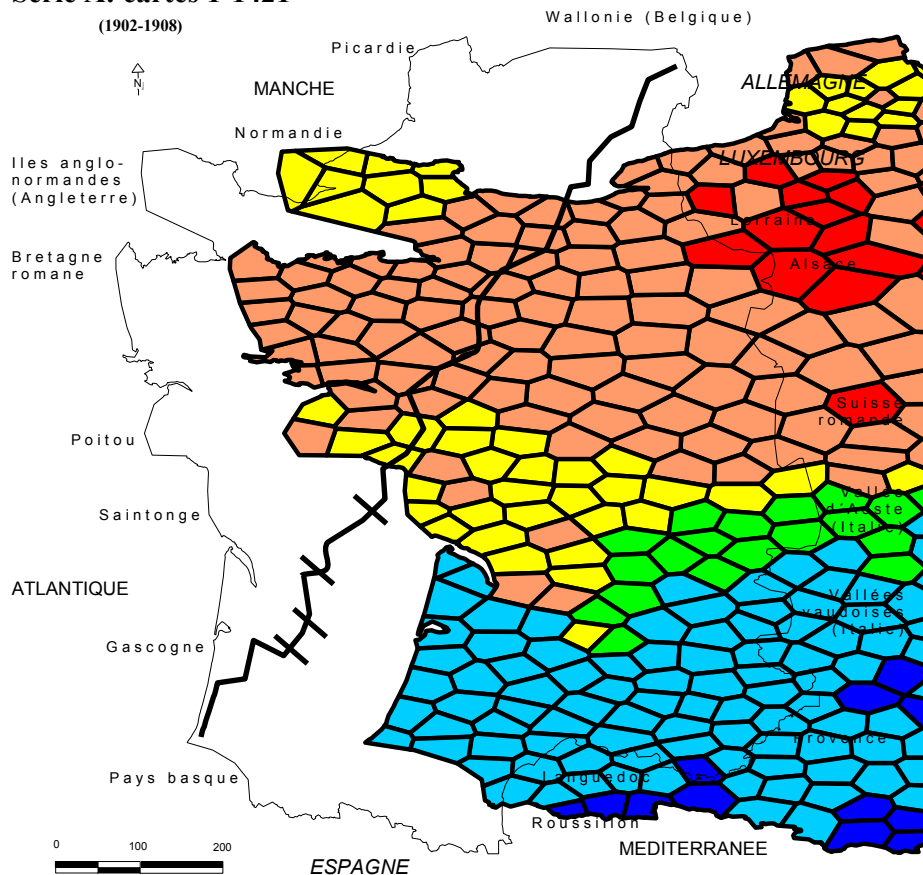
Point de repère: P. 167, Charbogne

Analyse iconique

ALF

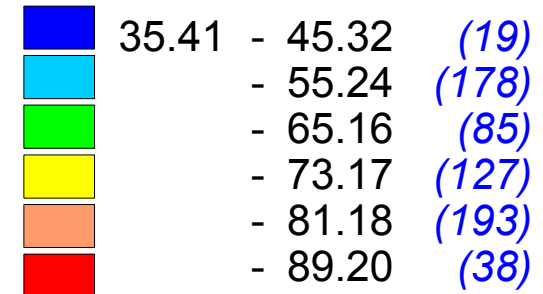
Série A: cartes 1-1421

(1902-1908)

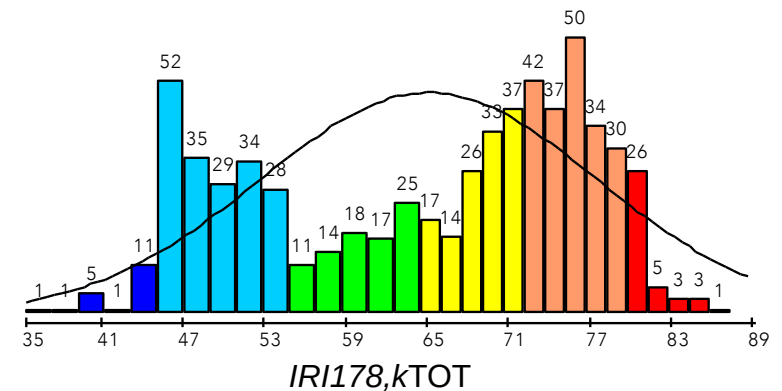


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



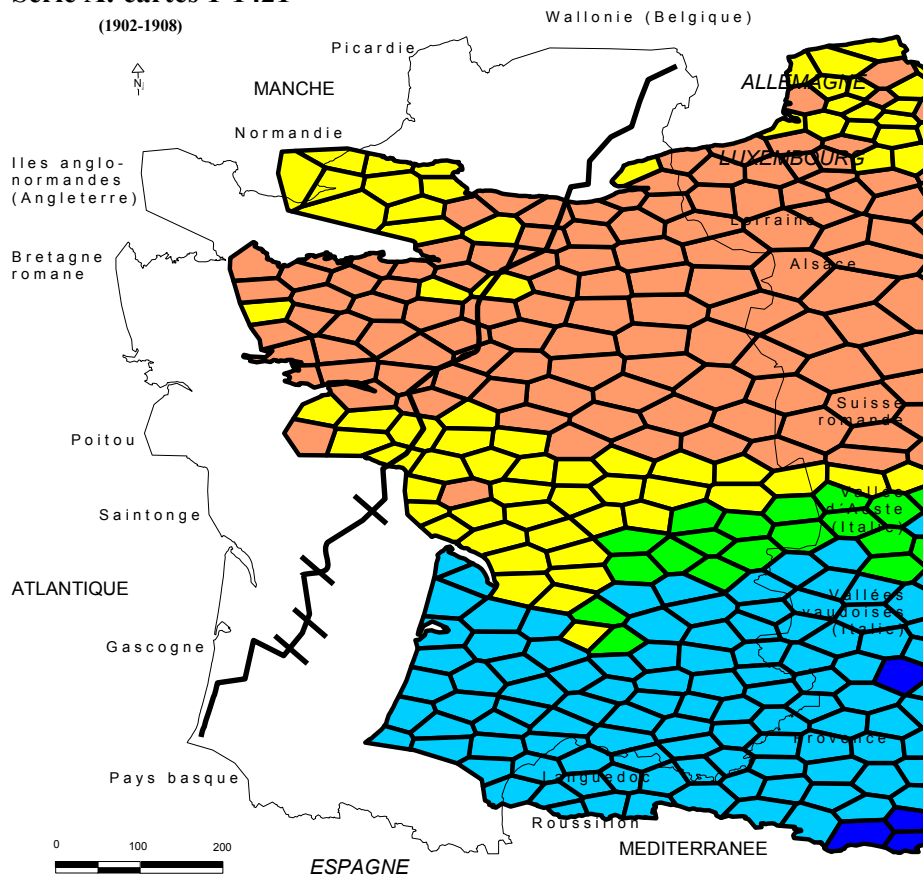
Point de repère: P. 178, Sormonne

Analyse iconique

ALF

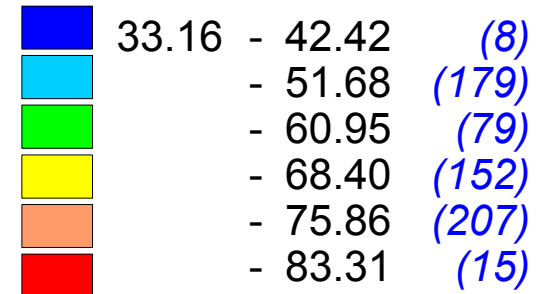
Série A: cartes 1-1421

(1902-1908)

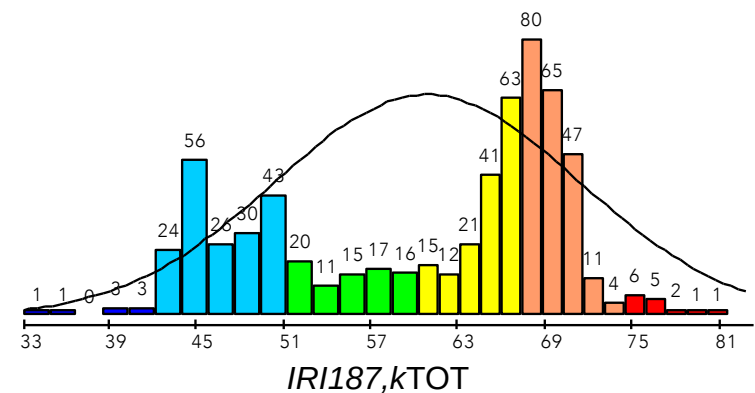


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



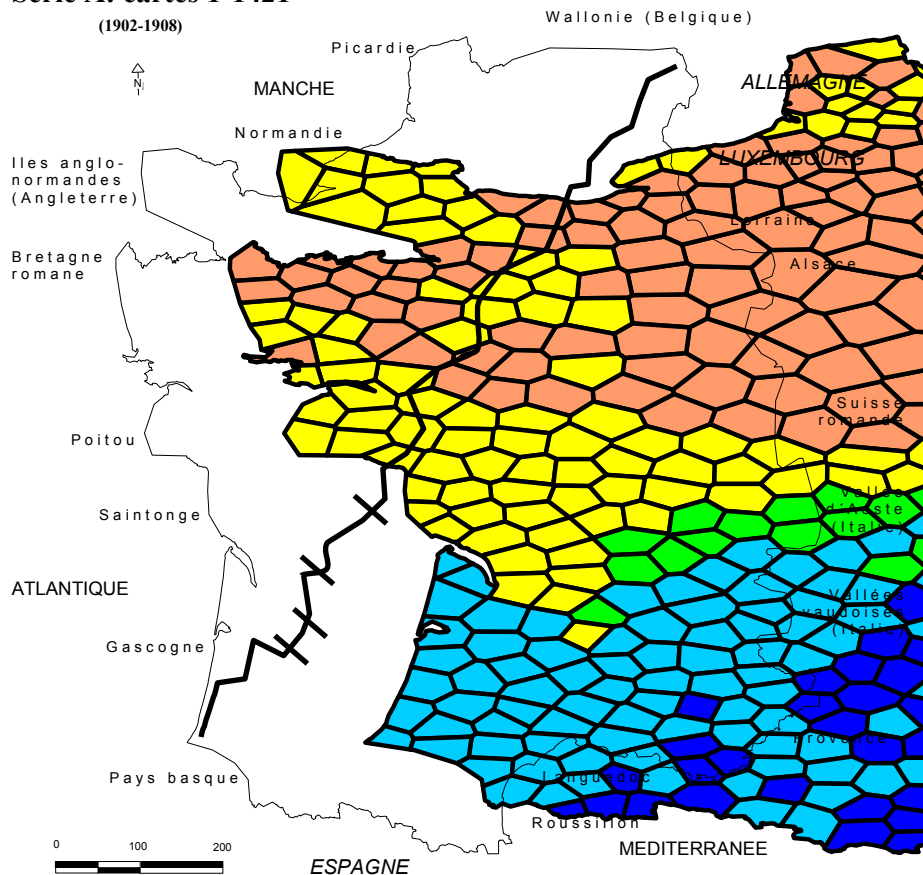
Point de repère: P. 187, Gedinne

Analyse iconique

ALF

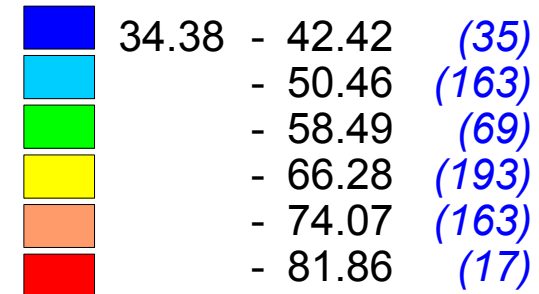
Série A: cartes 1-1421

(1902-1908)

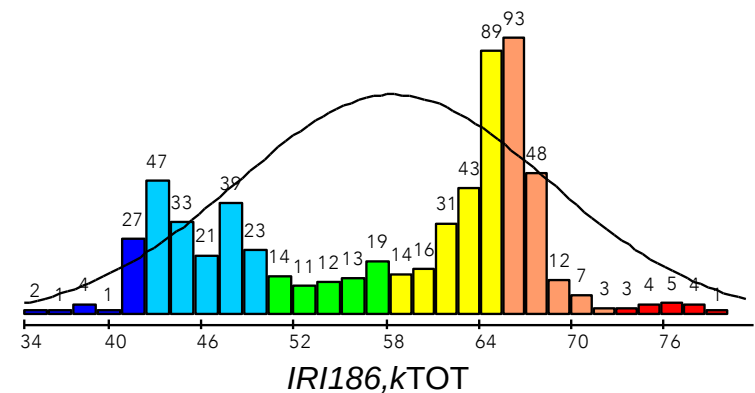


Analyse numérique

Visualisation
MINMWMAX 6-tuple



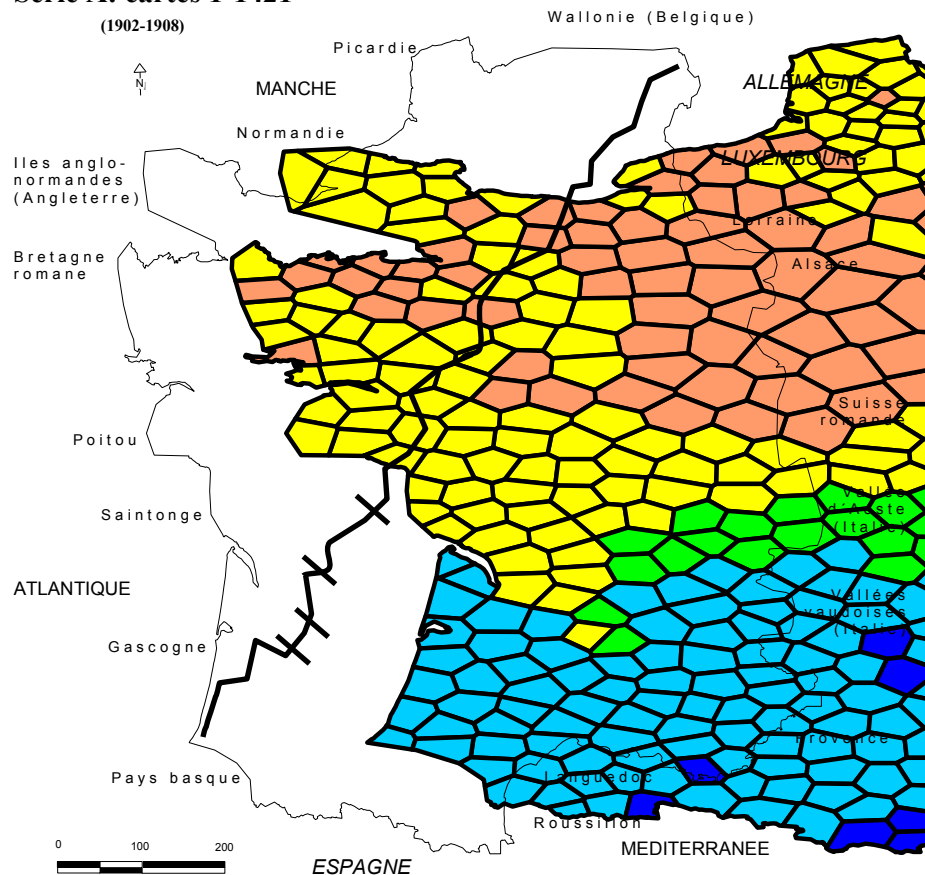
$\Sigma = 640$



Point de repère: P. 186, Grupont

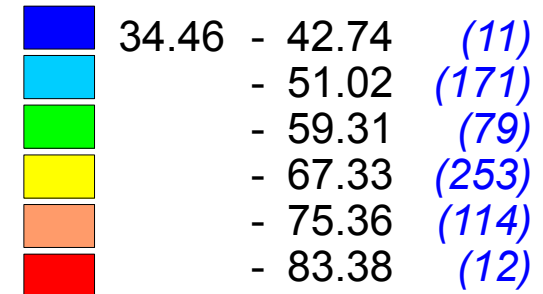
Analyse iconique

ALF Série A: cartes 1-1421 (1902-1908)

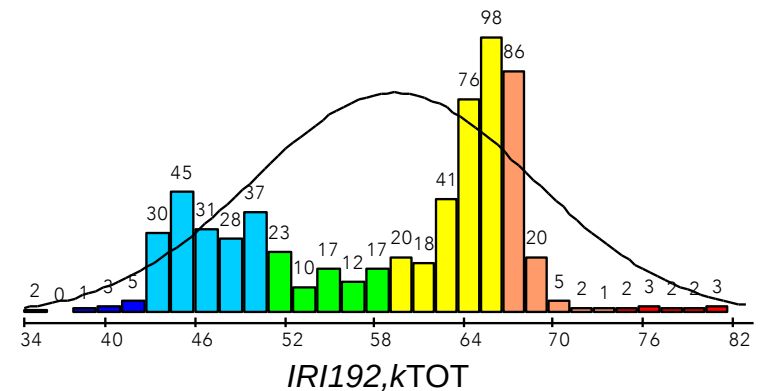


Analyse numérique

Visualisation MINMWMAX 6-tuple



$$\Sigma = 640$$



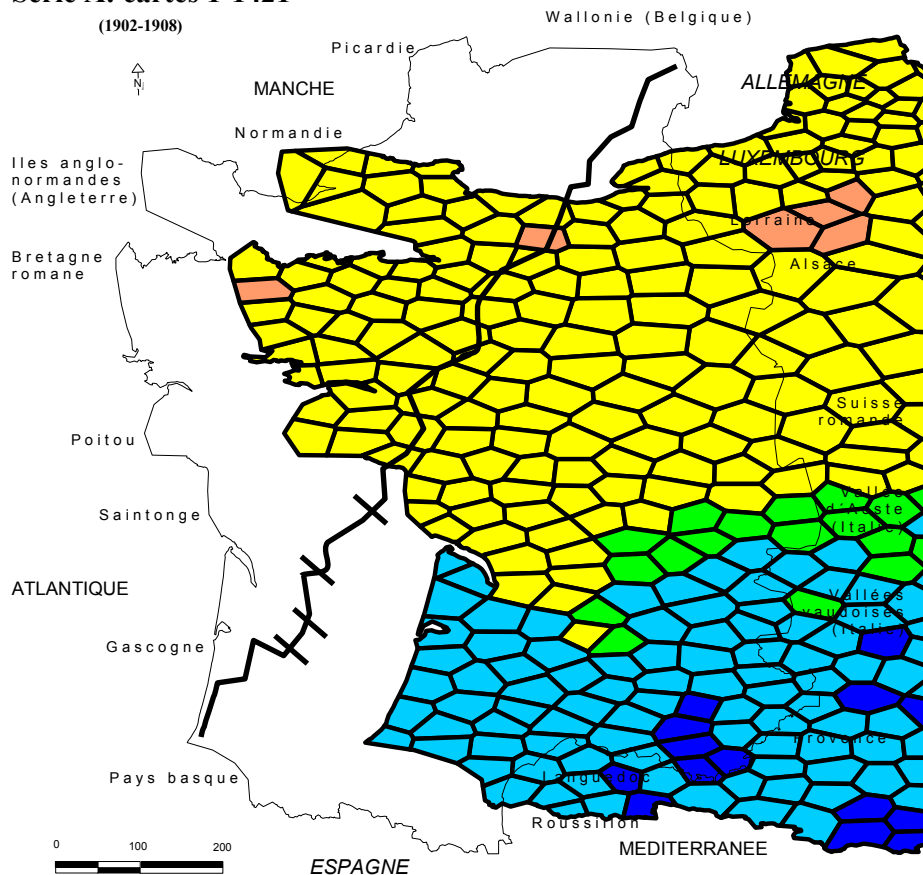
Point de repère: P. 192, Bomal-lez-Derbuy

Analyse iconique

ALF

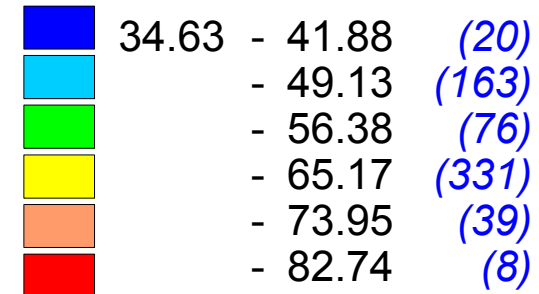
Série A: cartes 1-1421

(1902-1908)

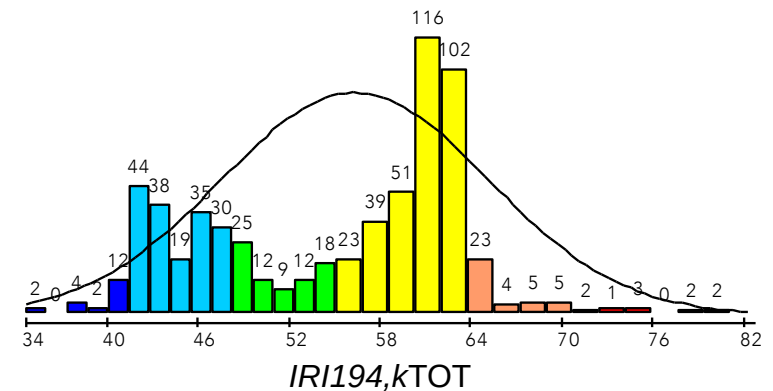


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



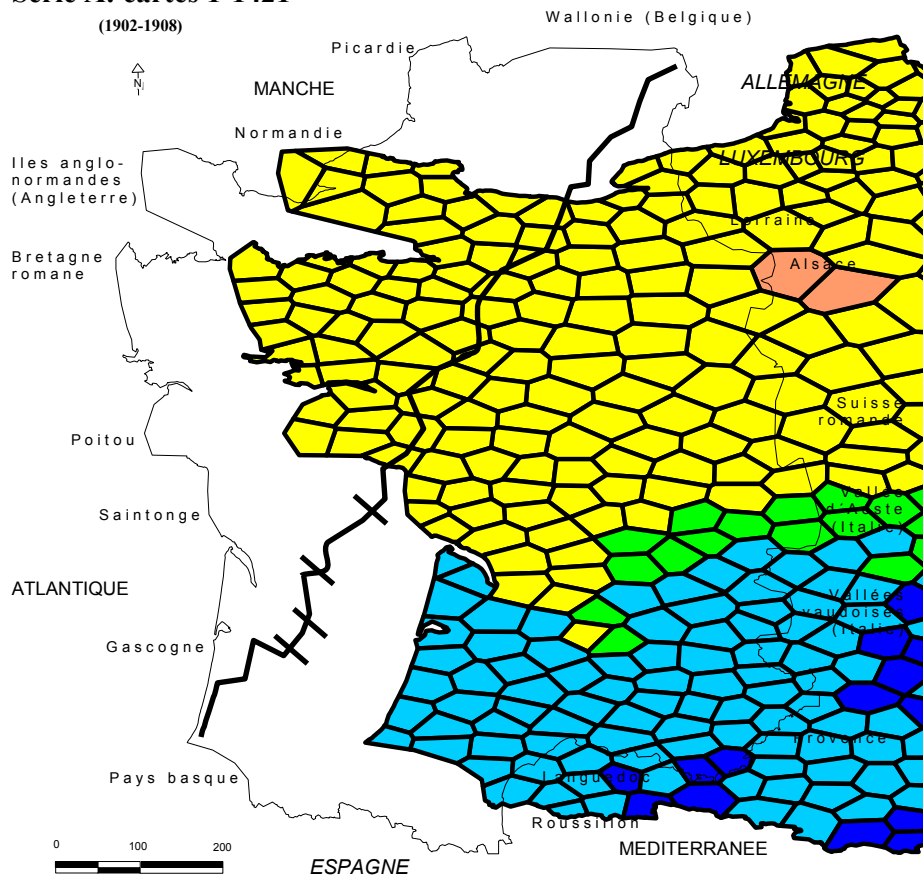
Point de repère: P. 194, Beaufays

Analyse iconique

ALF

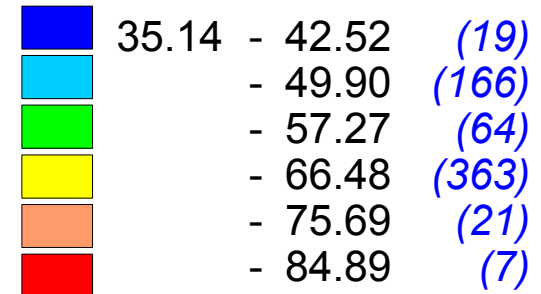
Série A: cartes 1-1421

(1902-1908)

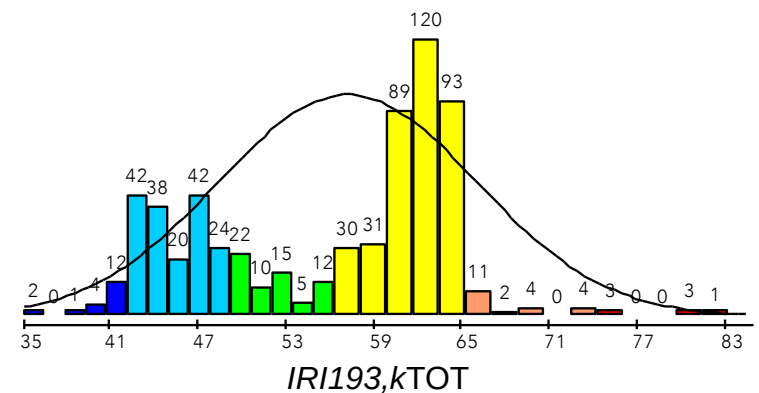


Analyse numérique

Visualisation
MINMWMAX 6-tuple



$\Sigma = 640$



Point de repère: P. 193, Dolhain

Thank you for your most valued
patience and for your attention!

Hans Goebel
(Salzburg University)

`hans.goebel@sbg.ac.at`
<https://www.sbg.ac.at/rom/people/prof/goebel/goebel.htm>