

Cartographie

Sommaire

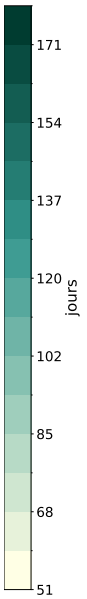
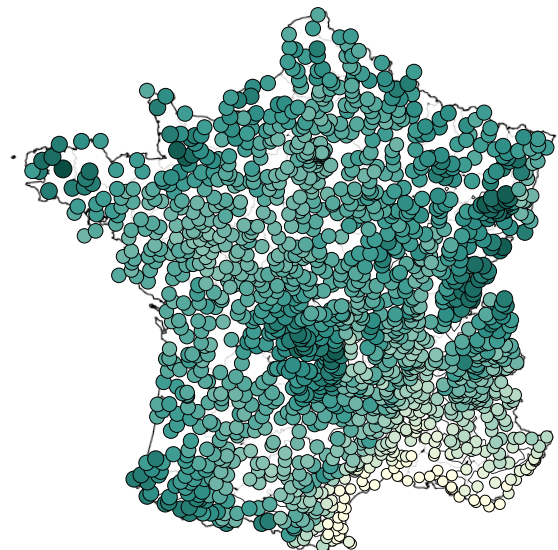
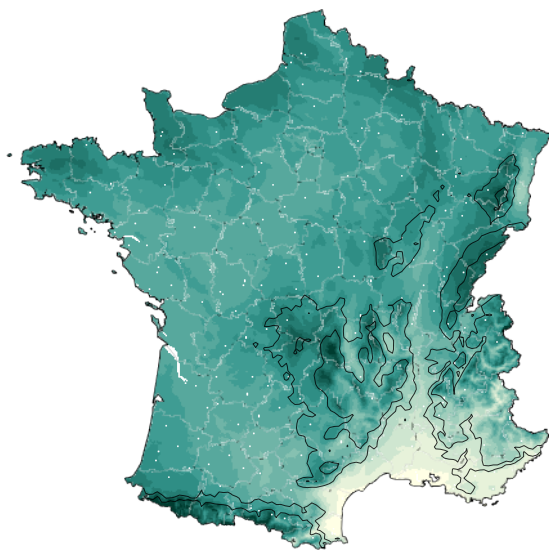
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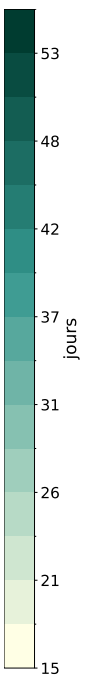
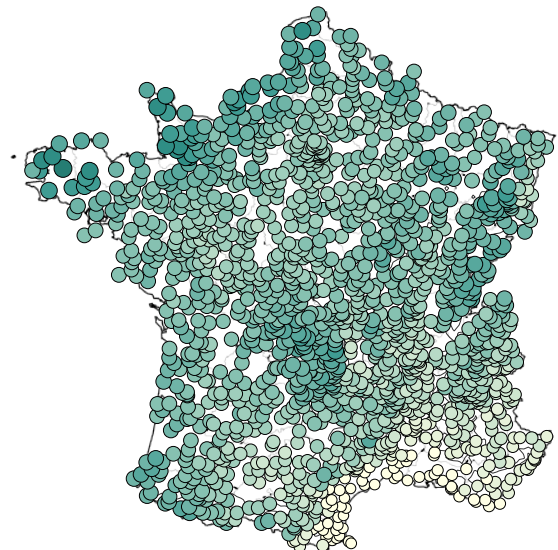
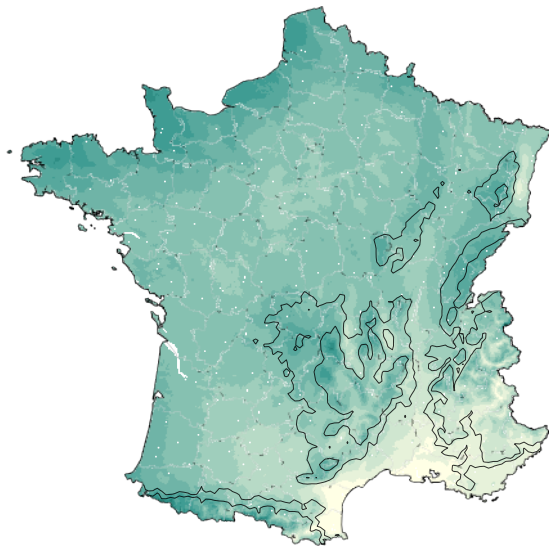
1 Nombre moyen de jour de pluie (seuil 1 mm/j)

1.1 Données journalières (1959-2022)

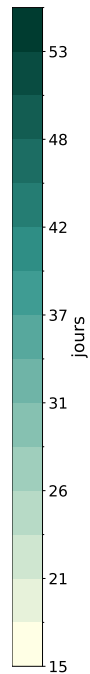
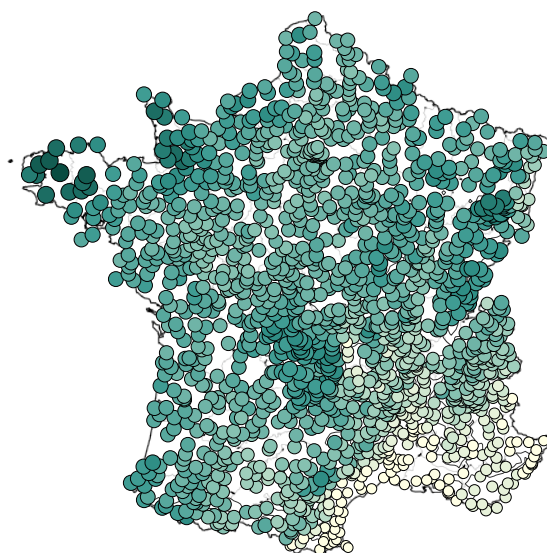
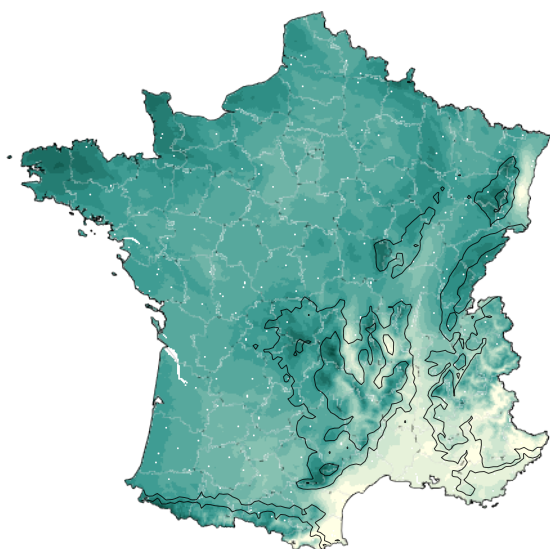
HYDRO
 $r = 0.95$
 $ME = 6.35$
 $n = 1583$



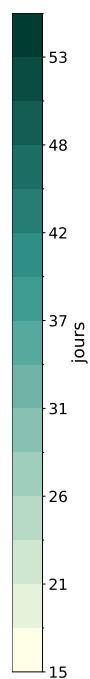
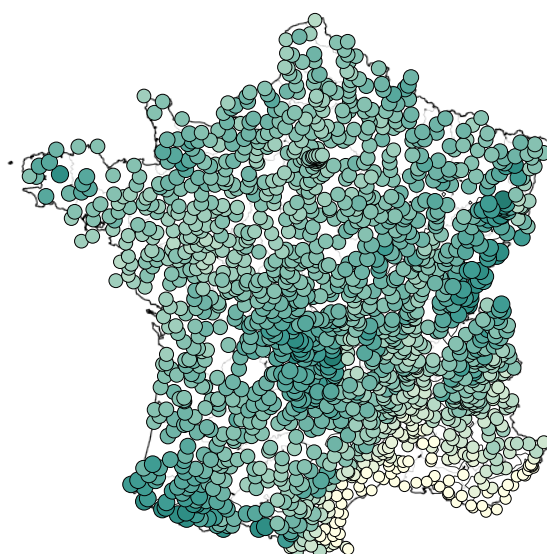
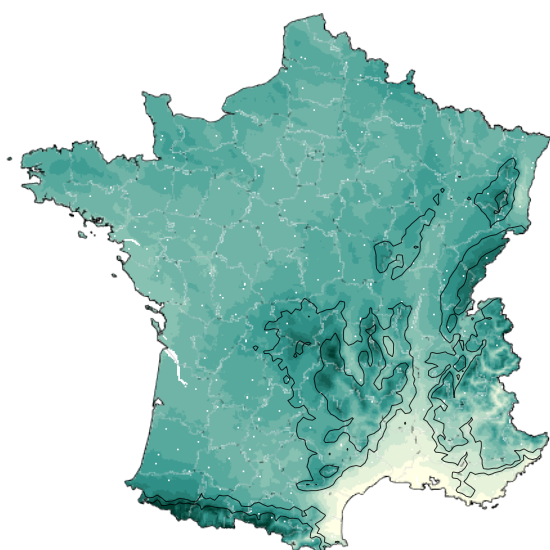
SON
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 $ME = 0.65$
 $n = 1664$



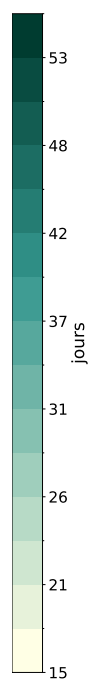
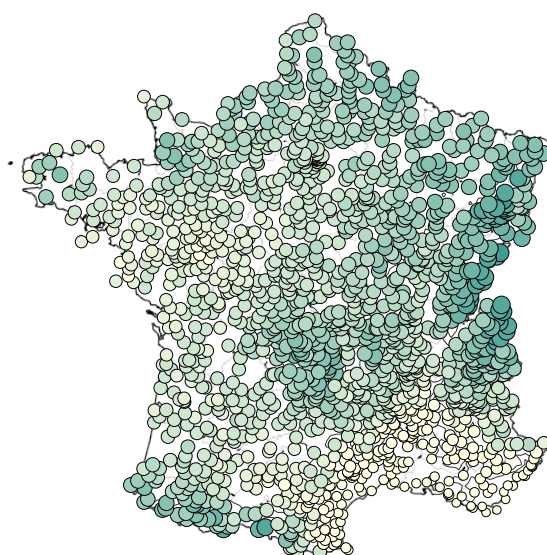
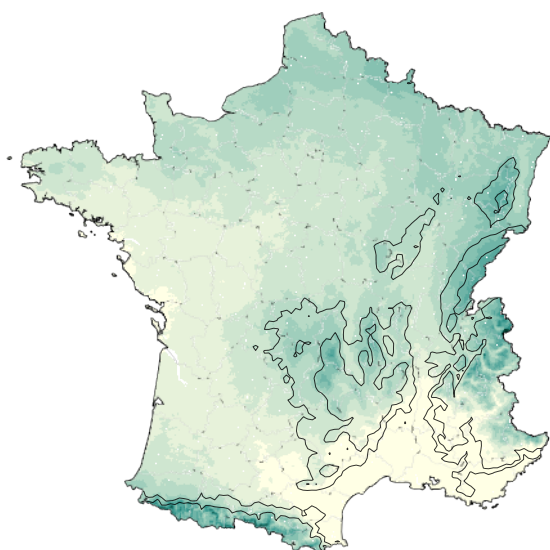
DJF
 $r = 0.95$
 $ME = 2.16$
 $n = 1603$



MAM
 $r = 0.94$
 $ME = 4.16$
 $n = 1650$

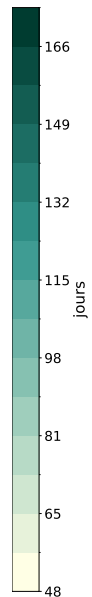
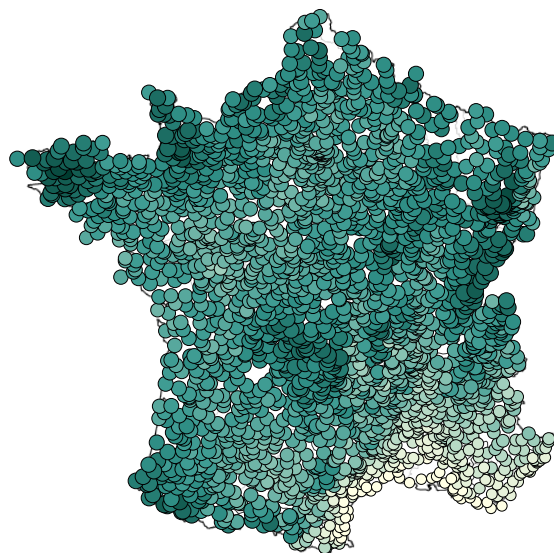
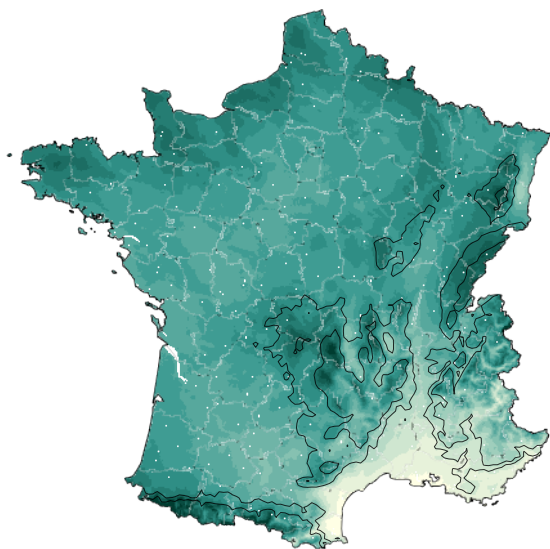


JJA
 $r = 0.96$
 $ME = -0.78$
 $n = 1640$

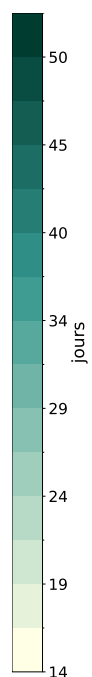
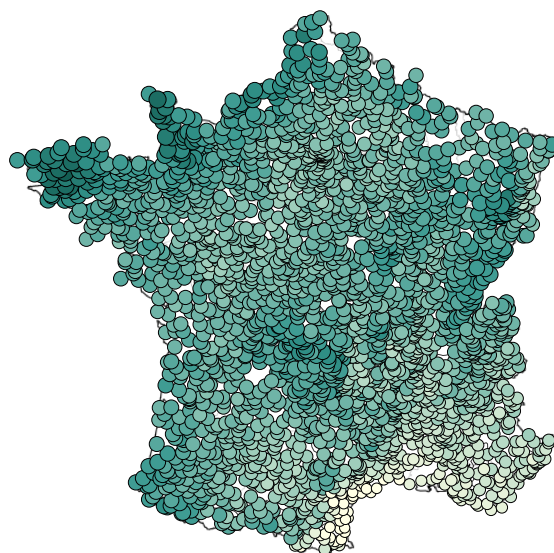
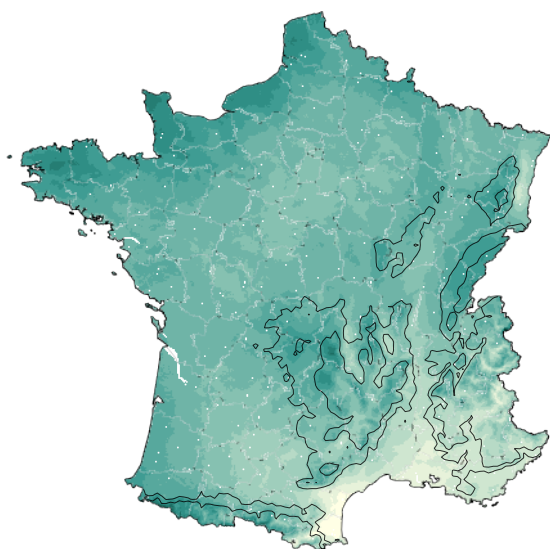


1.2 Données journalières (1990-2022)

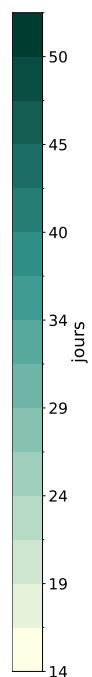
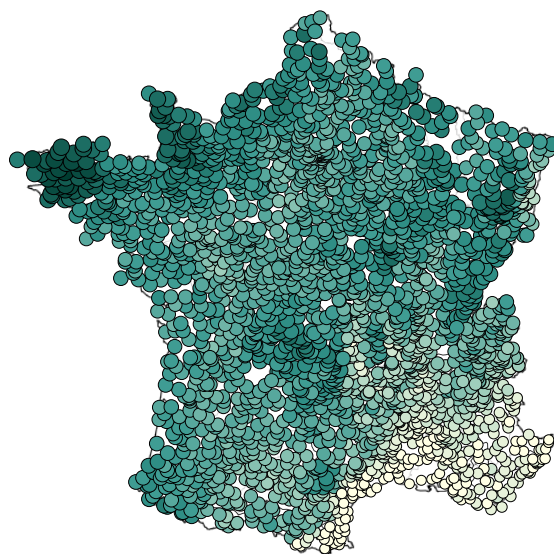
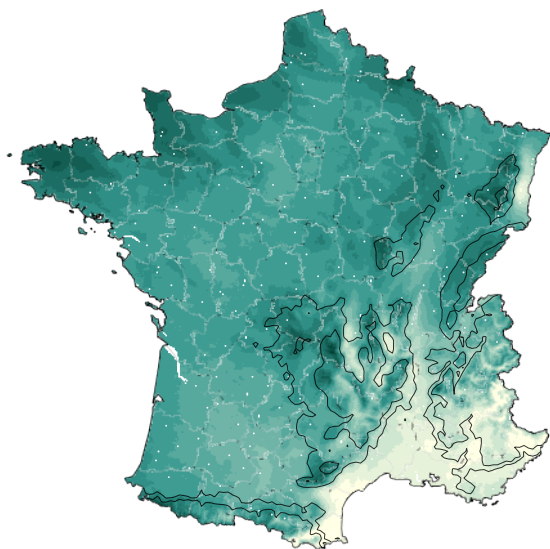
HYDRO
 $r = 0.95$
 $ME = 2.82$
 $n = 2613$



SON
 $r = 0.94$
 $ME = 0.09$
 $n = 2719$



DJF
 $r = 0.95$
 $ME = 1.78$
 $n = 2663$

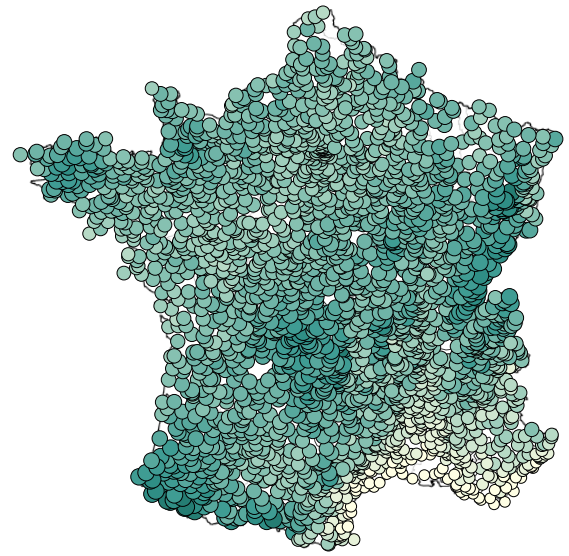
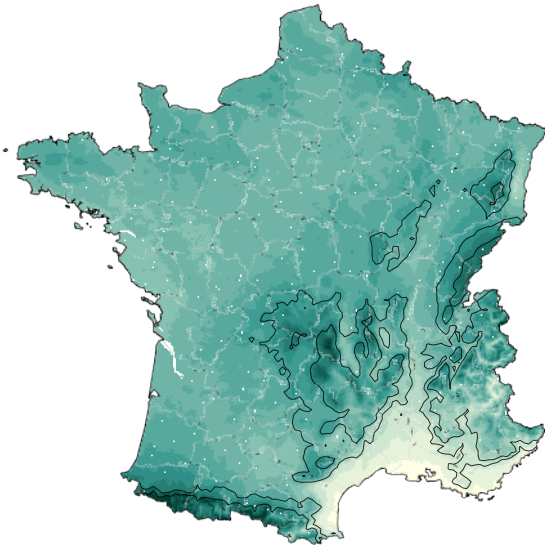


MAM

$r = 0.92$

ME = 2.93

$n = 2729$



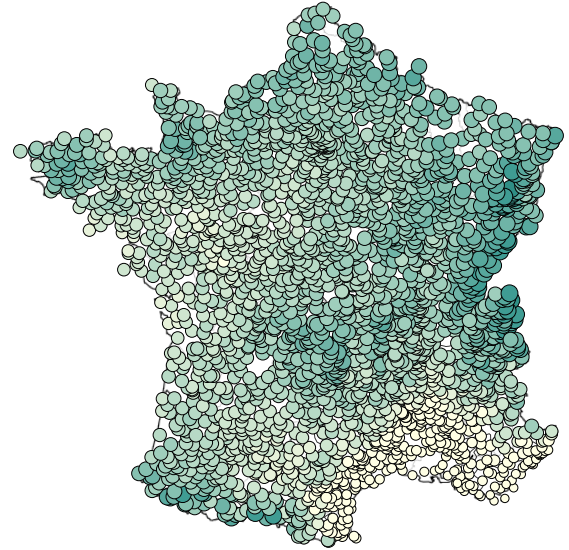
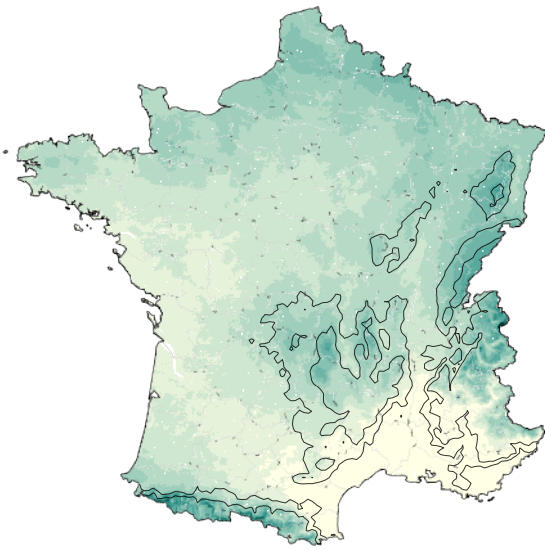
jours
50
45
40
34
29
24
19
14

JJA

$r = 0.96$

ME = -1.95

$n = 2718$



jours
50
45
40
34
29
24
19
14

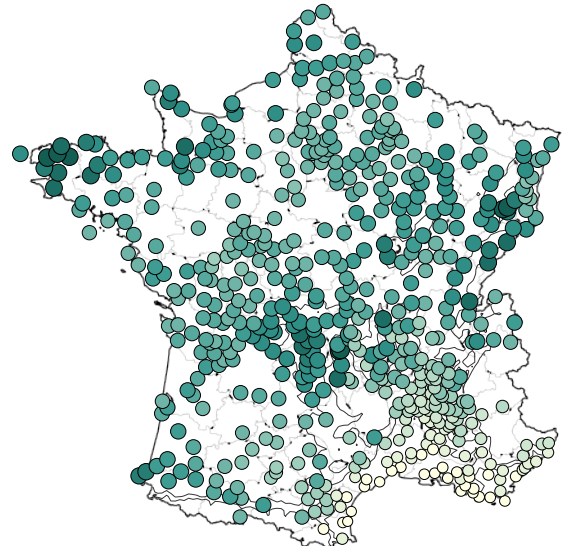
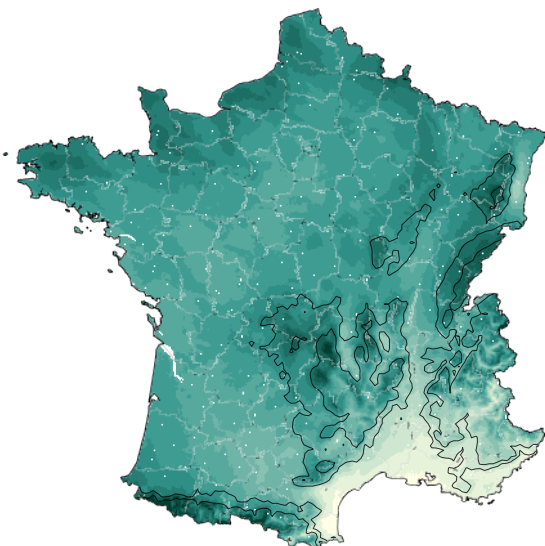
1.3 Données horaires (1990-2022)

HYDRO

$r = 0.96$

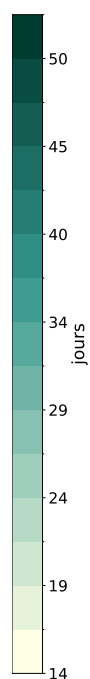
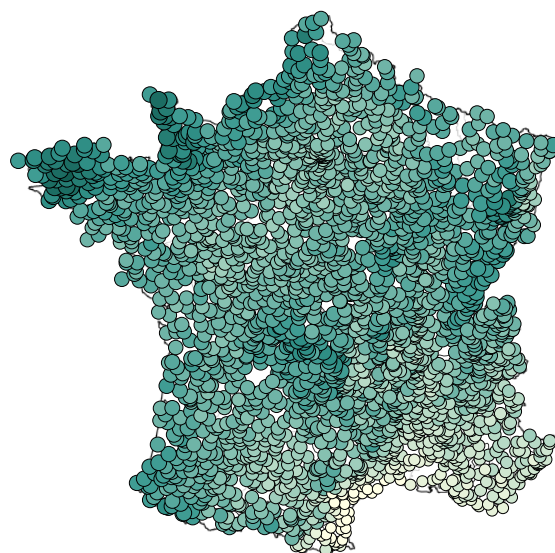
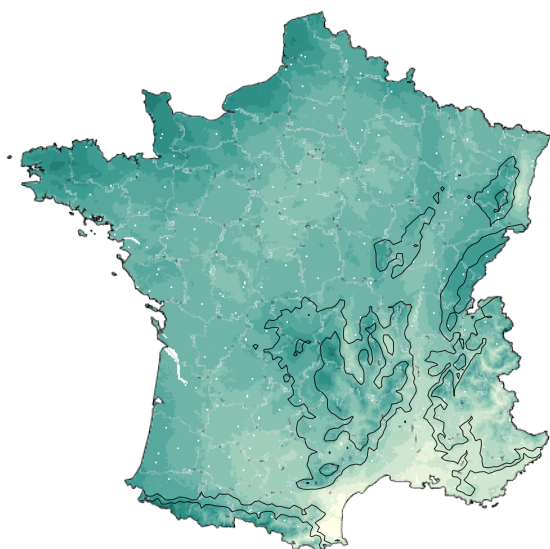
ME = 8.47

$n = 574$

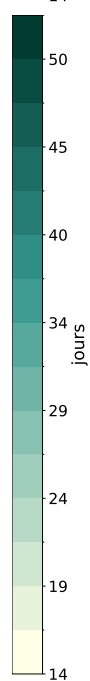
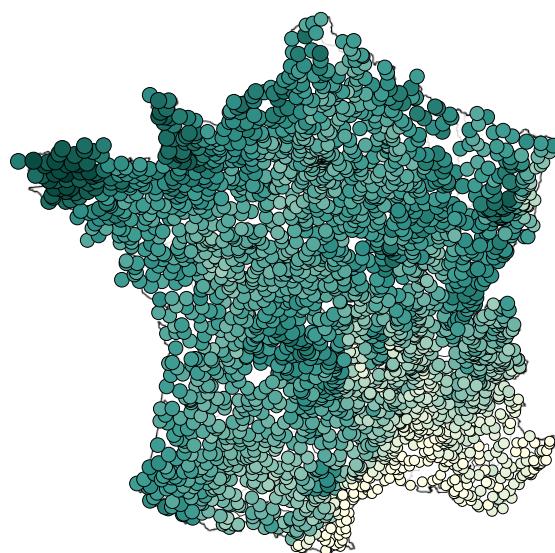
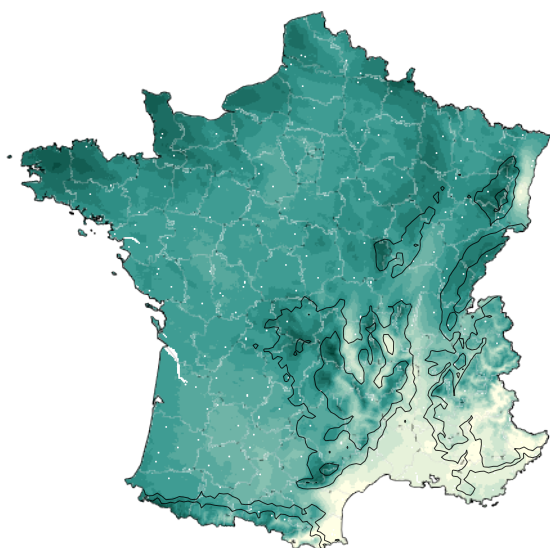


jours
166
149
132
115
98
81
65
48

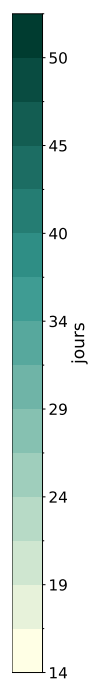
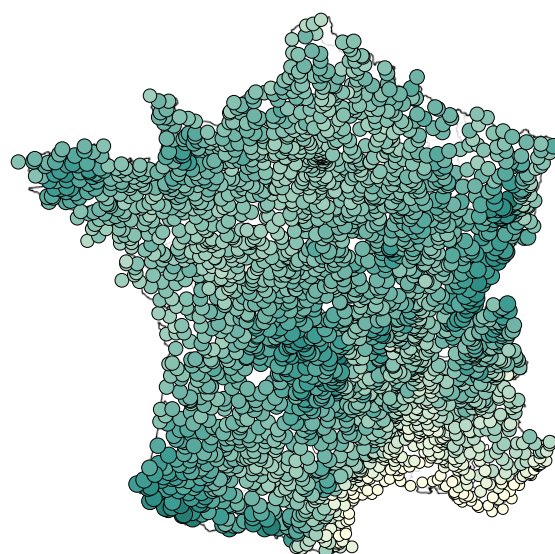
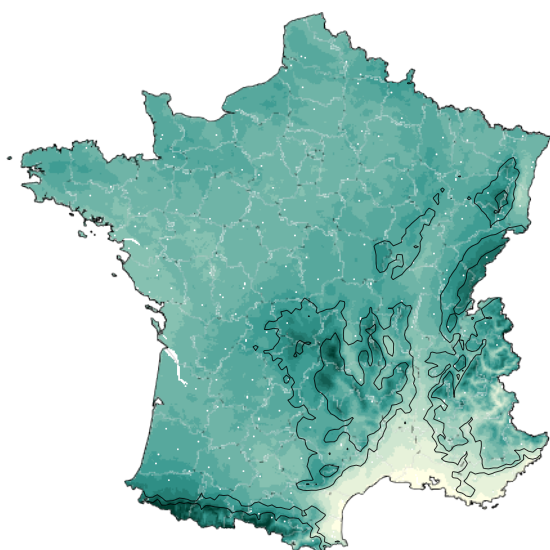
SON
 $r = 0.94$
 $ME = 0.09$
 $n = 2719$



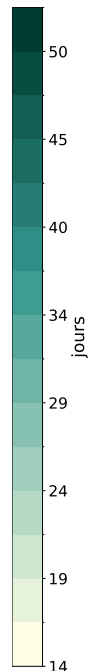
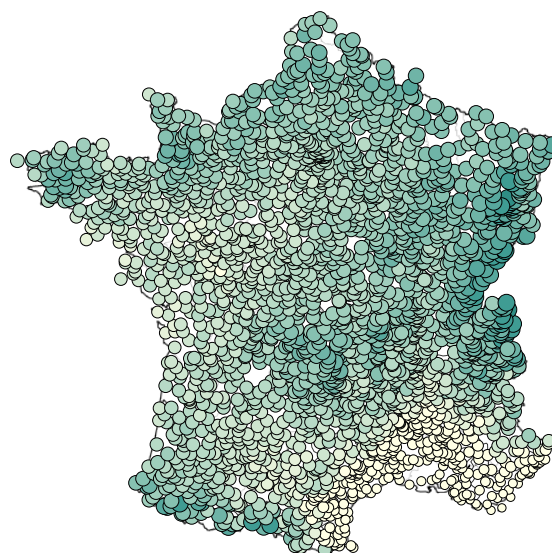
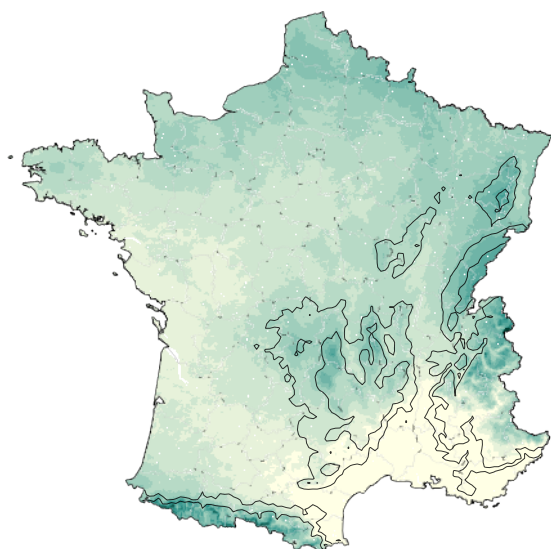
DJF
 $r = 0.95$
 $ME = 1.78$
 $n = 2663$



MAM
 $r = 0.92$
 $ME = 2.93$
 $n = 2729$



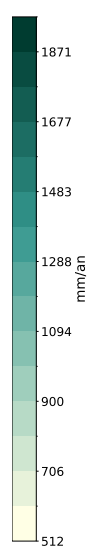
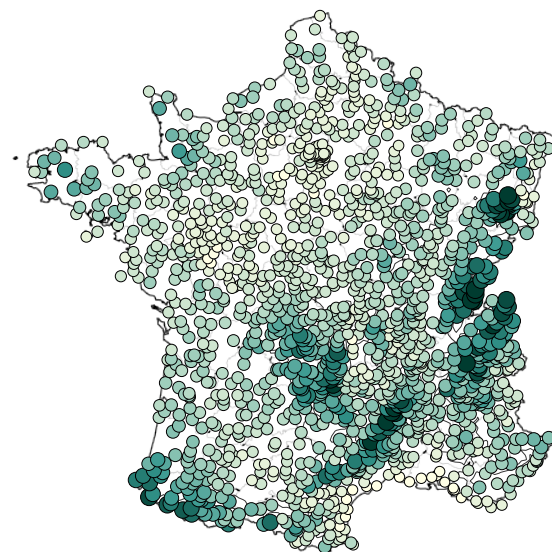
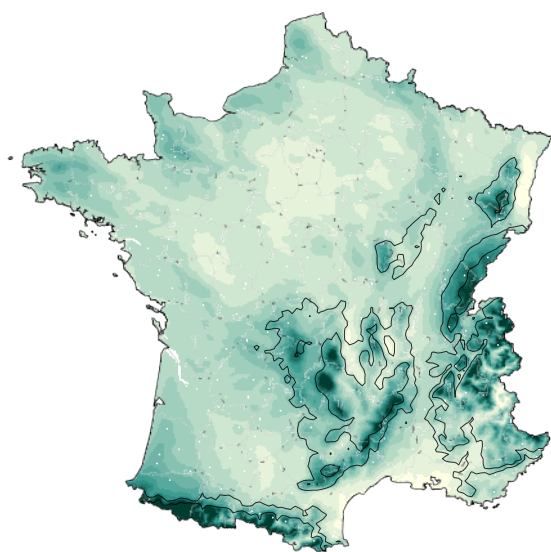
JJA
 $r = 0.96$
 $ME = -1.95$
 $n = 2718$



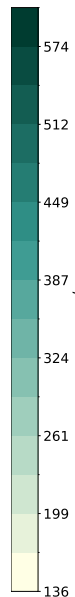
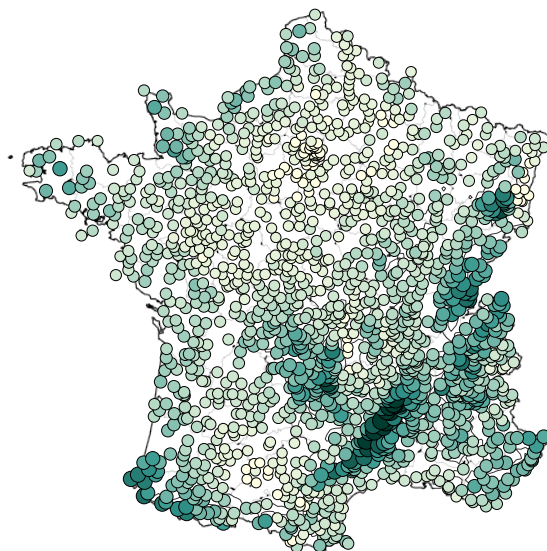
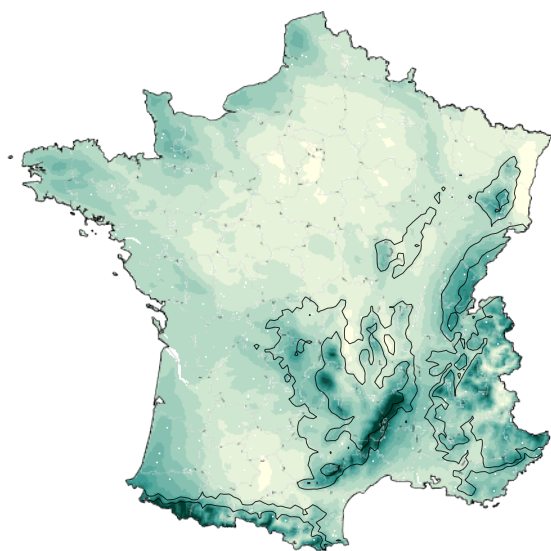
2 Cumul moyen des précipitations par année hydrologique

2.1 Données journalières (1959-2022)

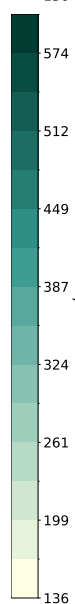
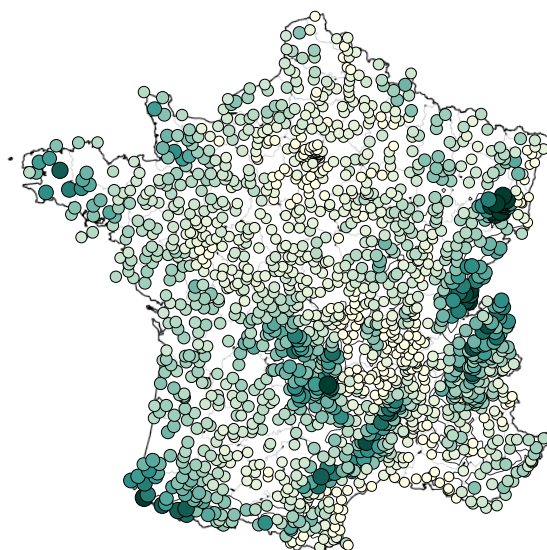
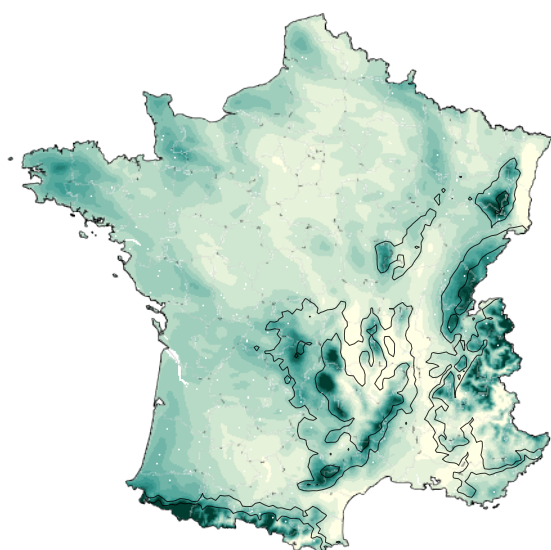
HYDRO
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 $ME = 11.48$
 $n = 1583$



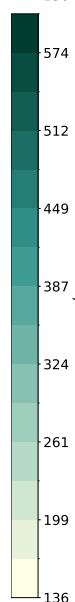
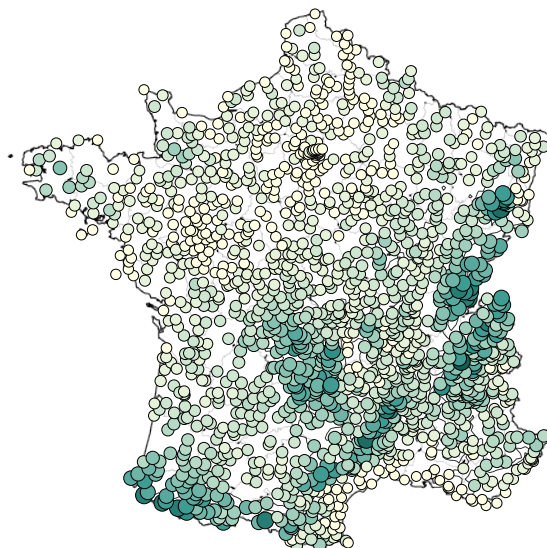
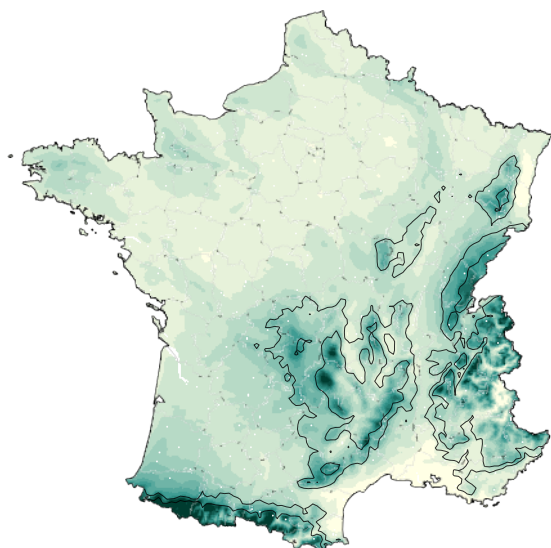
SON
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 $ME = -3.21$
 $n = 1664$



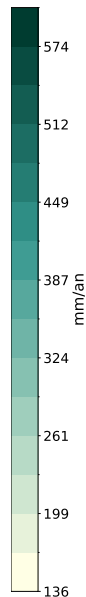
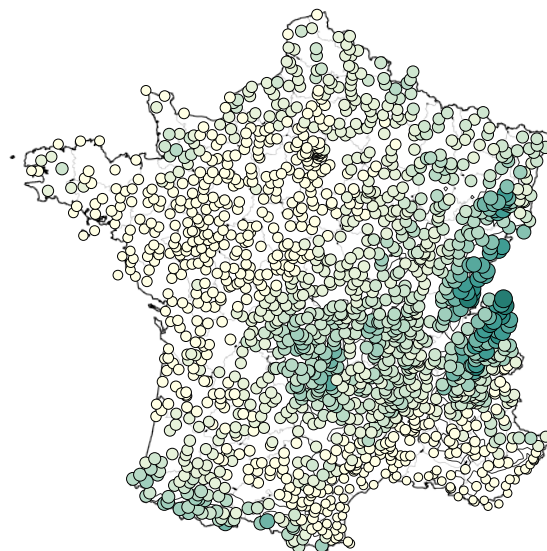
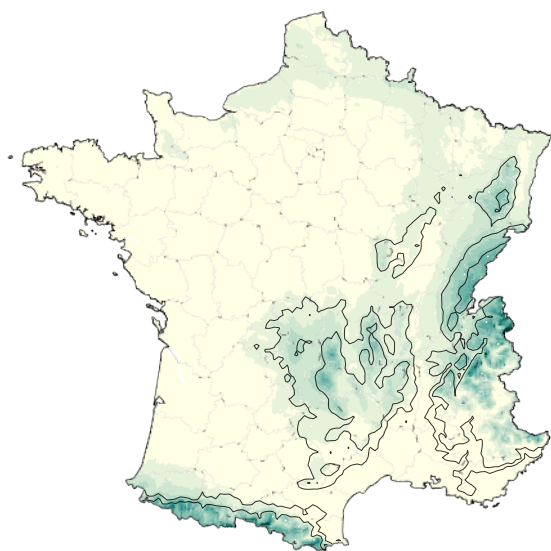
DJF
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 $n = 1603$



MAM
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 $ME = 23.39$
 $n = 1650$

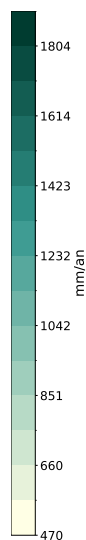
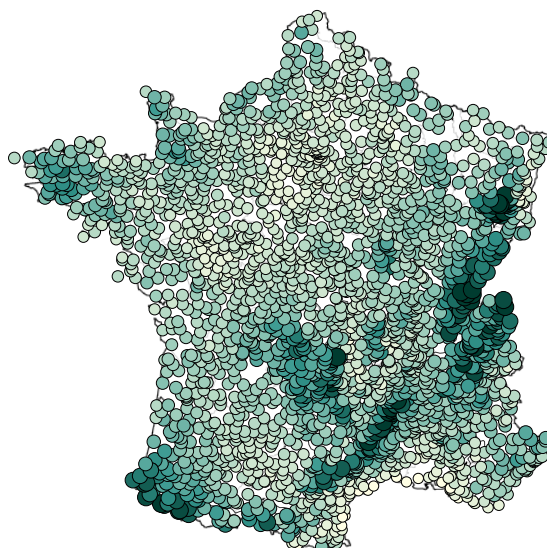
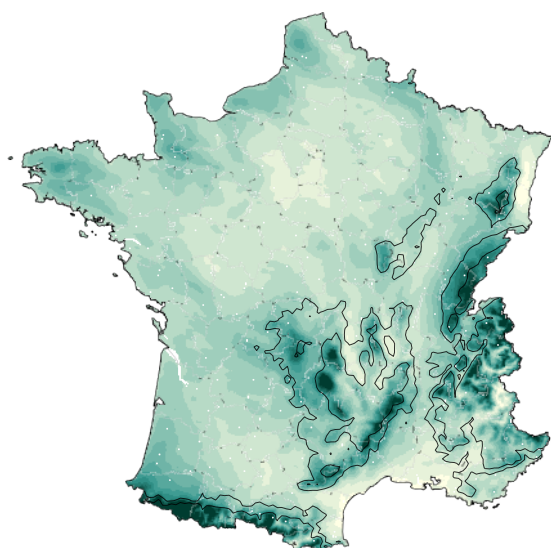


JJA
 $r = 0.94$
 $ME = -21.75$
 $n = 1640$

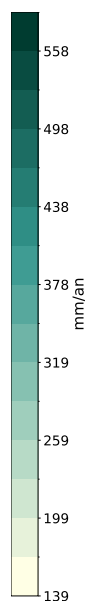
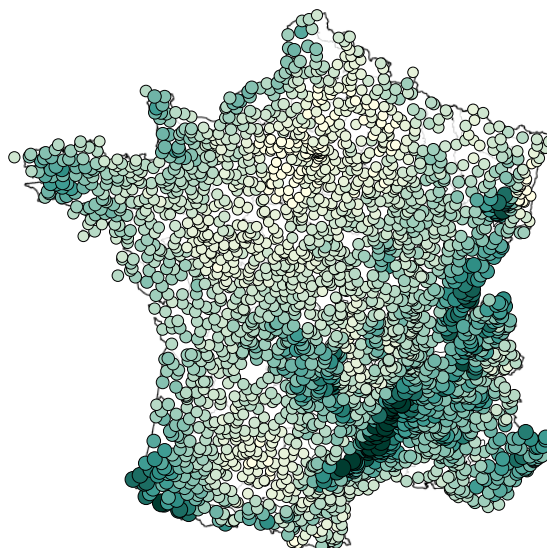
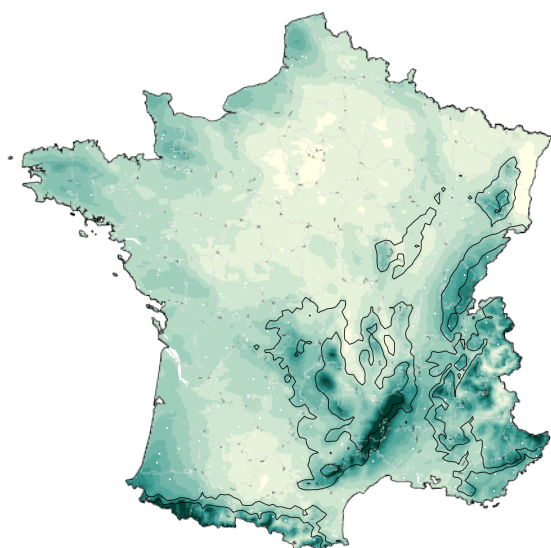


2.2 Données journalières (1990-2022)

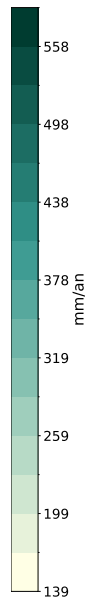
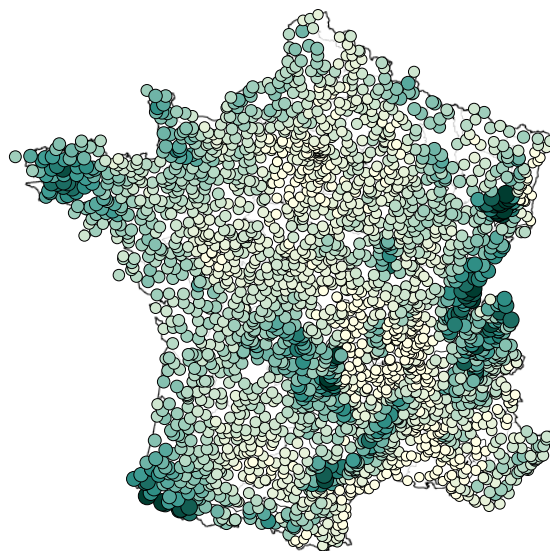
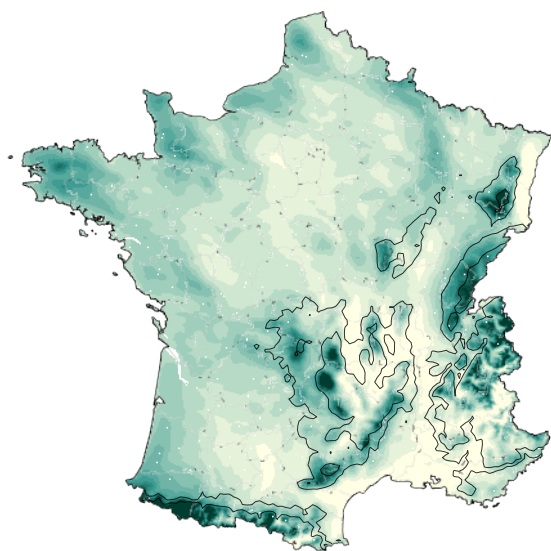
HYDRO
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 $ME = -22.88$
 $n = 2613$



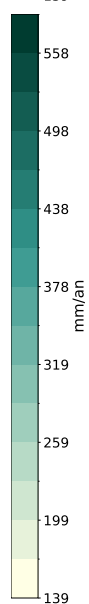
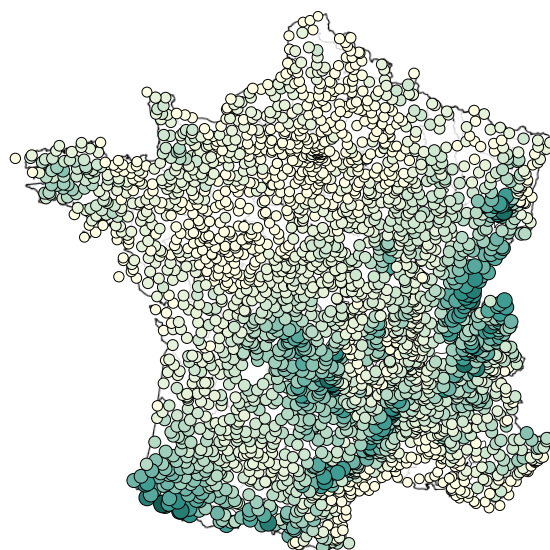
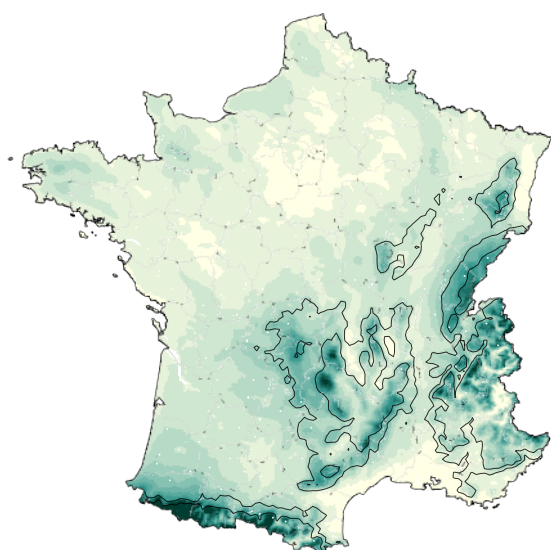
SON
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 $ME = -10.16$
 $n = 2719$



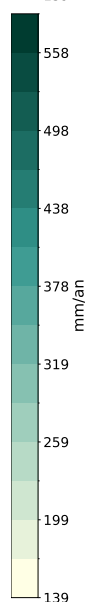
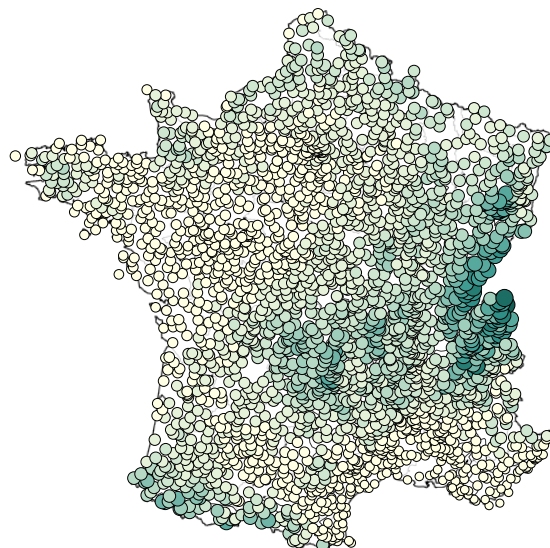
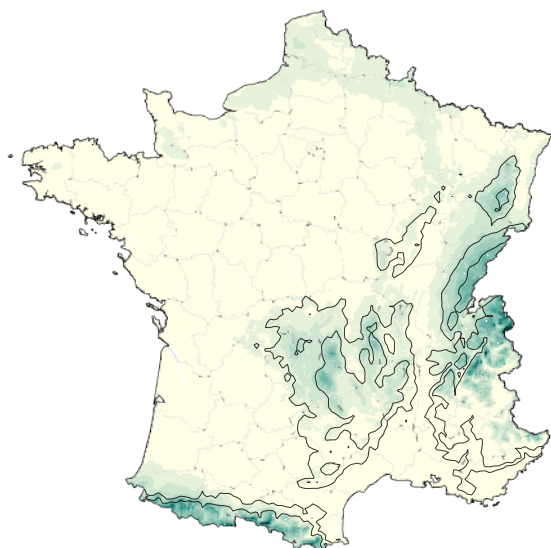
DJF
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 $ME = 9.27$
 $n = 2663$



MAM
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 $ME = 12.82$
 $n = 2729$

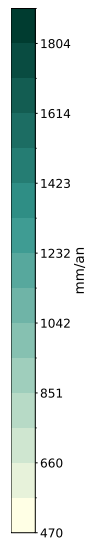
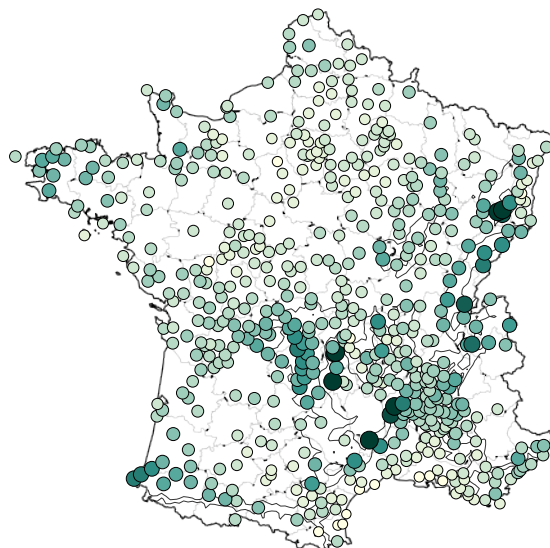
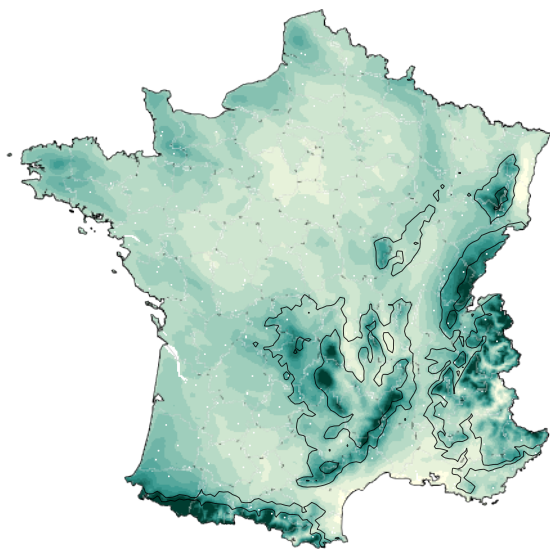


JJA
 $r = 0.94$
 $ME = -33.34$
 $n = 2718$

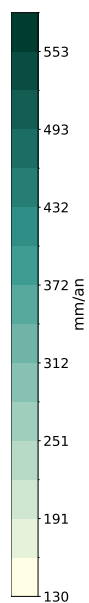
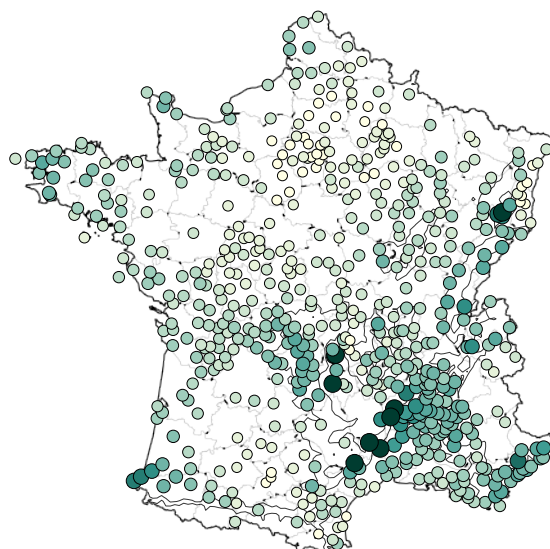
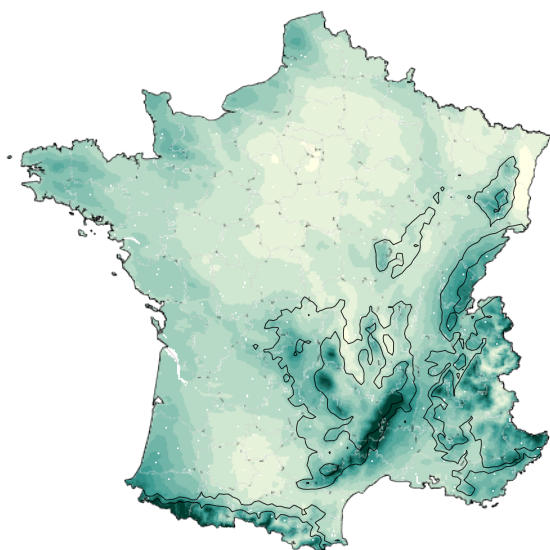


2.3 Données horaires (1990-2022)

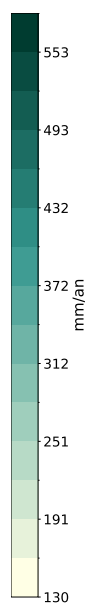
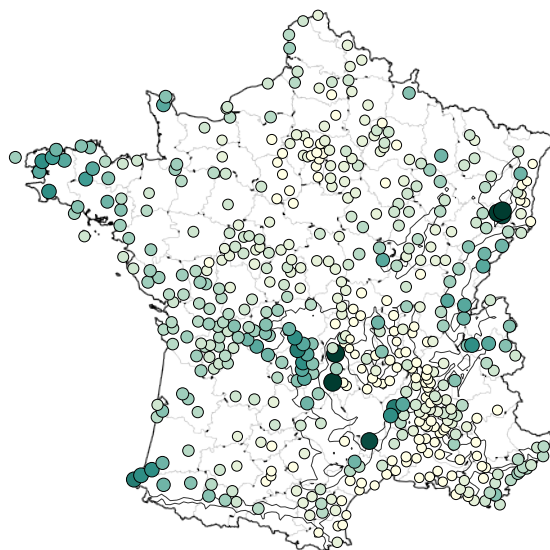
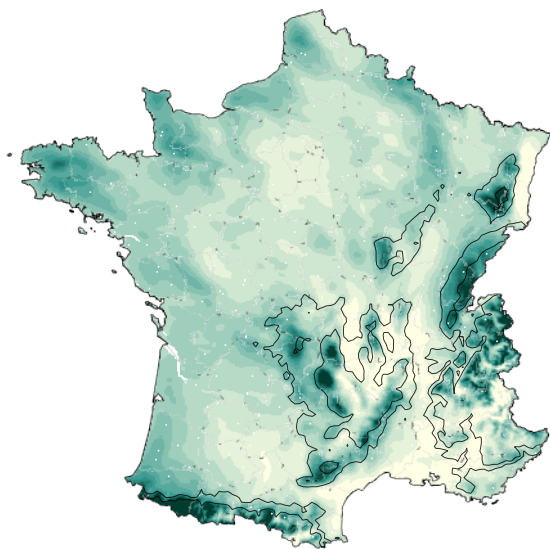
HYDRO
 $r = 0.94$
ME = 22.67
 $n = 574$



SON
 $r = 0.94$
ME = 5.82
 $n = 609$



DJF
 $r = 0.92$
ME = 20.54
 $n = 511$

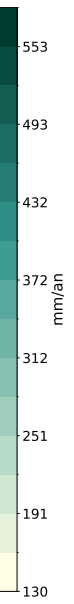
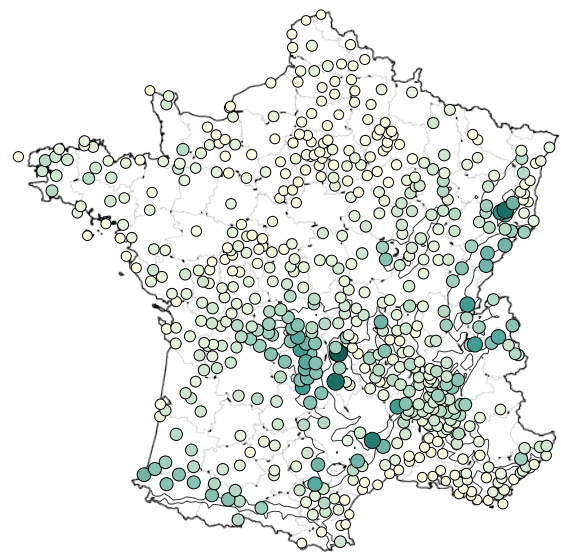
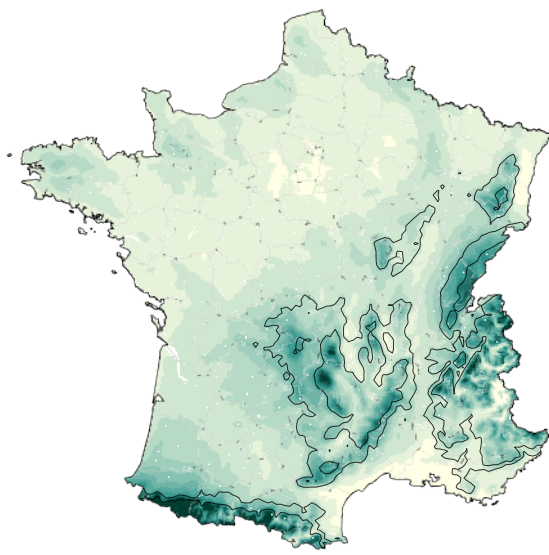


MAM

$r = 0.94$

$ME = 18.02$

$n = 589$

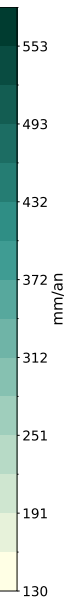
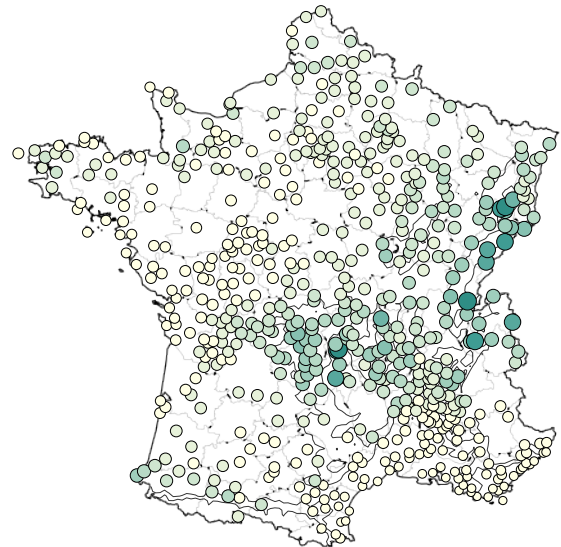
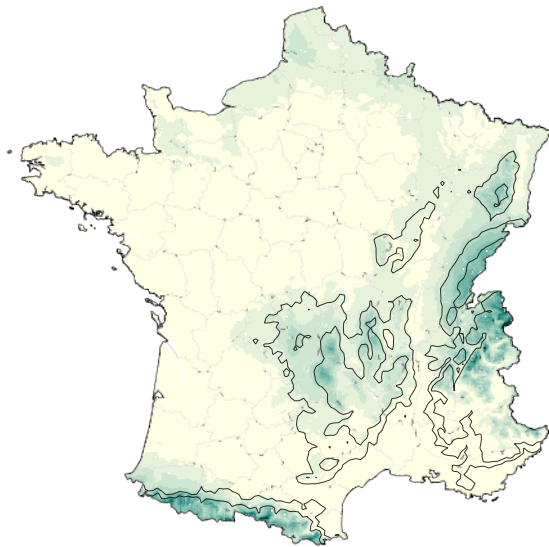


JJA

$r = 0.96$

$ME = -25.89$

$n = 606$



3 Moyenne des maxima des précipitations

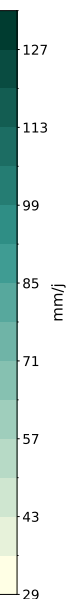
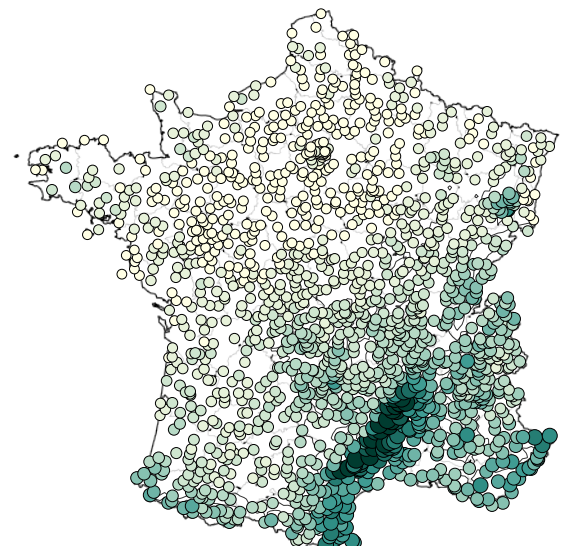
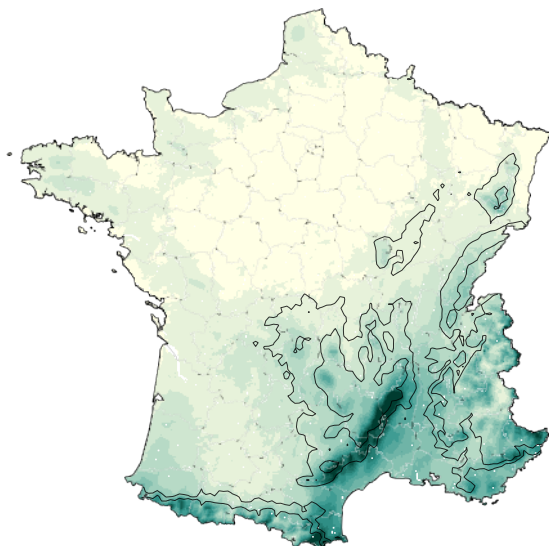
3.1 Données journalières (1959-2022)

HYDRO

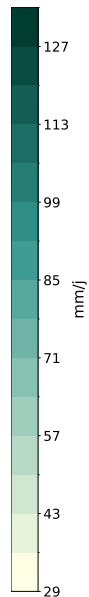
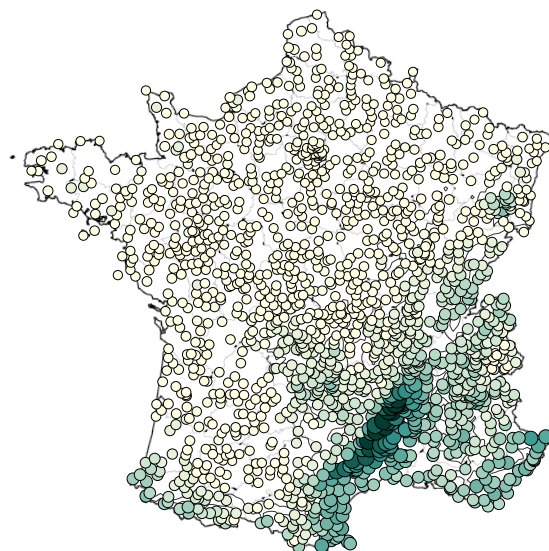
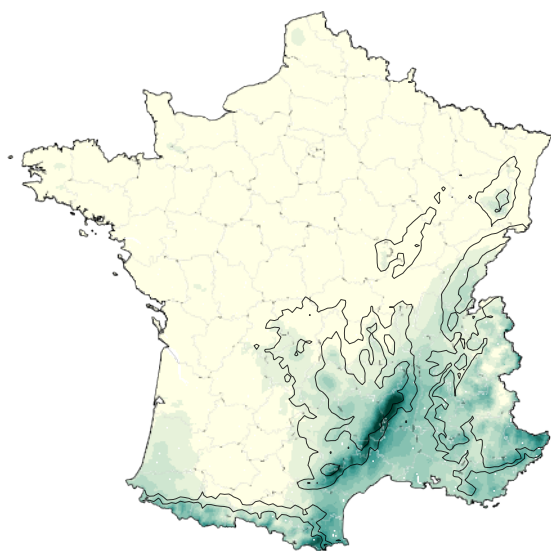
$r = 0.96$

$ME = -1.18$

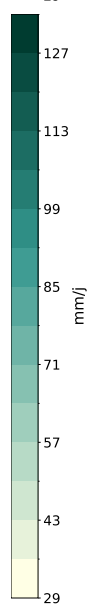
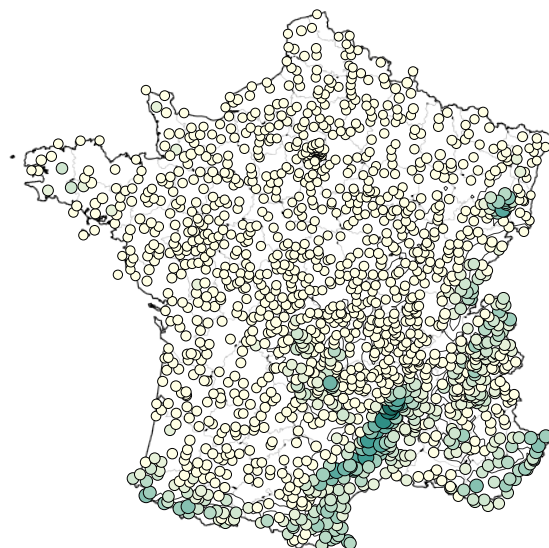
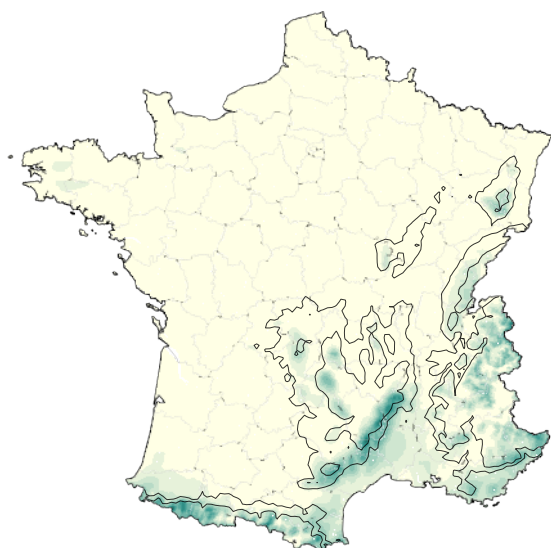
$n = 1583$



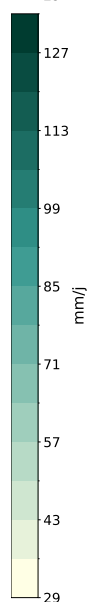
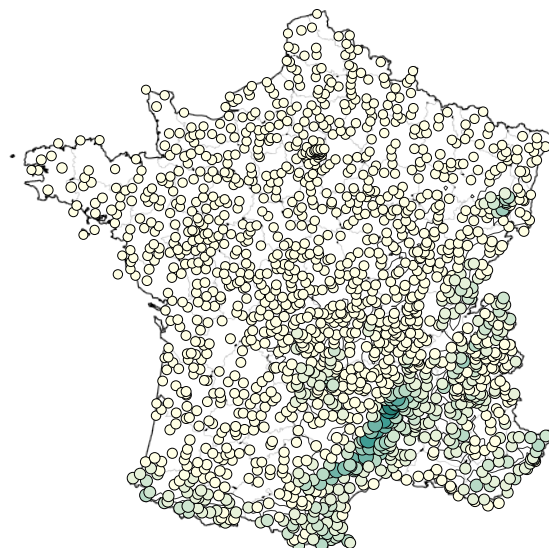
SON
 $r = 0.97$
 $ME = -0.41$
 $n = 1664$



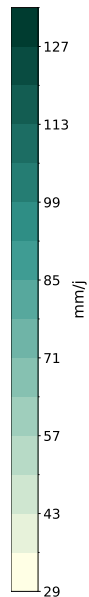
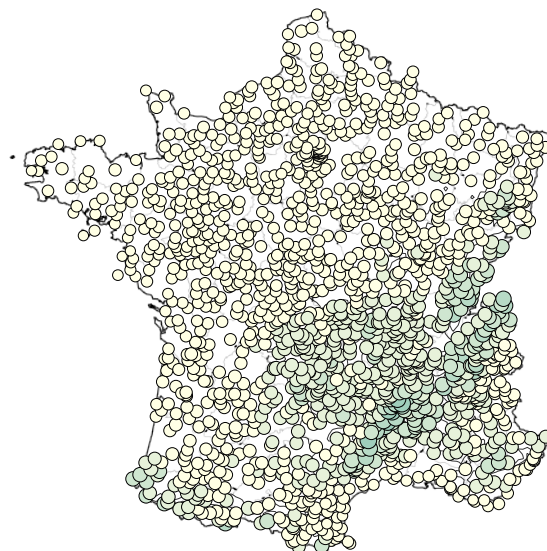
DJF
 $r = 0.96$
 $ME = 0.01$
 $n = 1603$



MAM
 $r = 0.95$
 $ME = -0.02$
 $n = 1650$

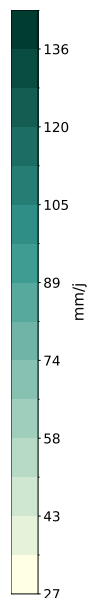
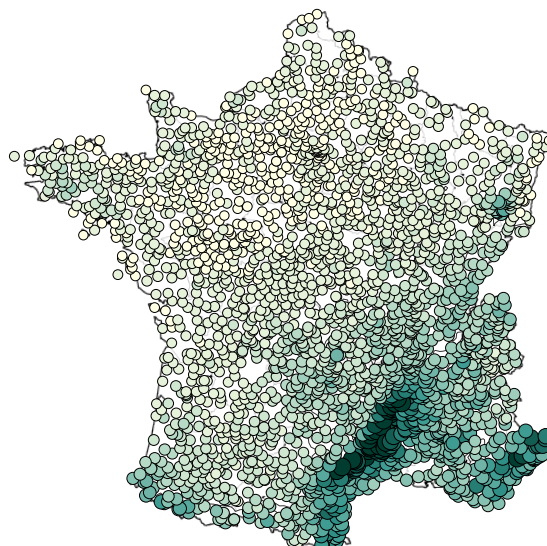
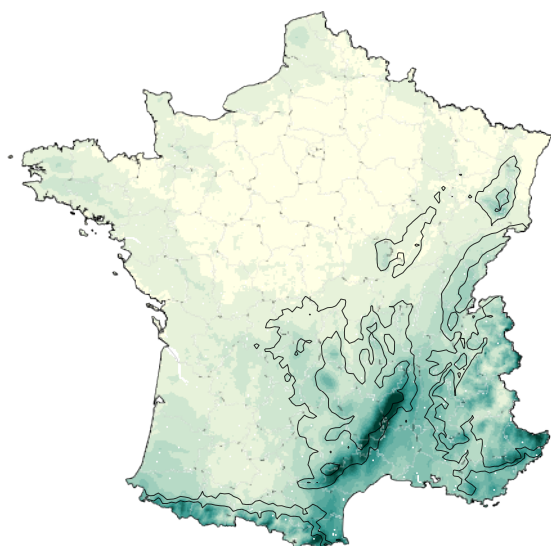


JJA
 $r = 0.87$
 $ME = -3.05$
 $n = 1640$

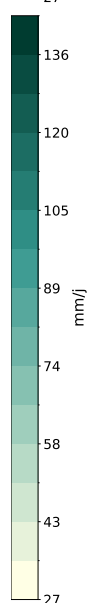
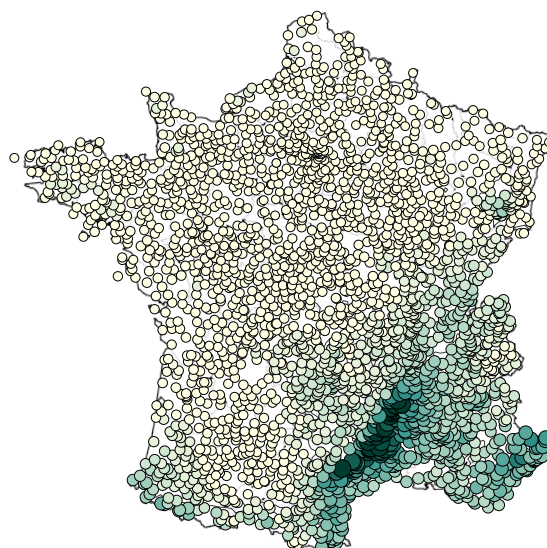
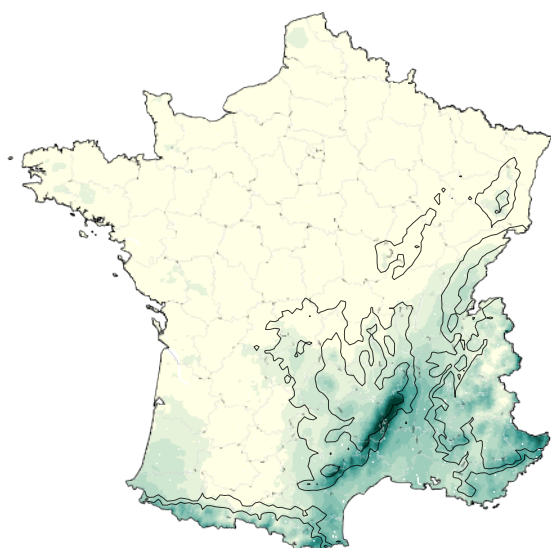


3.2 Données journalières (1990-2022)

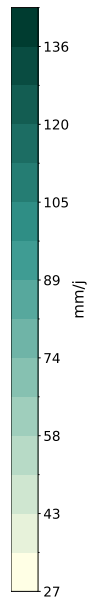
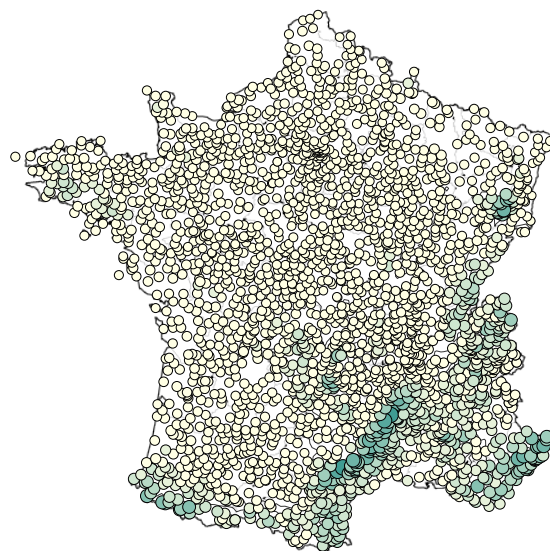
HYDRO
 $r = 0.96$
 $ME = -2.54$
 $n = 2613$



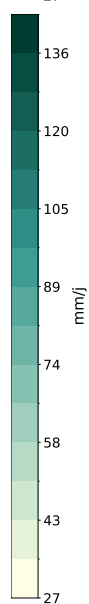
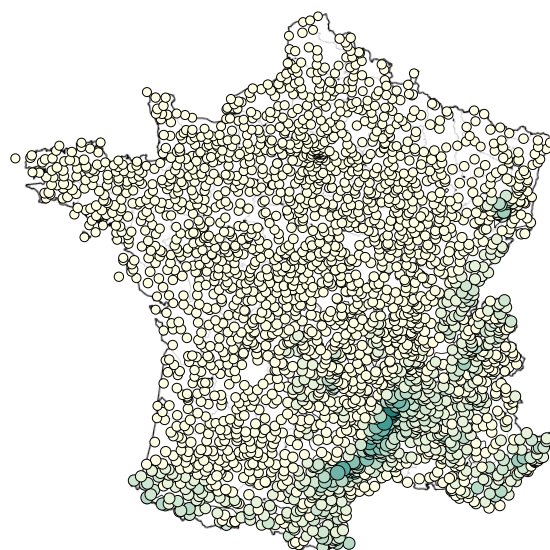
SON
 $r = 0.96$
 $ME = -1.21$
 $n = 2719$



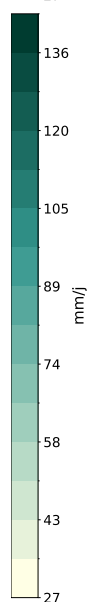
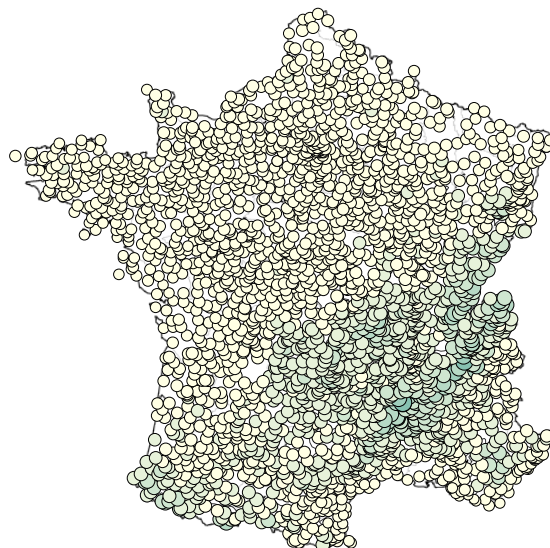
DJF
 $r = 0.94$
 $ME = -0.25$
 $n = 2663$



MAM
 $r = 0.94$
 $ME = -0.33$
 $n = 2729$

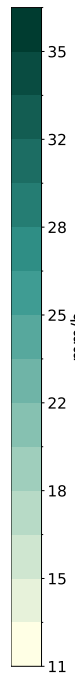
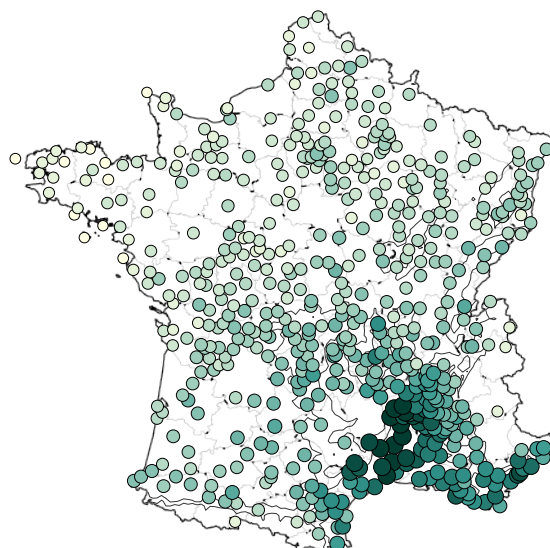
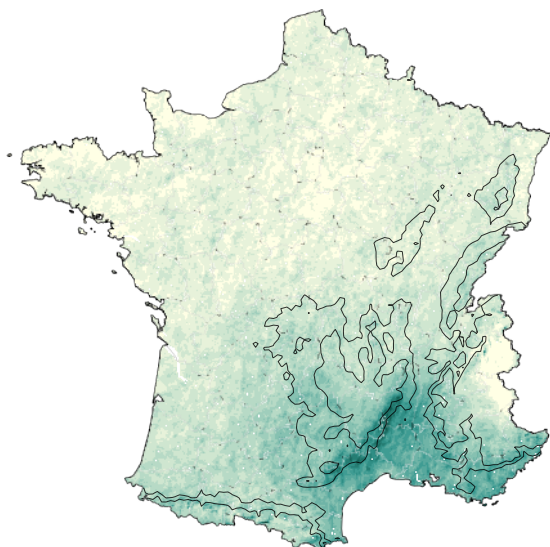


JJA
 $r = 0.83$
 $ME = -4.29$
 $n = 2718$

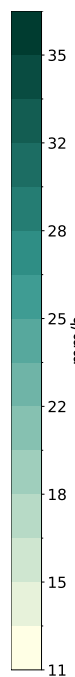
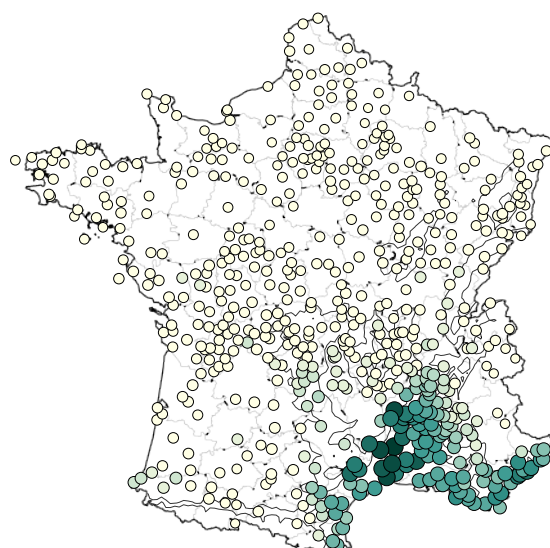
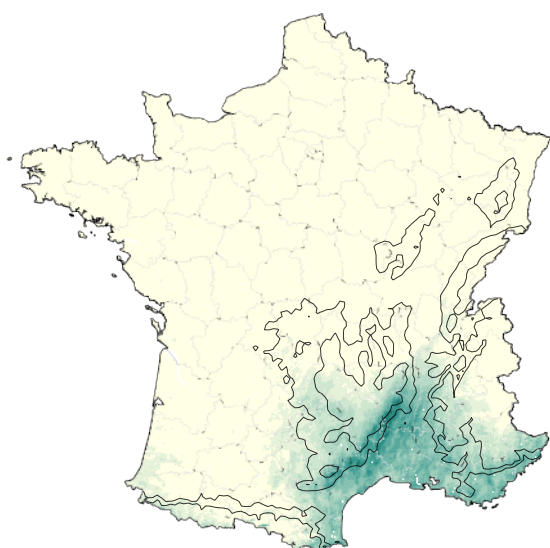


3.3 Données horaires (1990-2022)

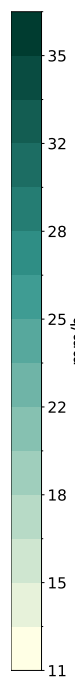
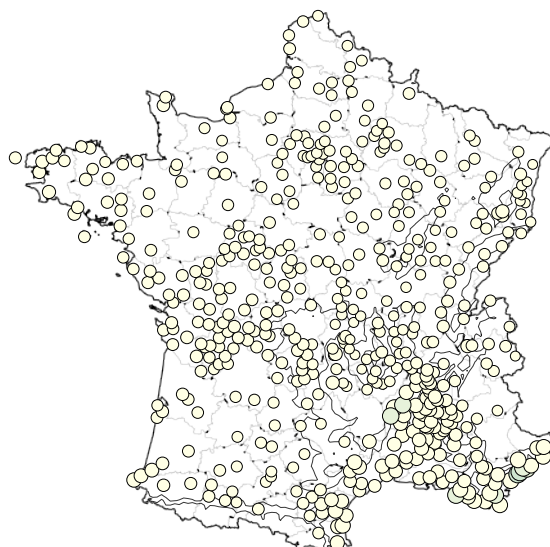
HYDRO
 $r = 0.89$
 $ME = -3.42$
 $n = 574$



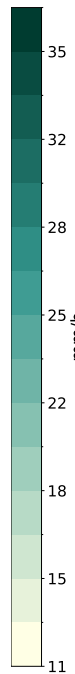
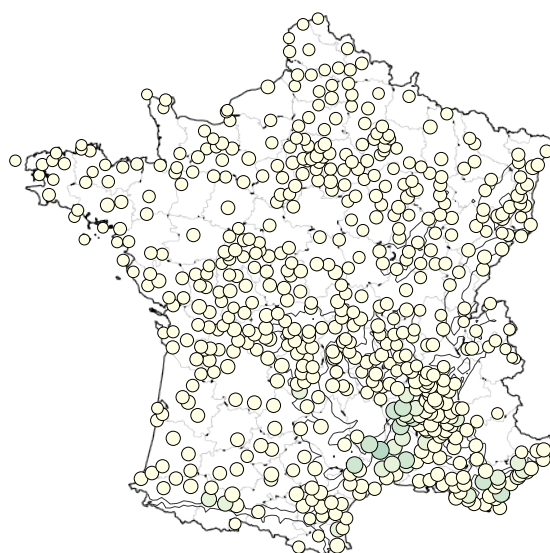
SON
 $r = 0.93$
 $ME = -1.18$
 $n = 609$



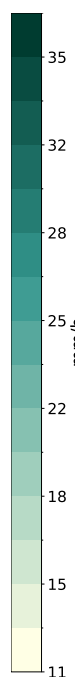
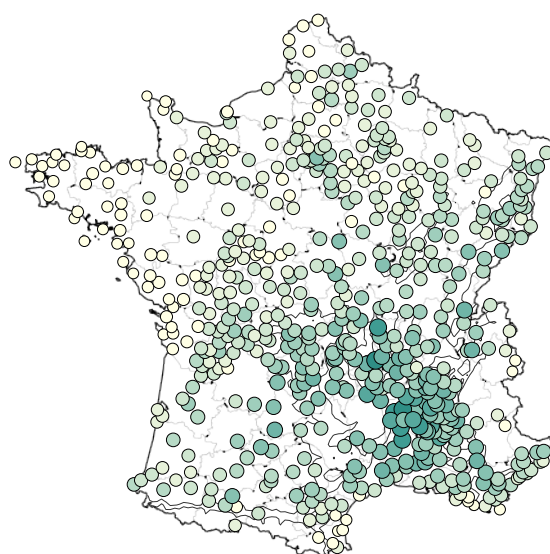
DJF
 $r = 0.91$
 $ME = -0.02$
 $n = 511$



MAM
 $r = 0.70$
 $ME = -0.13$
 $n = 589$



JJA
 $r = 0.70$
 $ME = -3.75$
 $n = 606$



4 Tendances relatives du niveau de retour 10 ans estimée par le meilleur modèle

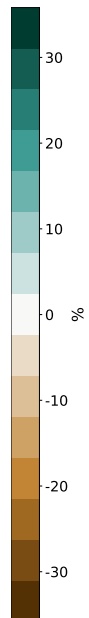
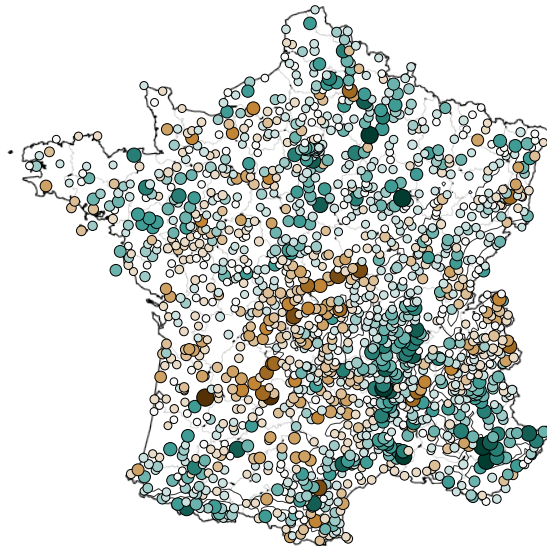
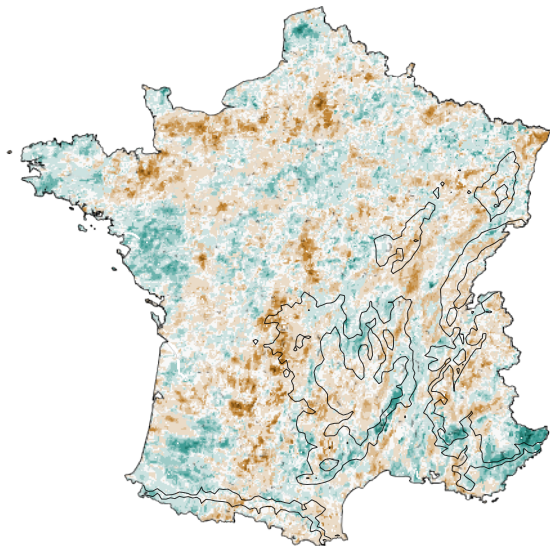
4.1 Données journalières (1959-2022)

4.1.1 Par saison

4.1.1.1 Toutes tendances

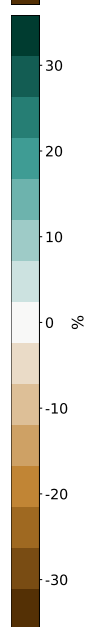
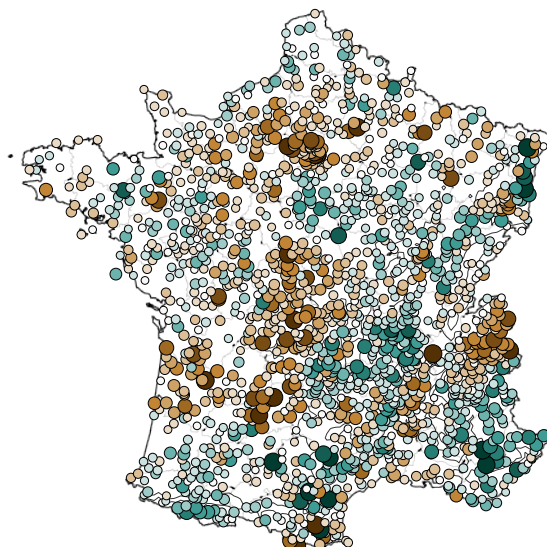
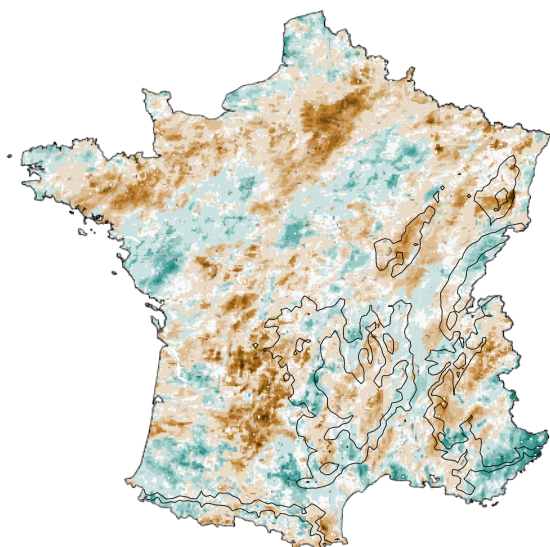
HYDRO

$r = 0.14$
 $ME = -2.74$
 $n = 1583$



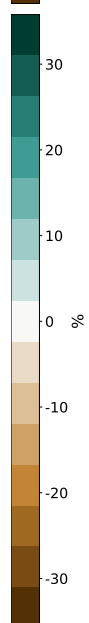
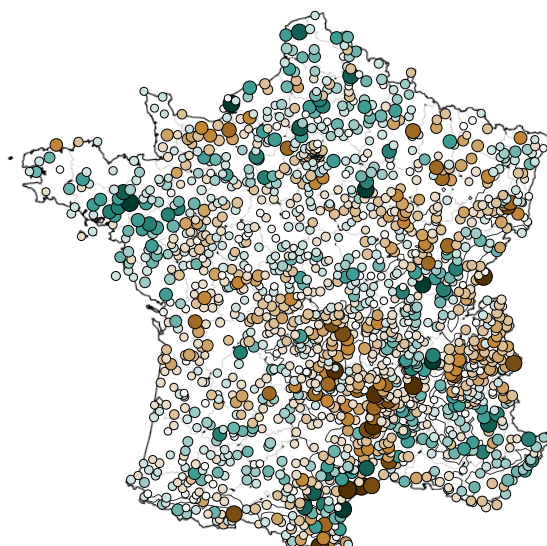
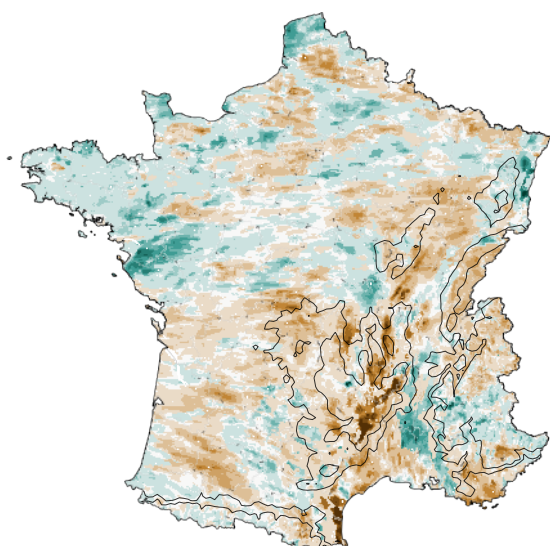
SON

$r = 0.21$
 $ME = -1.44$
 $n = 1664$



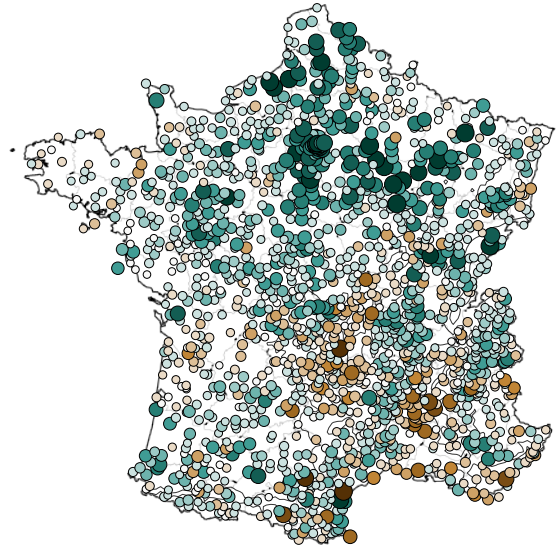
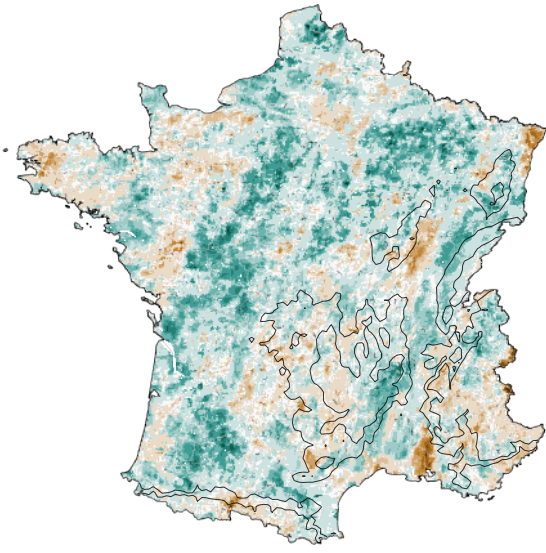
DJF

$r = 0.23$
 $ME = -1.89$
 $n = 1603$



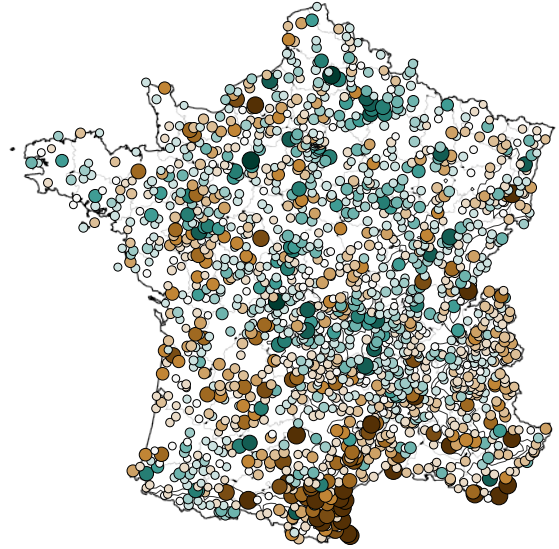
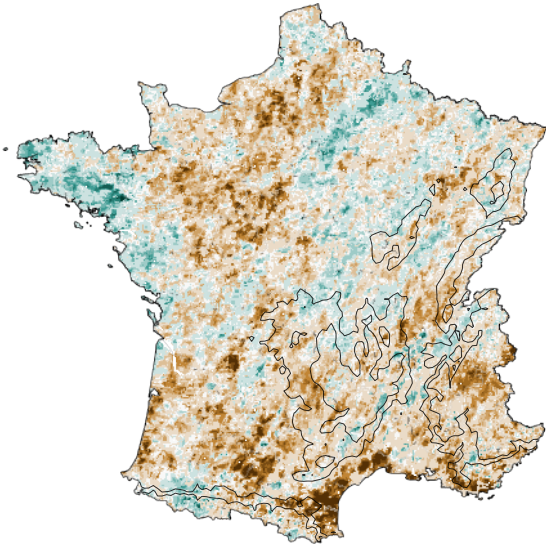
MAM

$r = 0.21$
 $ME = -1.00$
 $n = 1650$



JJA

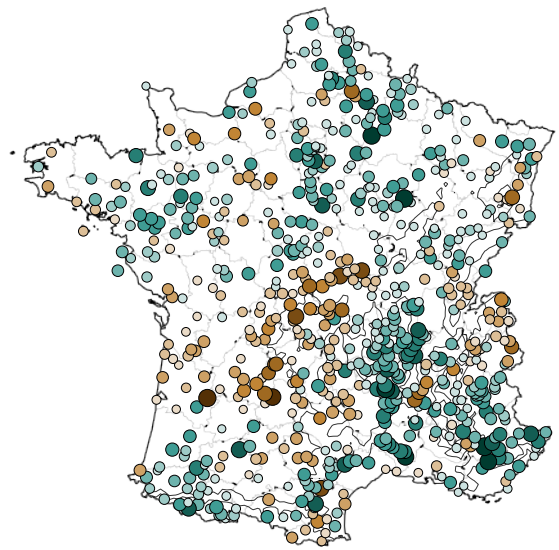
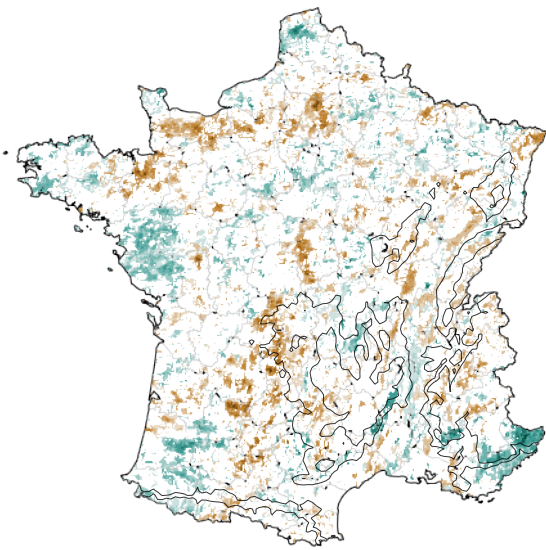
$r = 0.16$
 $ME = -3.79$
 $n = 1640$



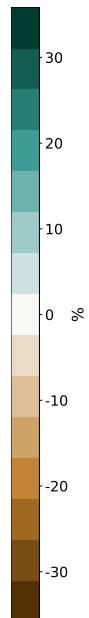
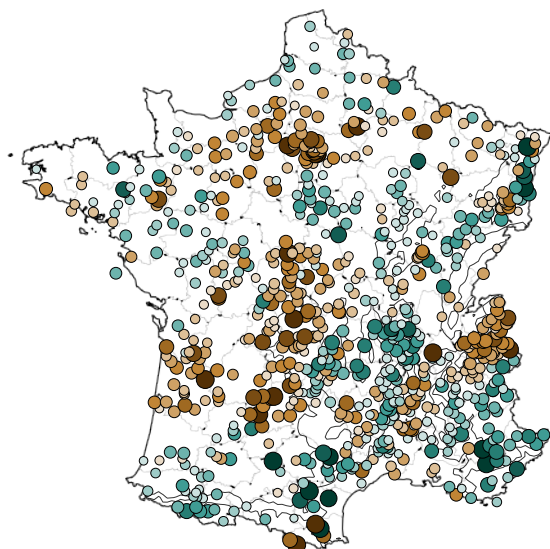
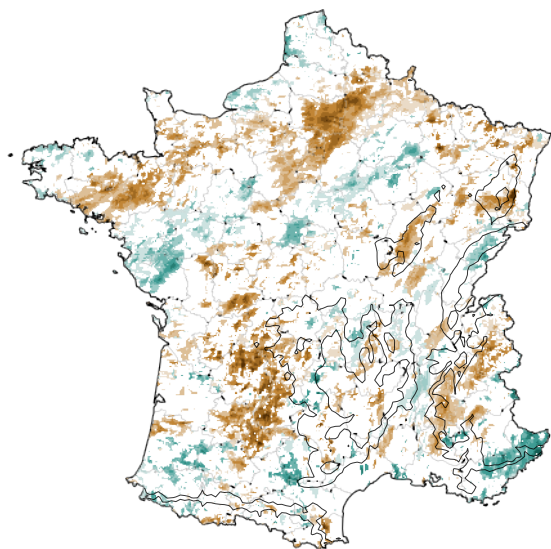
4.1.1.2 Tendances significatives

HYDRO

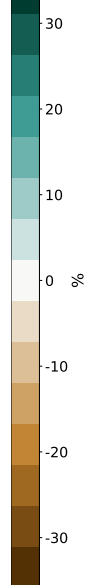
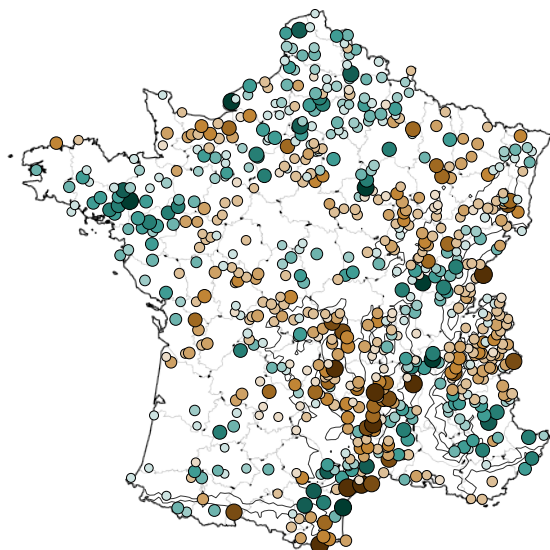
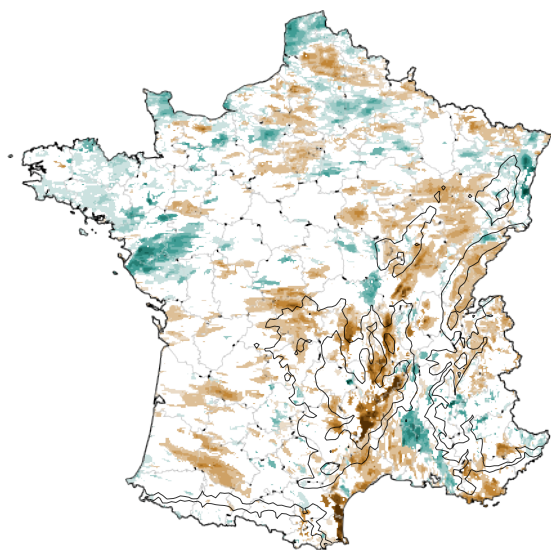
$r = 0.24$
 $ME = -4.87$
 $n = 250$



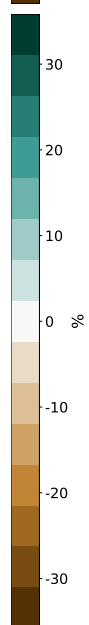
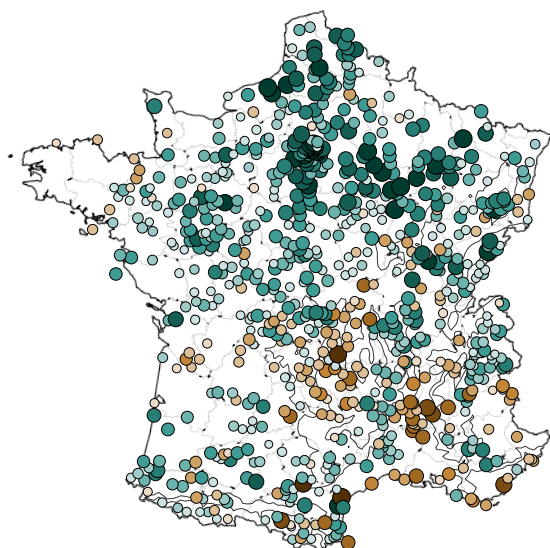
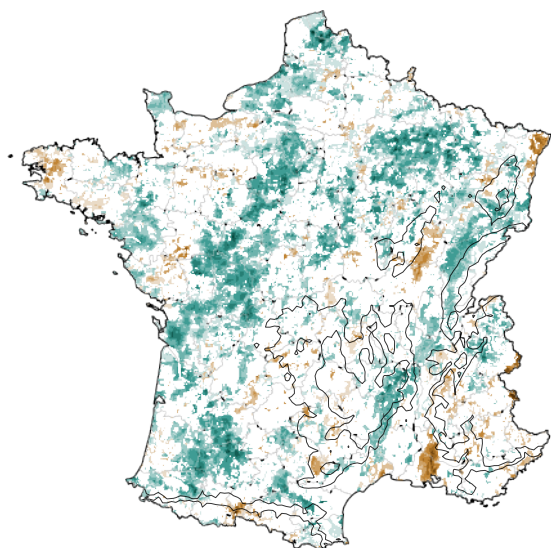
SON
 $r = 0.31$
 $ME = -3.01$
 $n = 305$



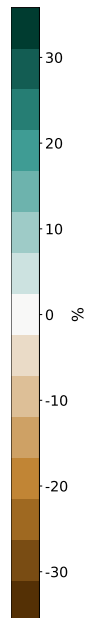
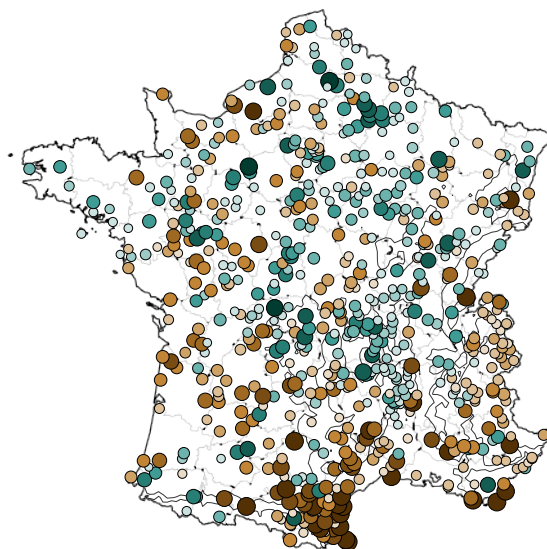
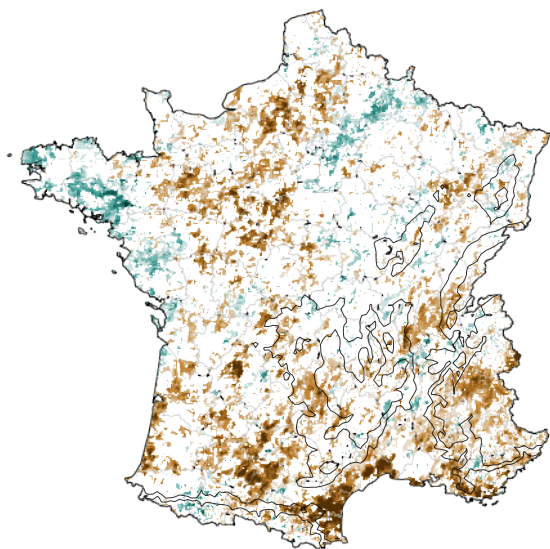
DJF
 $r = 0.39$
 $ME = -2.76$
 $n = 353$



MAM
 $r = 0.19$
 $ME = -2.42$
 $n = 344$



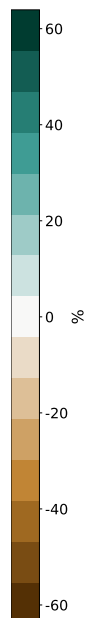
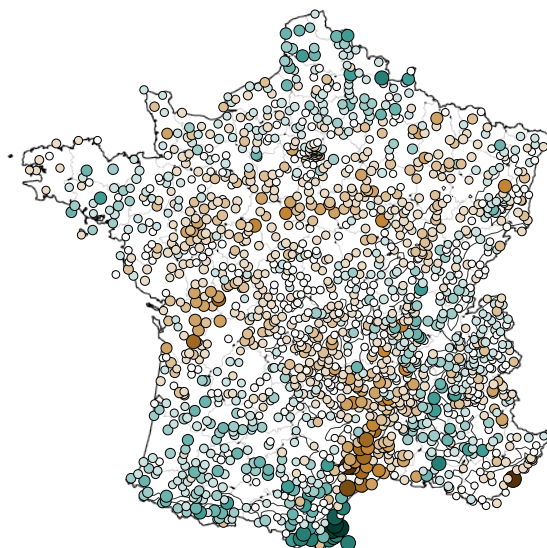
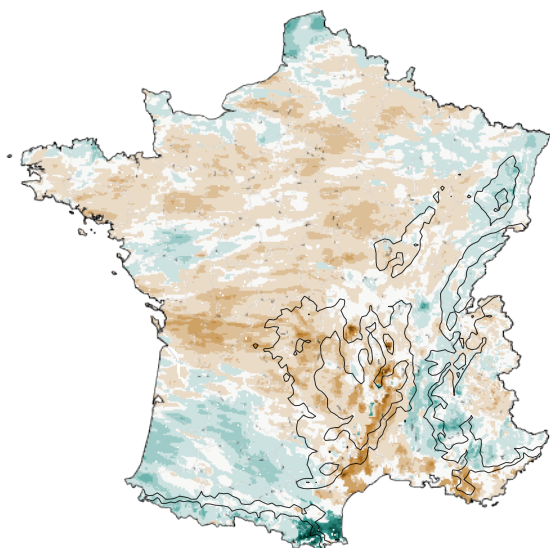
JJA
 $r = 0.21$
 $ME = -5.58$
 $n = 272$



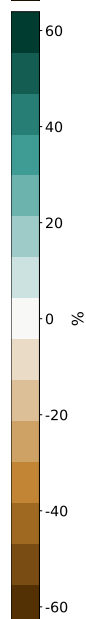
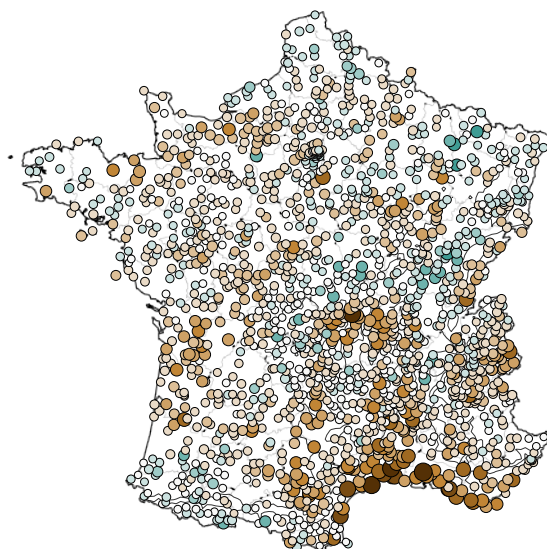
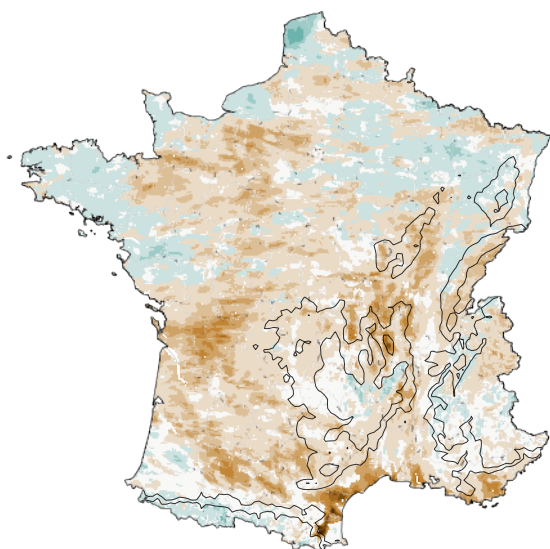
4.1.2 Par mois

4.1.2.1 Toutes tendances

JAN
 $r = 0.41$
 $ME = -2.75$
 $n = 1672$



FEV
 $r = 0.33$
 $ME = -0.57$
 $n = 1677$

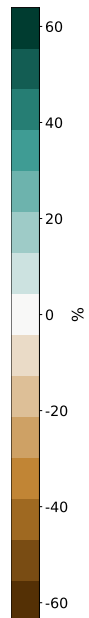
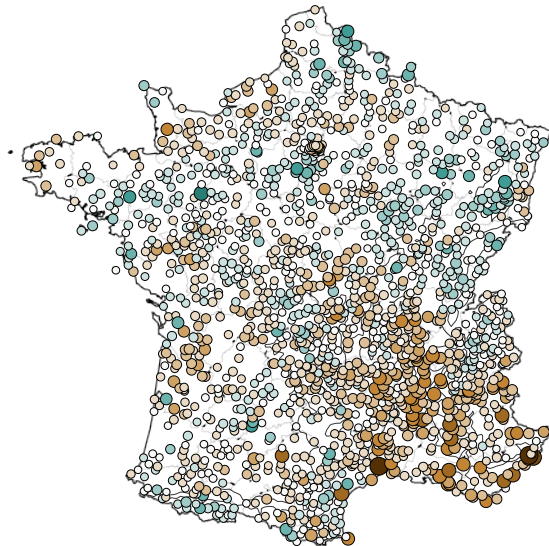
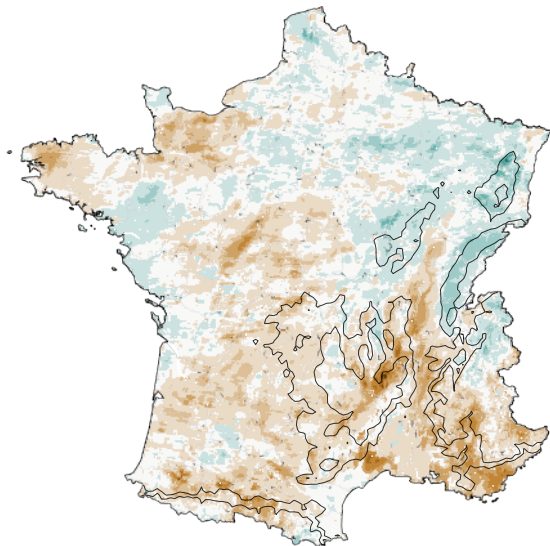


MAR

$r = 0.42$

$ME = -0.36$

$n = 1678$

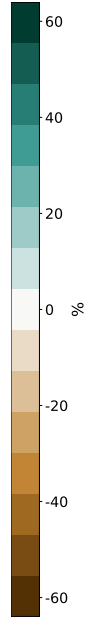
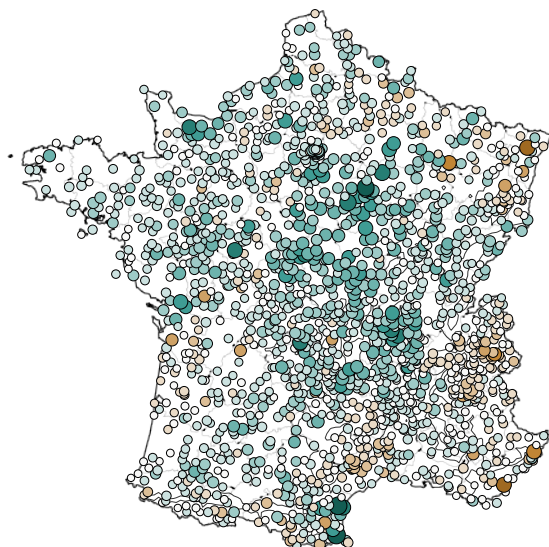
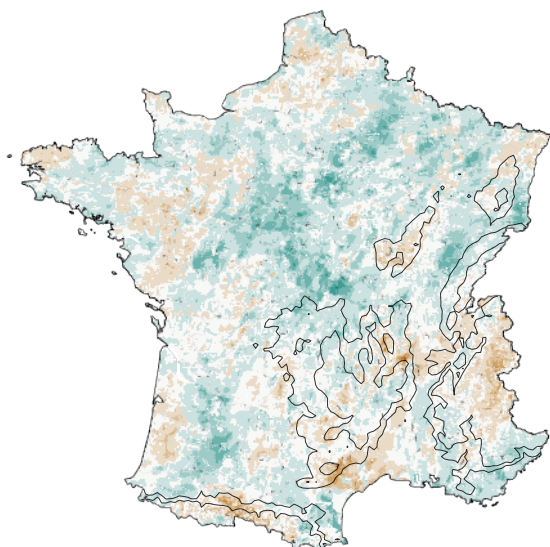


AVR

$r = 0.19$

$ME = -3.12$

$n = 1681$

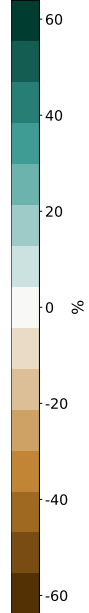
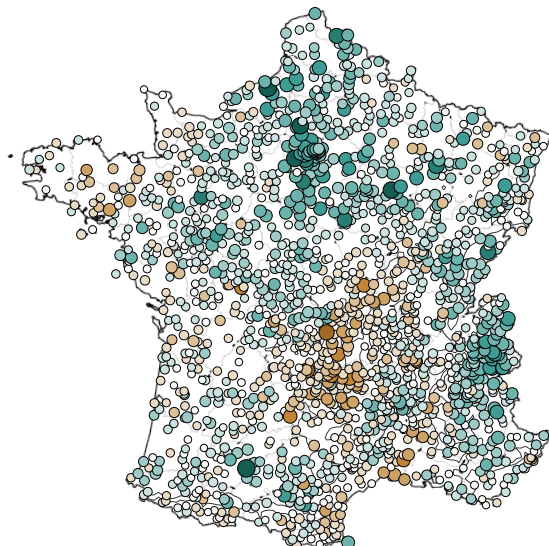
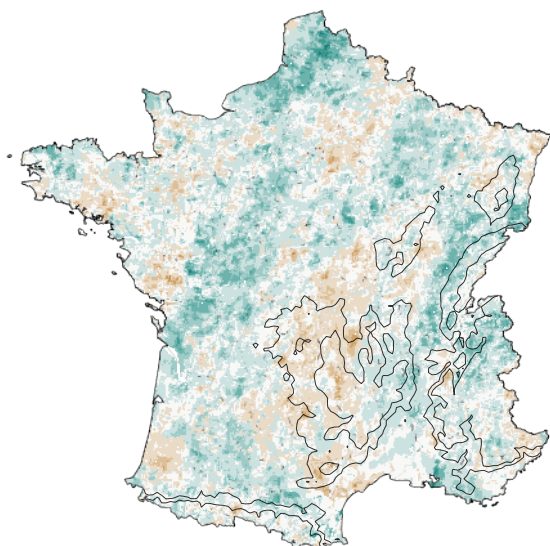


MAI

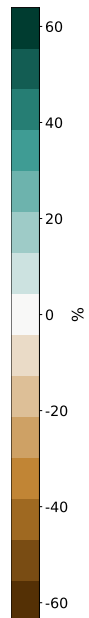
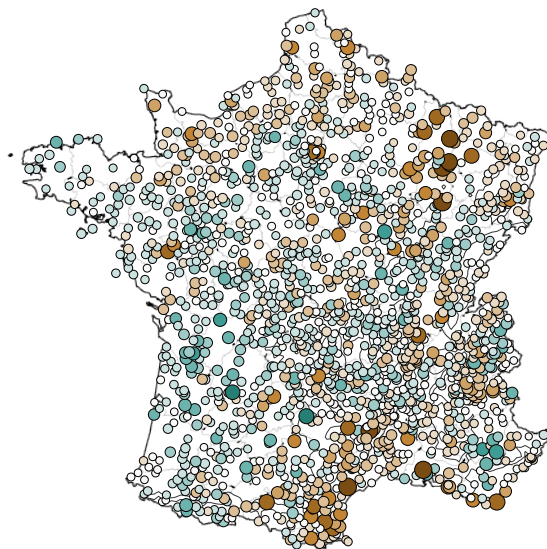
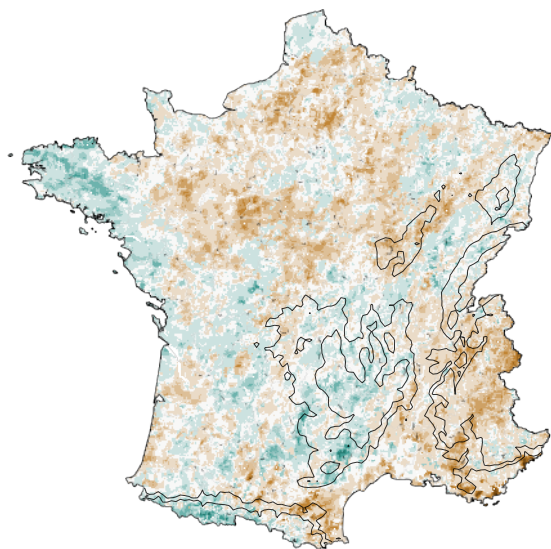
$r = 0.27$

$ME = -0.86$

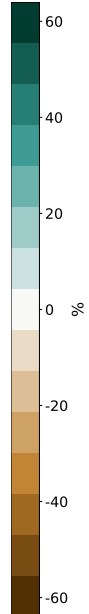
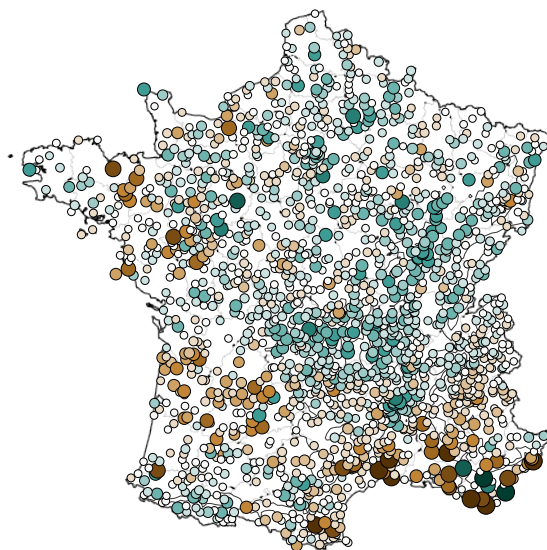
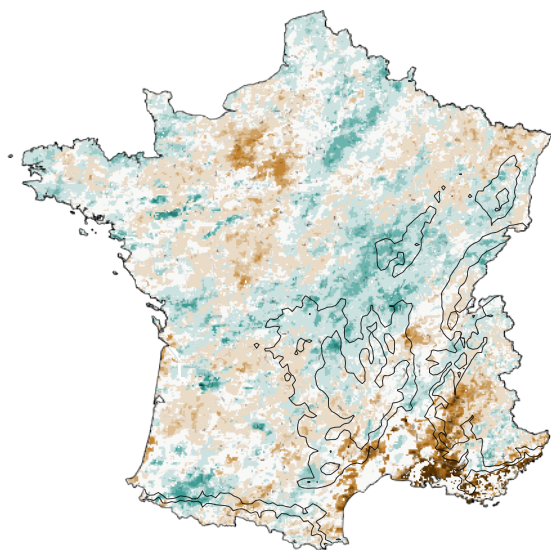
$n = 1682$



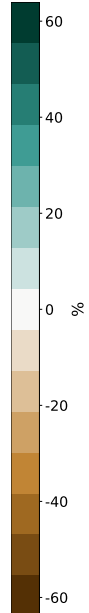
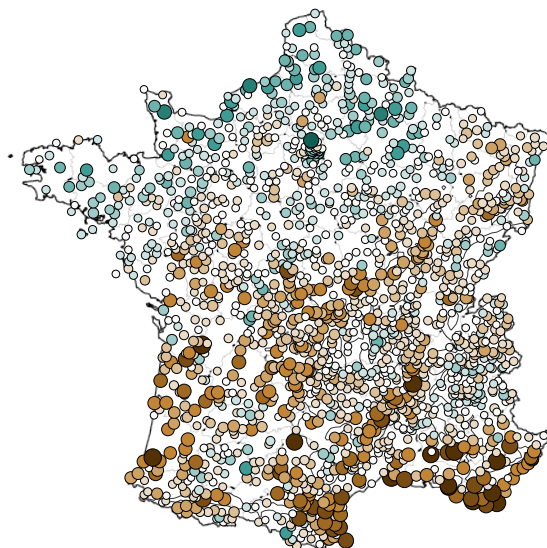
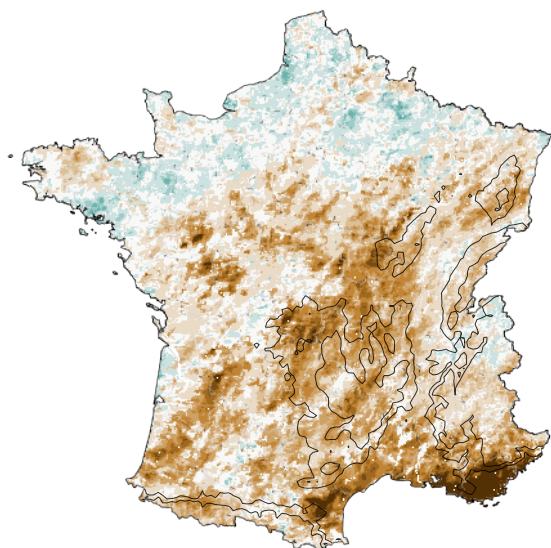
JUI
 $r = 0.07$
 $ME = -2.27$
 $n = 1685$



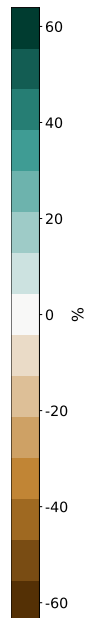
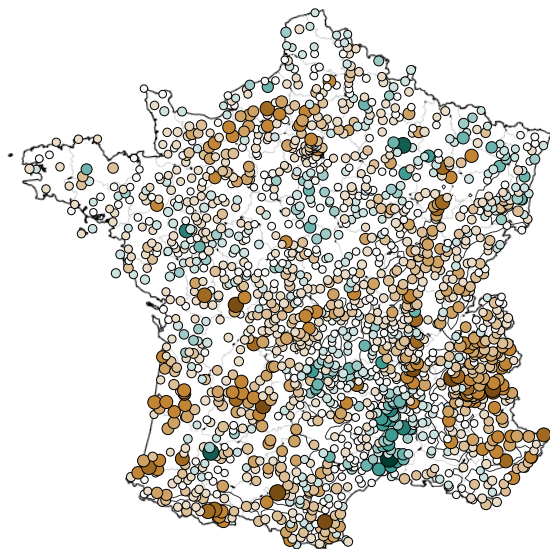
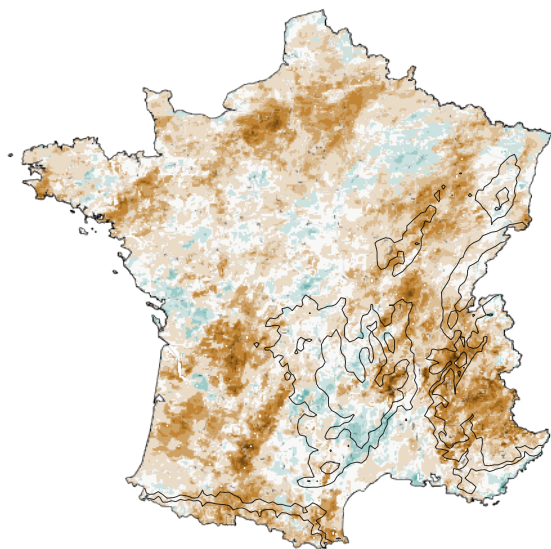
JUILL
 $r = 0.25$
 $ME = -1.94$
 $n = 1682$



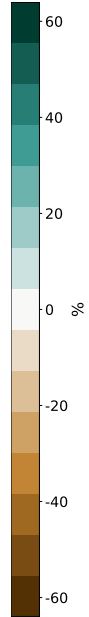
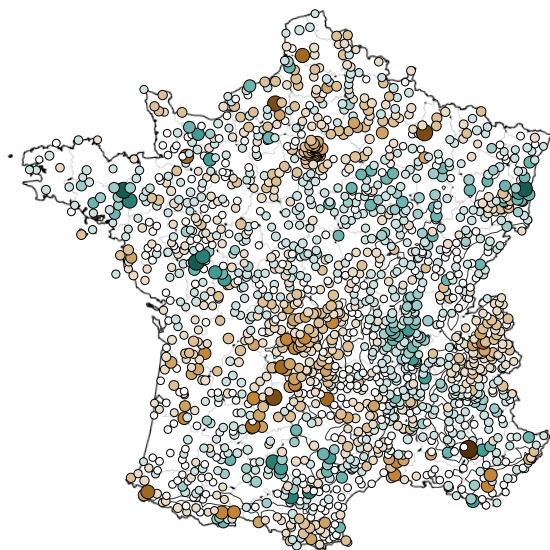
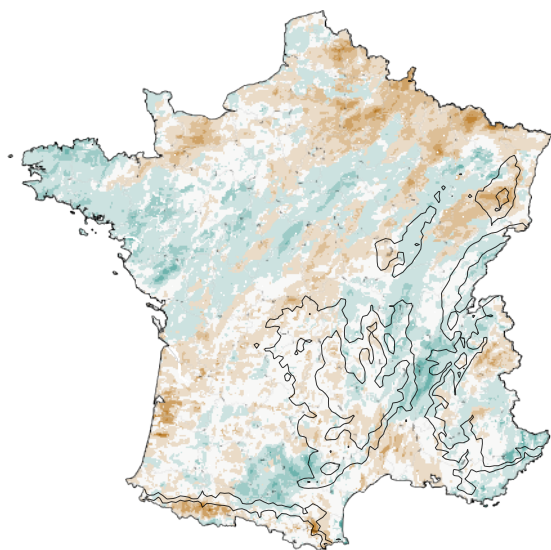
AOU
 $r = 0.40$
 $ME = -8.14$
 $n = 1685$



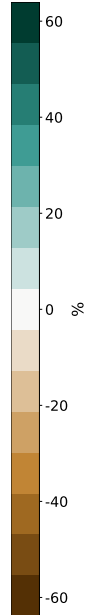
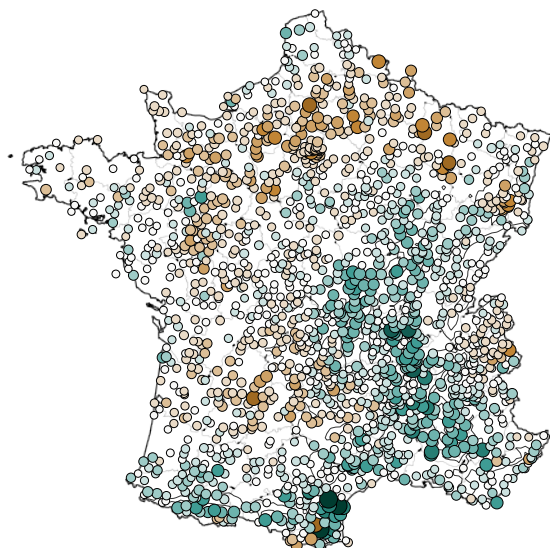
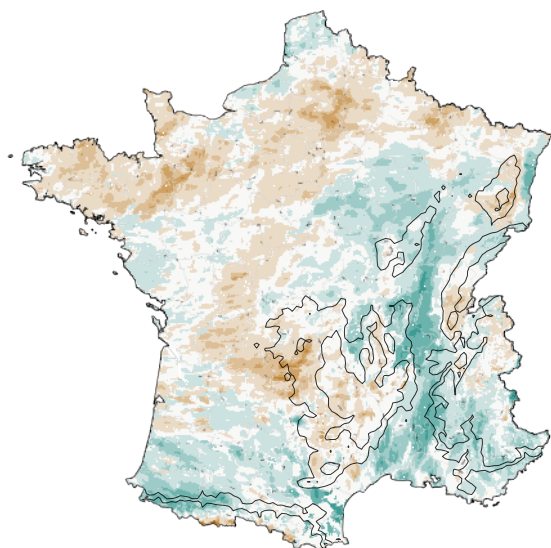
SEP
 $r = 0.27$
 $ME = -4.55$
 $n = 1690$



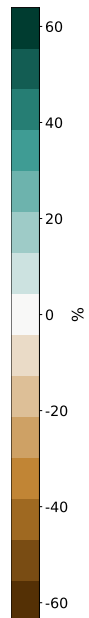
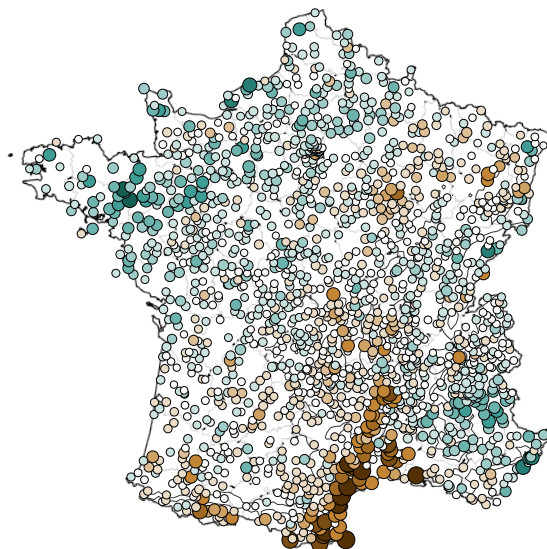
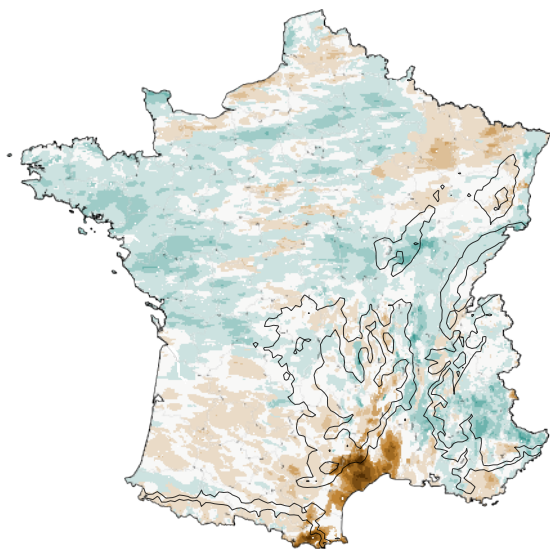
OCT
 $r = 0.23$
 $ME = 0.55$
 $n = 1693$



NOV
 $r = 0.48$
 $ME = -0.68$
 $n = 1705$

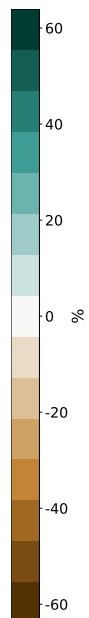
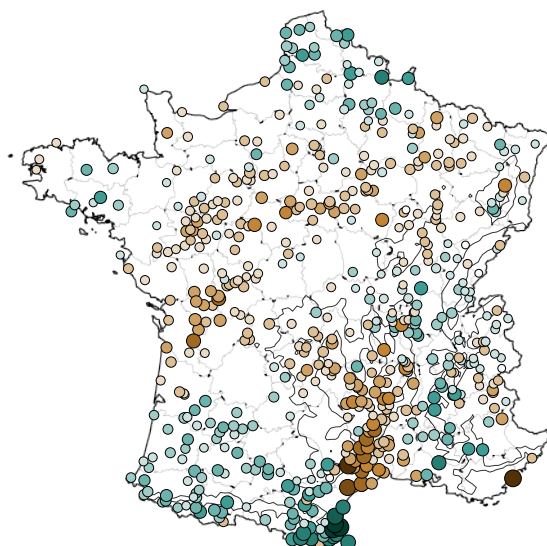
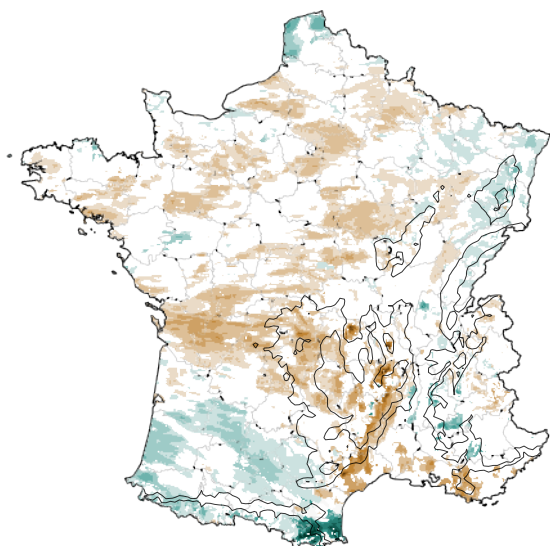


DEC
 $r = 0.51$
 $ME = -0.02$
 $n = 1692$

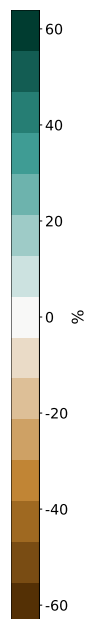
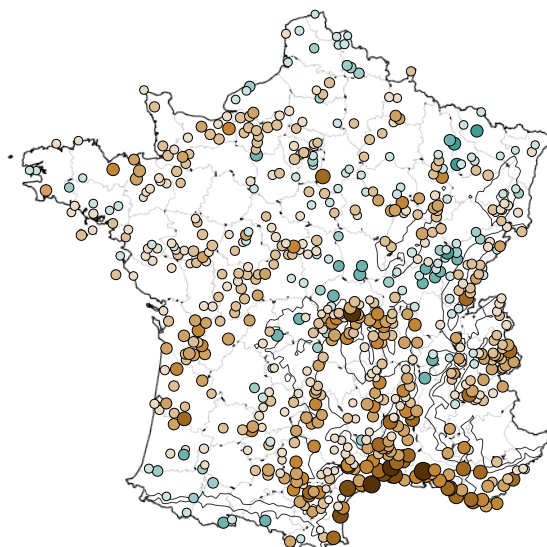
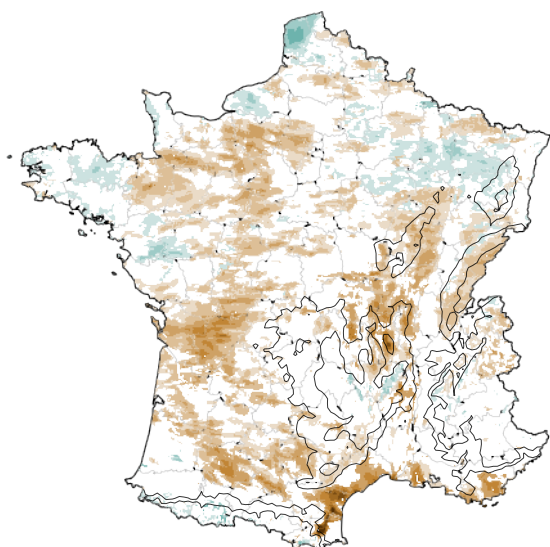


4.1.2.2 Tendances significatives

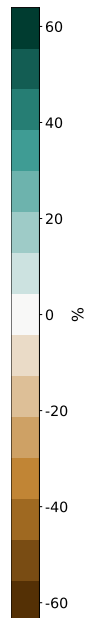
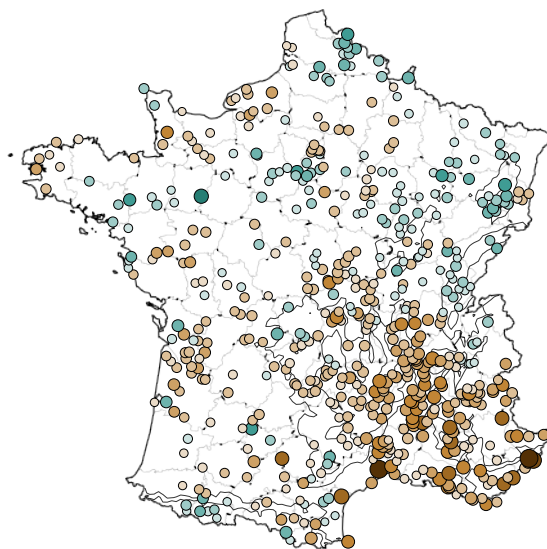
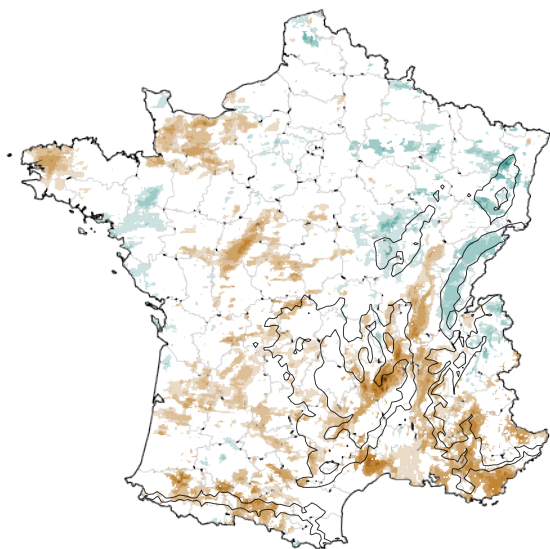
JAN
 $r = 0.70$
 $ME = -2.68$
 $n = 271$



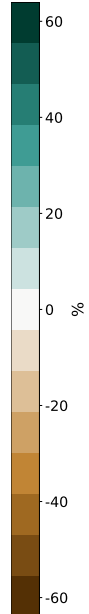
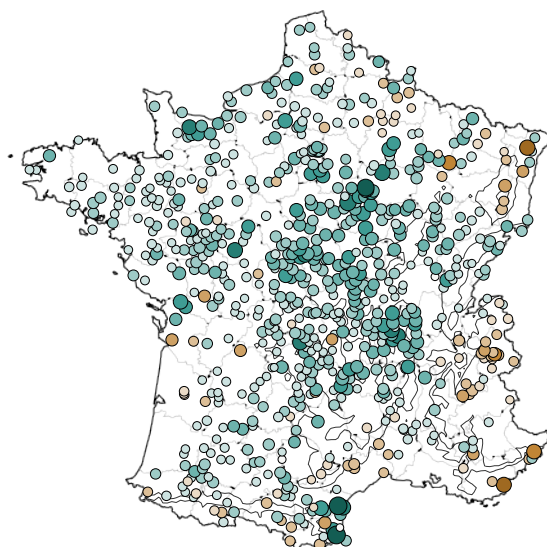
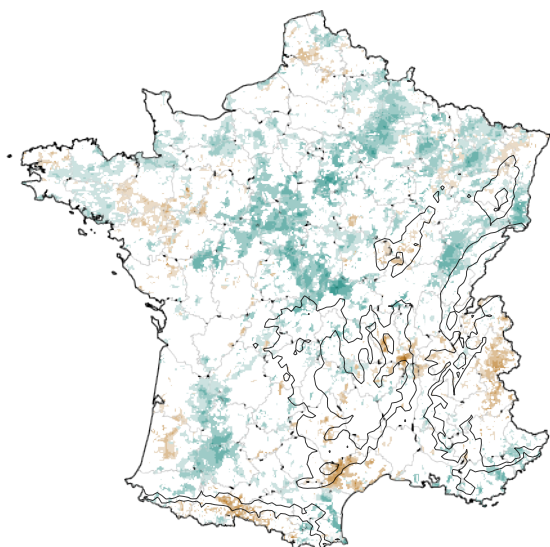
FEV
 $r = 0.37$
 $ME = 1.85$
 $n = 356$



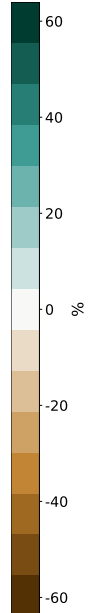
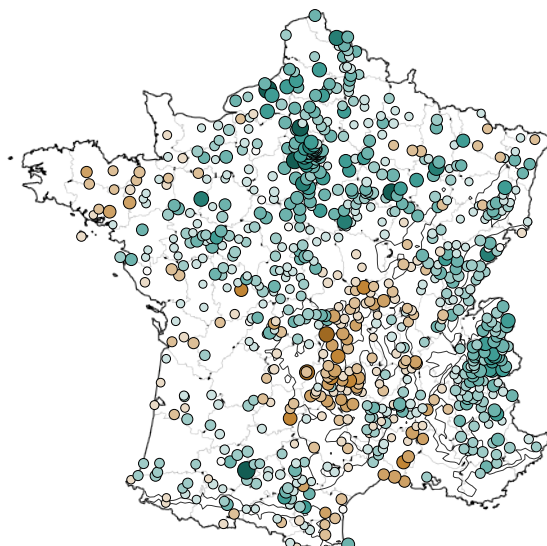
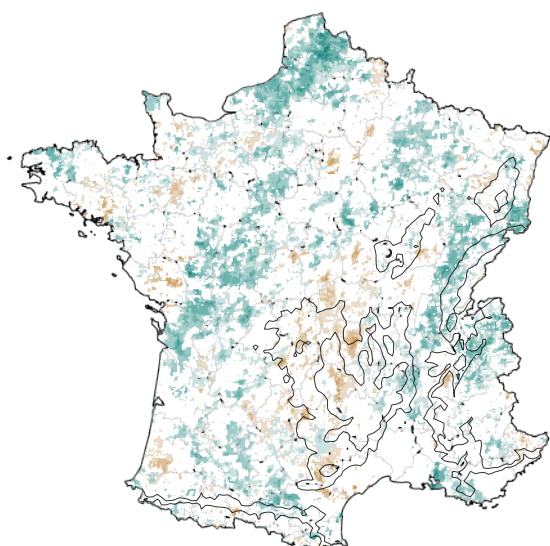
MAR
 $r = 0.71$
 $ME = 0.39$
 $n = 214$



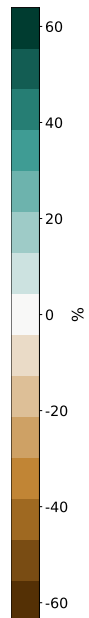
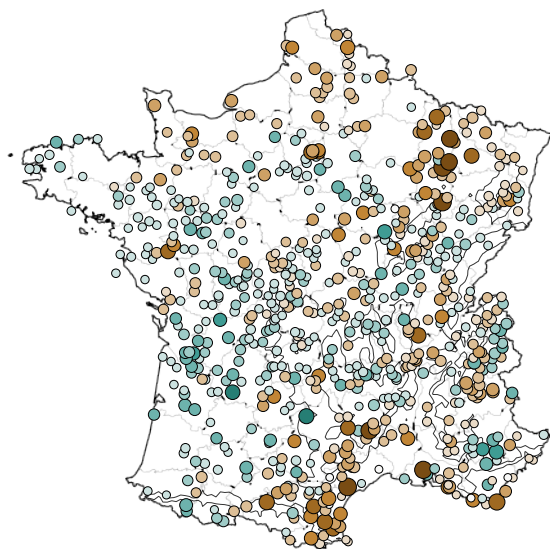
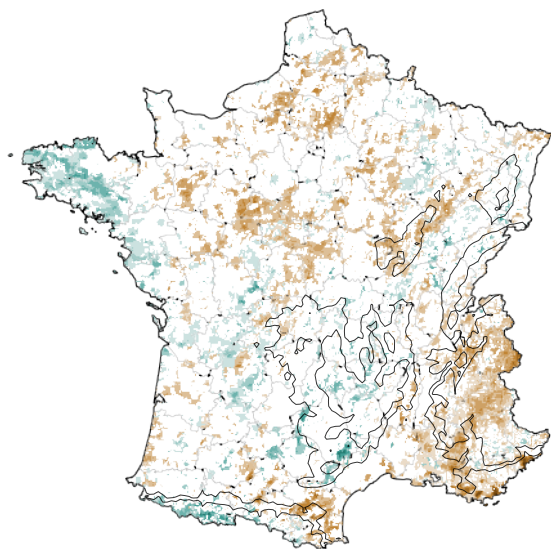
AVR
 $r = 0.27$
 $ME = -3.61$
 $n = 256$



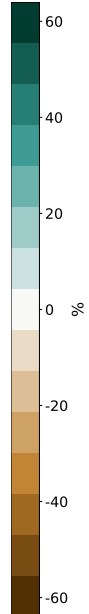
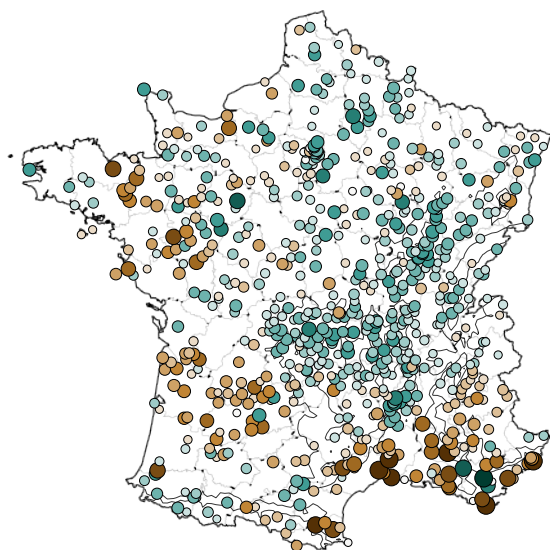
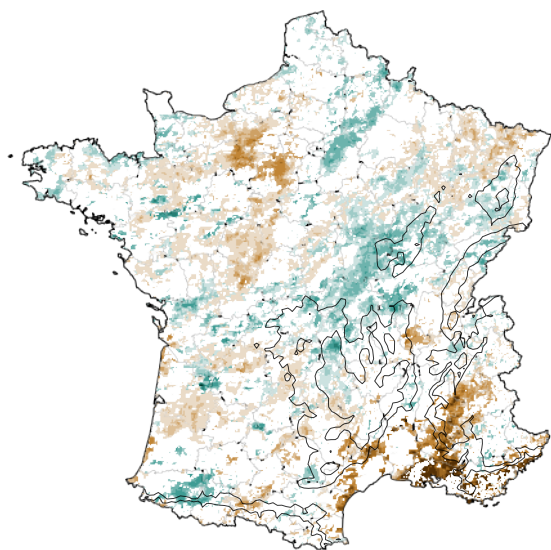
MAI
 $r = 0.41$
 $ME = -3.32$
 $n = 315$



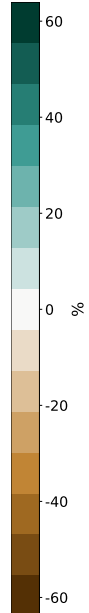
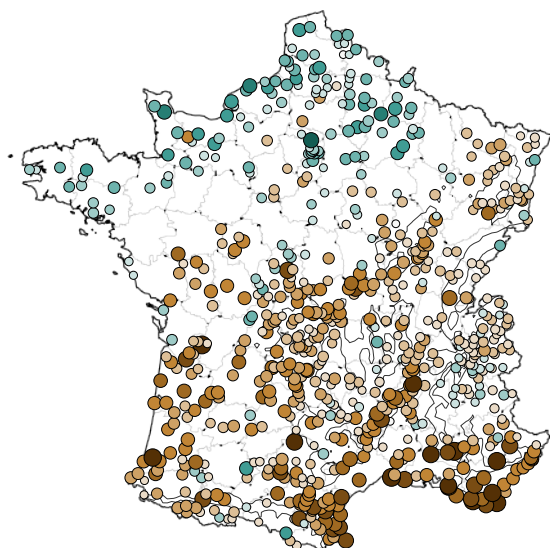
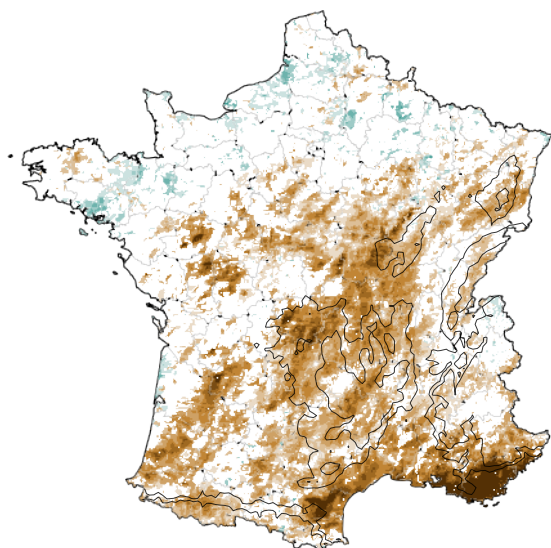
JUI
 $r = 0.17$
 $ME = -6.57$
 $n = 230$



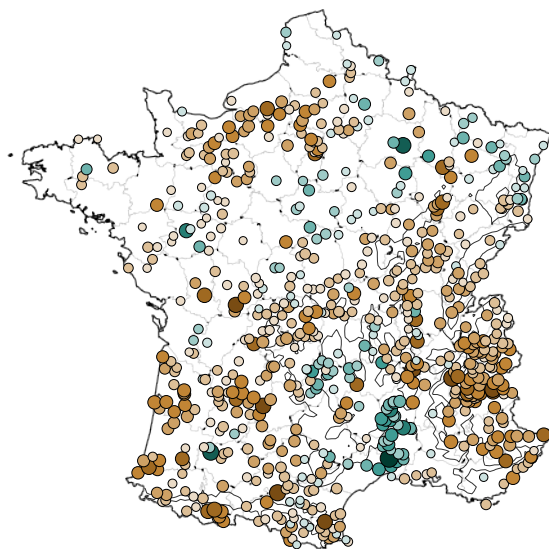
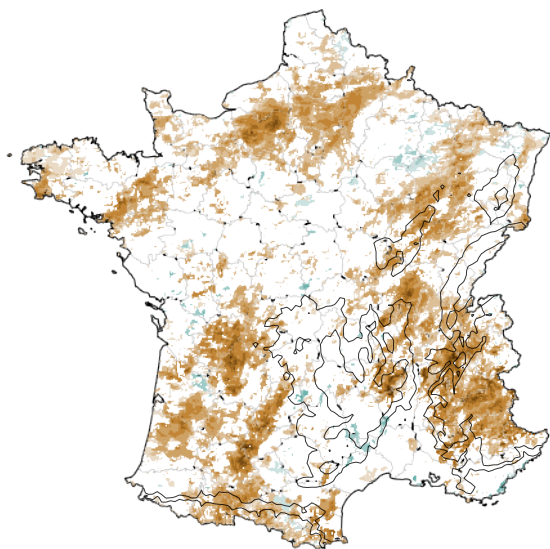
JUILL
 $r = 0.41$
 $ME = -3.30$
 $n = 325$



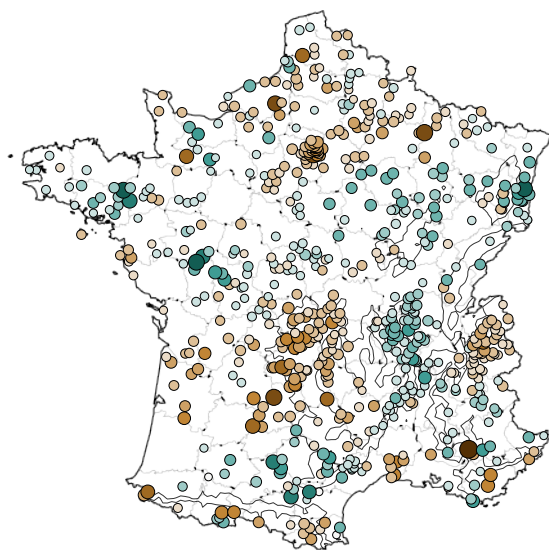
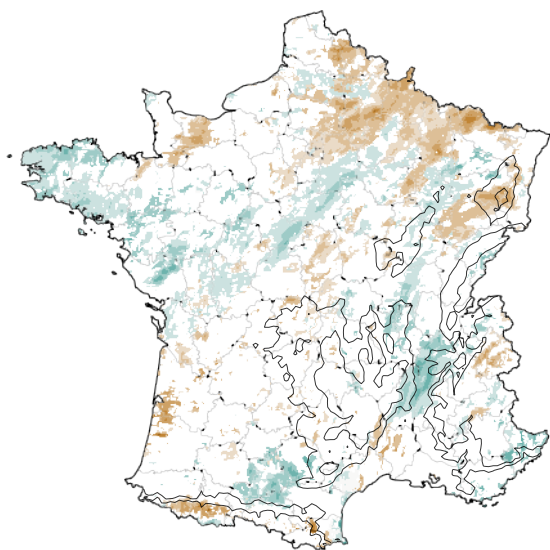
AOU
 $r = 0.52$
 $ME = -6.75$
 $n = 419$



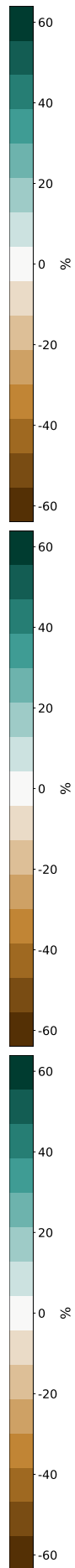
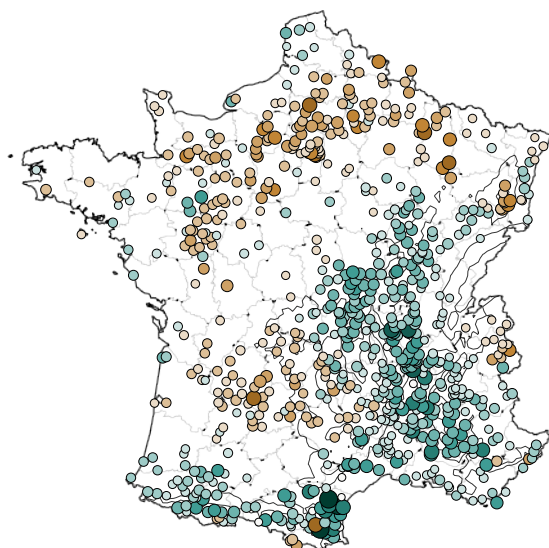
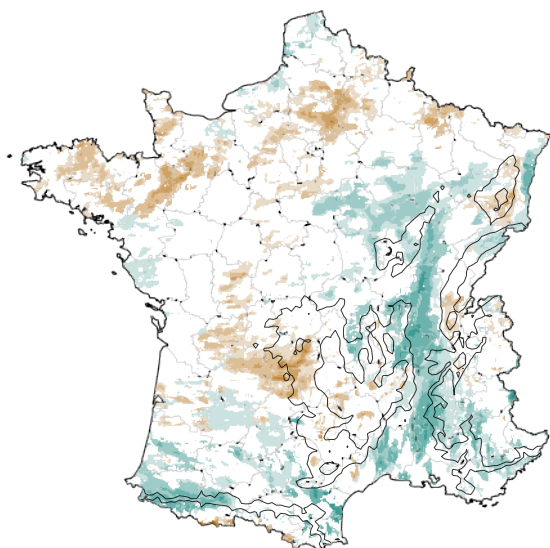
SEP
 $r = 0.29$
 $ME = -5.07$
 $n = 334$



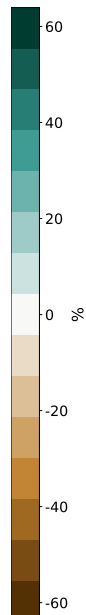
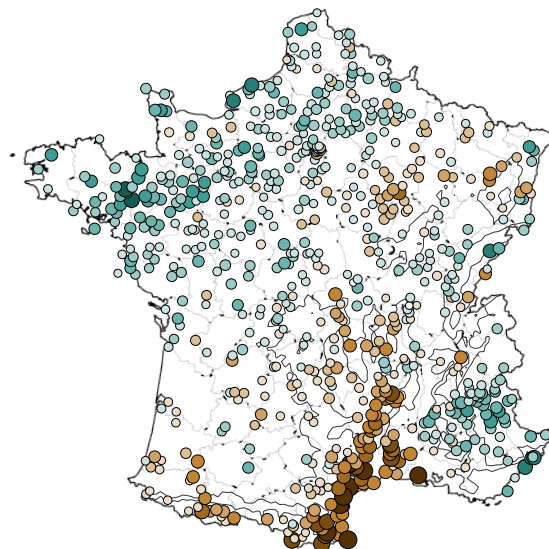
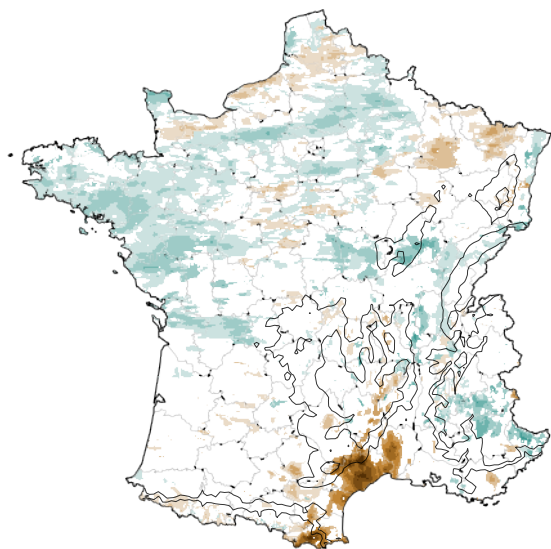
OCT
 $r = 0.36$
 $ME = 0.03$
 $n = 243$



NOV
 $r = 0.68$
 $ME = -0.43$
 $n = 350$



DEC
 $r = 0.77$
 $ME = -2.13$
 $n = 320$

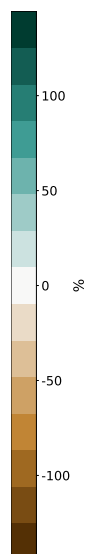
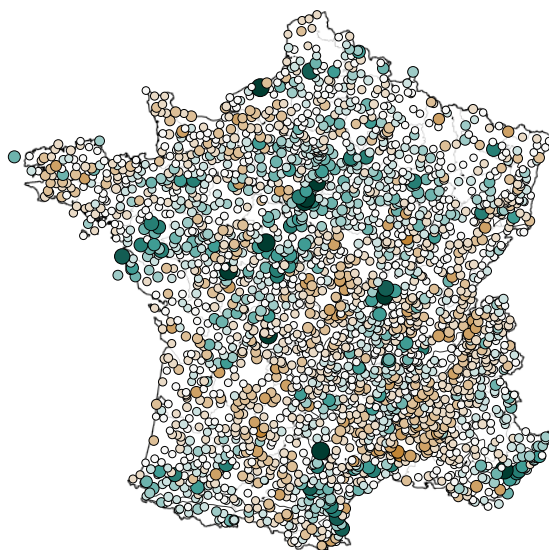
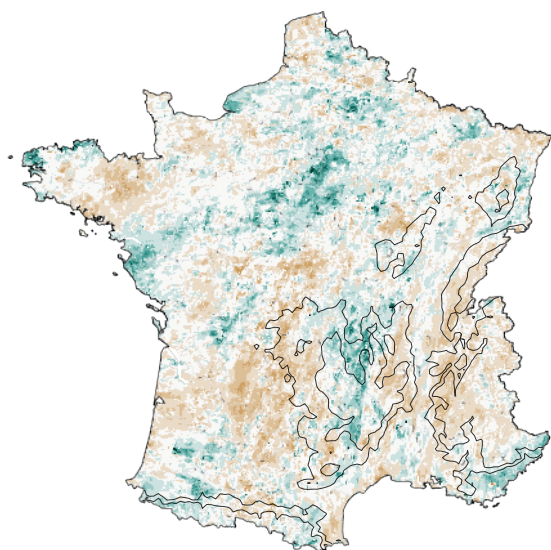


4.2 Données journalières (1990-2022)

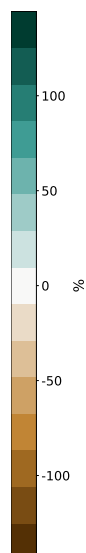
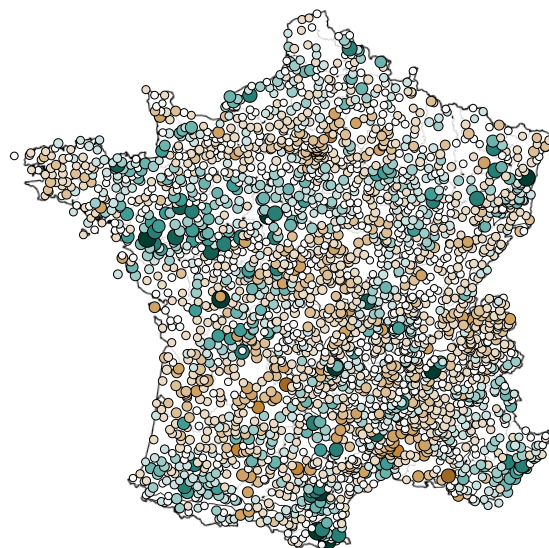
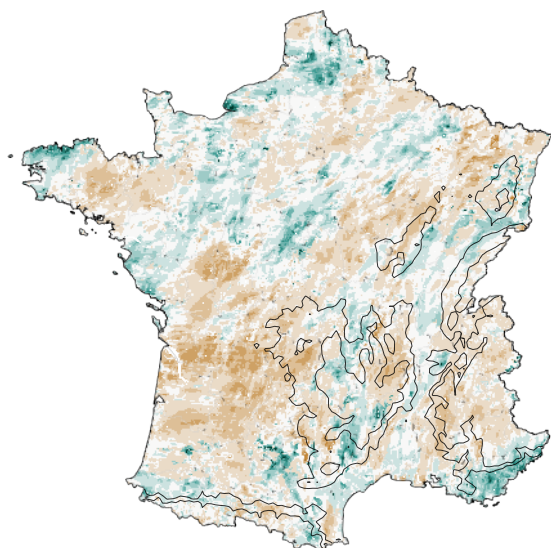
4.2.1 Par saison

4.2.1.1 Toutes tendances

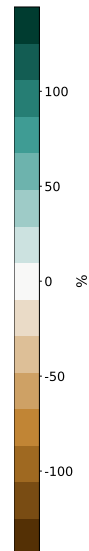
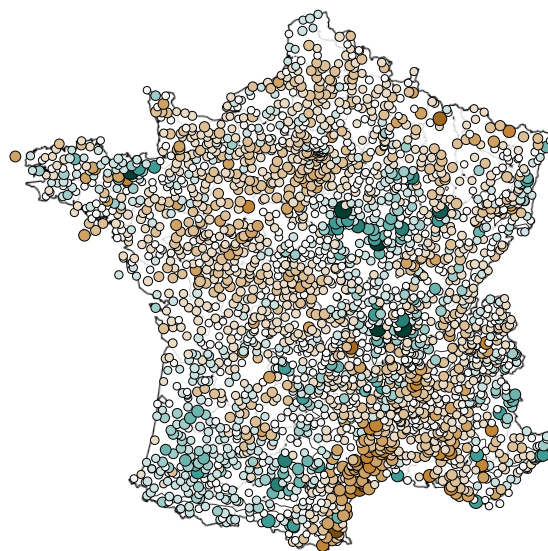
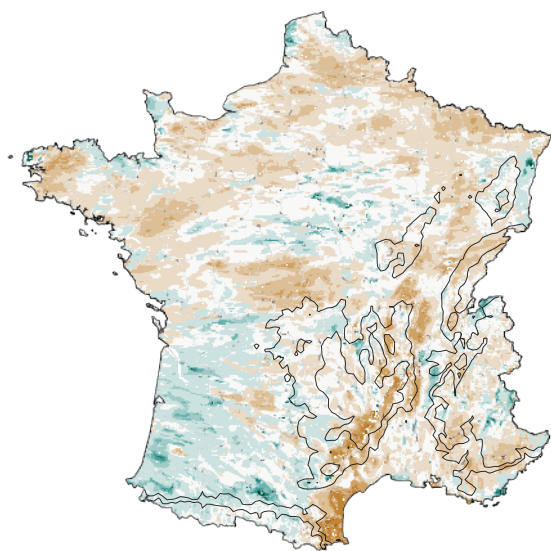
HYDRO
 $r = 0.18$
 $ME = -1.20$
 $n = 2613$



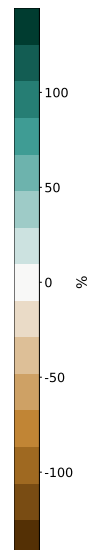
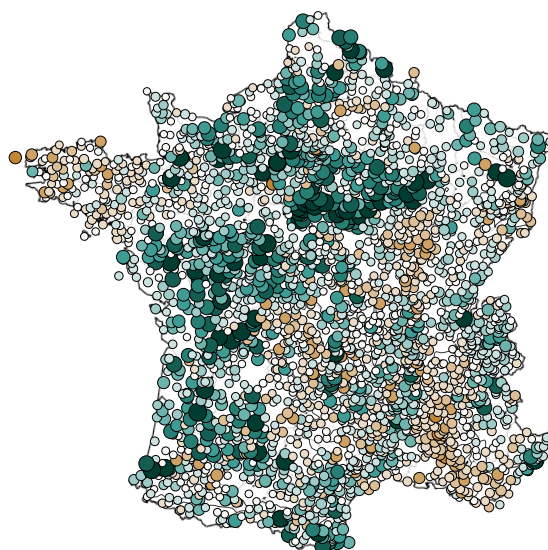
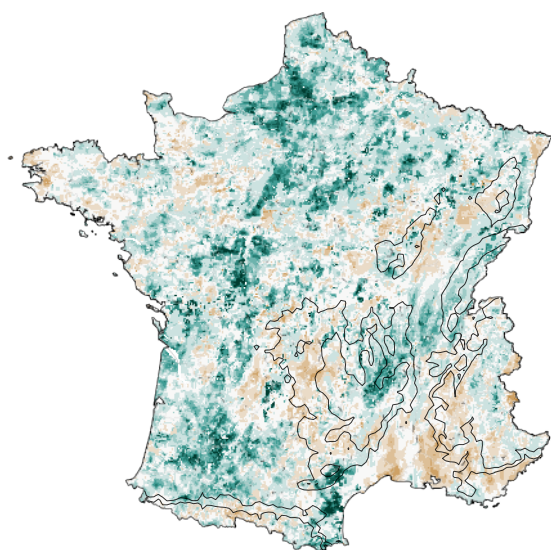
SON
 $r = 0.13$
 $ME = -1.93$
 $n = 2719$



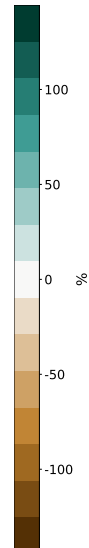
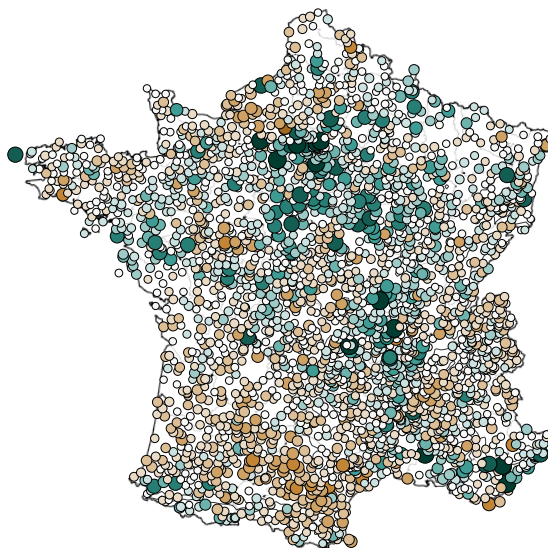
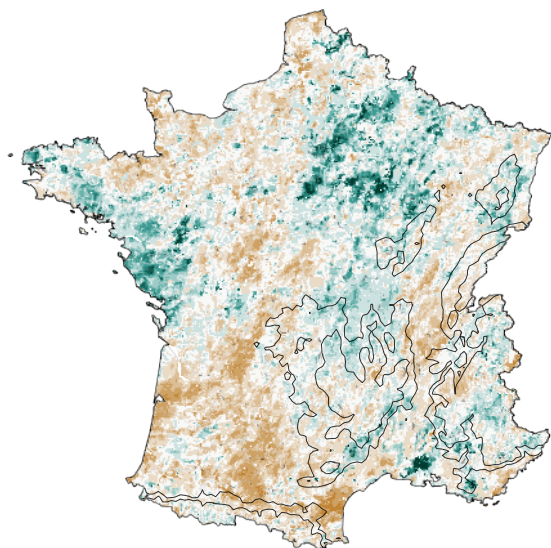
DJF
 $r = 0.29$
 $ME = -0.09$
 $n = 2663$



MAM
 $r = 0.21$
 $ME = -1.47$
 $n = 2729$

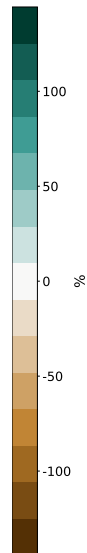
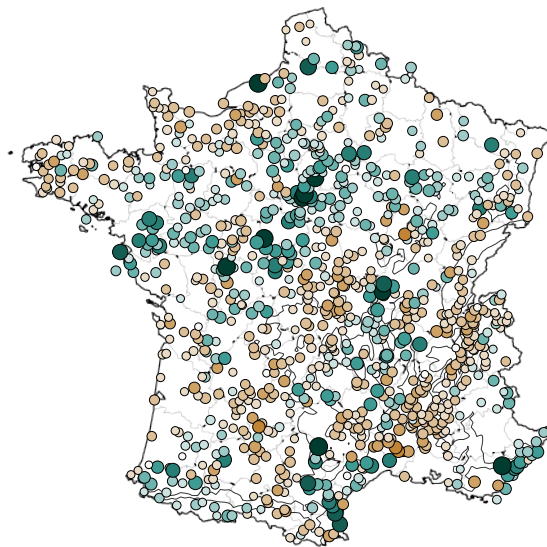
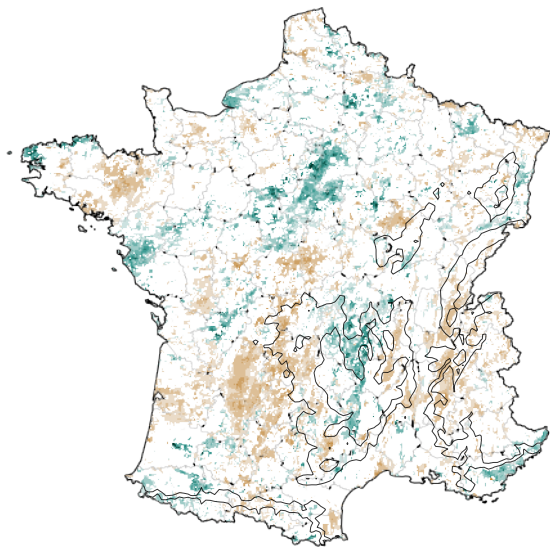


JJA
 $r = 0.16$
 $ME = 0.23$
 $n = 2718$

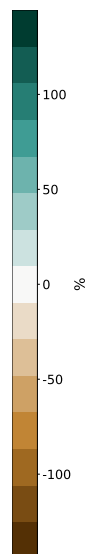
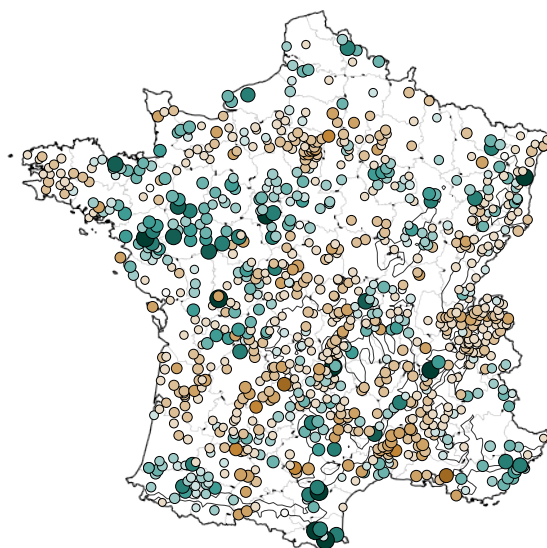
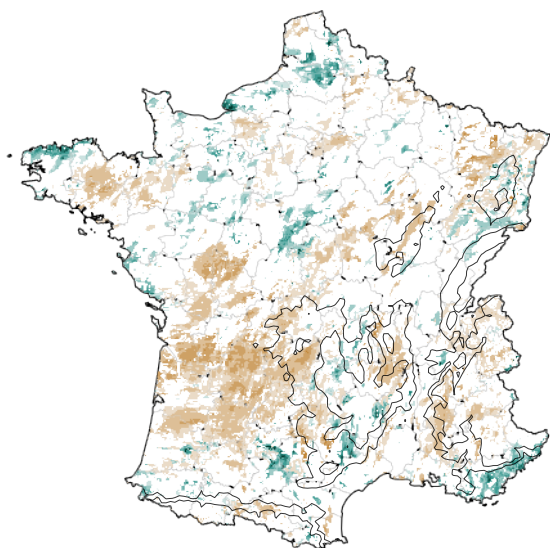


4.2.1.2 Tendances significatives

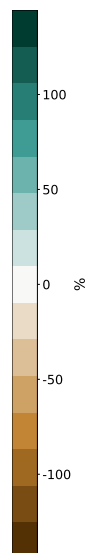
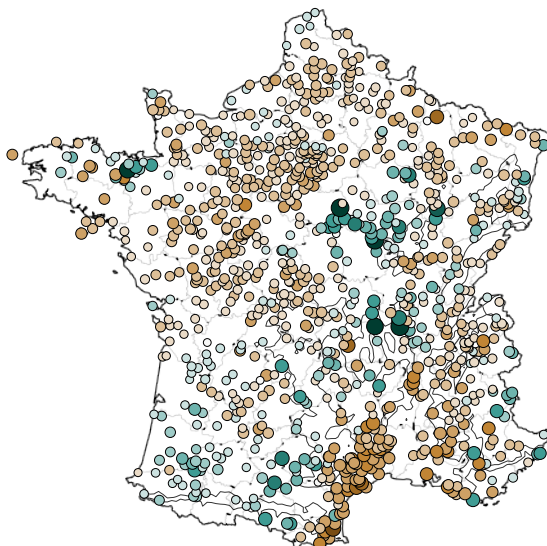
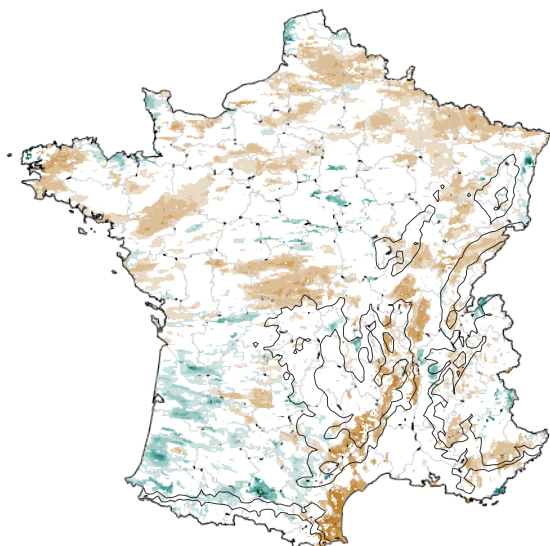
HYDRO
 $r = 0.35$
 $ME = -3.81$
 $n = 349$



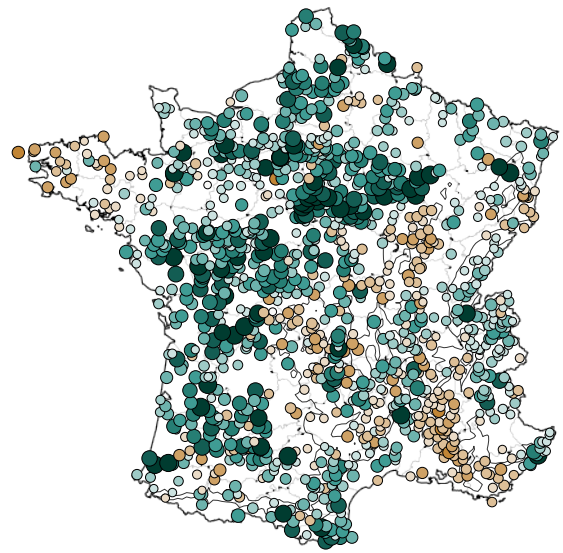
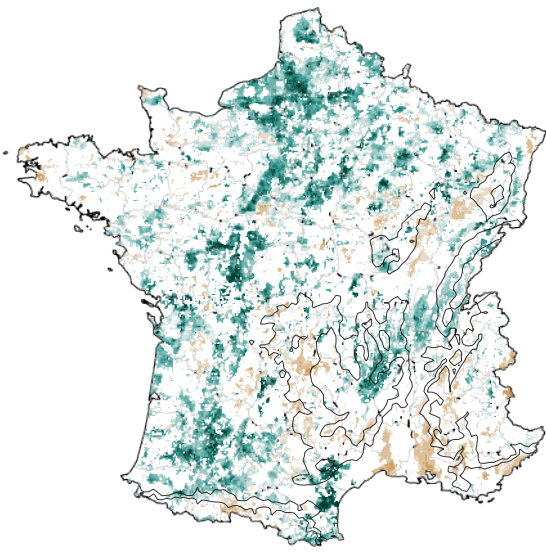
SON
 $r = 0.29$
 $ME = -3.63$
 $n = 352$



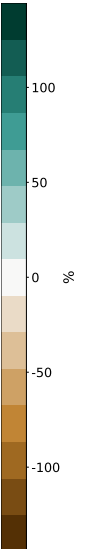
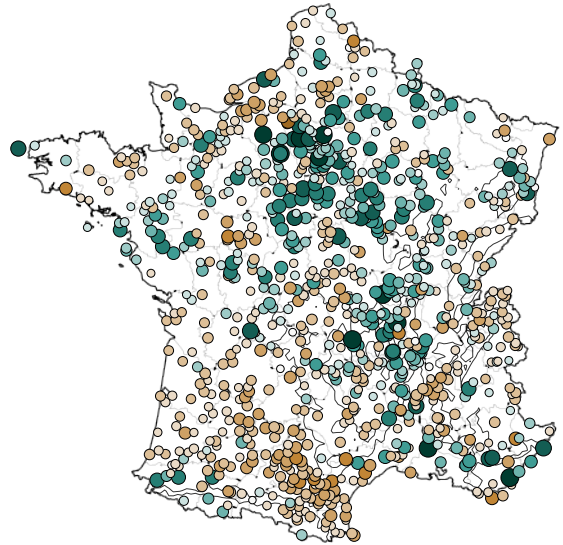
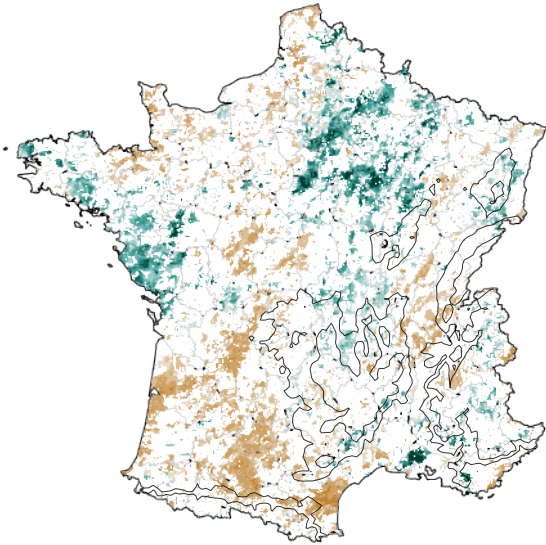
DJF
 $r = 0.44$
 $ME = -0.12$
 $n = 394$



MAM
 $r = 0.27$
 $ME = -5.55$
 $n = 534$



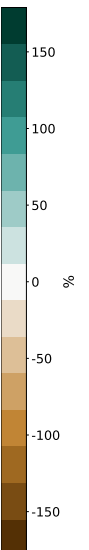
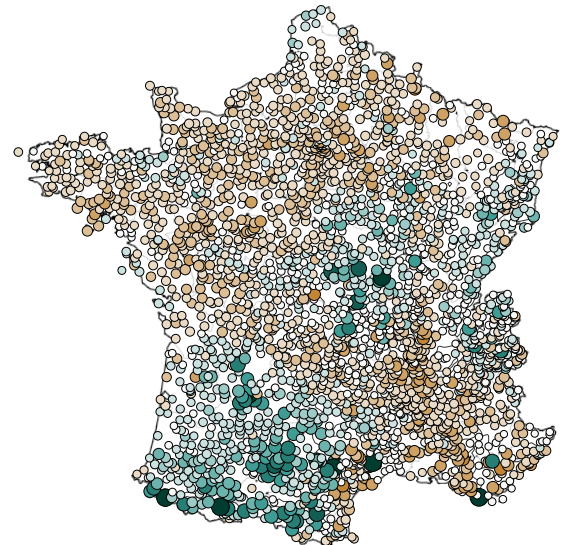
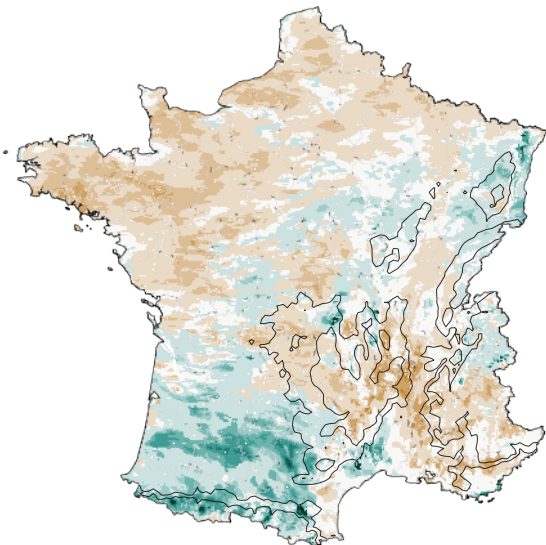
JJA
 $r = 0.33$
 $ME = 0.13$
 $n = 328$



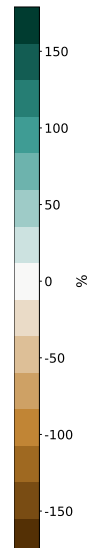
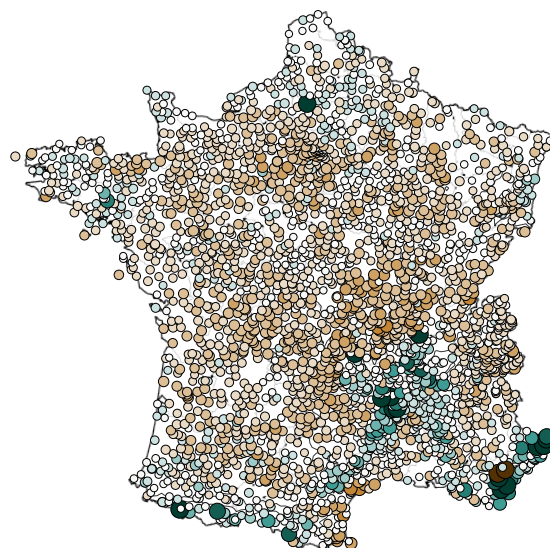
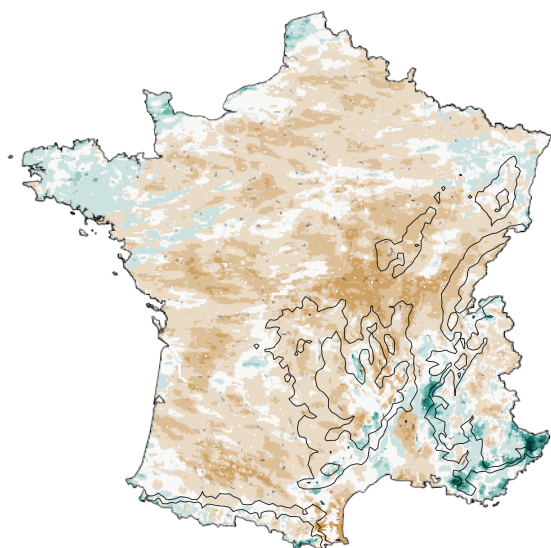
4.2.2 Par mois

4.2.2.1 Toutes tendances

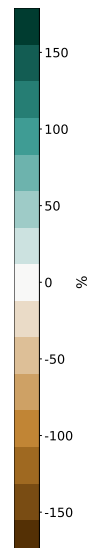
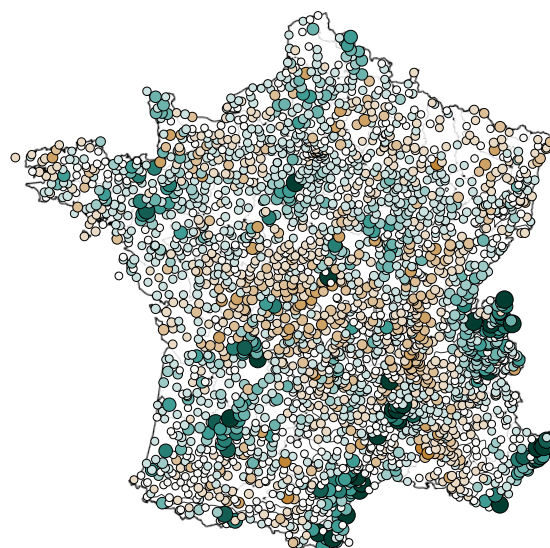
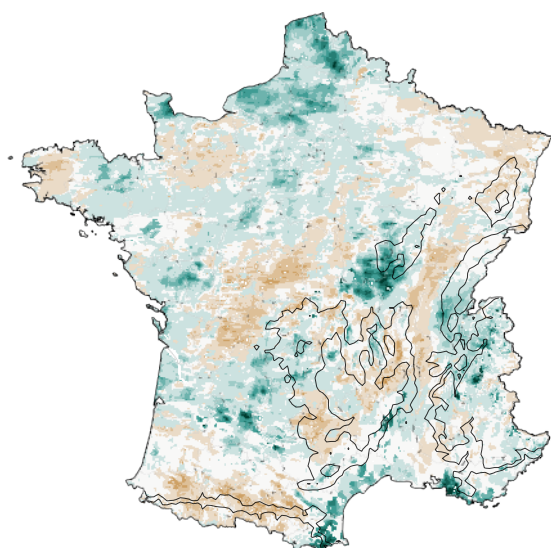
JAN
 $r = 0.47$
 $ME = 1.44$
 $n = 2800$



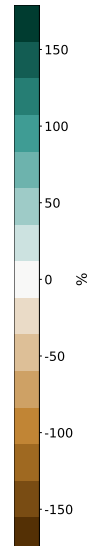
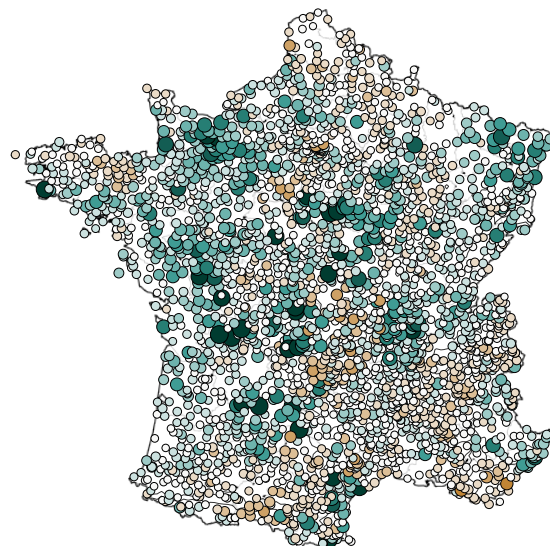
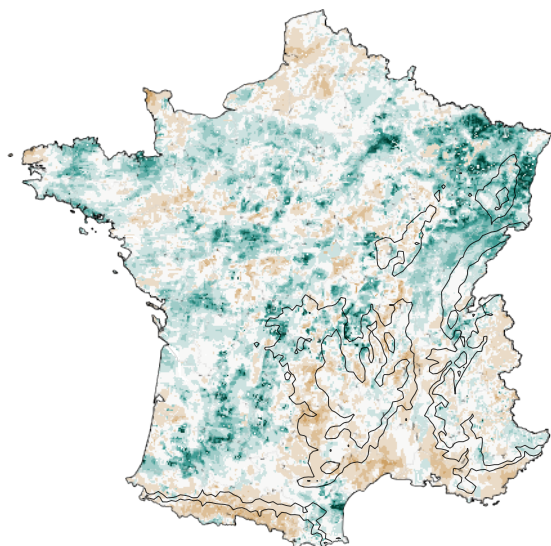
FEV
 $r = 0.02$
 $ME = 4.62$
 $n = 2793$



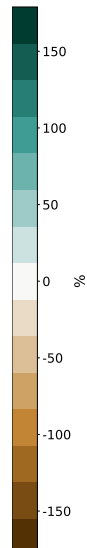
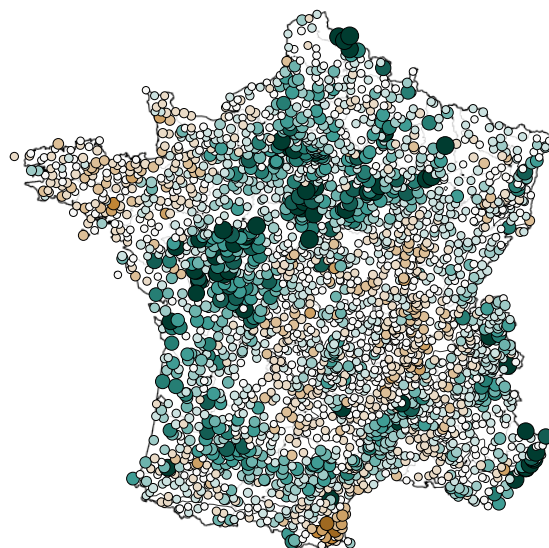
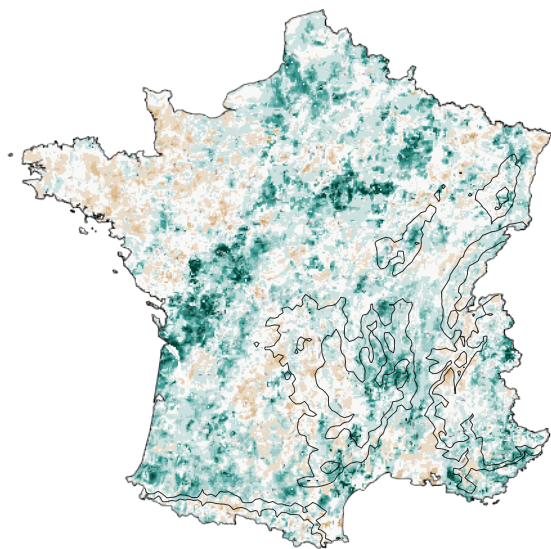
MAR
 $r = 0.21$
 $ME = -0.78$
 $n = 2793$



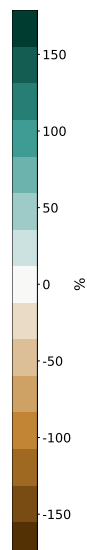
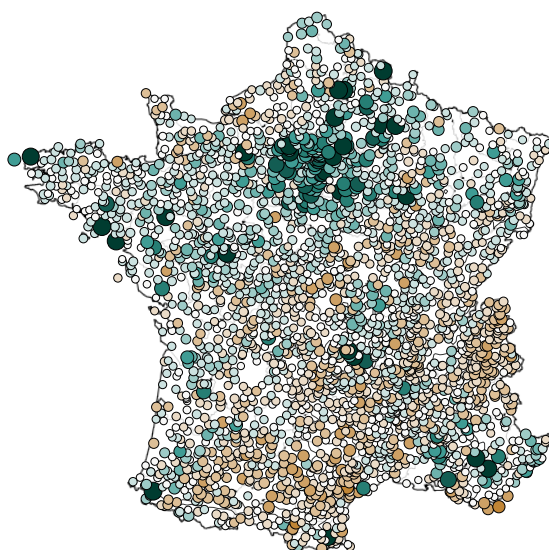
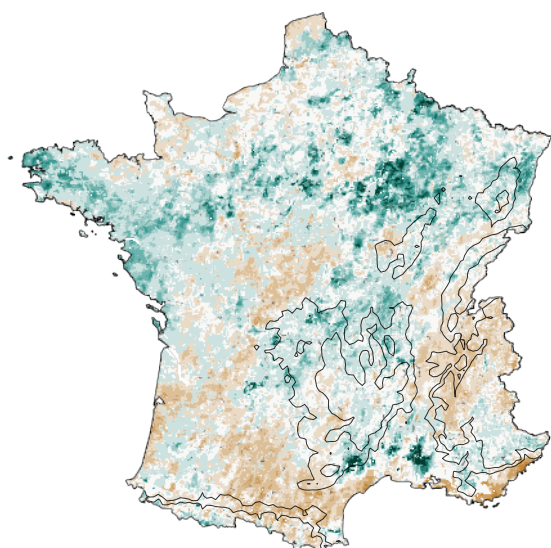
AVR
 $r = 0.16$
 $ME = -3.43$
 $n = 2765$



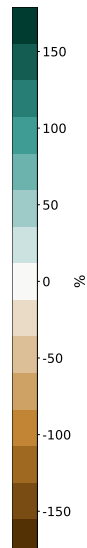
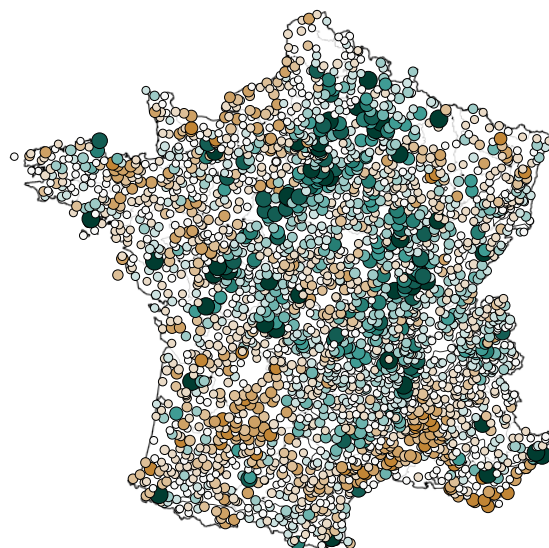
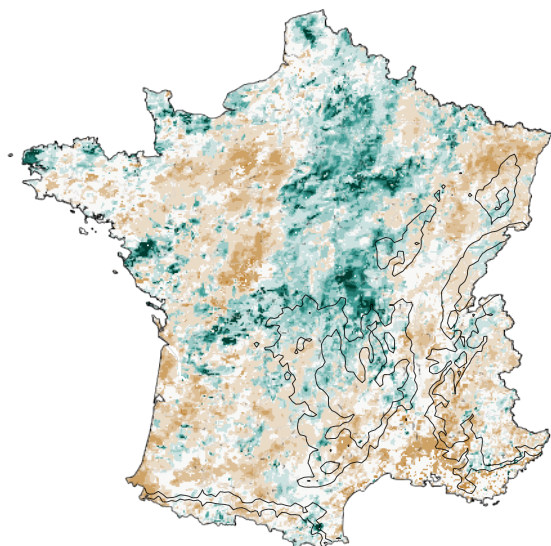
MAI
 $r = 0.18$
 $ME = -0.37$
 $n = 2745$



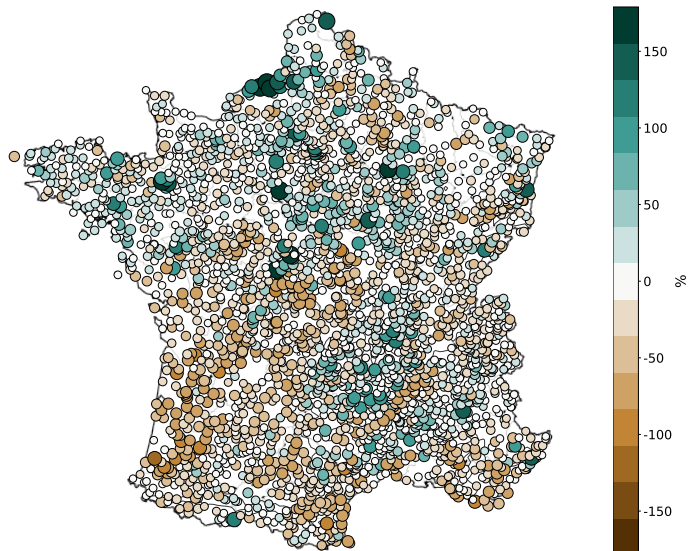
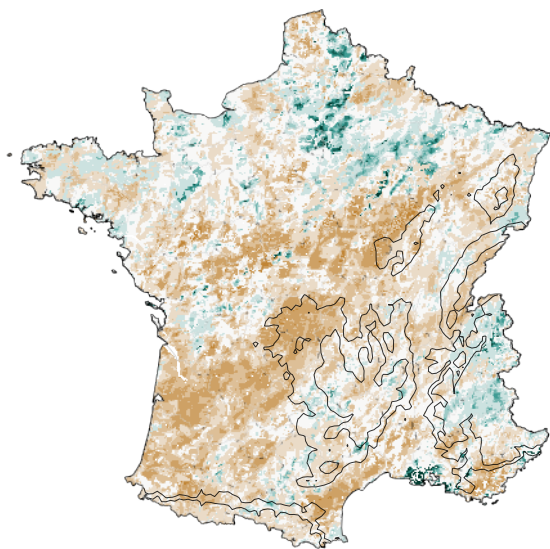
JUI
 $r = 0.19$
 $ME = 3.14$
 $n = 2751$



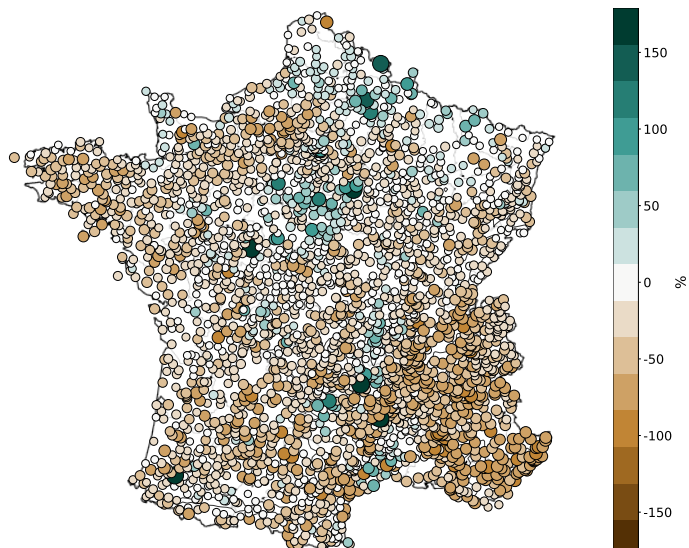
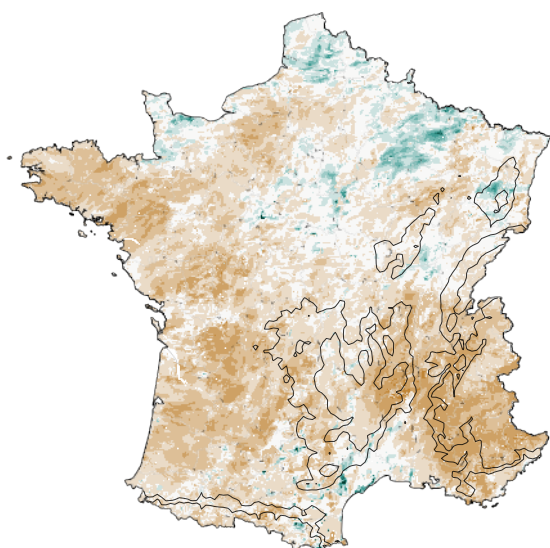
JUILL
 $r = 0.12$
 $ME = -0.35$
 $n = 2748$



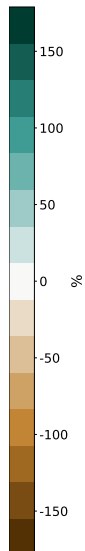
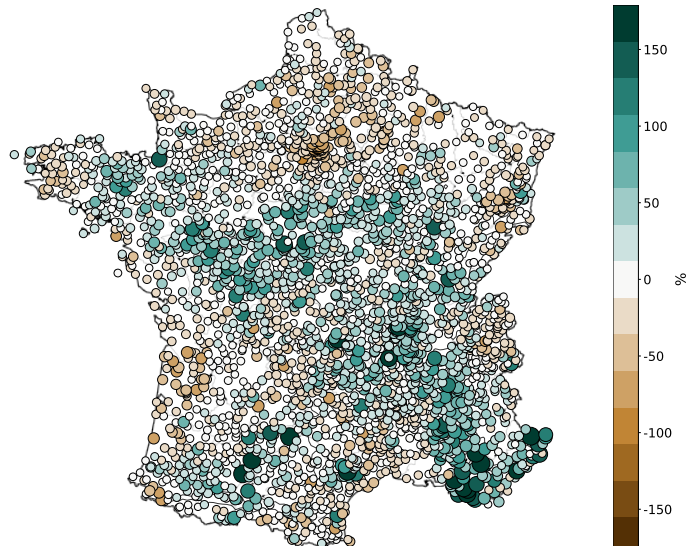
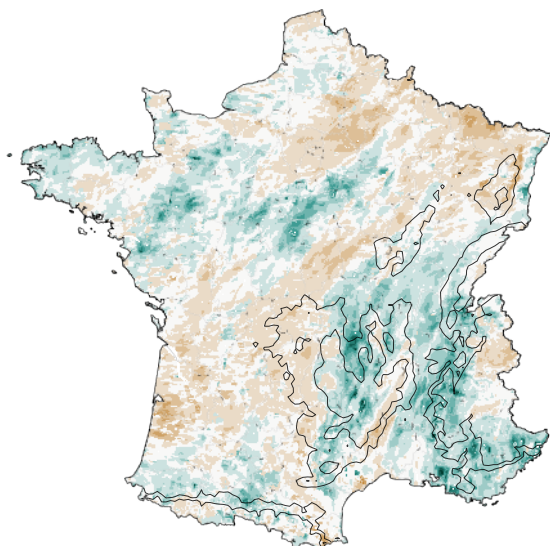
AOU
 $r = 0.11$
 $ME = -8.89$
 $n = 2747$



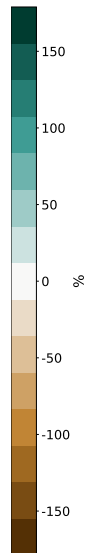
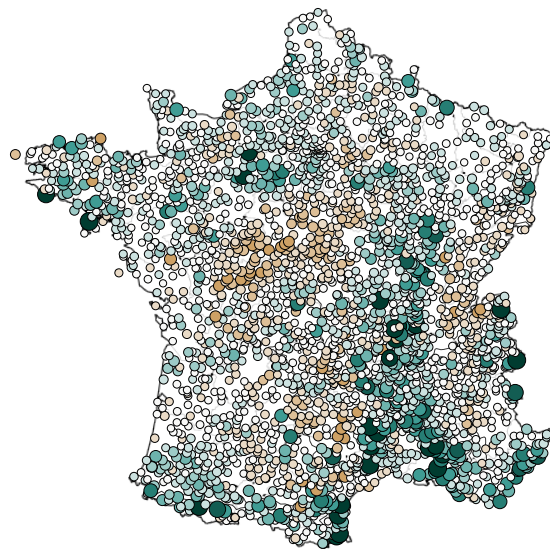
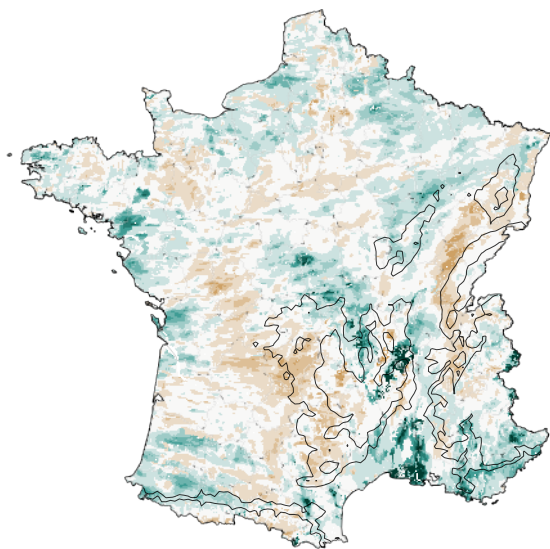
SEP
 $r = 0.31$
 $ME = -1.60$
 $n = 2755$



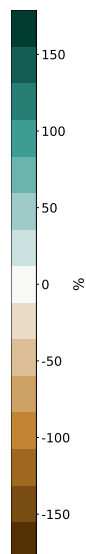
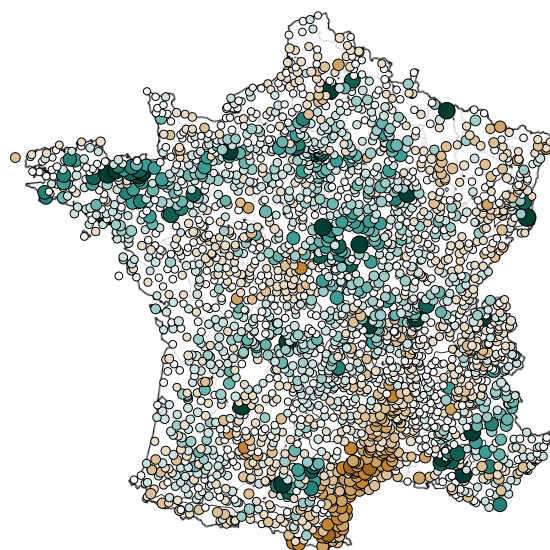
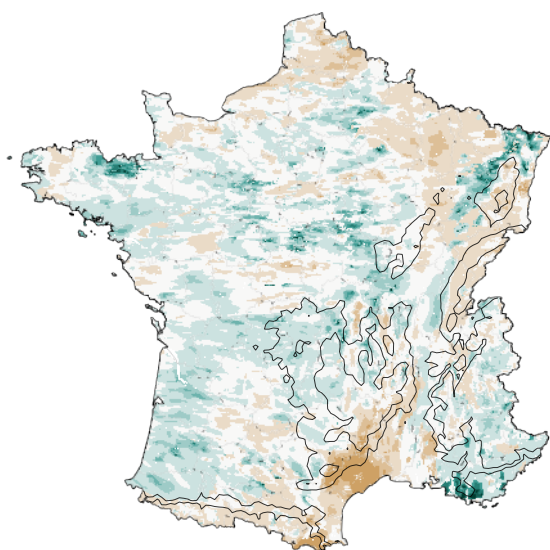
OCT
 $r = 0.29$
 $ME = -2.39$
 $n = 2748$



NOV
 $r = 0.16$
 $ME = -2.29$
 $n = 2741$

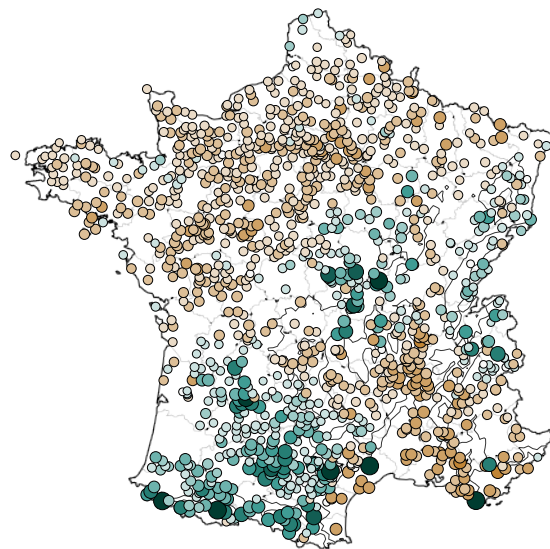
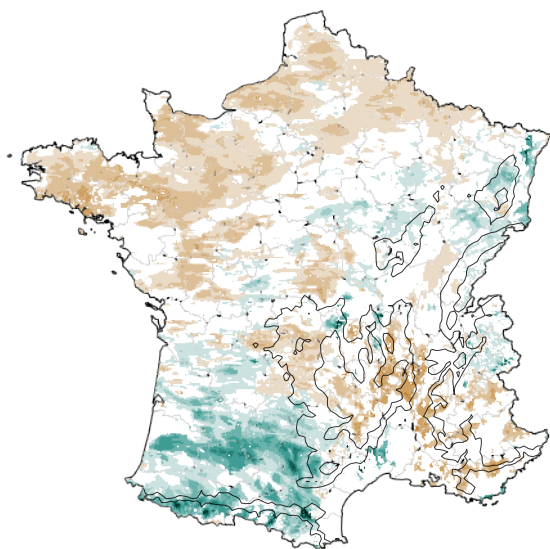


DEC
 $r = 0.35$
 $ME = -1.04$
 $n = 2741$

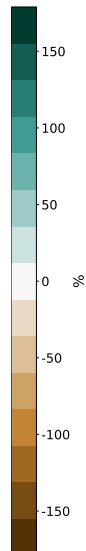
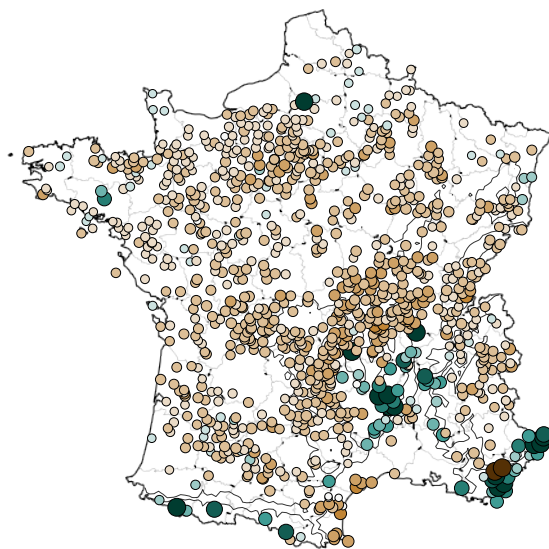
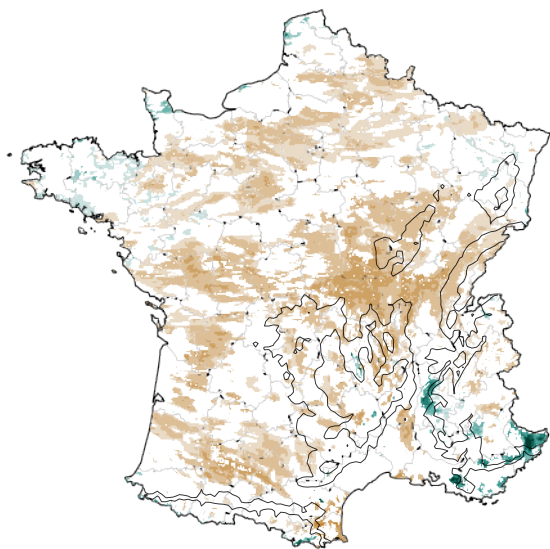


4.2.2.2 Tendances significatives

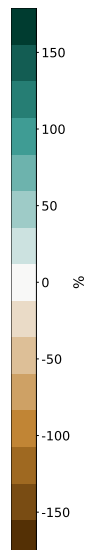
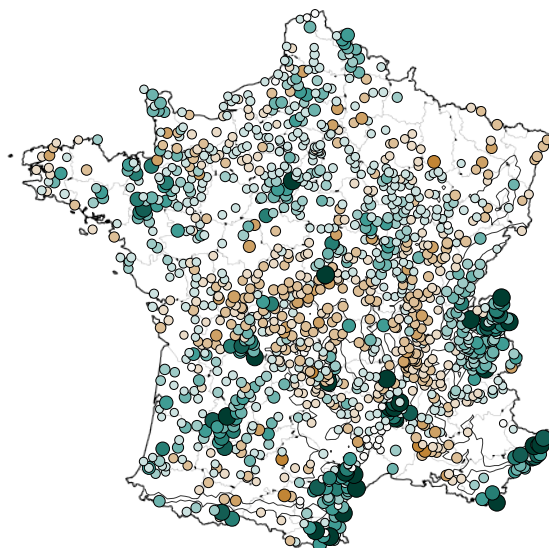
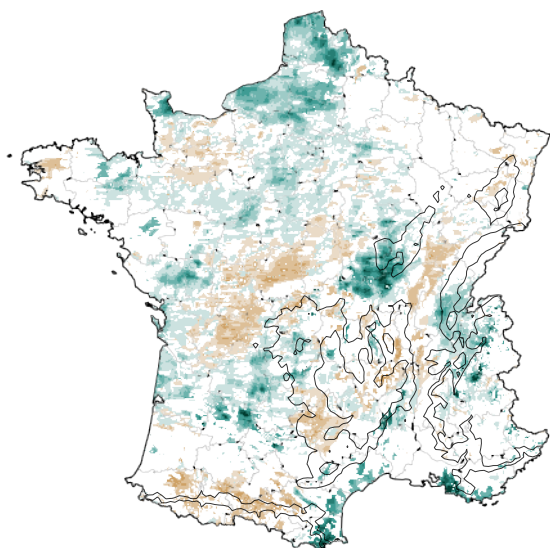
JAN
 $r = 0.69$
 $ME = -3.44$
 $n = 736$



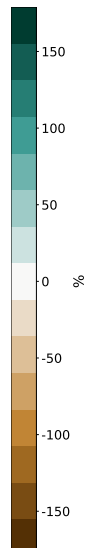
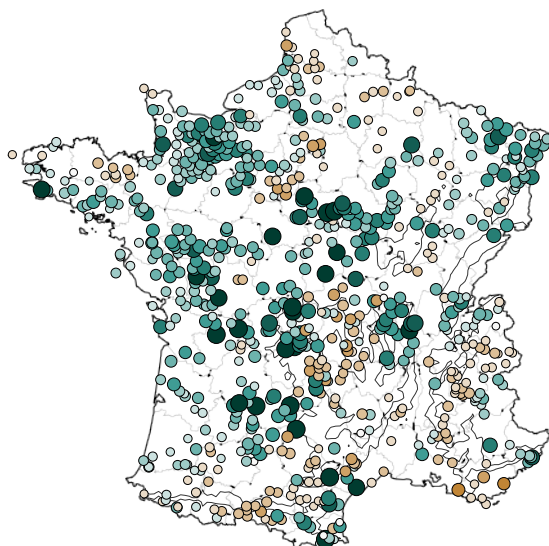
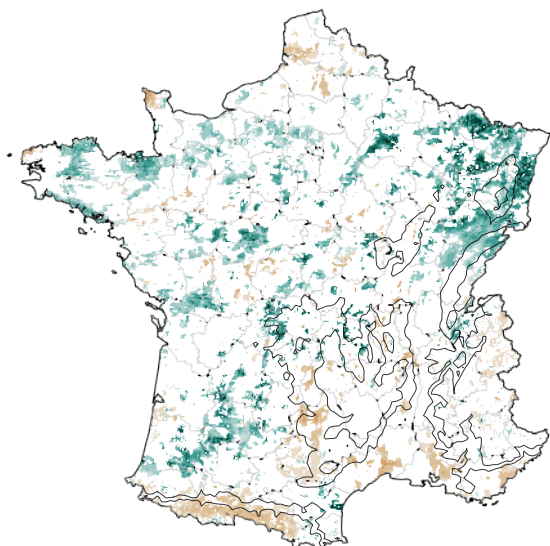
FEV
 $r = 0.60$
 $ME = -1.53$
 $n = 515$



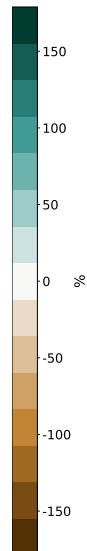
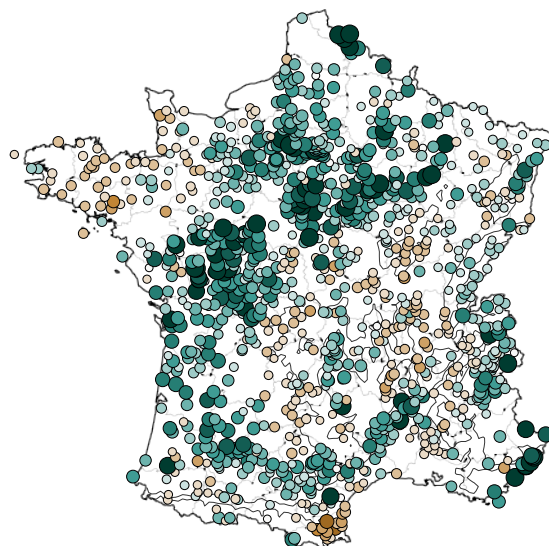
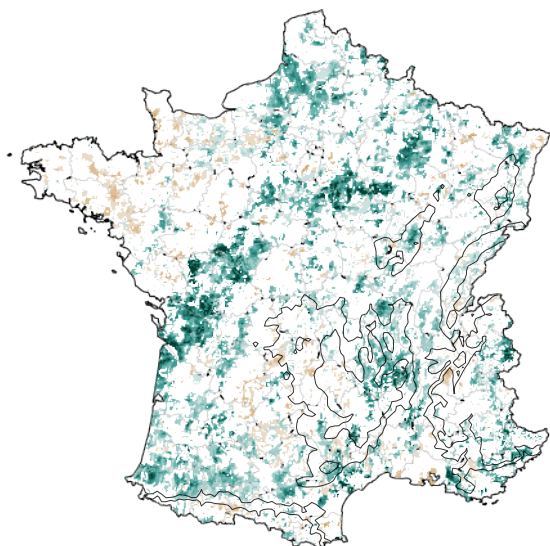
MAR
 $r = 0.37$
 $ME = 1.47$
 $n = 687$



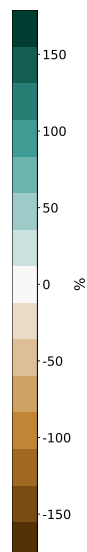
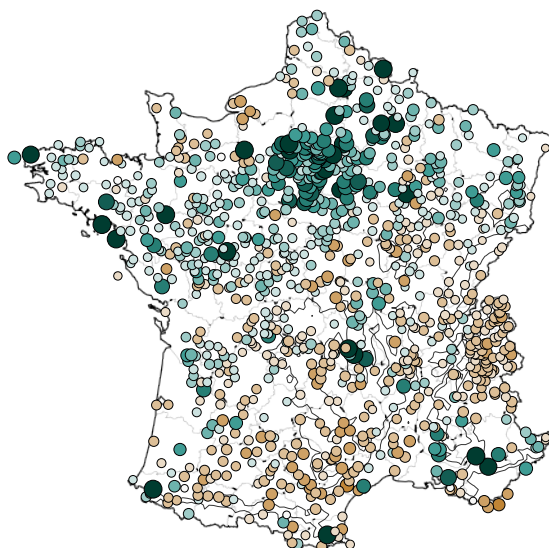
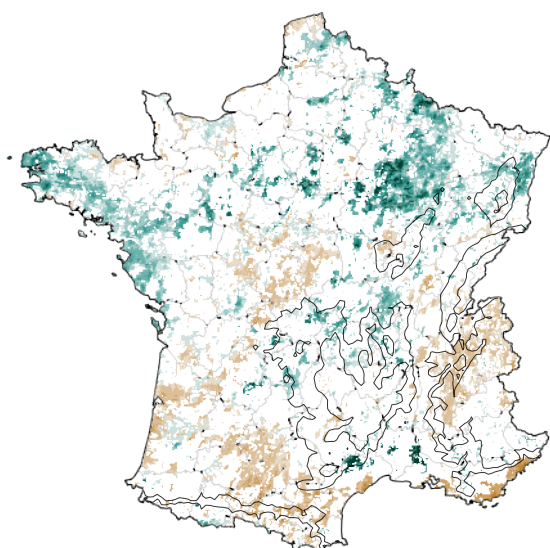
AVR
 $r = 0.43$
 $ME = 2.22$
 $n = 218$



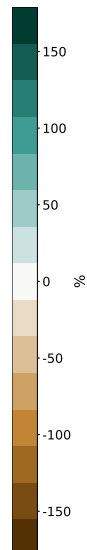
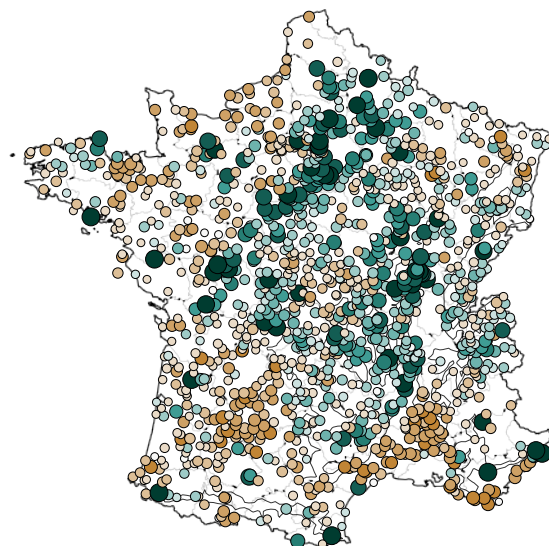
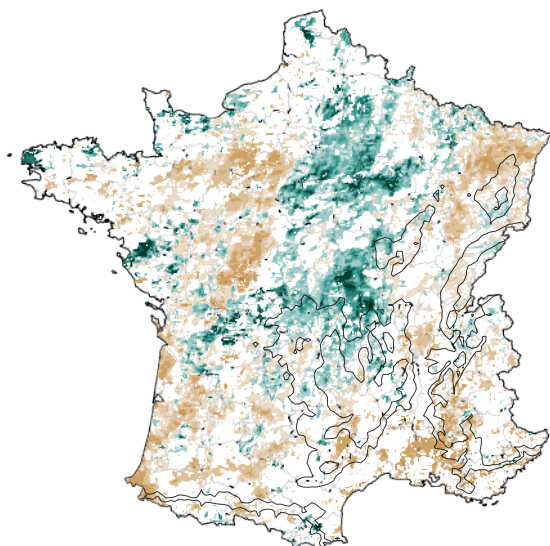
MAI
 $r = 0.34$
 $ME = 3.92$
 $n = 410$



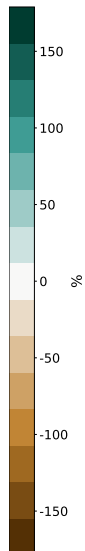
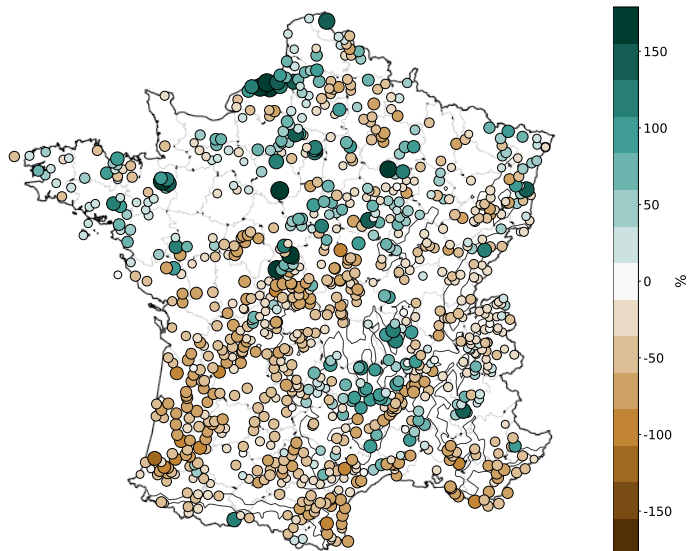
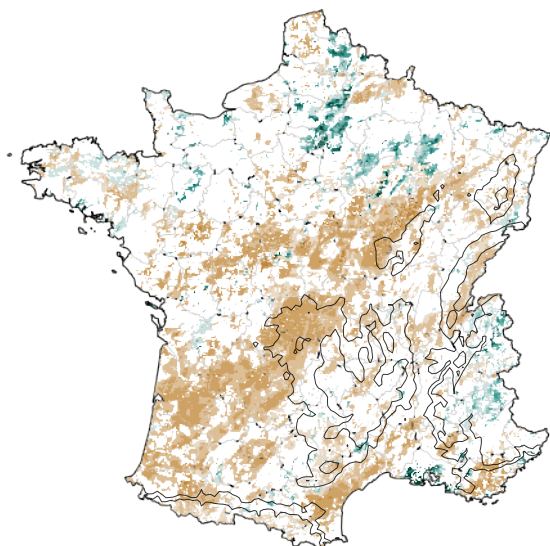
JUI
 $r = 0.41$
 $ME = 2.19$
 $n = 370$



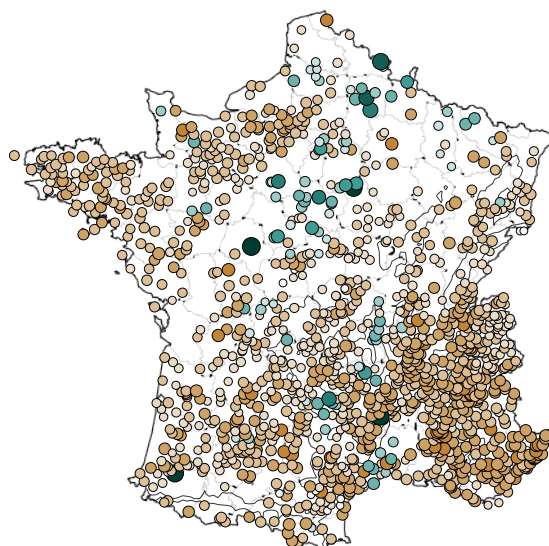
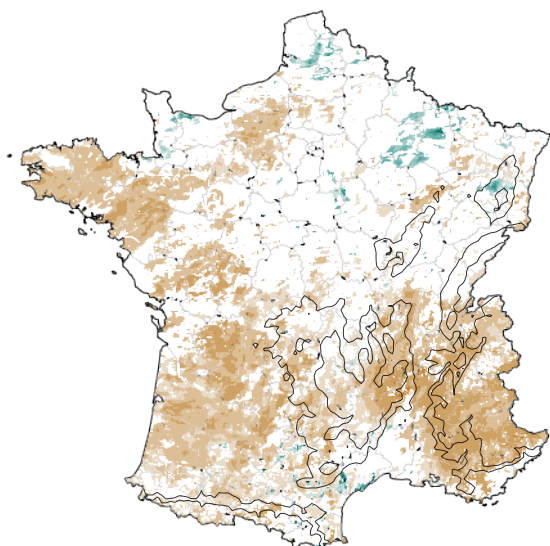
JUILL
 $r = 0.17$
 $ME = -2.92$
 $n = 699$



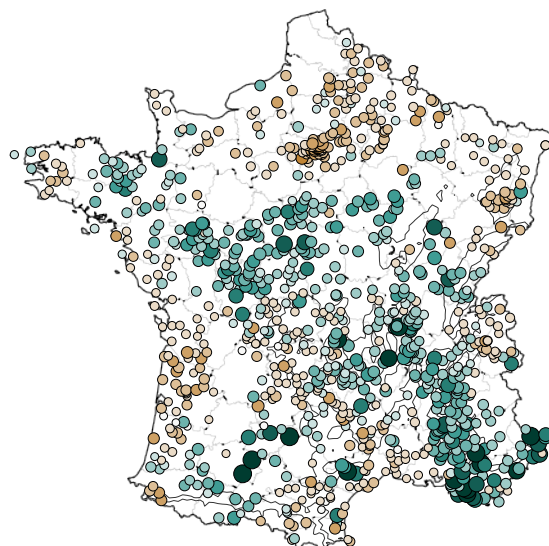
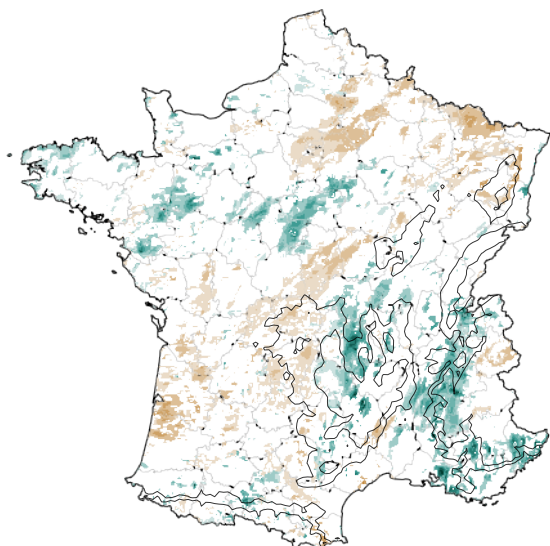
AOU
 $r = 0.18$
 $ME = -15.03$
 $n = 463$



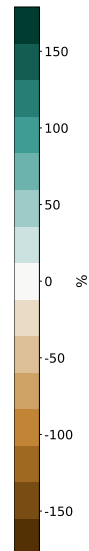
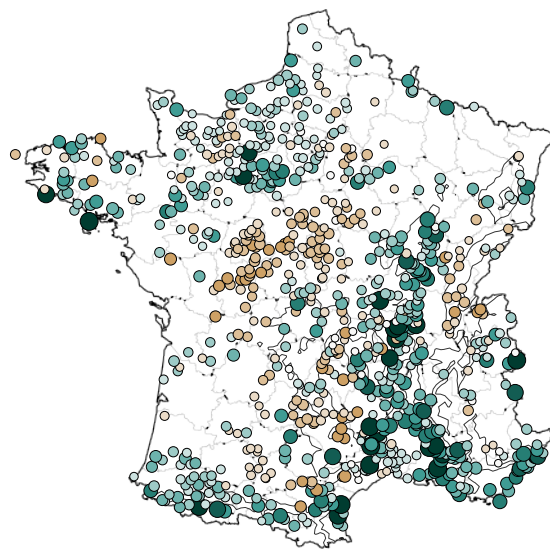
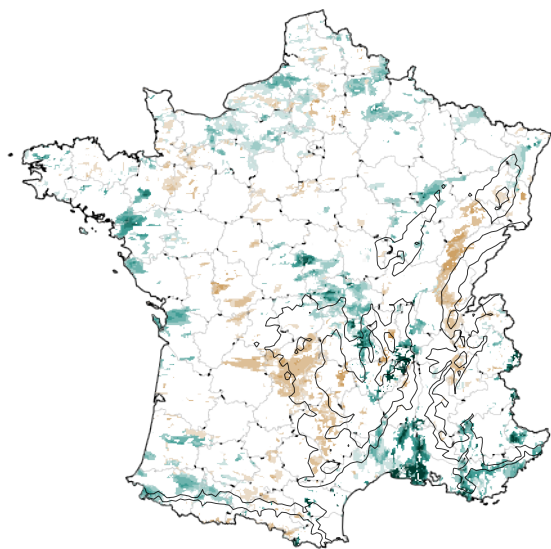
SEP
 $r = 0.24$
 $ME = 0.42$
 $n = 797$



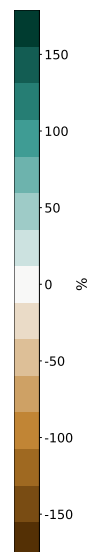
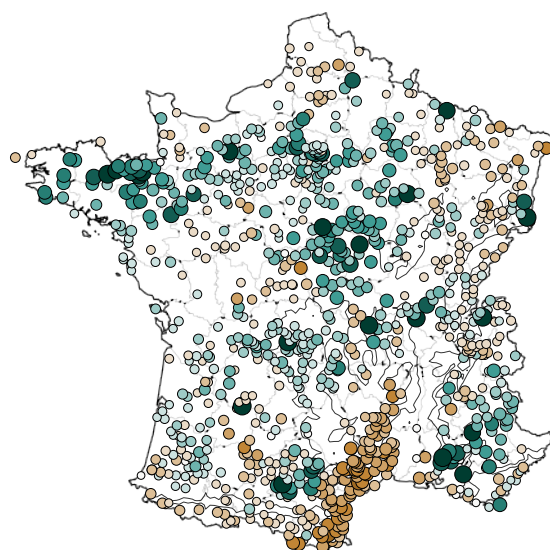
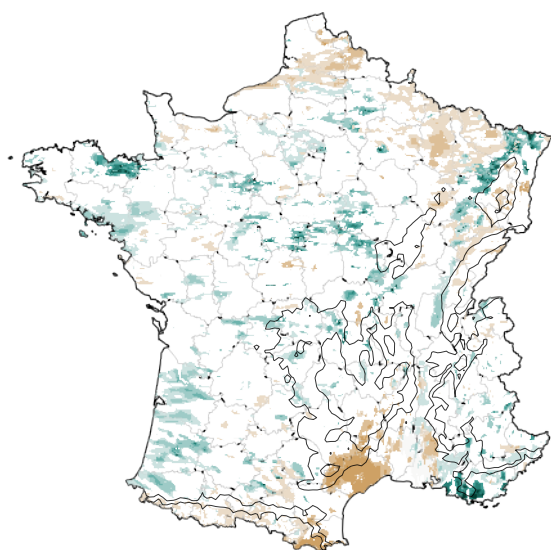
OCT
 $r = 0.60$
 $ME = -2.00$
 $n = 346$



NOV
 $r = 0.40$
 $ME = 9.48$
 $n = 215$



DEC
 $r = 0.60$
 $ME = 1.41$
 $n = 316$

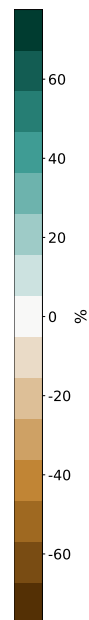
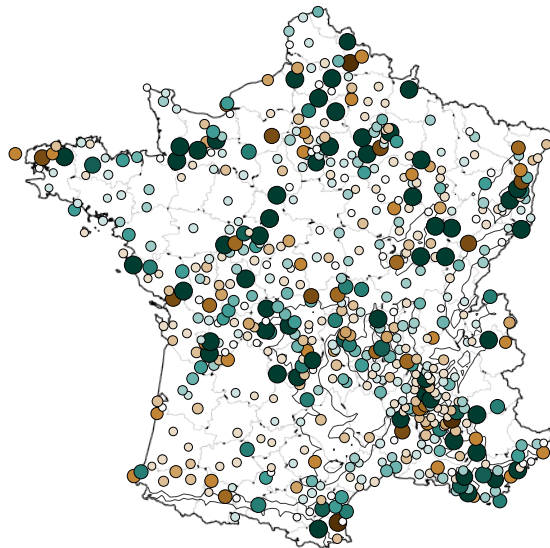
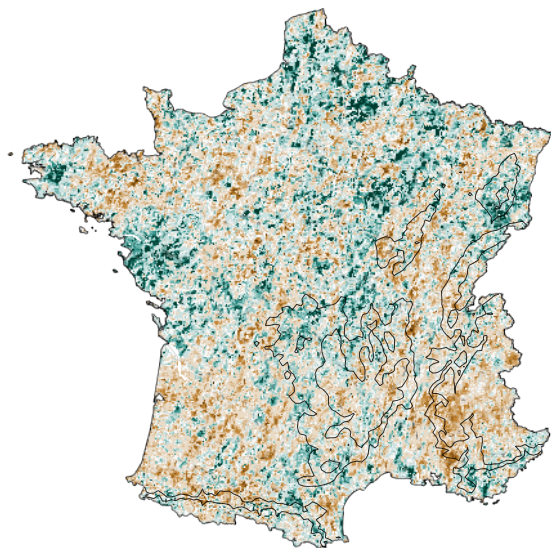


4.3 Données horaire (1990-2022)

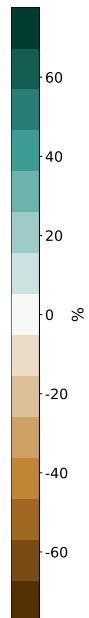
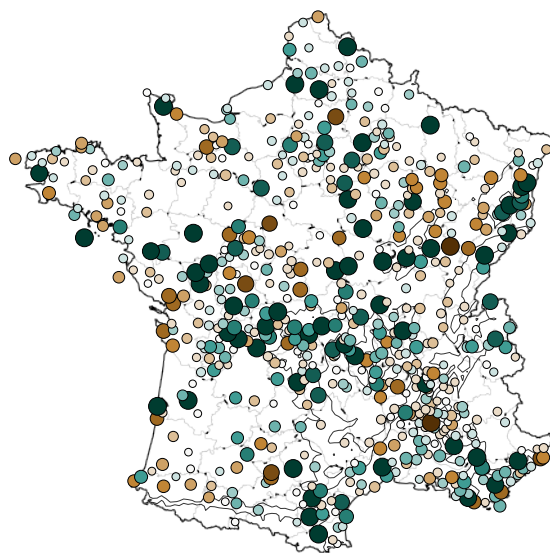
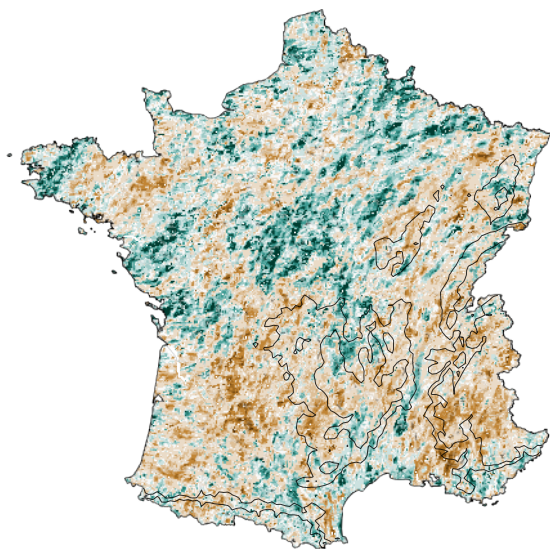
4.3.1 Par saison

4.3.1.1 Toutes tendances

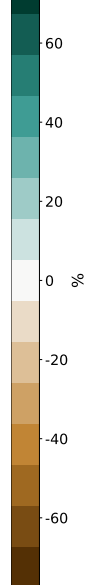
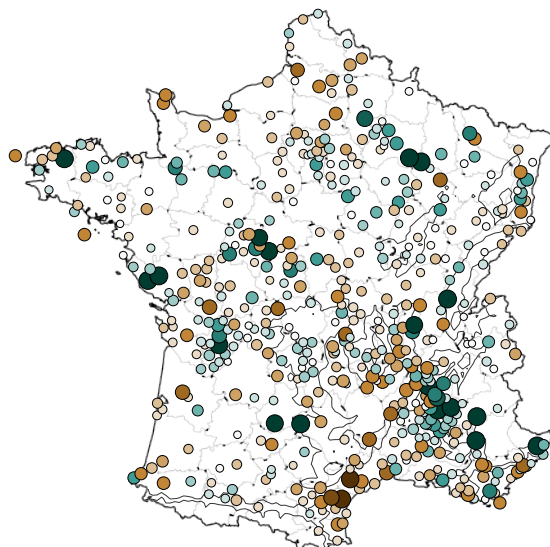
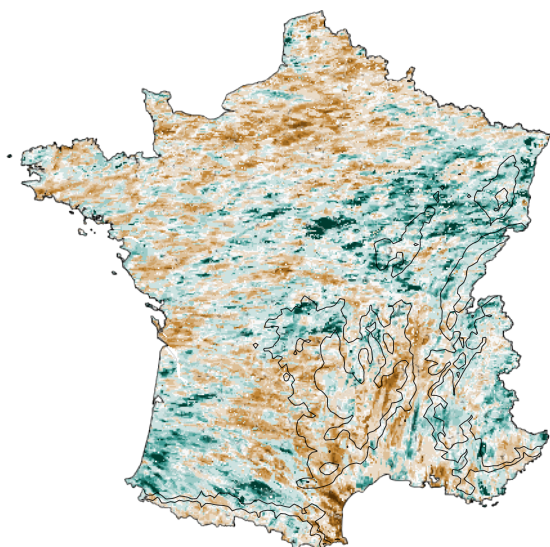
HYDRO
 $r = 0.02$
 $ME = -11.05$
 $n = 574$



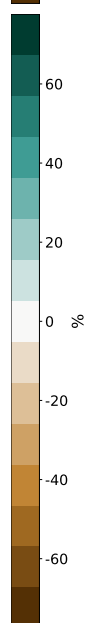
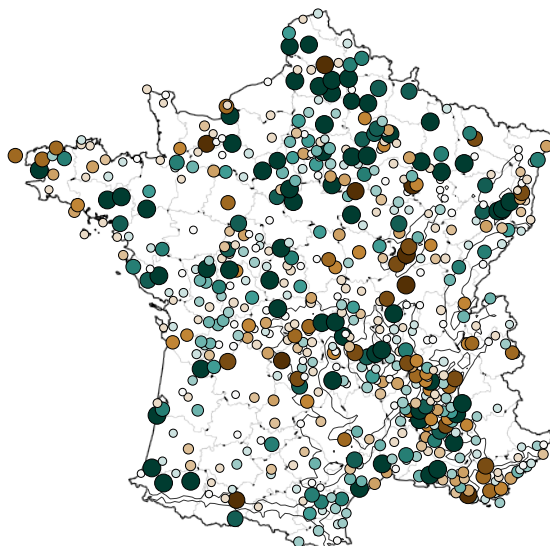
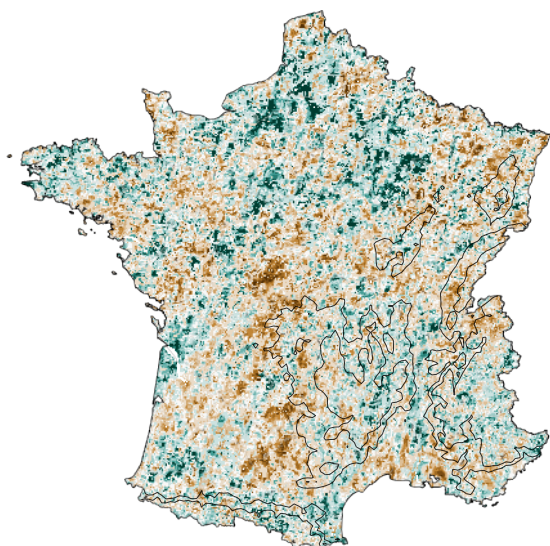
SON
 $r = 0.05$
 $ME = -9.70$
 $n = 609$



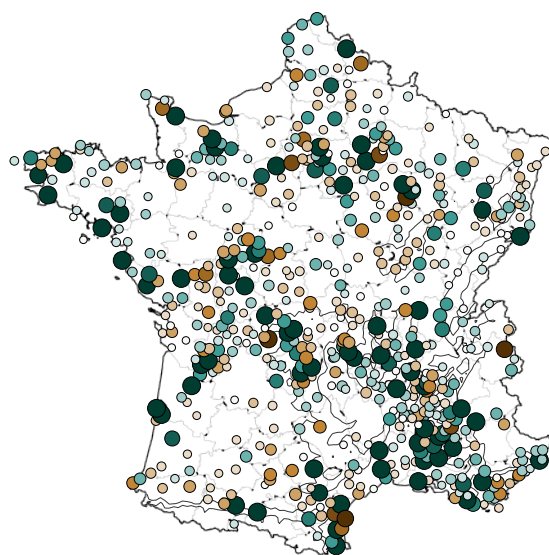
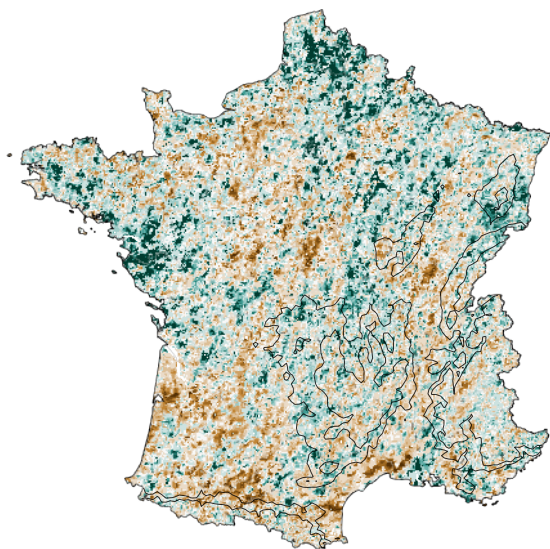
DJF
 $r = 0.05$
 $ME = 0.44$
 $n = 511$



MAM
 $r = -0.08$
 $ME = -10.49$
 $n = 589$

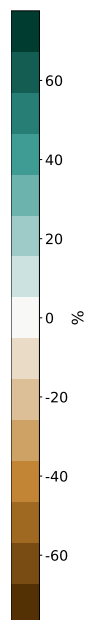
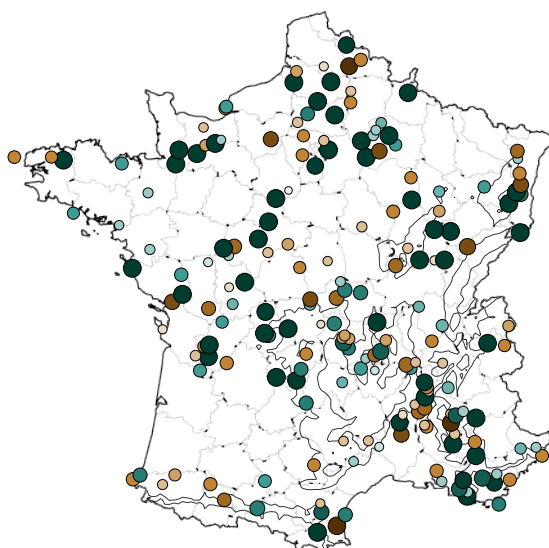
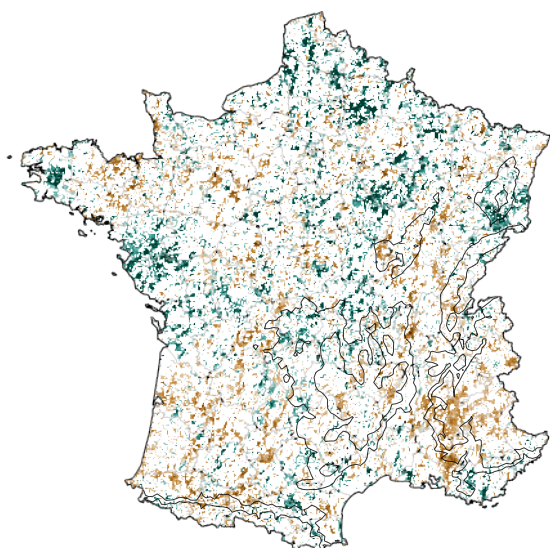


JJA
 $r = -0.04$
 $ME = -11.16$
 $n = 606$

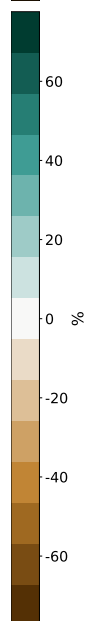
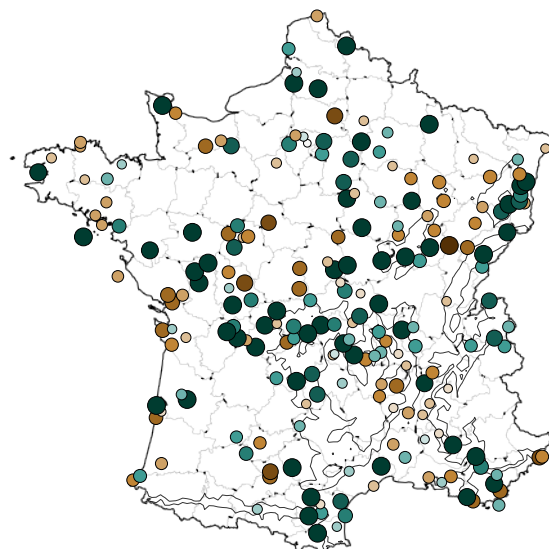
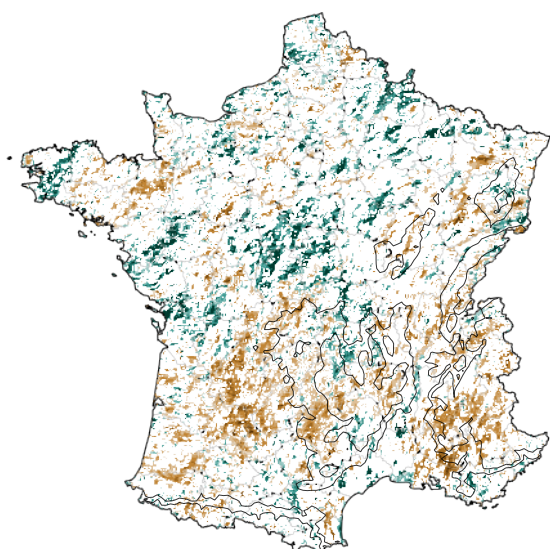


4.3.1.2 Tendances significatives

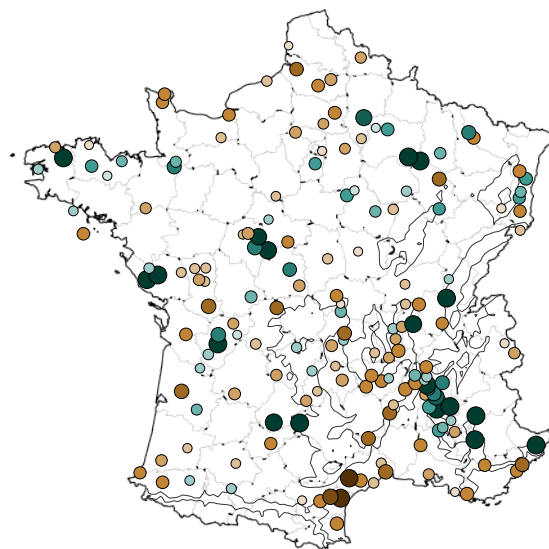
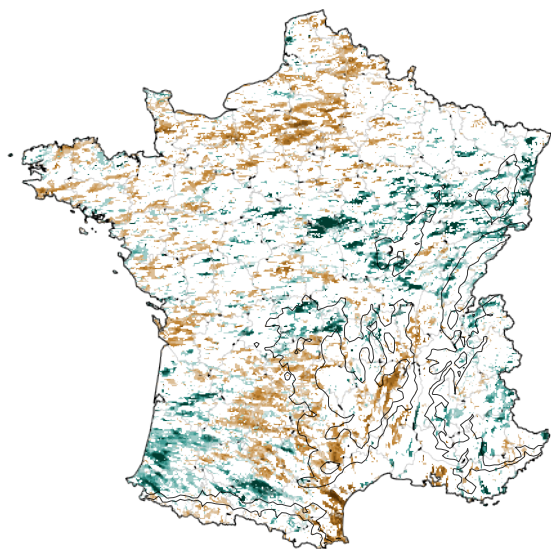
HYDRO
 $r = 0.13$
 $ME = -37.63$
 $n = 68$



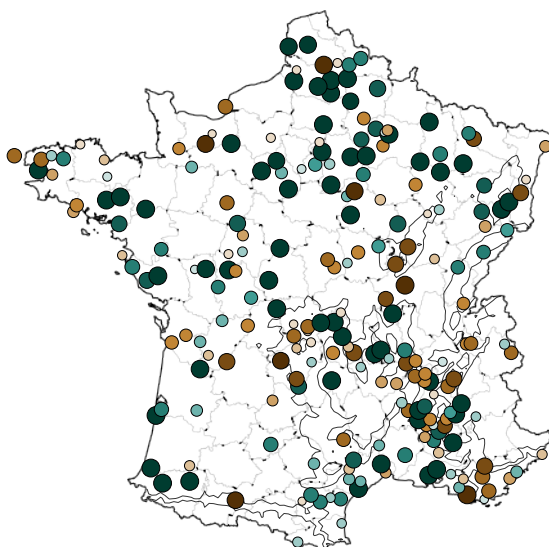
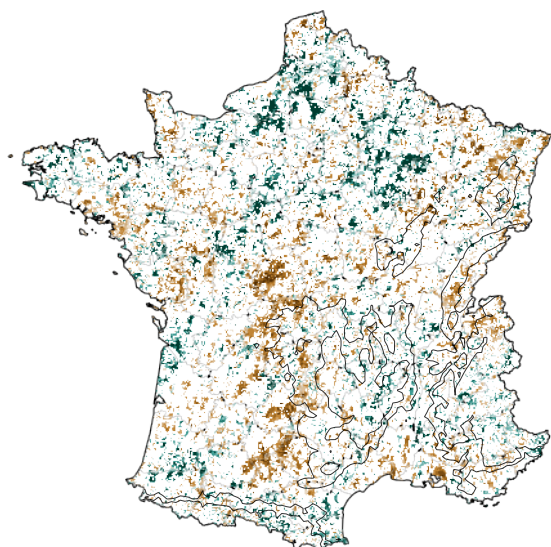
SON
 $r = 0.12$
 $ME = -14.40$
 $n = 81$



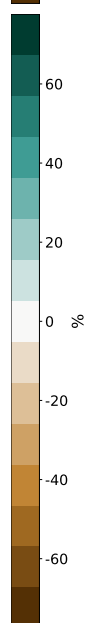
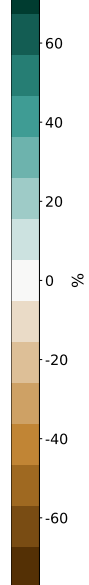
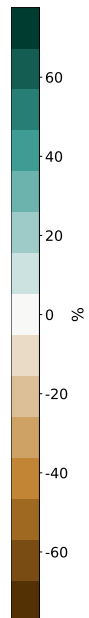
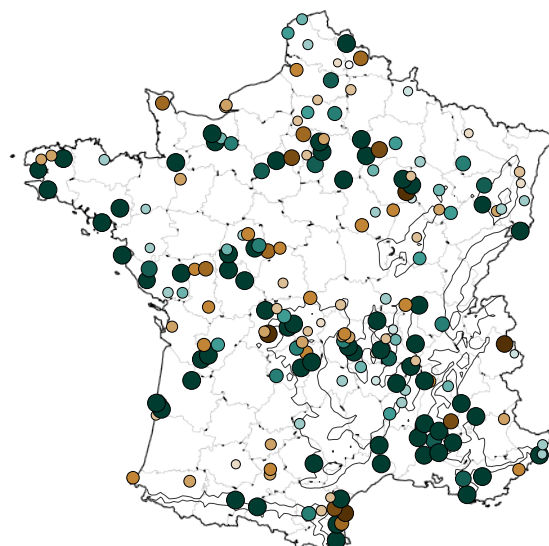
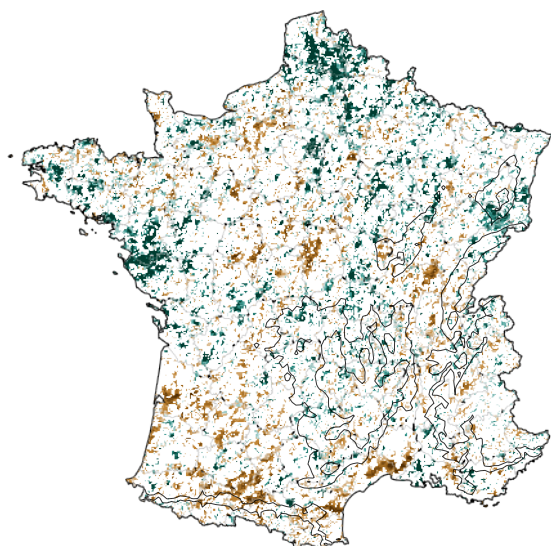
DJF
 $r = 0.06$
 $ME = 6.53$
 $n = 59$



MAM
 $r = -0.20$
 $ME = -18.71$
 $n = 84$



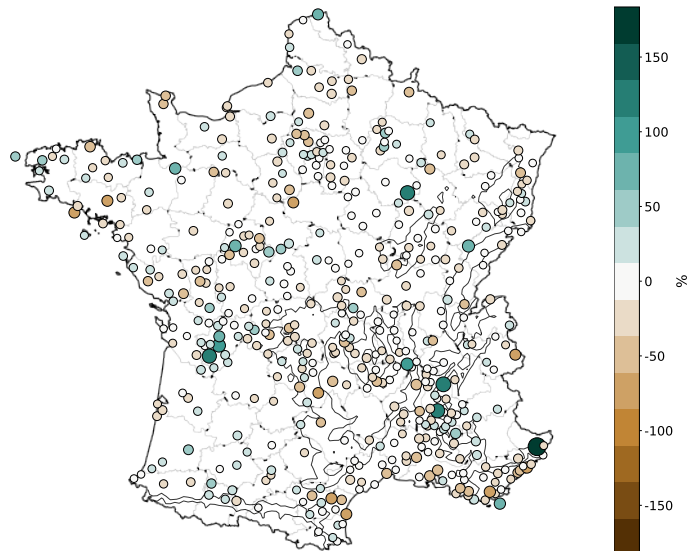
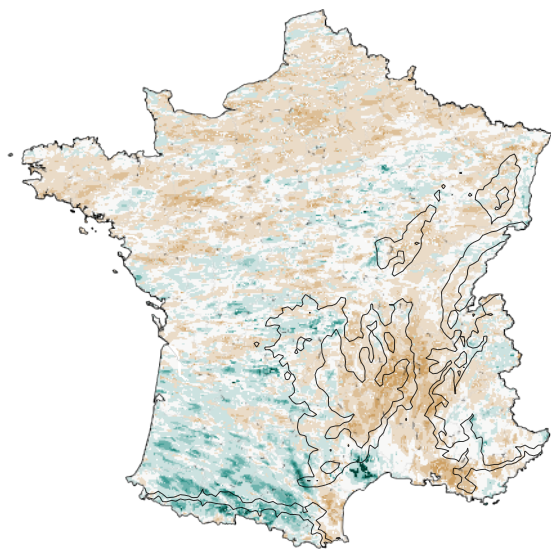
JJA
 $r = -0.07$
 $ME = -11.83$
 $n = 54$



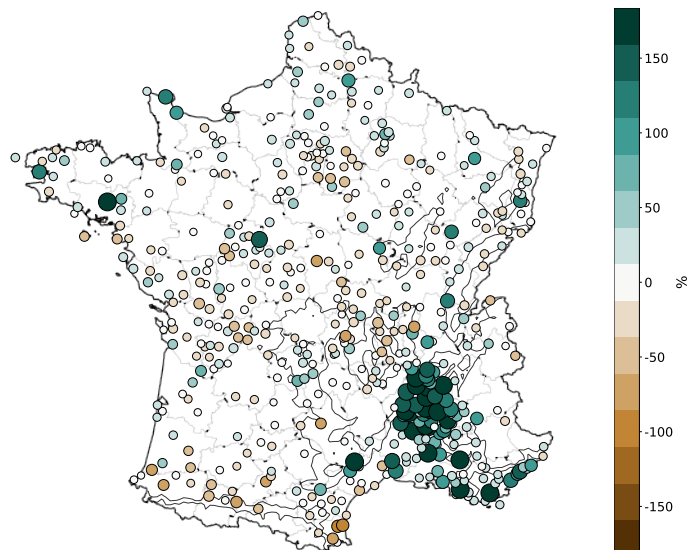
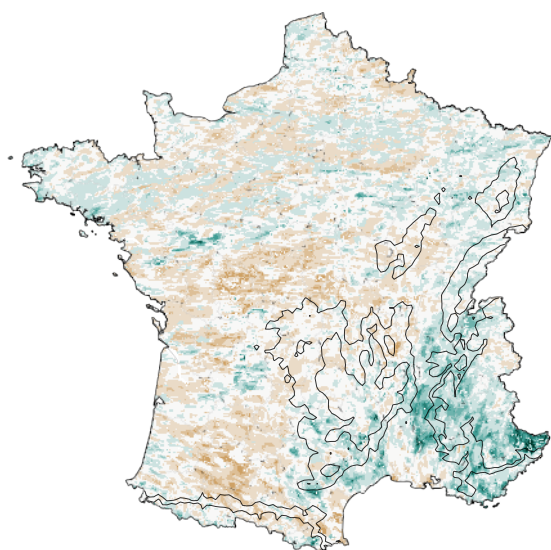
4.3.2 Par mois

4.3.2.1 Toutes tendances

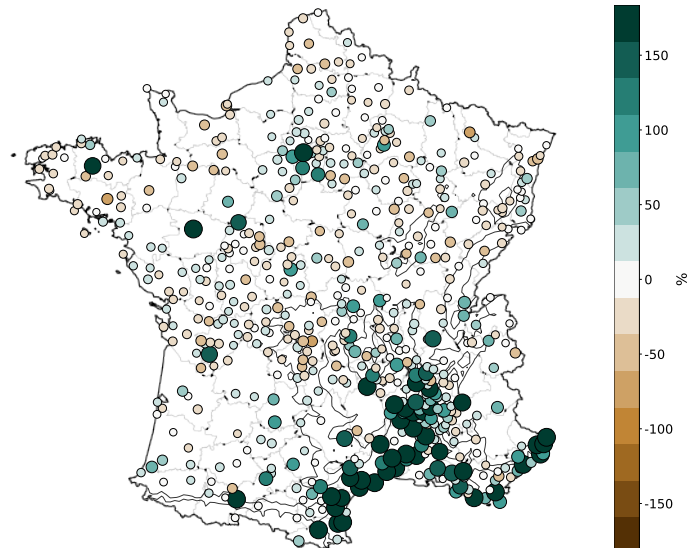
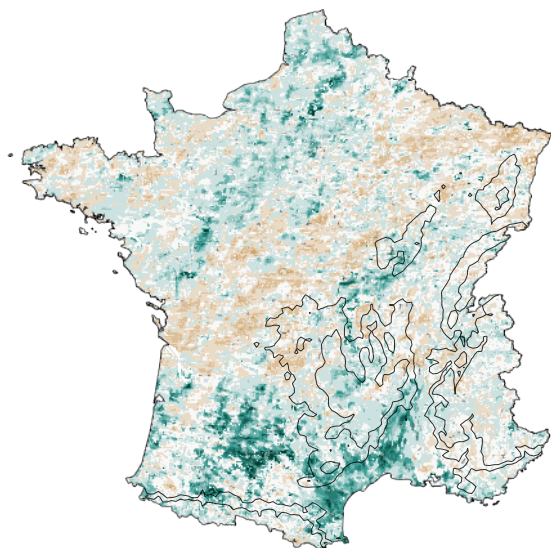
JAN
 $r = 0.08$
 $ME = -3.56$
 $n = 488$



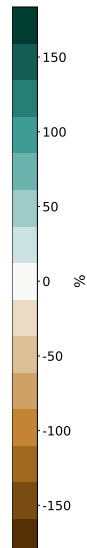
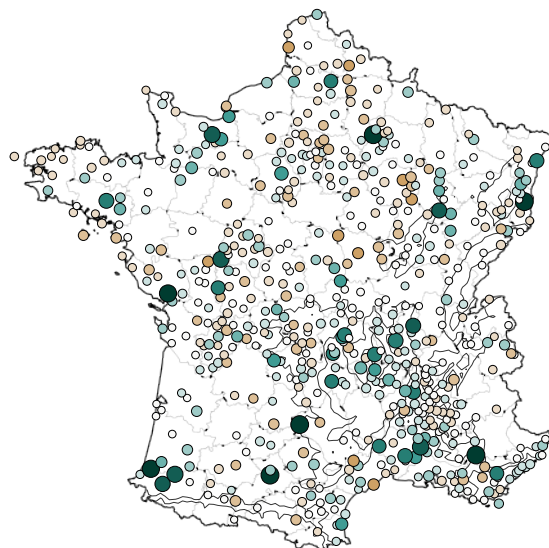
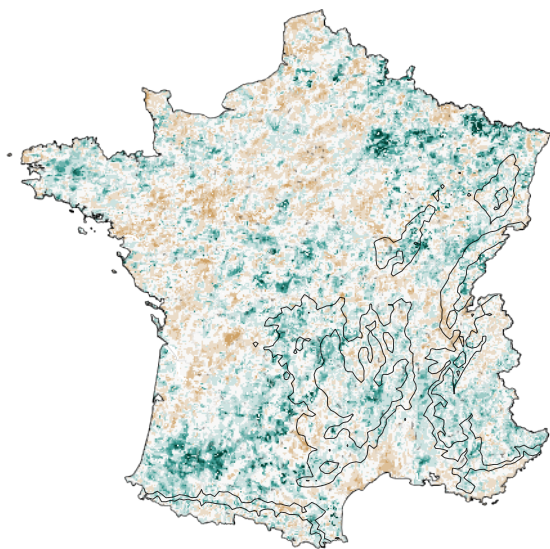
FEV
 $r = 0.42$
 $ME = -17.21$
 $n = 508$



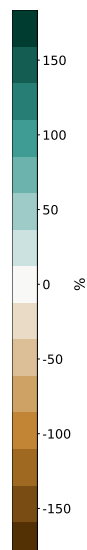
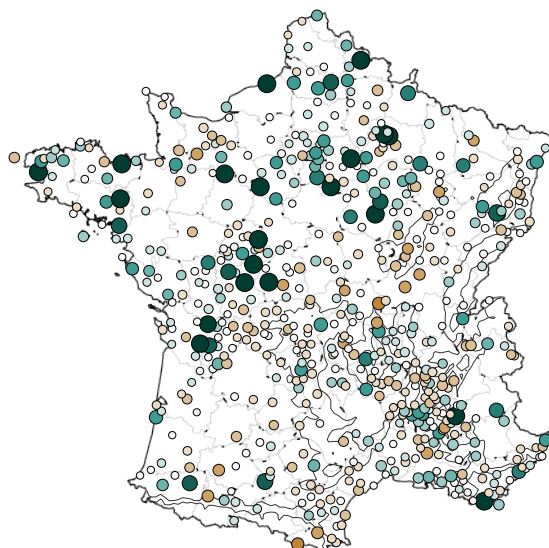
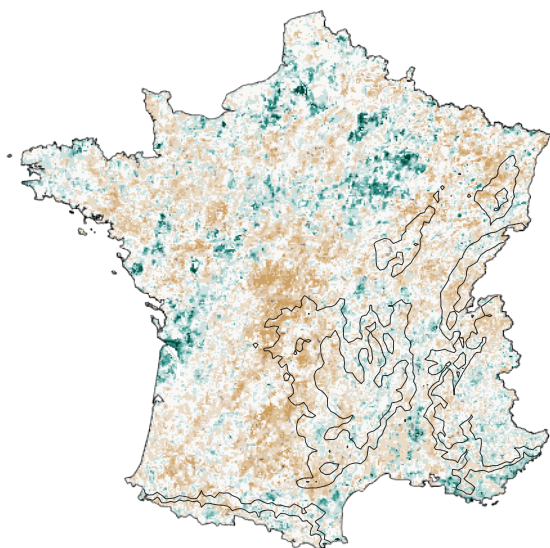
MAR
 $r = 0.23$
 $ME = -15.20$
 $n = 588$



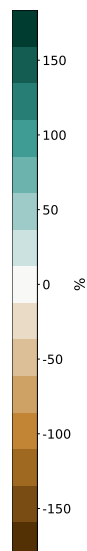
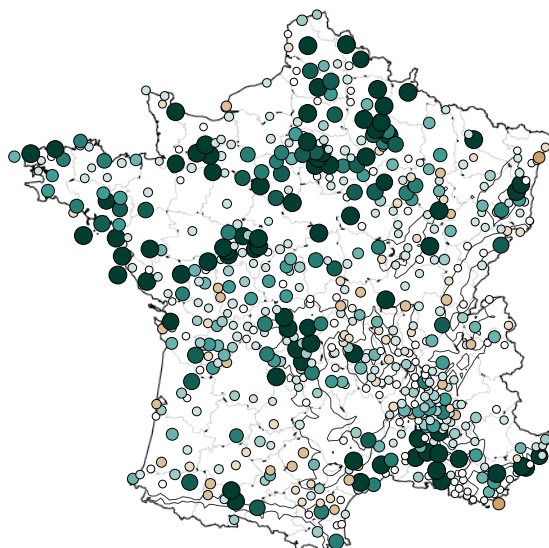
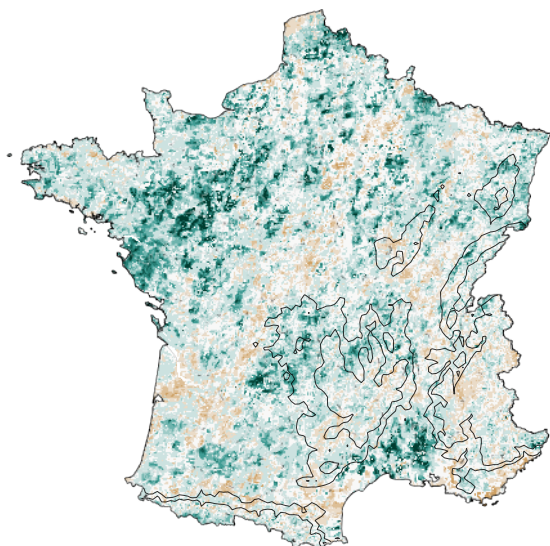
AVR
 $r = 0.12$
 $ME = 0.42$
 $n = 600$



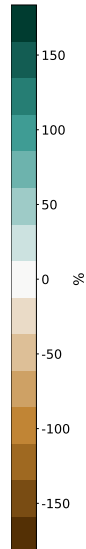
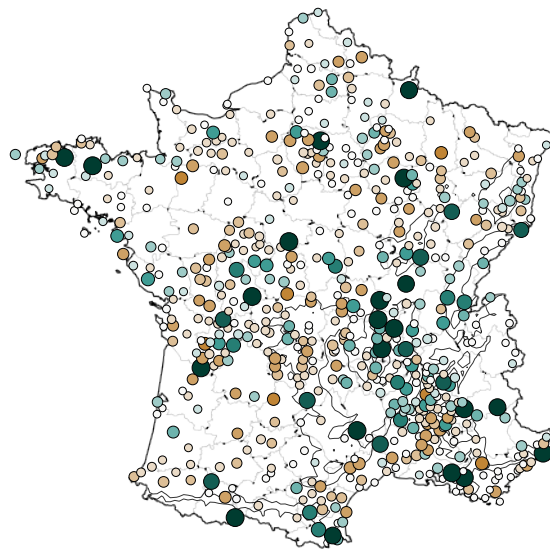
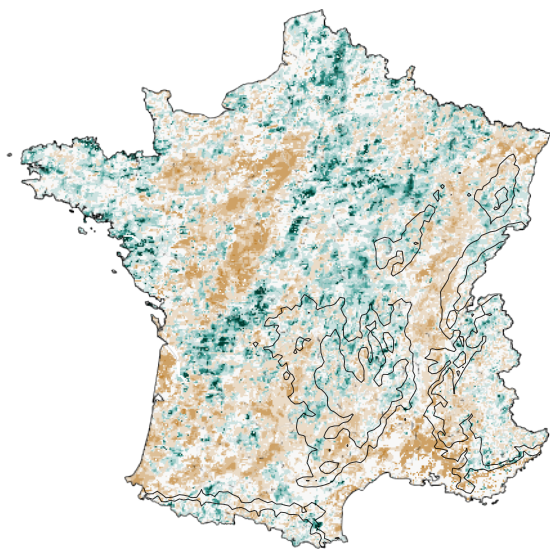
MAI
 $r = 0.07$
 $ME = -16.32$
 $n = 590$



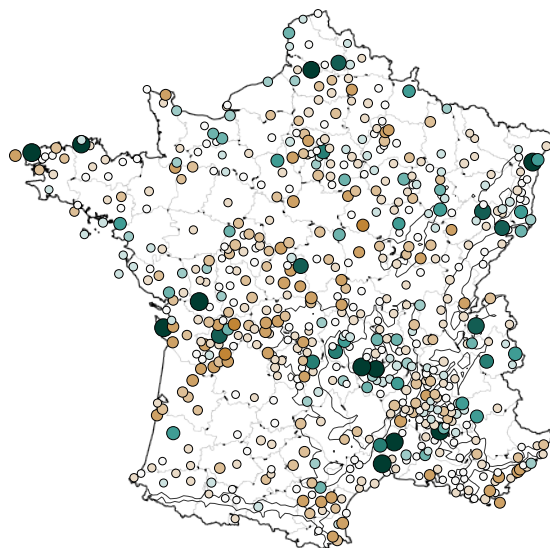
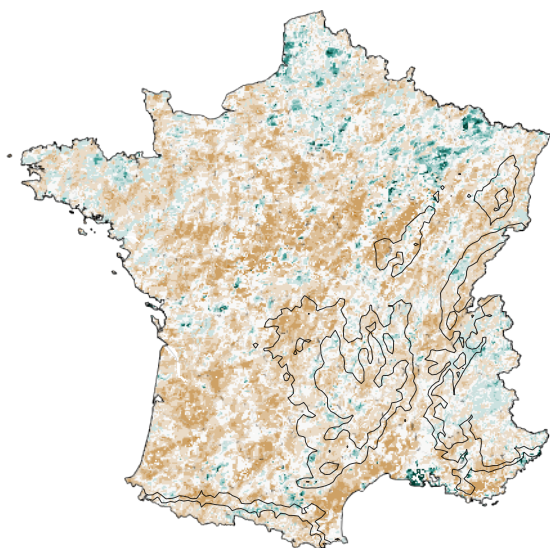
JUI
 $r = 0.09$
 $ME = -48.20$
 $n = 600$



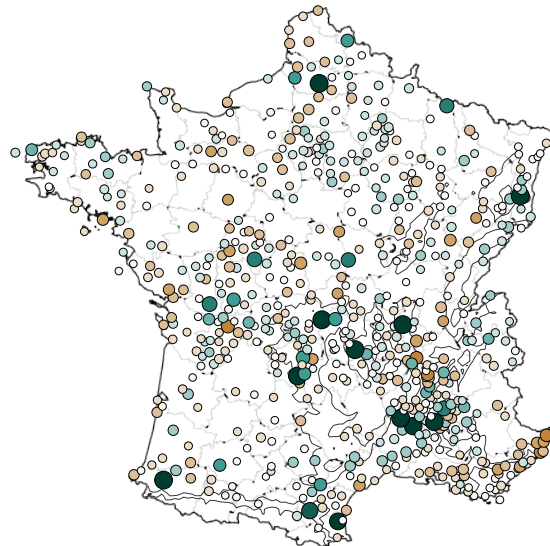
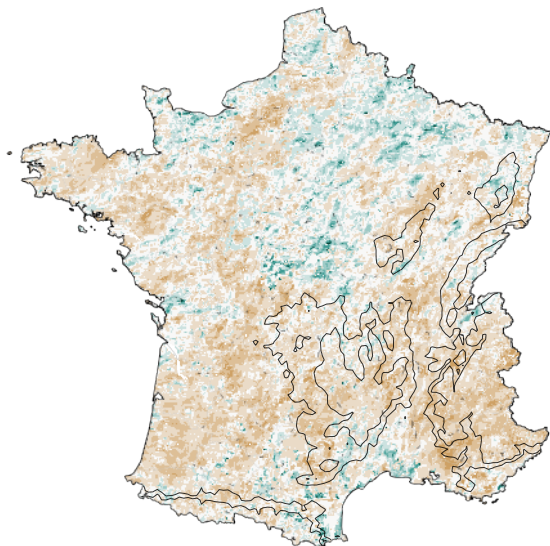
JUILL
 $r = 0.03$
 $ME = 1.41$
 $n = 606$



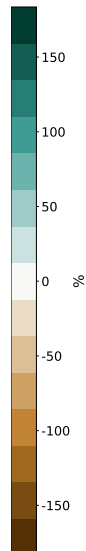
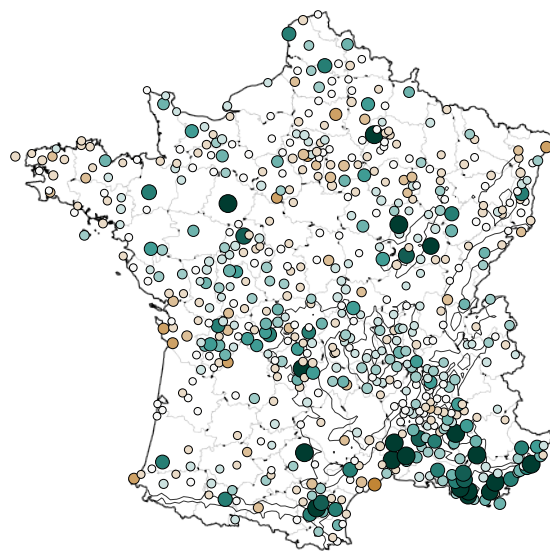
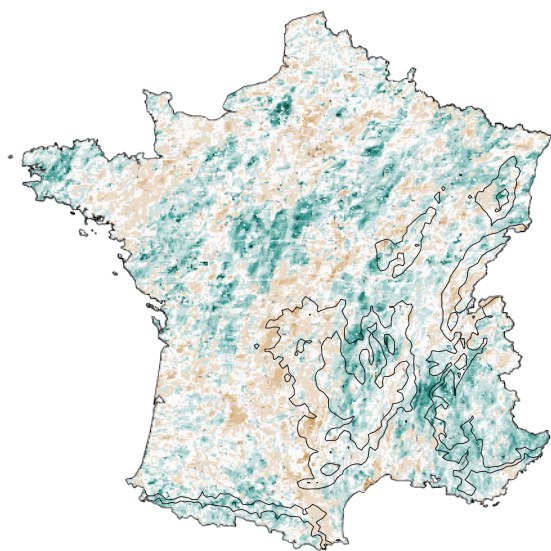
AOU
 $r = 0.09$
 $ME = -12.48$
 $n = 602$



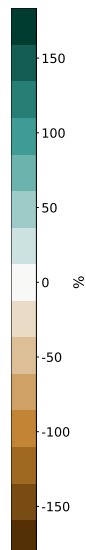
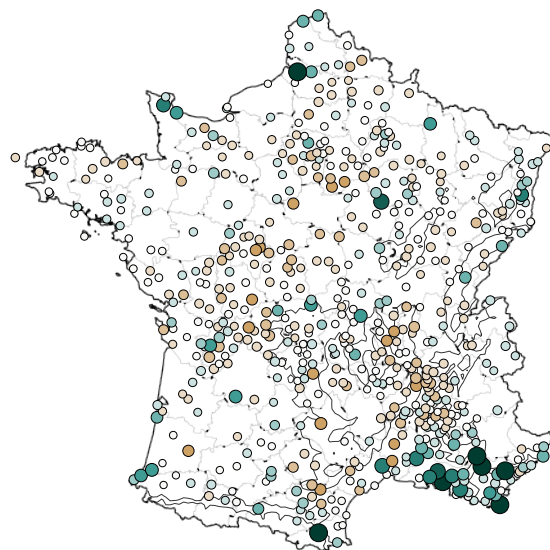
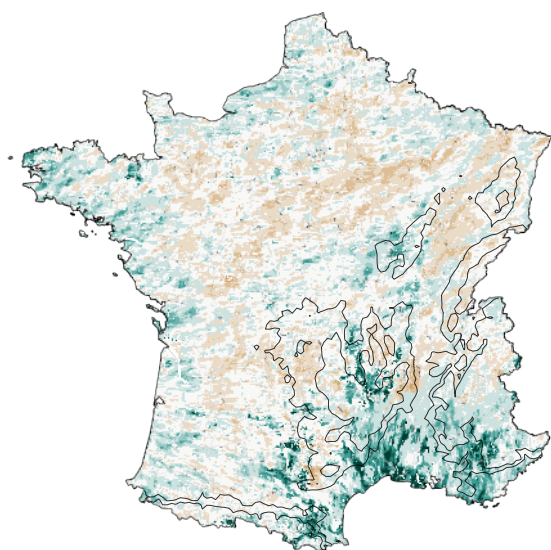
SEP
 $r = 0.02$
 $ME = -14.77$
 $n = 620$



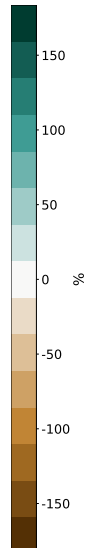
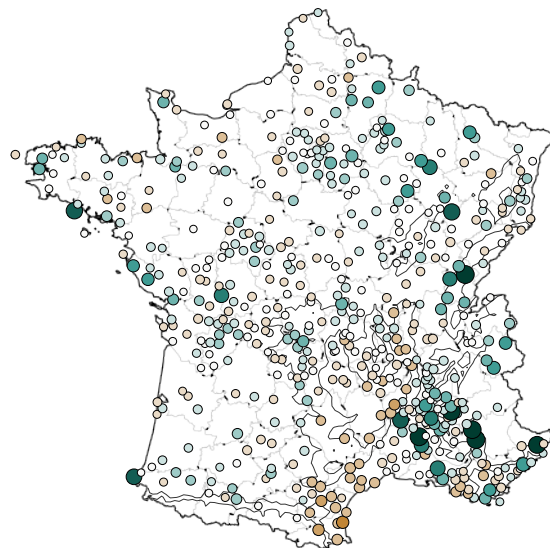
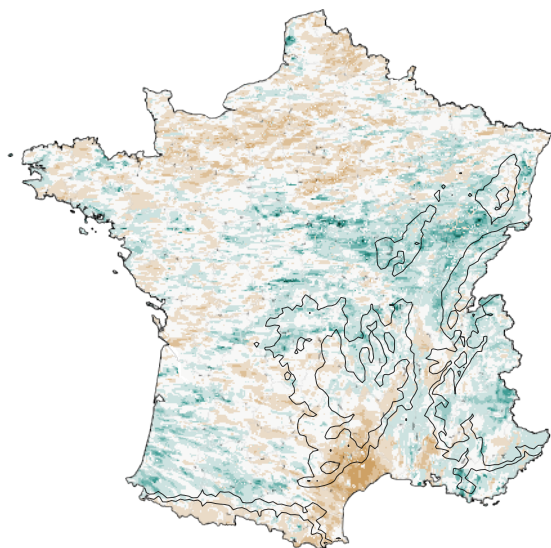
OCT
 $r = 0.02$
 $ME = -9.91$
 $n = 606$



NOV
 $r = 0.16$
 $ME = 8.69$
 $n = 593$

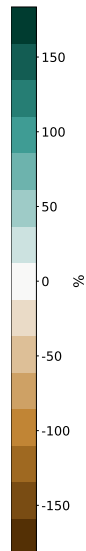
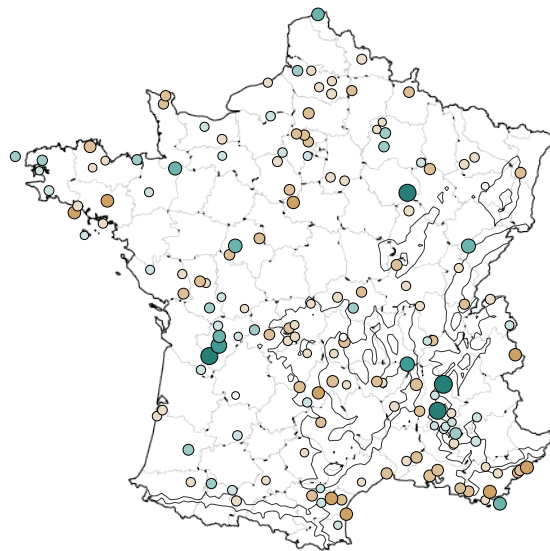
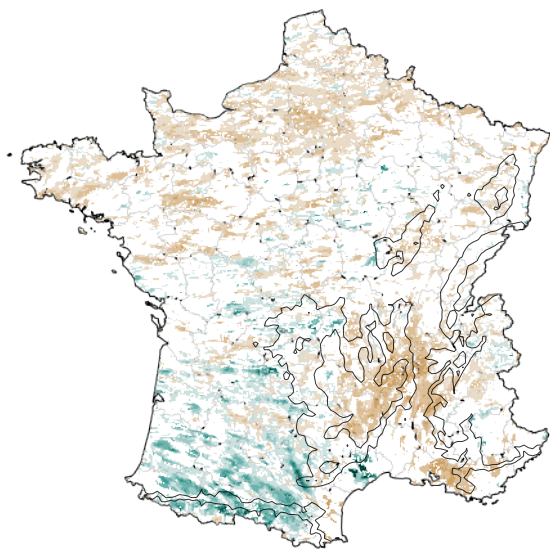


DEC
 $r = 0.17$
 $ME = -5.44$
 $n = 548$

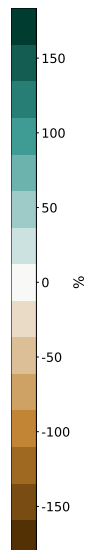
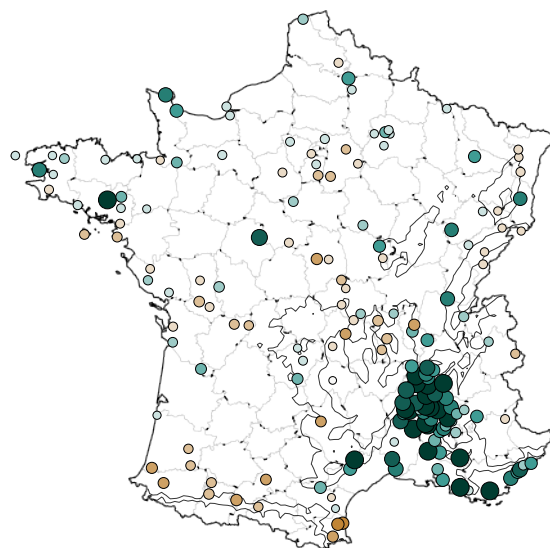
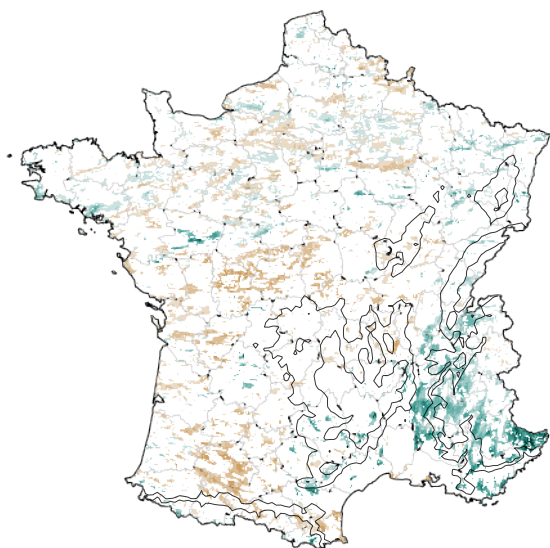


4.3.2.2 Tendances significatives

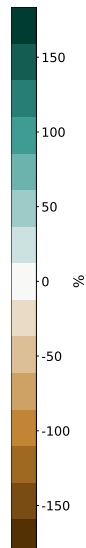
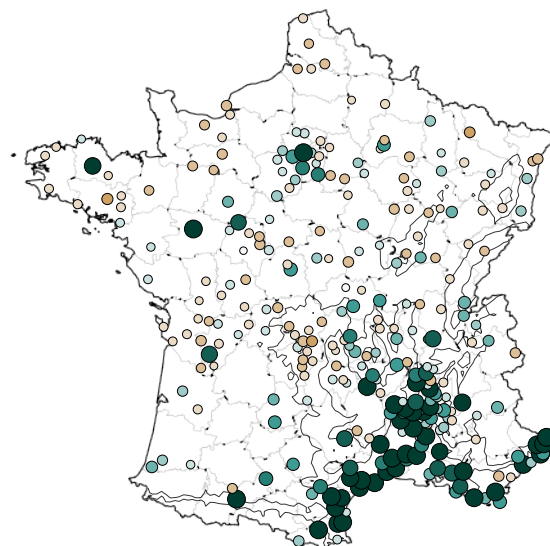
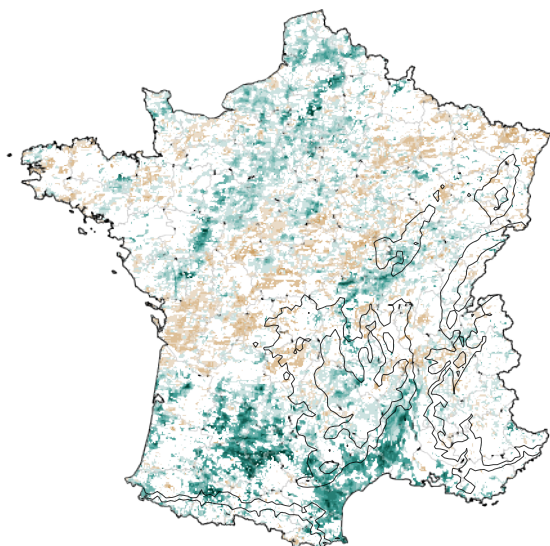
JAN
 $r = 0.07$
 $ME = -4.33$
 $n = 66$



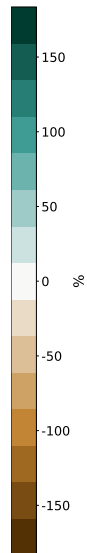
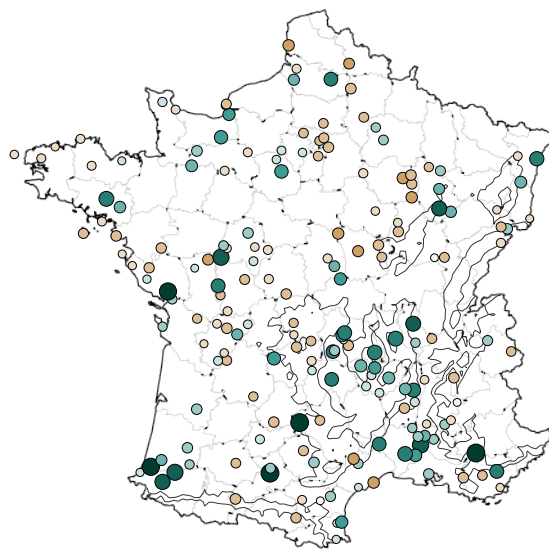
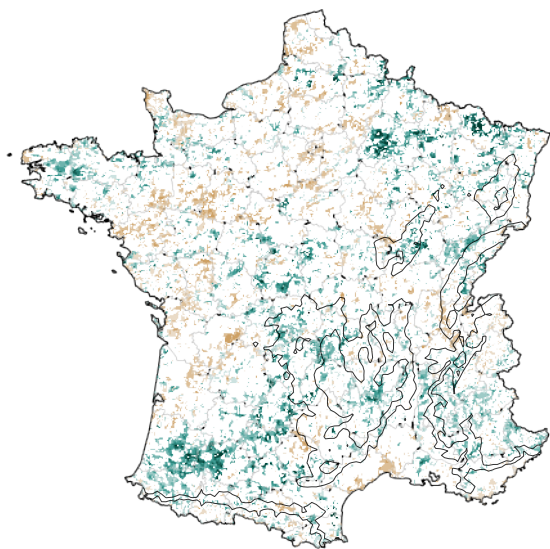
FEV
 $r = 0.66$
 $ME = -56.07$
 $n = 51$



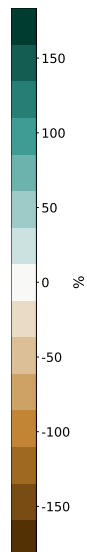
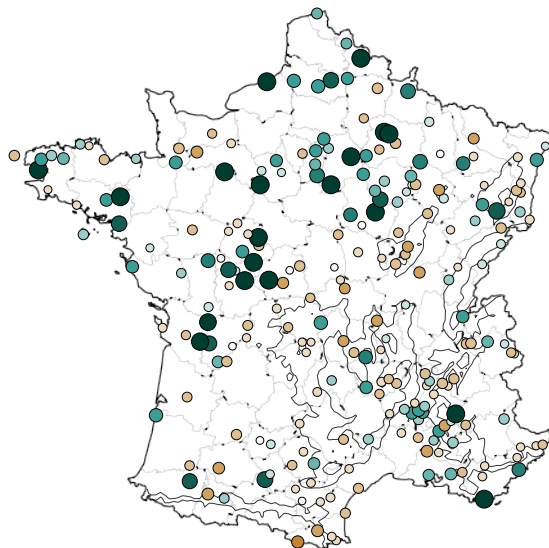
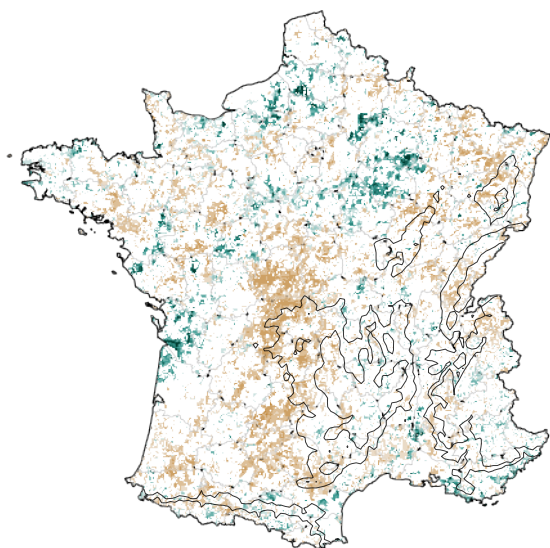
MAR
 $r = 0.48$
 $ME = -23.35$
 $n = 136$



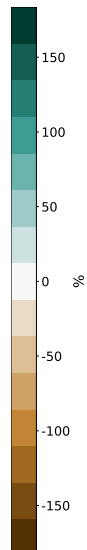
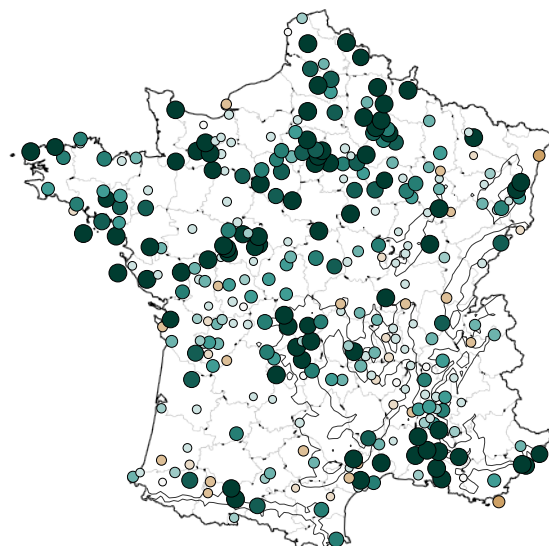
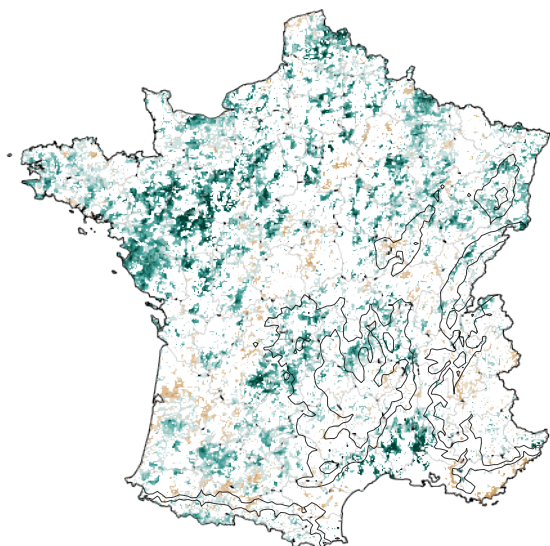
AVR
 $r = 0.37$
 $ME = 21.11$
 $n = 46$



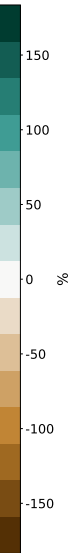
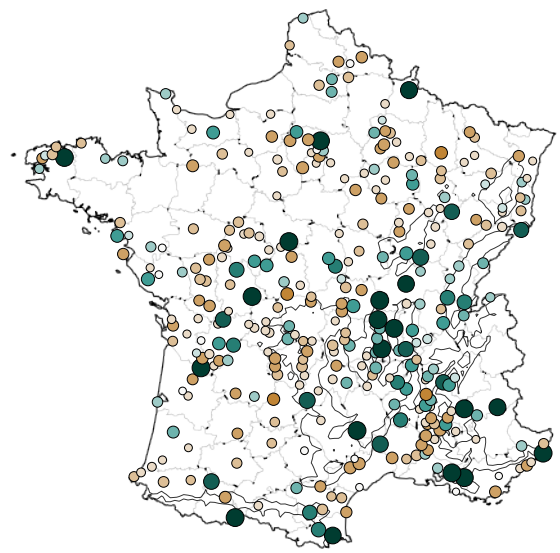
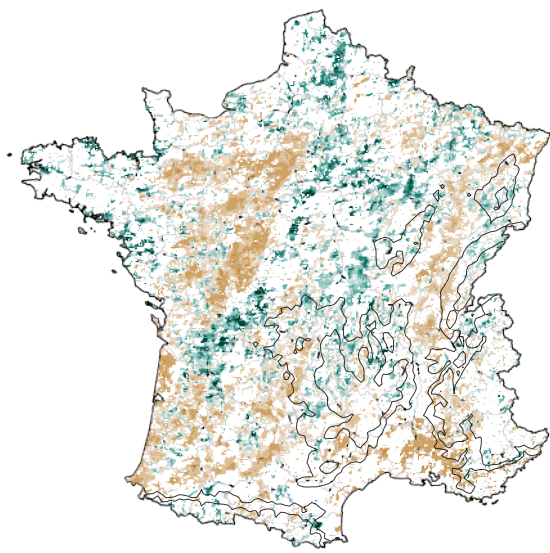
MAI
 $r = -0.01$
 $ME = -52.04$
 $n = 79$



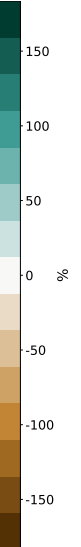
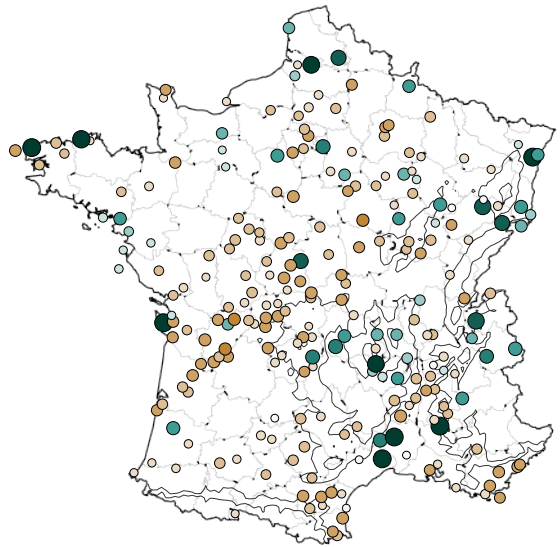
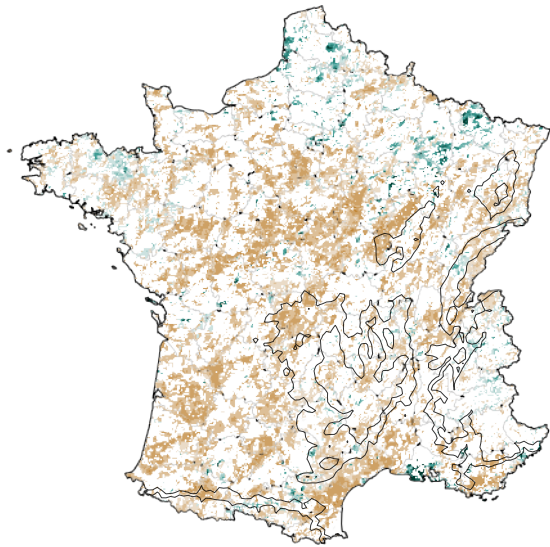
JUI
 $r = 0.07$
 $ME = -71.53$
 $n = 121$



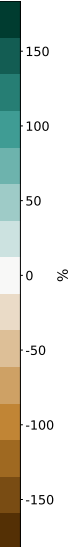
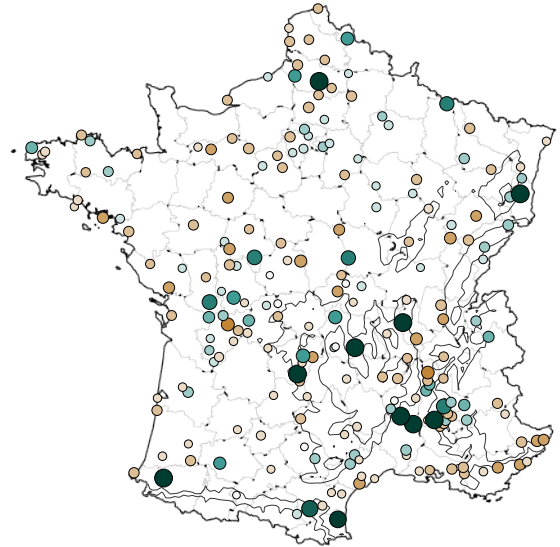
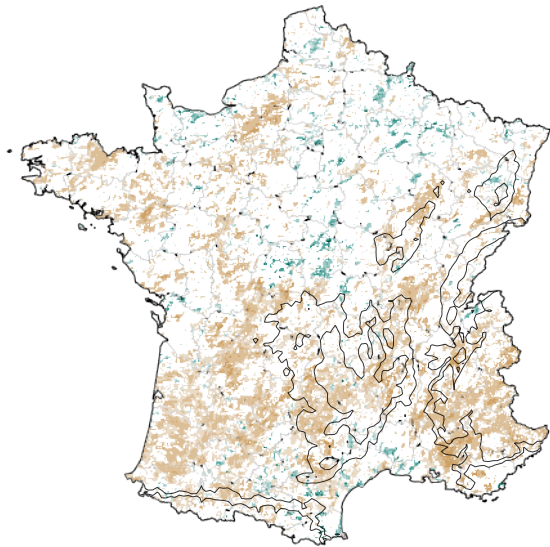
JUILL
 $r = 0.02$
 $ME = 8.28$
 $n = 167$



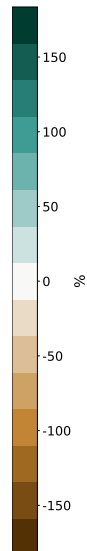
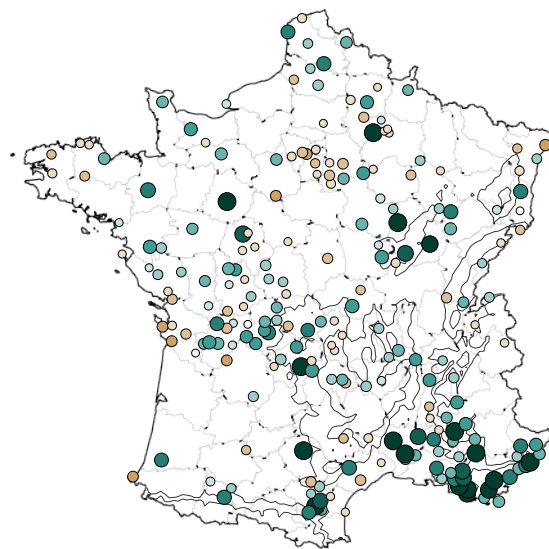
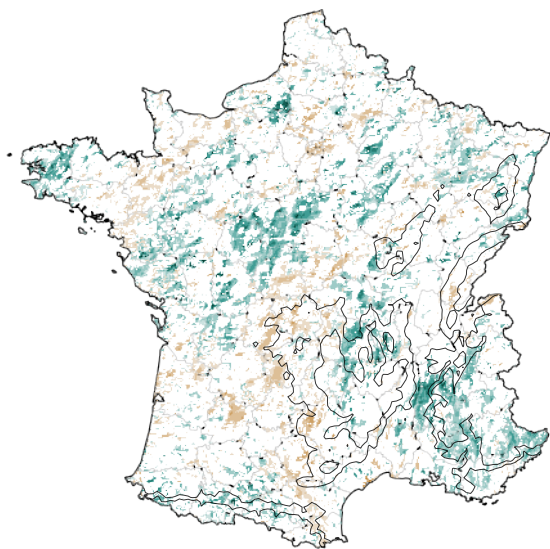
AOU
 $r = 0.17$
 $ME = -15.32$
 $n = 105$



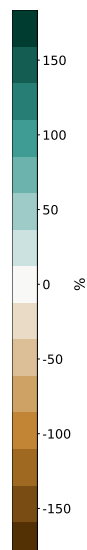
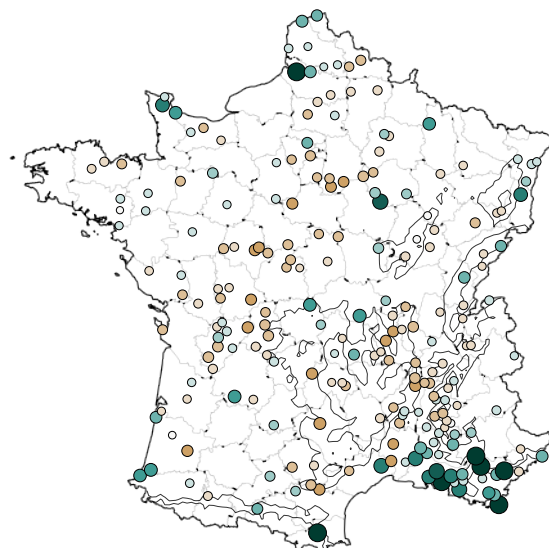
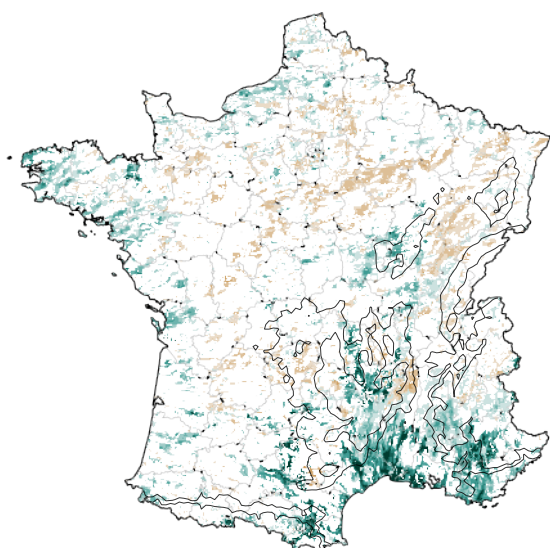
SEP
 $r = -0.01$
 $ME = -20.16$
 $n = 97$



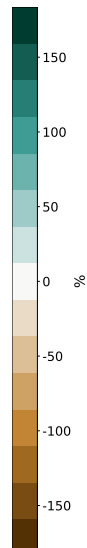
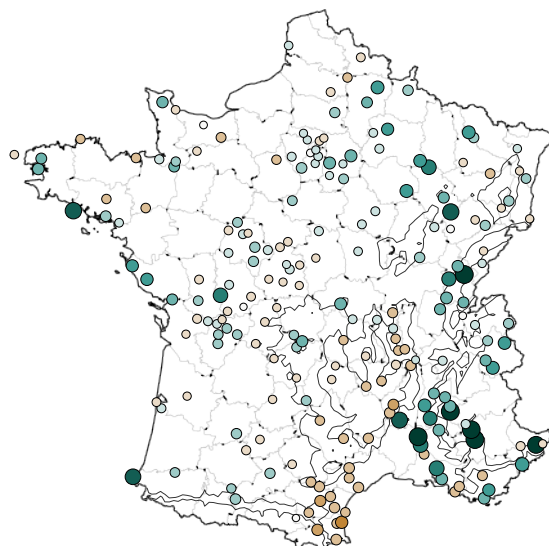
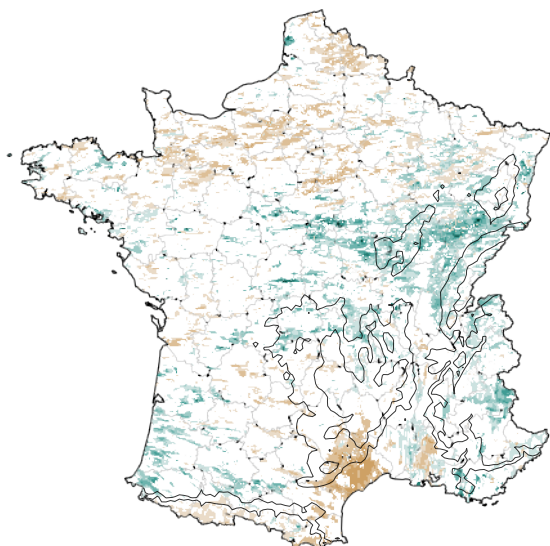
OCT
 $r = 0.02$
 $ME = -35.74$
 $n = 85$



NOV
 $r = 0.24$
 $ME = 8.65$
 $n = 72$



DEC
 $r = 0.35$
 $ME = -20.16$
 $n = 77$



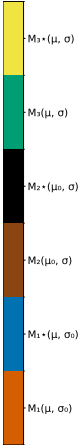
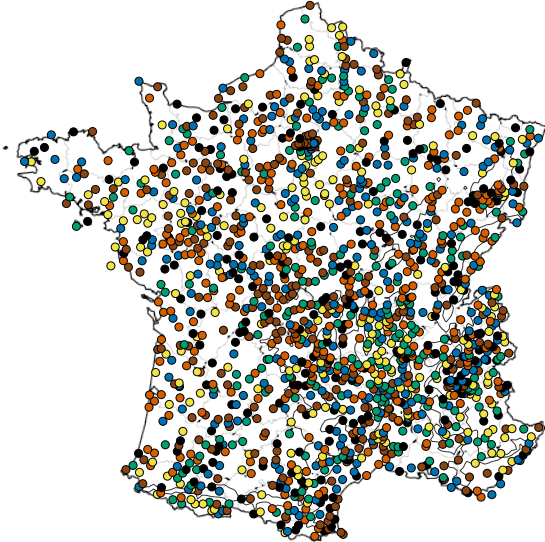
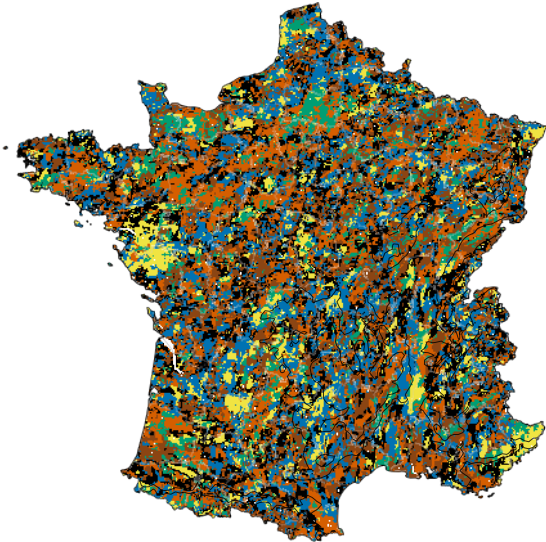
5 Meilleur modèle GEV

5.1 Données journalières (1959-2022)

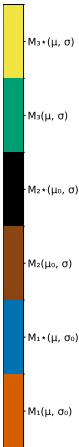
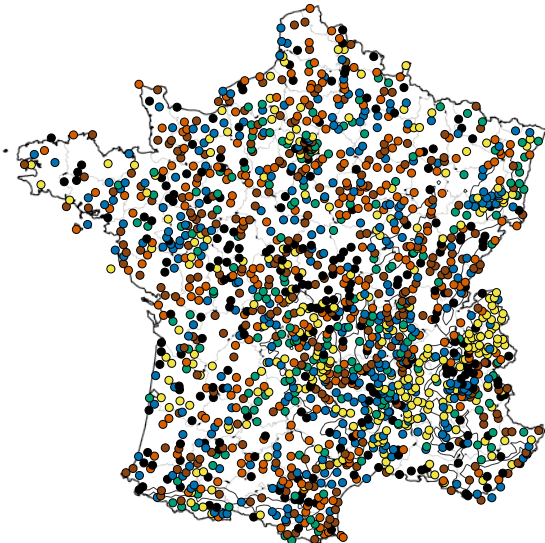
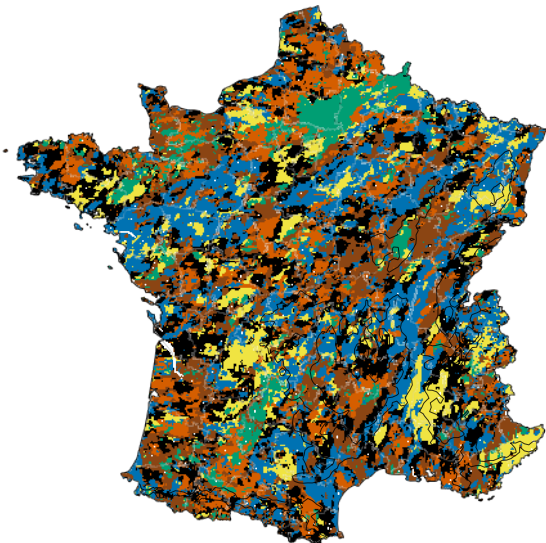
5.1.1 Par saison

5.1.1.1 Toutes tendances

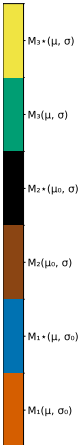
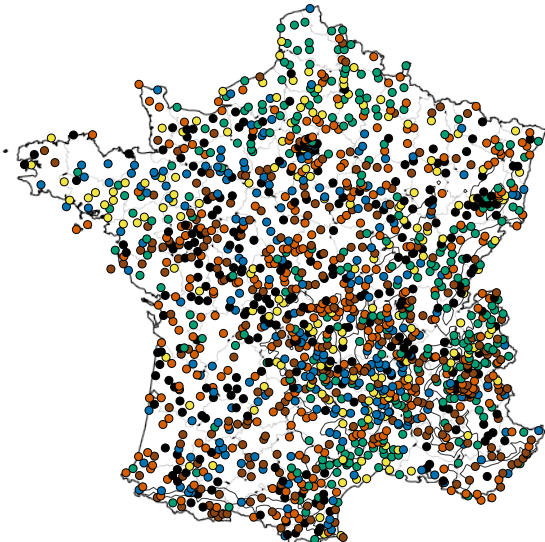
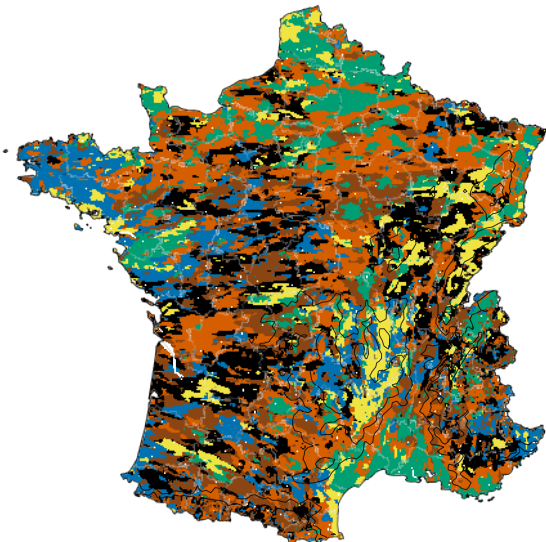
HYDRO



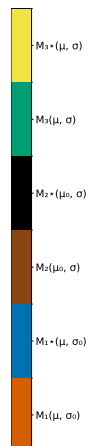
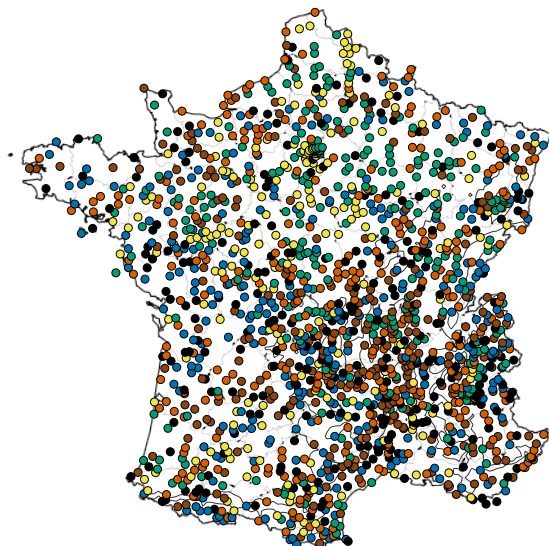
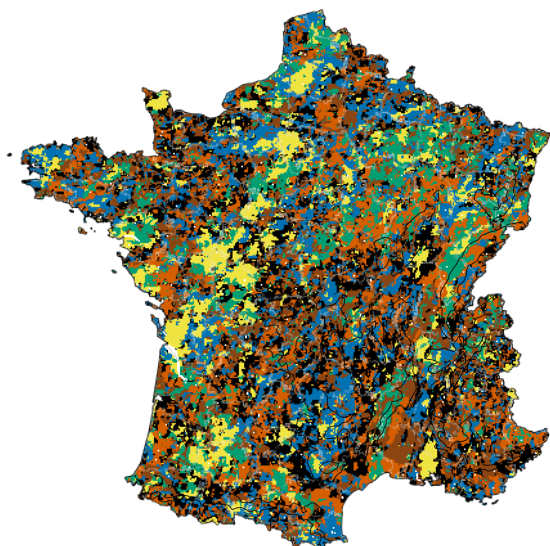
SON



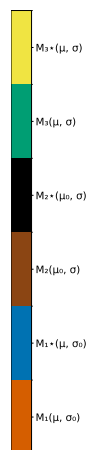
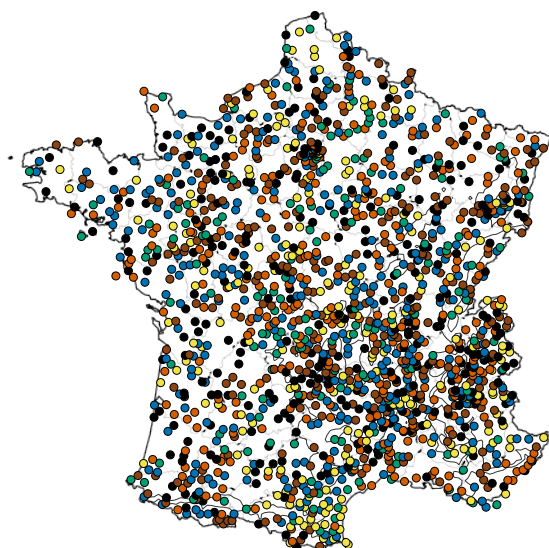
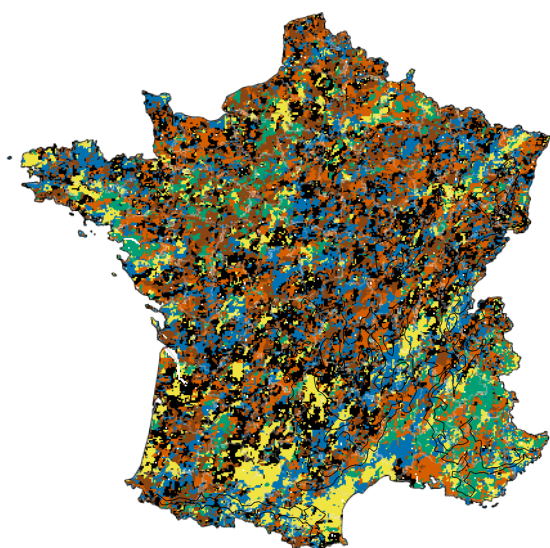
DJF



MAM

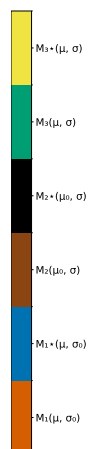
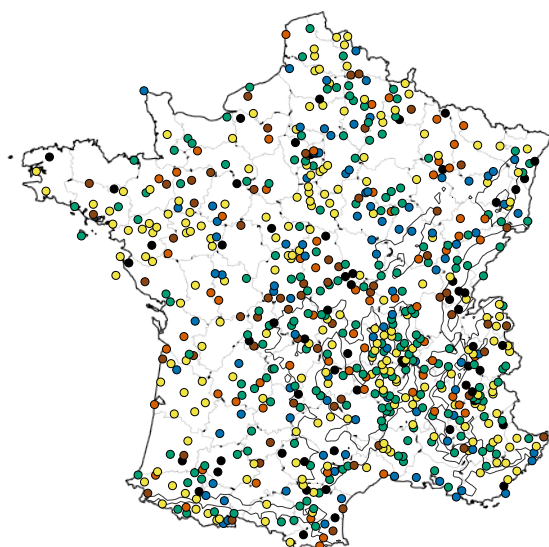
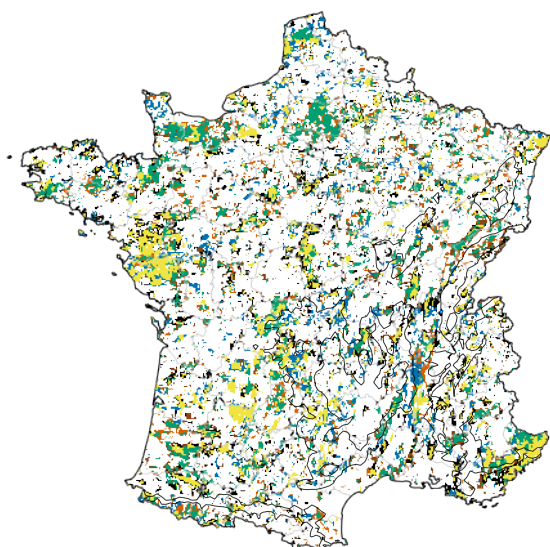


JJA

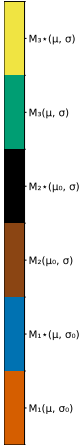
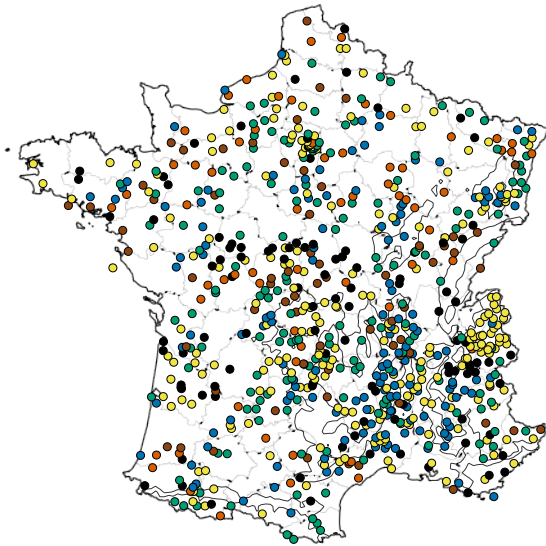
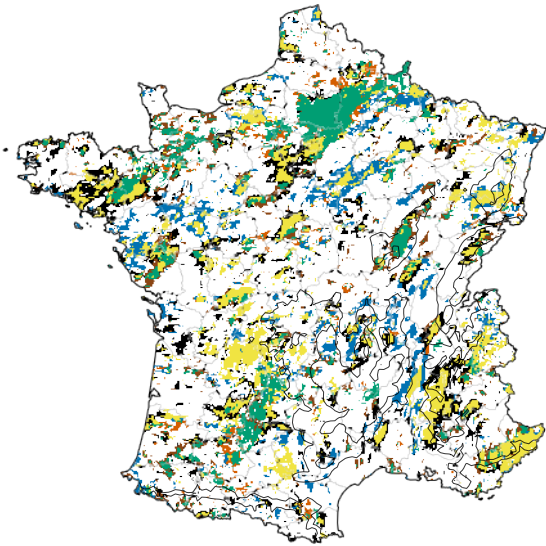


5.1.1.2 Tendances significatives

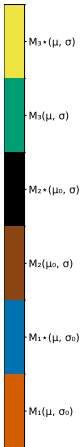
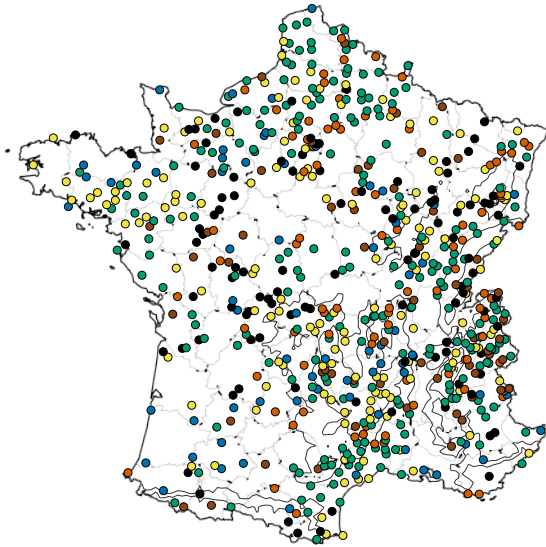
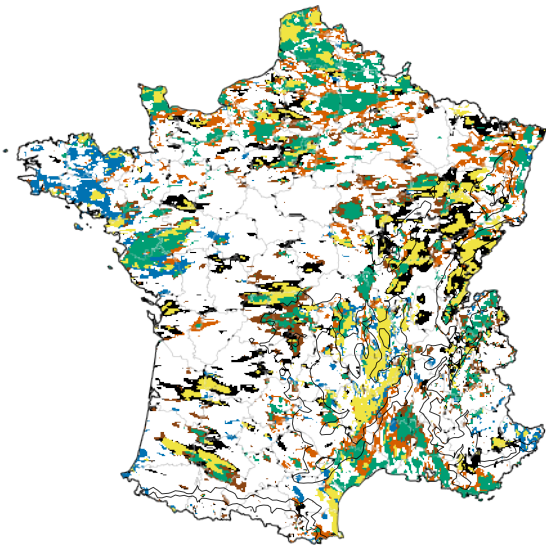
HYDRO



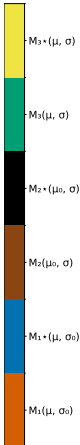
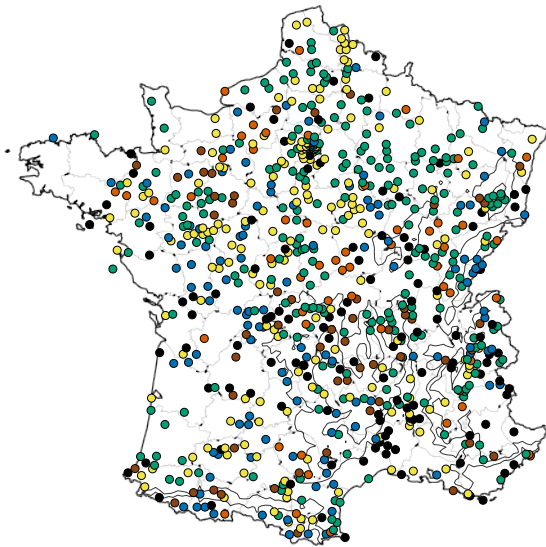
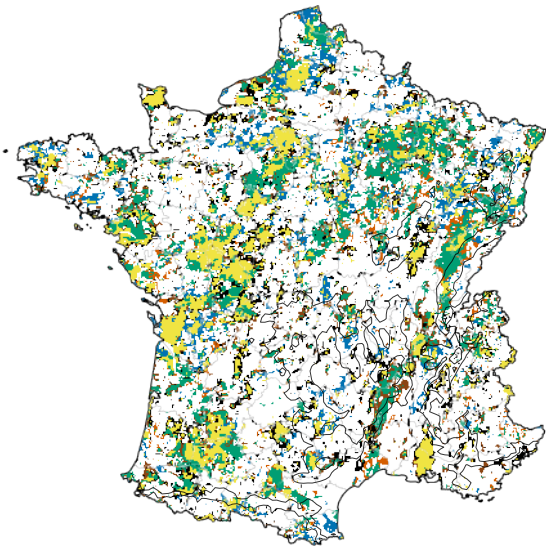
SON



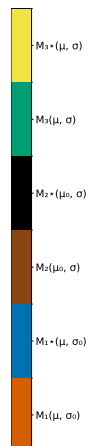
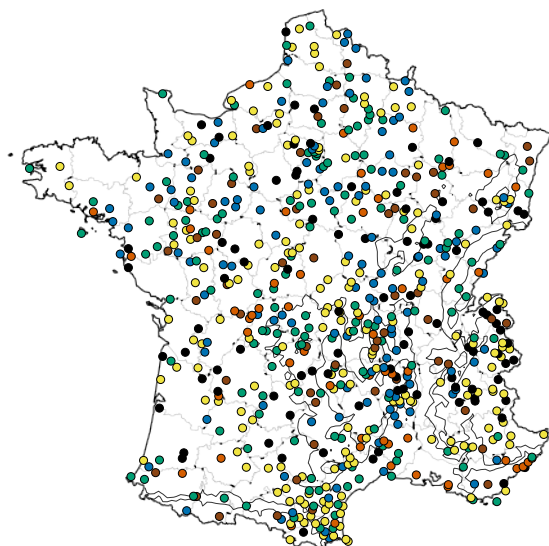
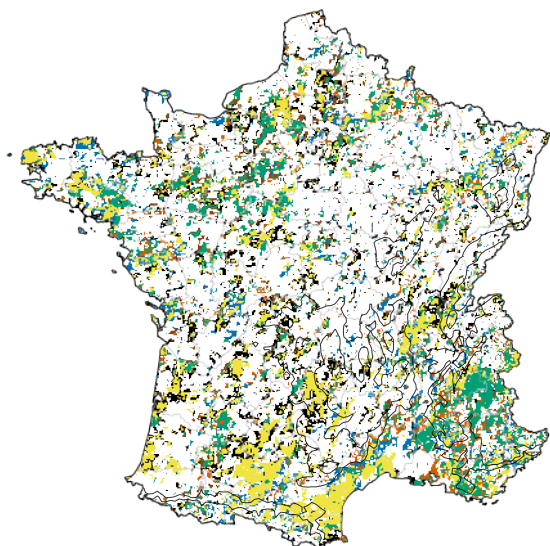
DJF



MAM



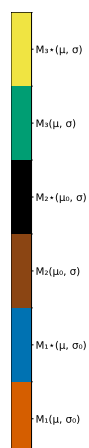
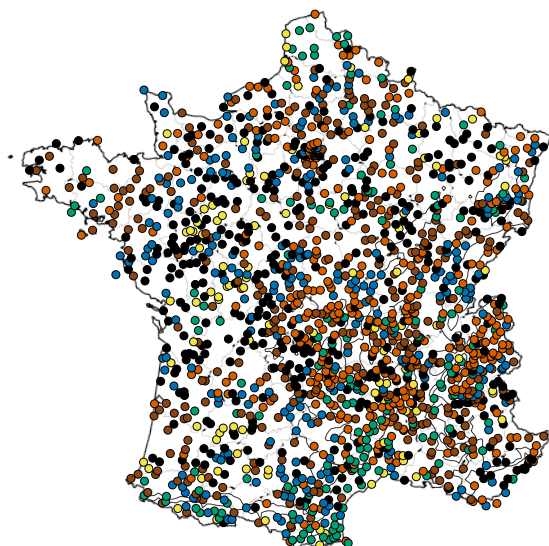
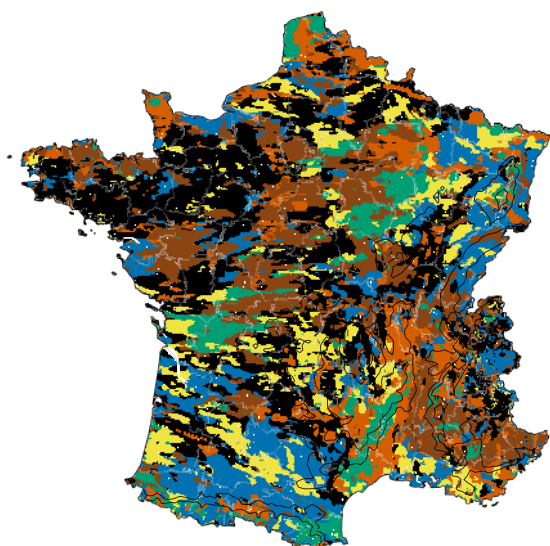
JJA



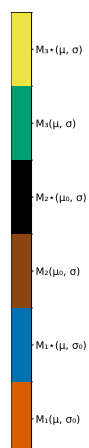
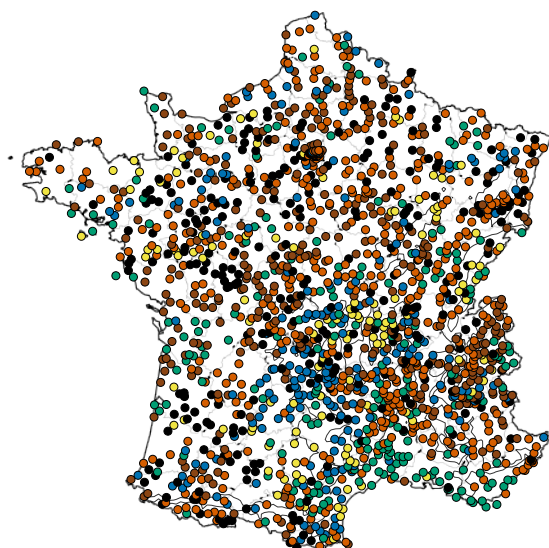
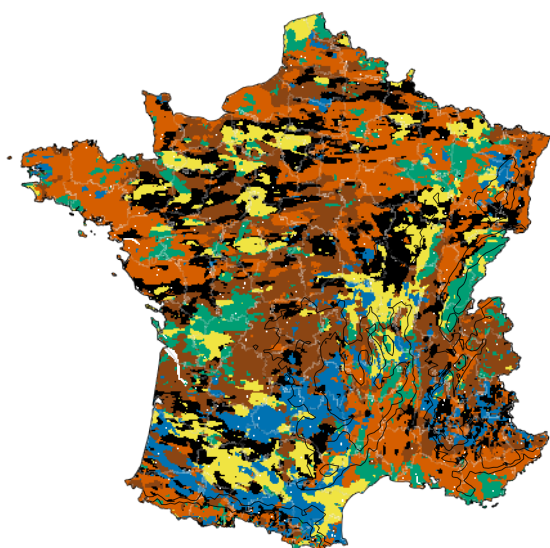
5.1.2 Par mois

5.1.2.1 Toutes tendances

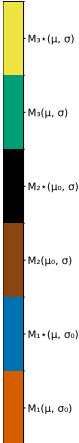
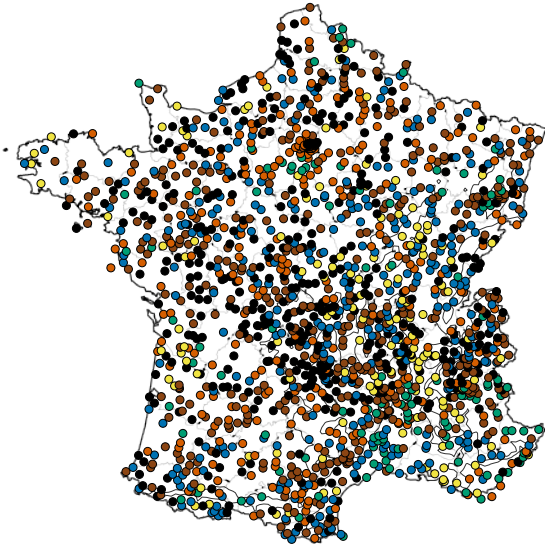
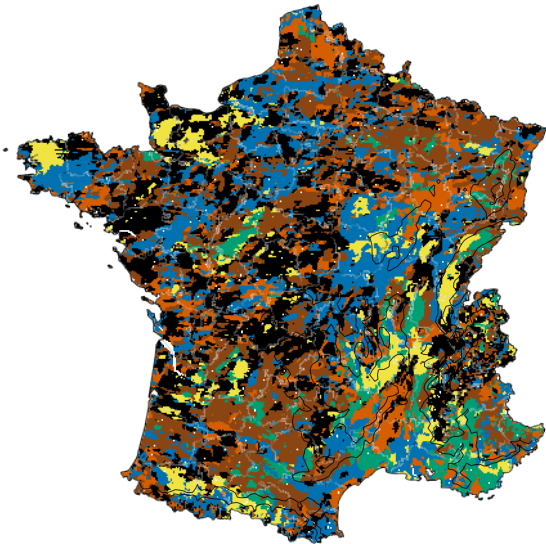
JAN



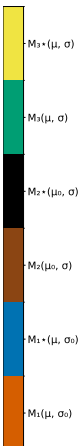
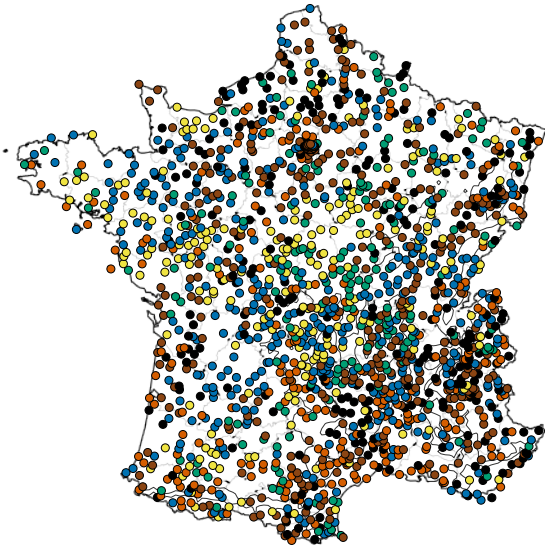
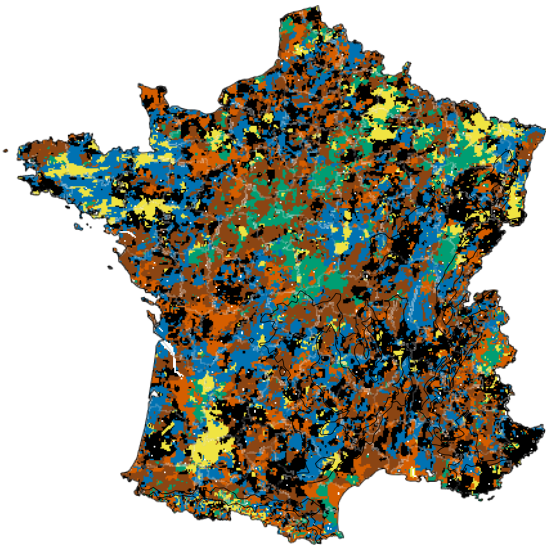
FEV



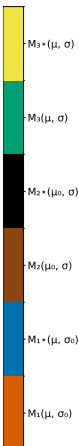
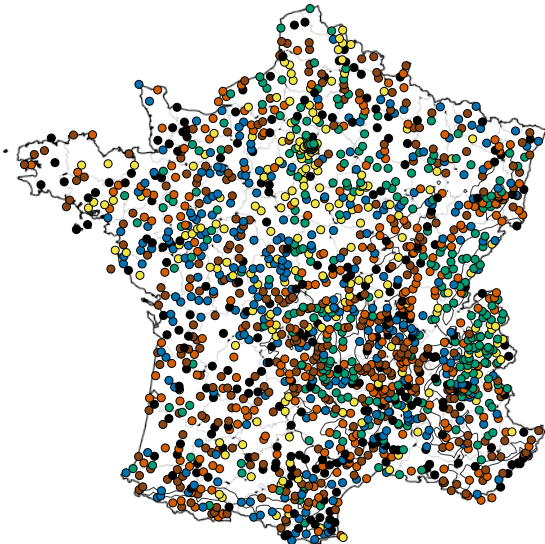
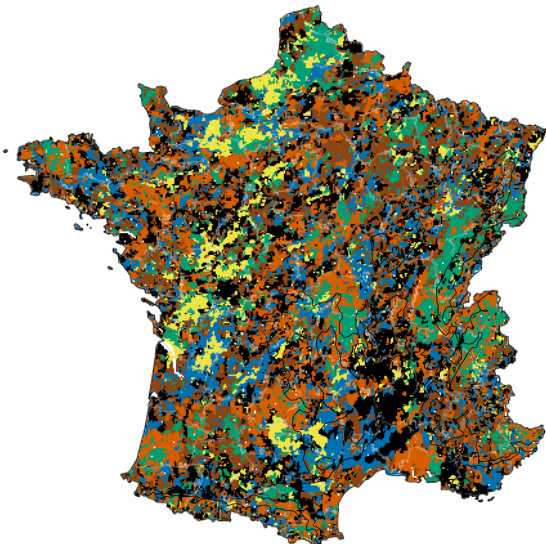
MAR



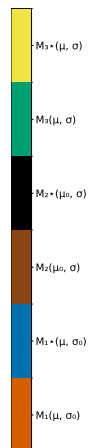
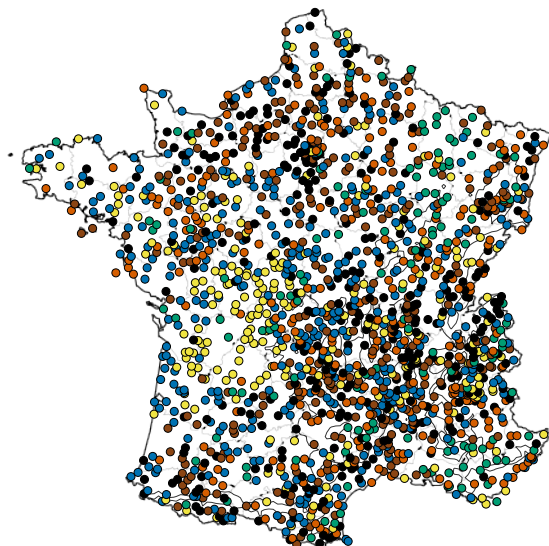
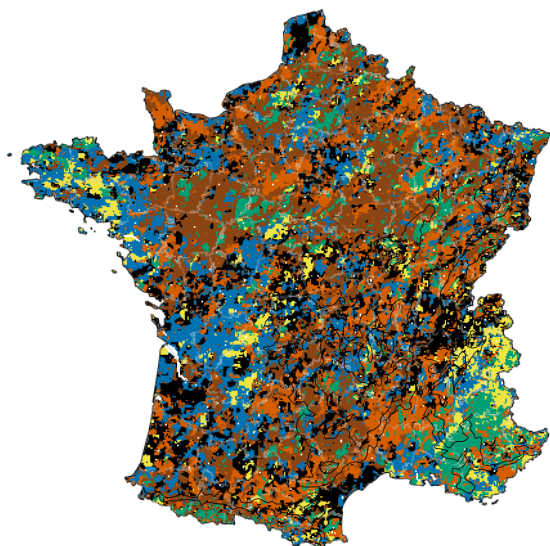
AVR



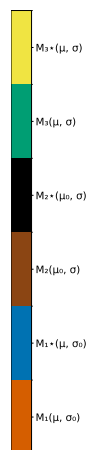
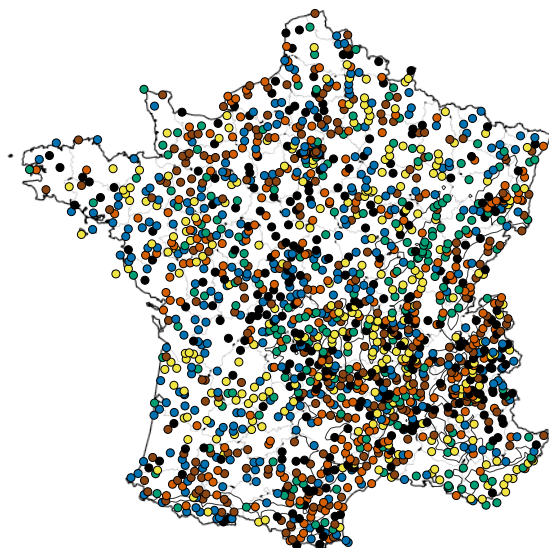
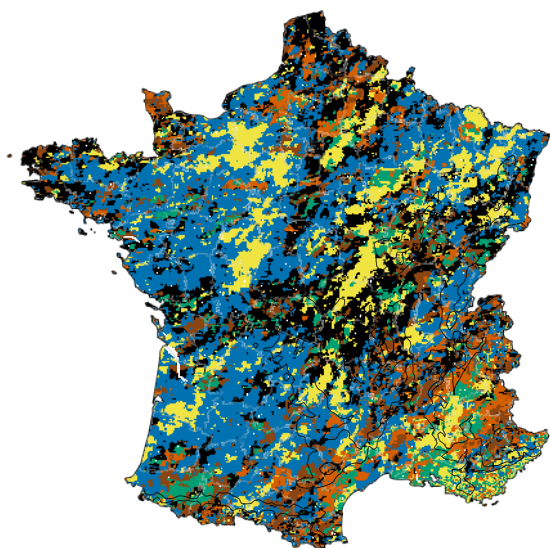
MAI



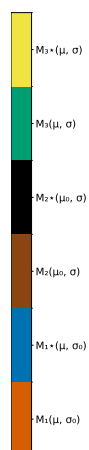
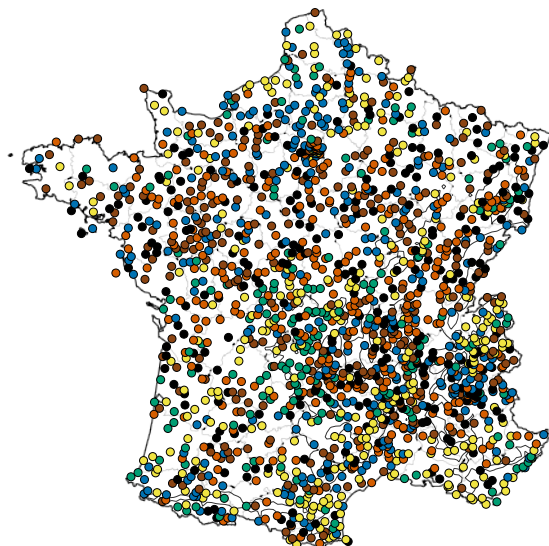
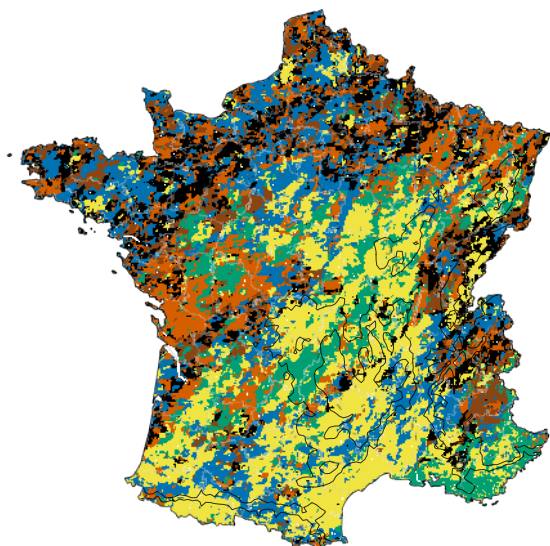
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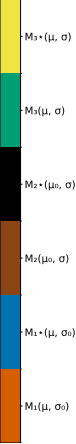
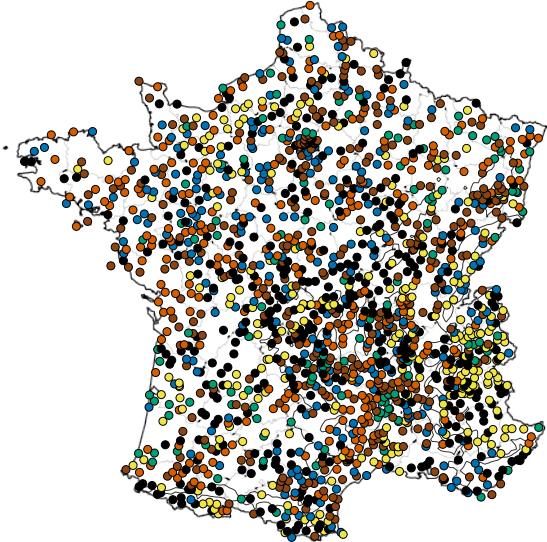
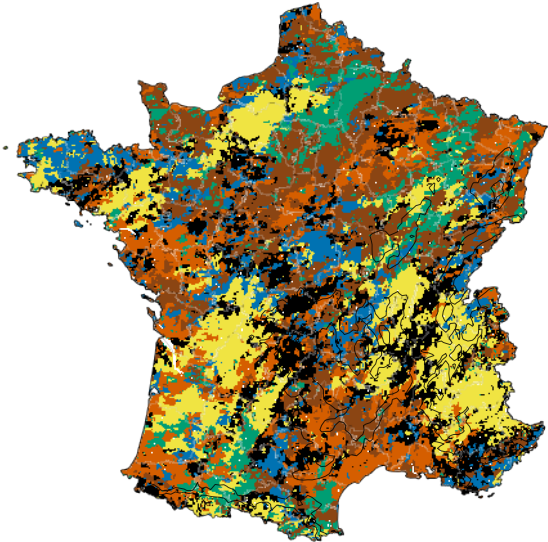
JUILL



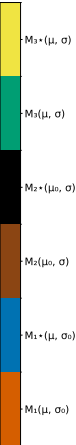
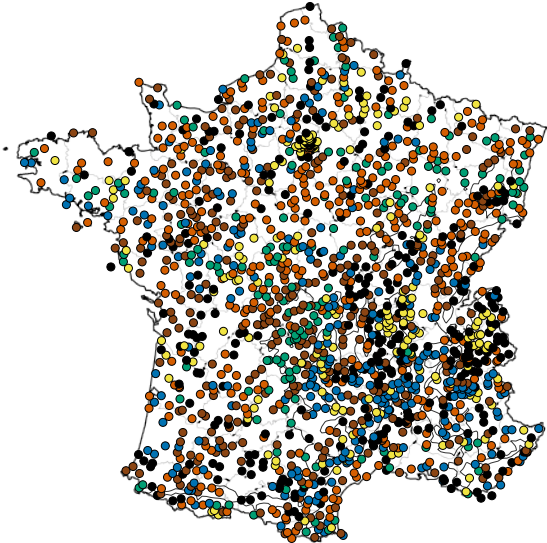
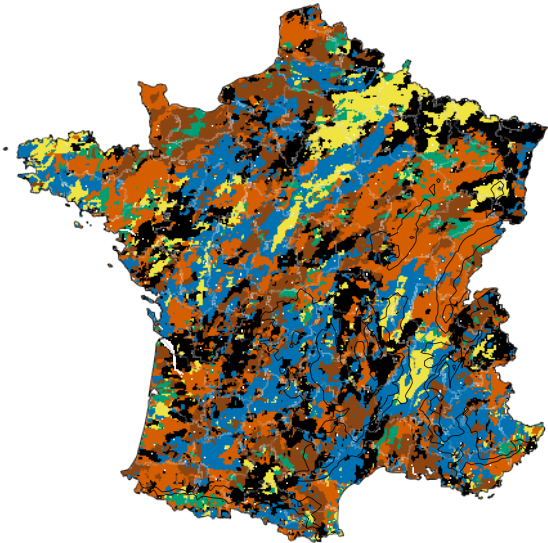
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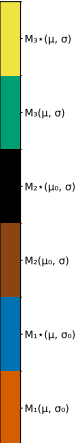
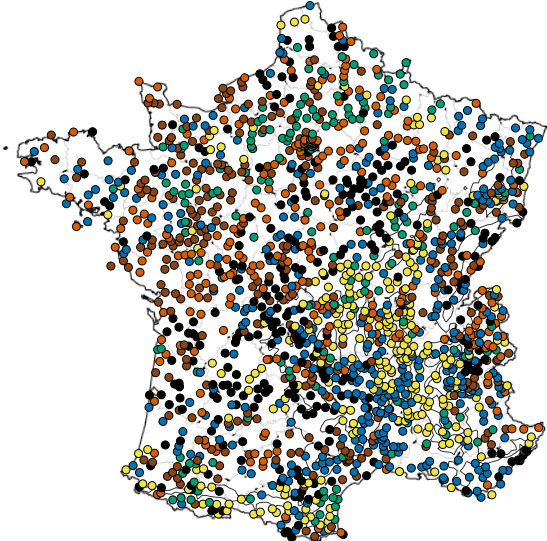
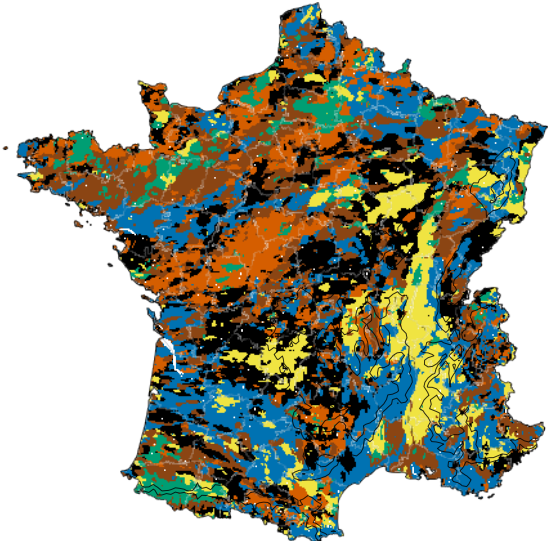
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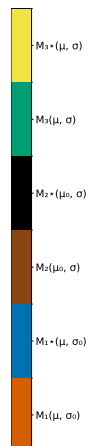
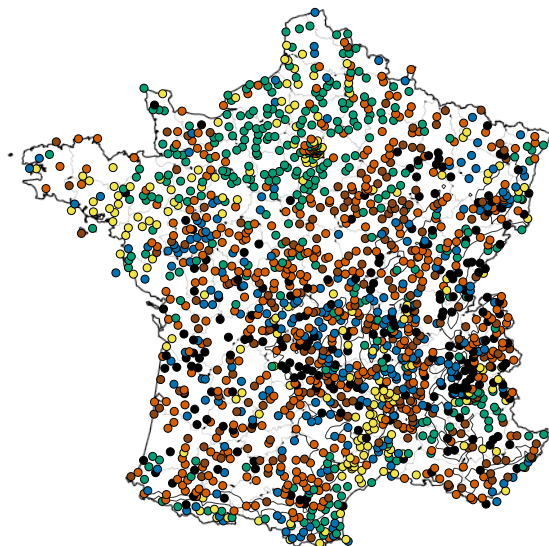
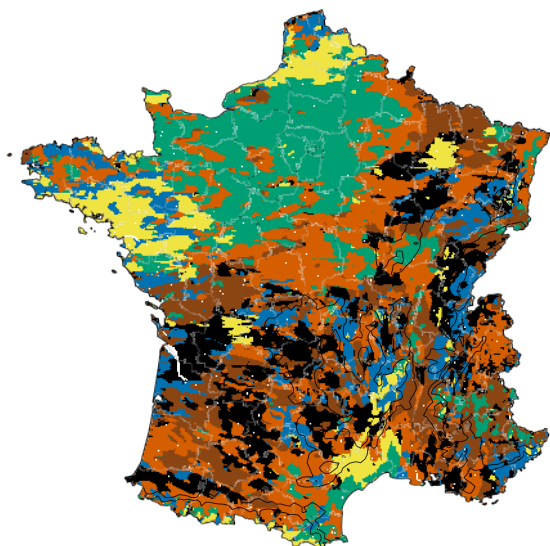
OCT



NOV

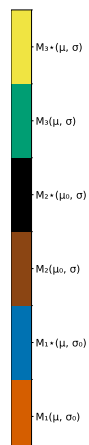
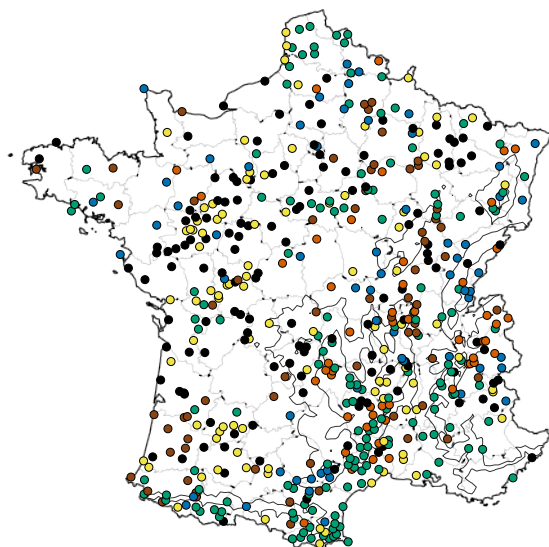
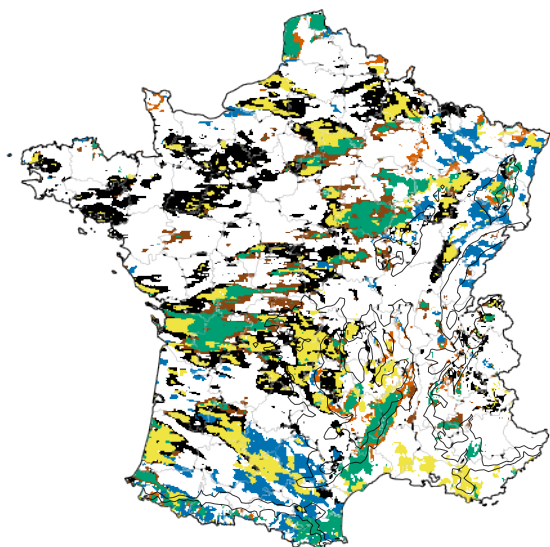


DEC

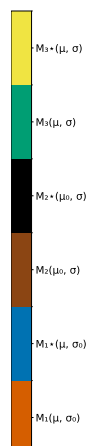
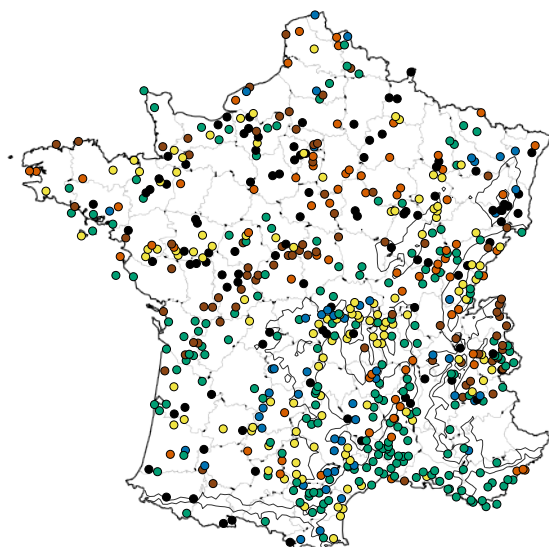
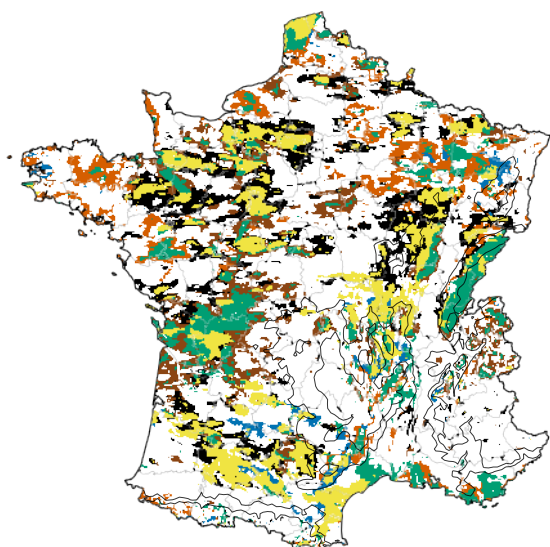


5.1.2.2 Tendances significatives

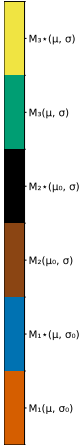
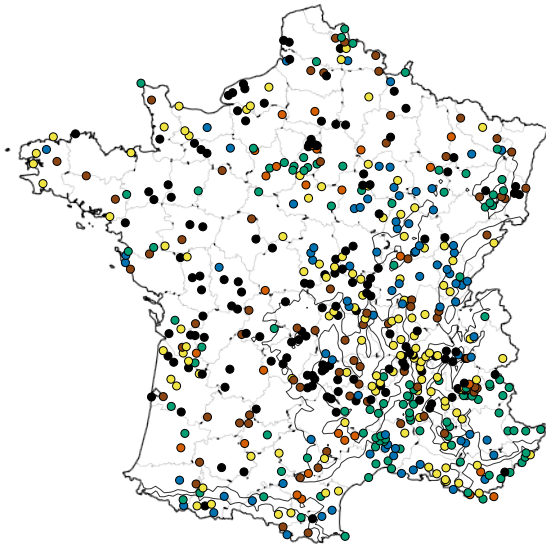
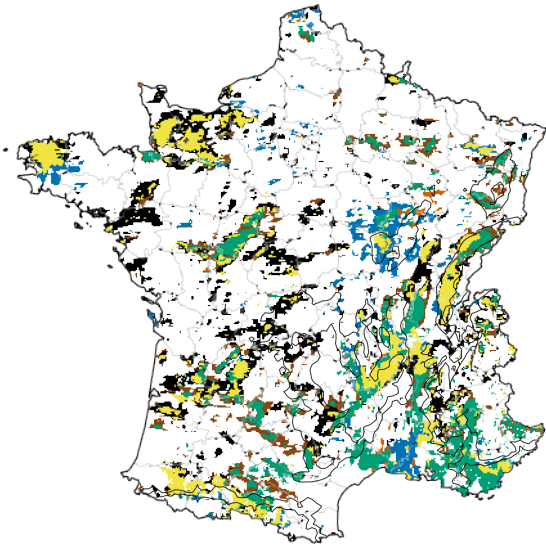
JAN



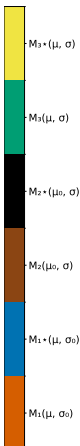
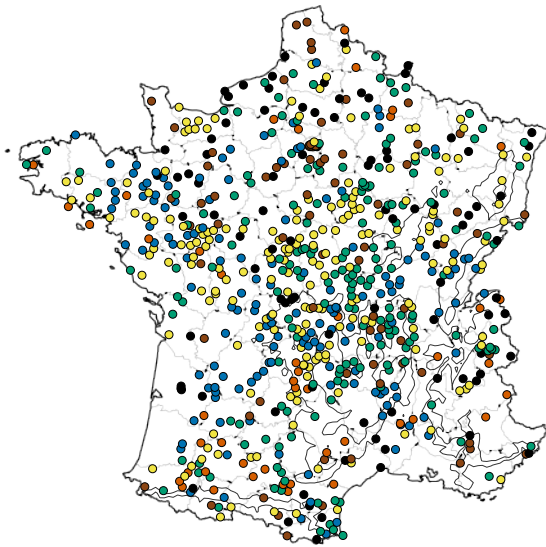
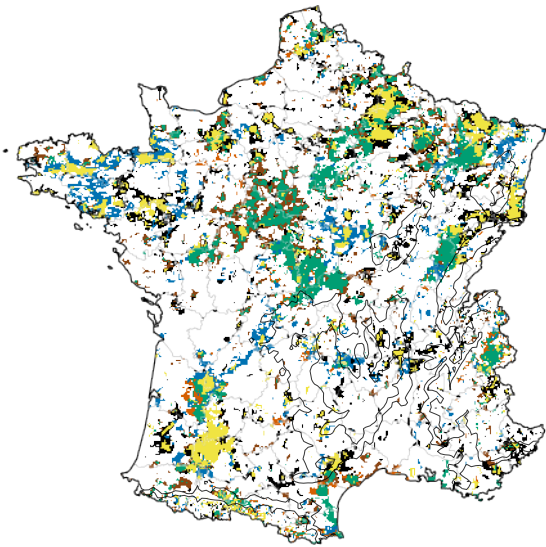
FEV



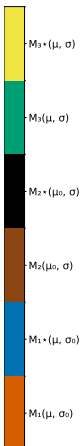
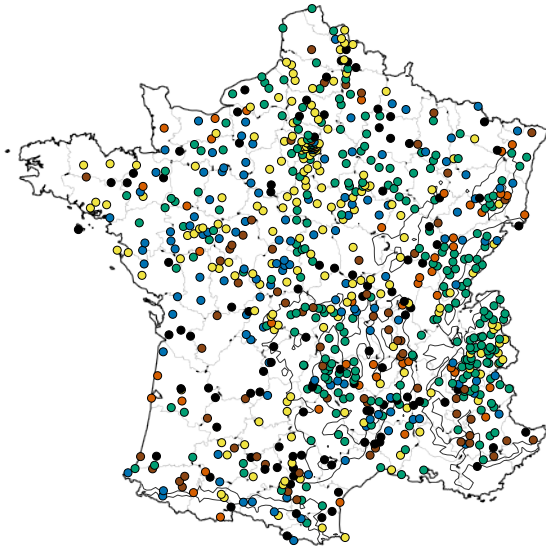
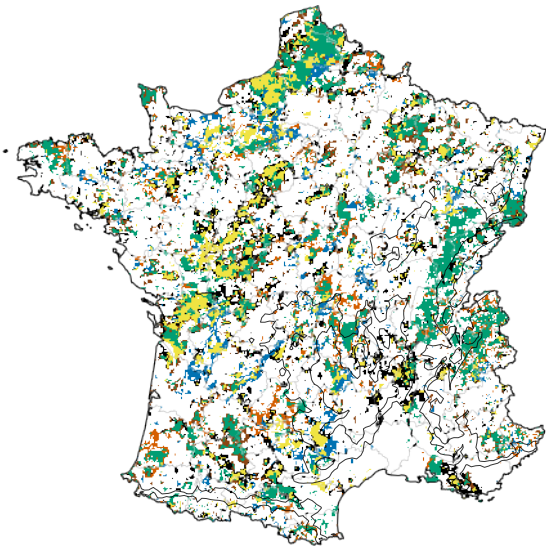
MAR



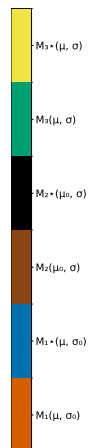
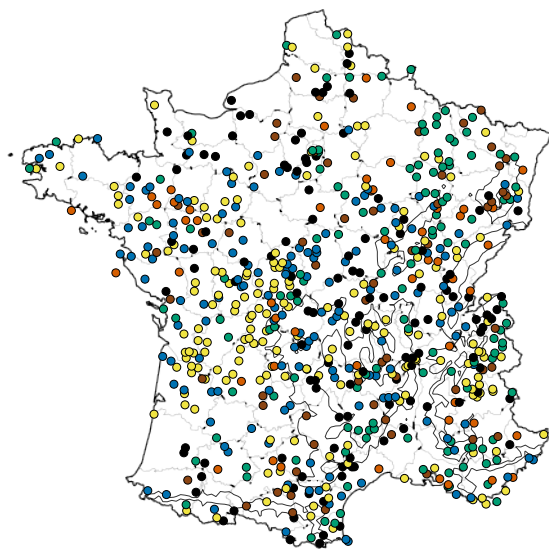
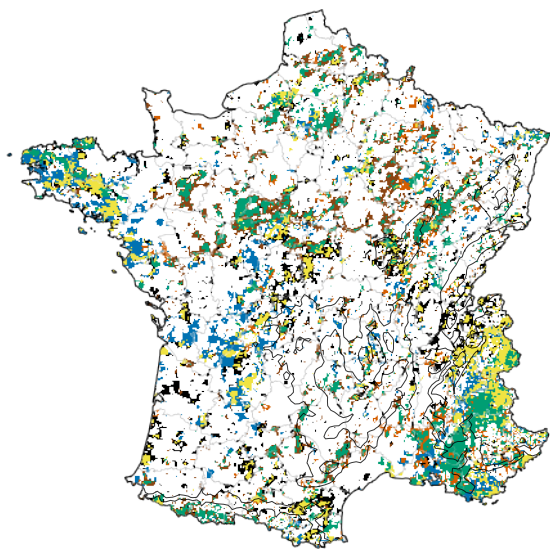
AVR



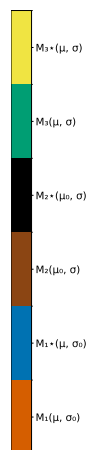
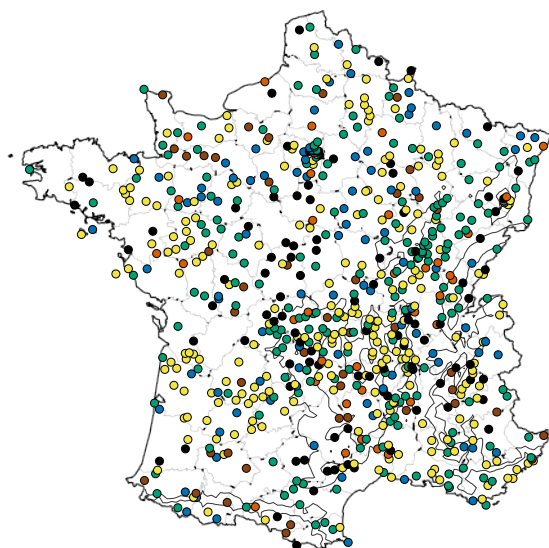
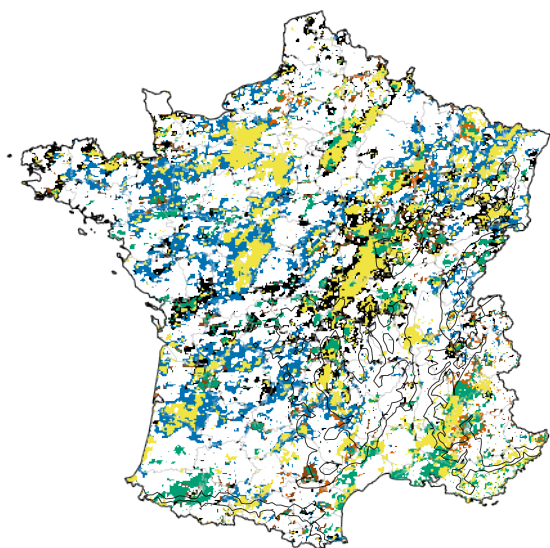
MAI



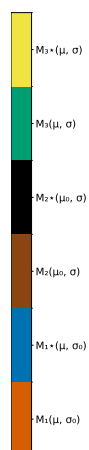
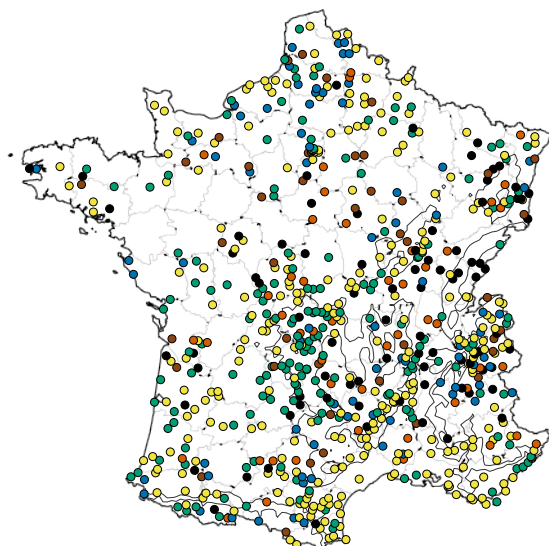
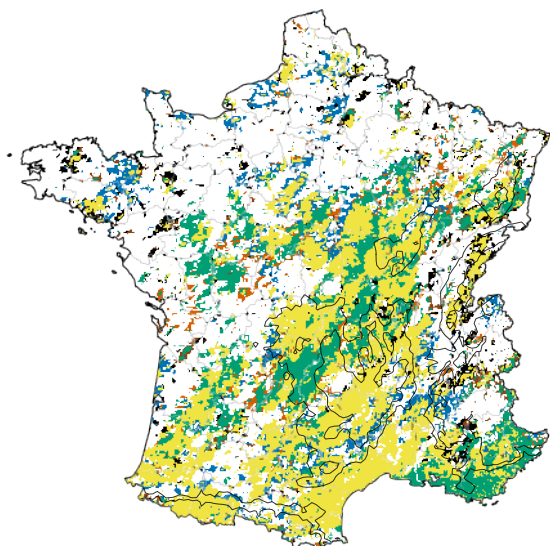
JUI



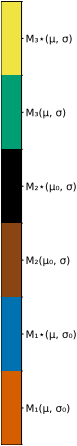
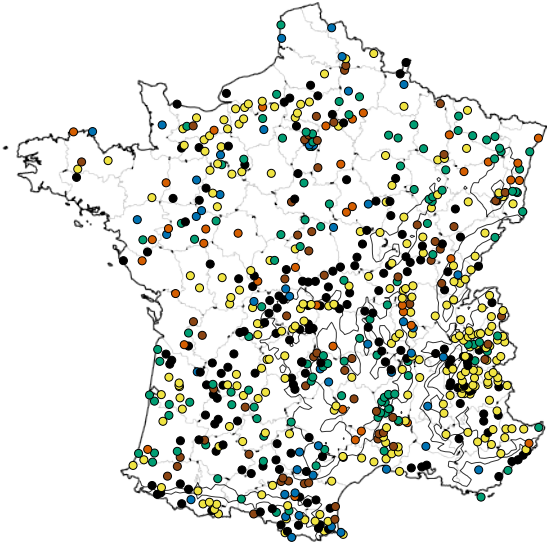
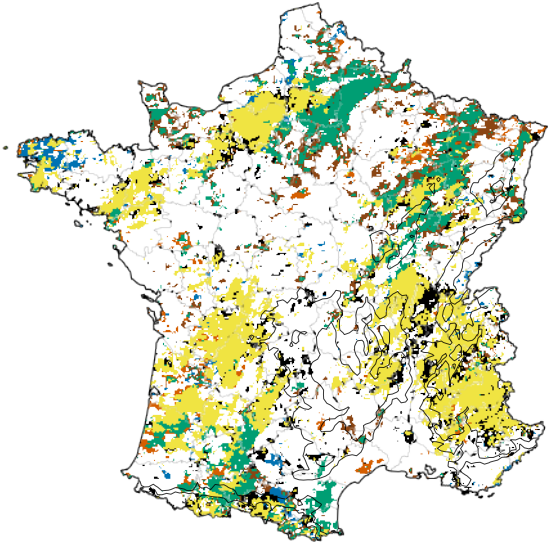
JUILL



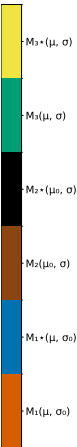
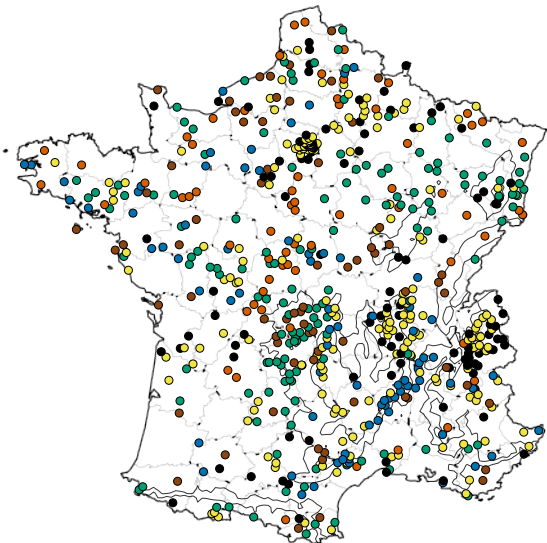
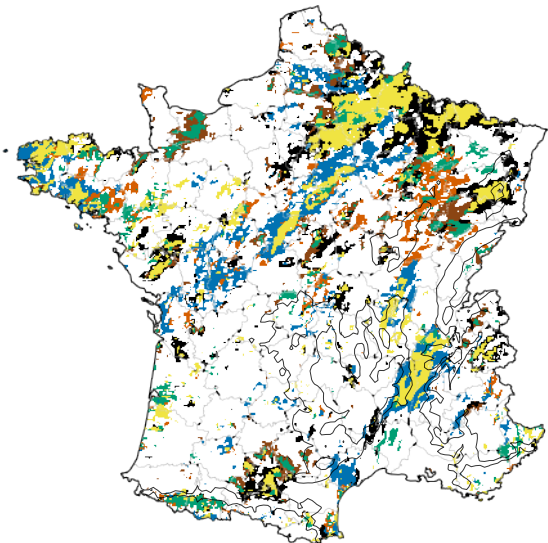
AOU



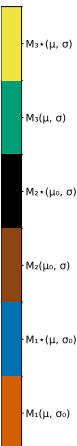
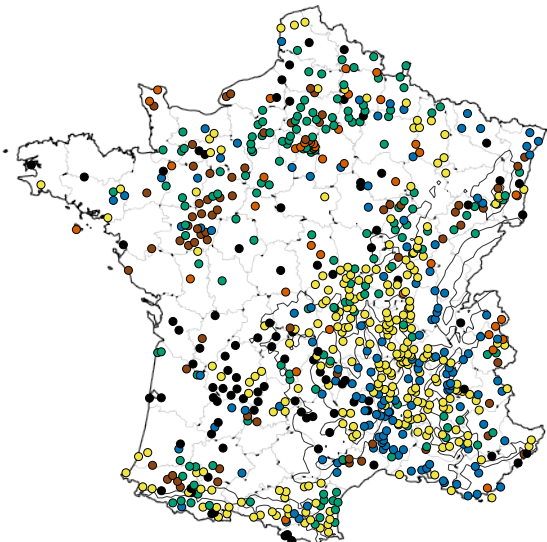
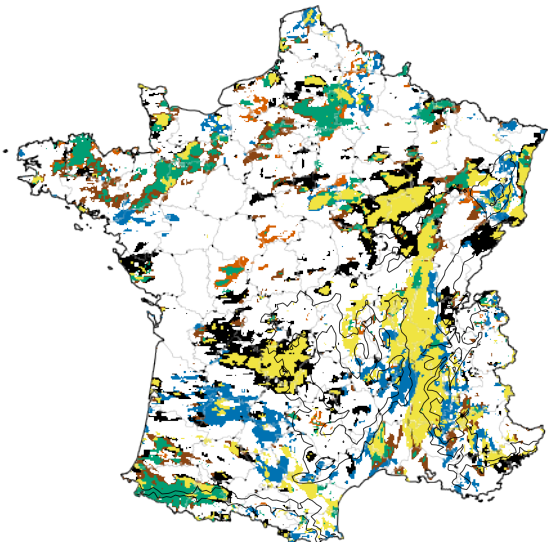
SEP



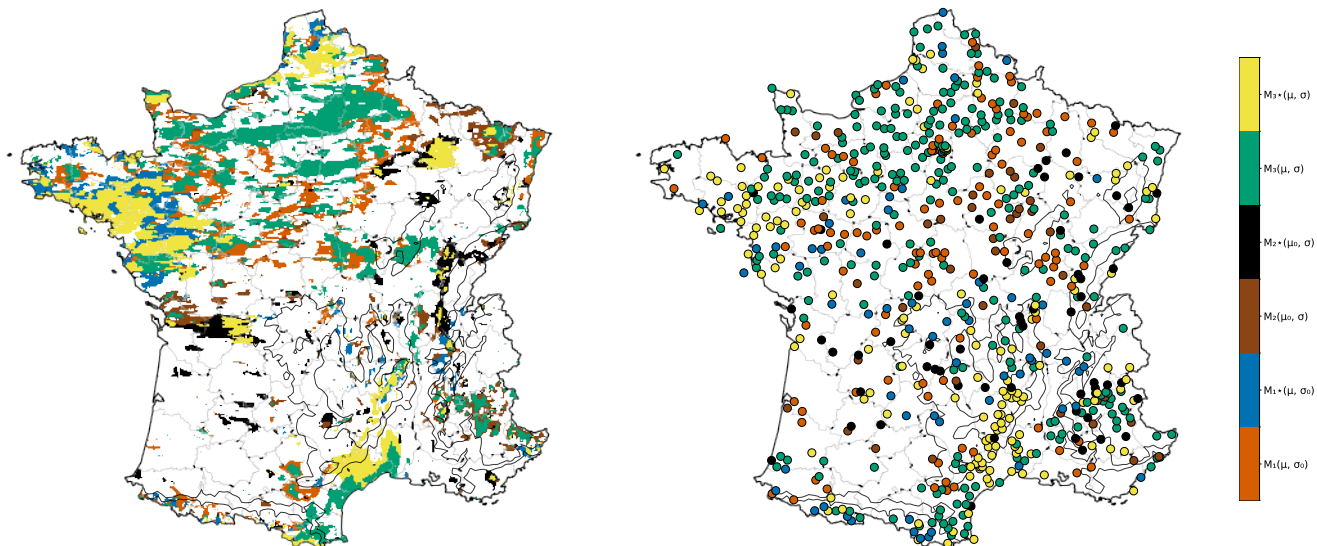
OCT



NOV



DEC

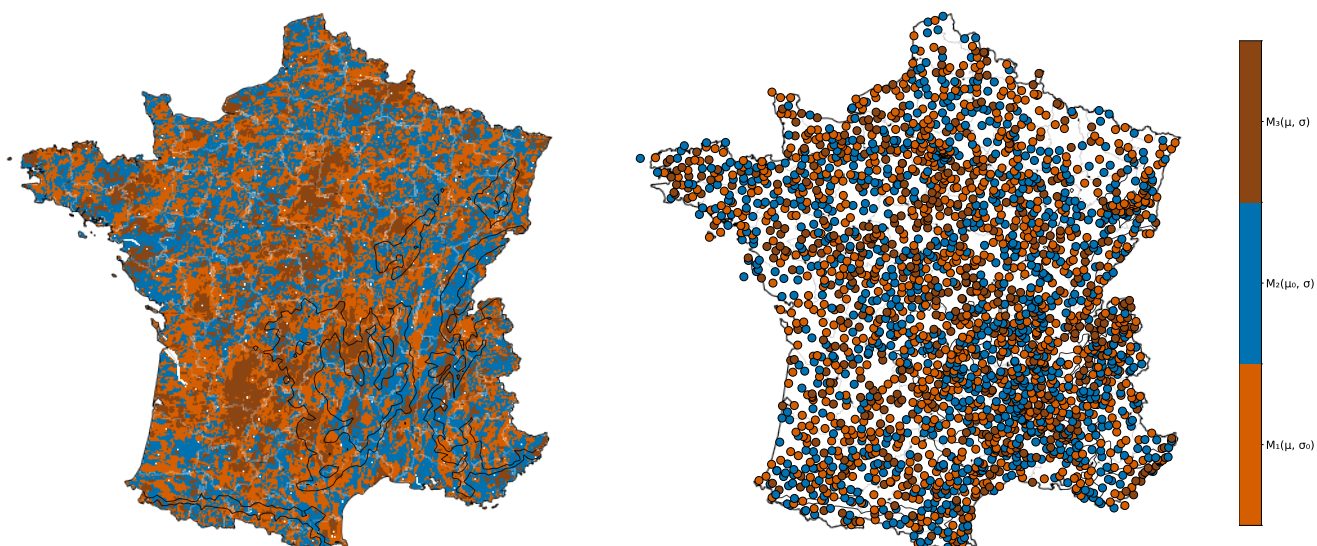


5.2 Données journalières (1990-2022)

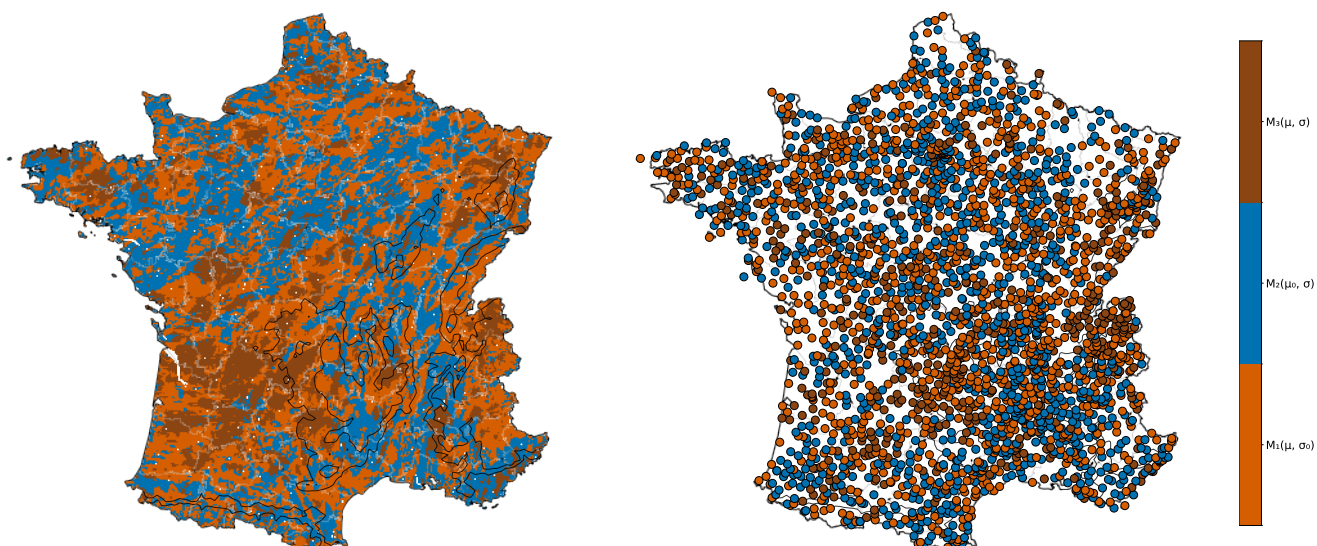
5.2.1 Par saison

5.2.1.1 Toutes tendances

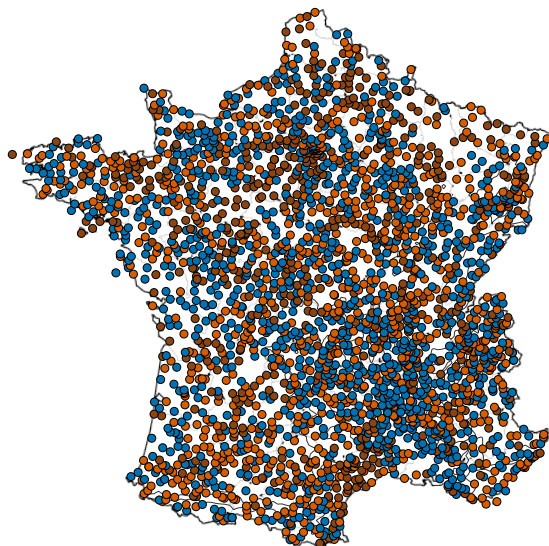
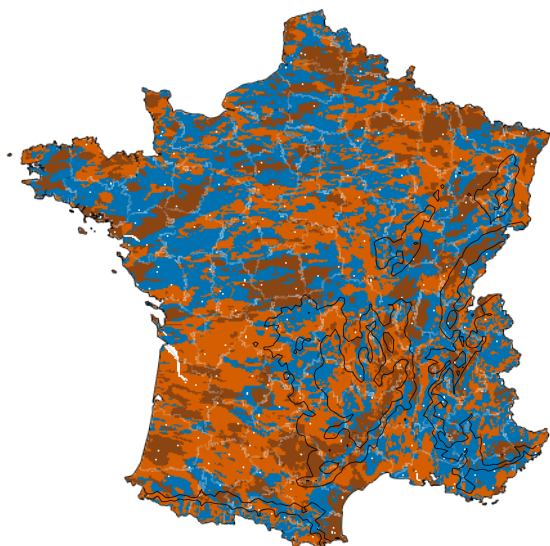
HYDRO



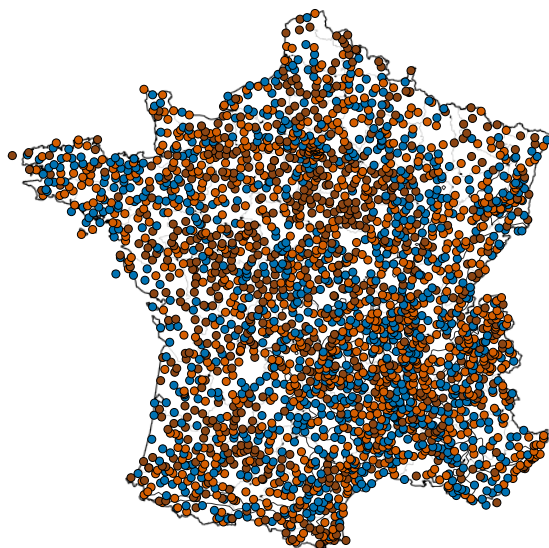
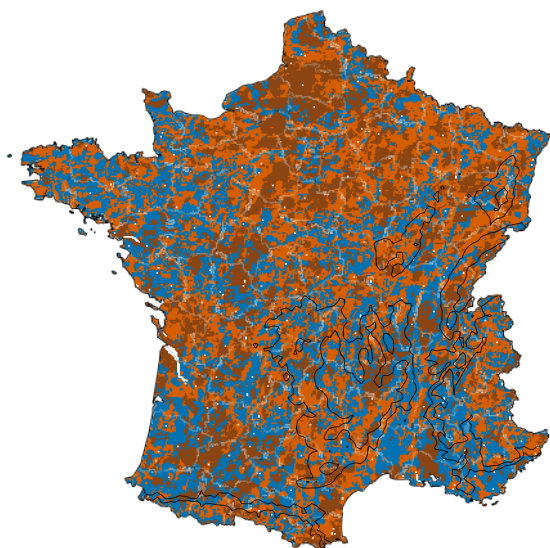
SON



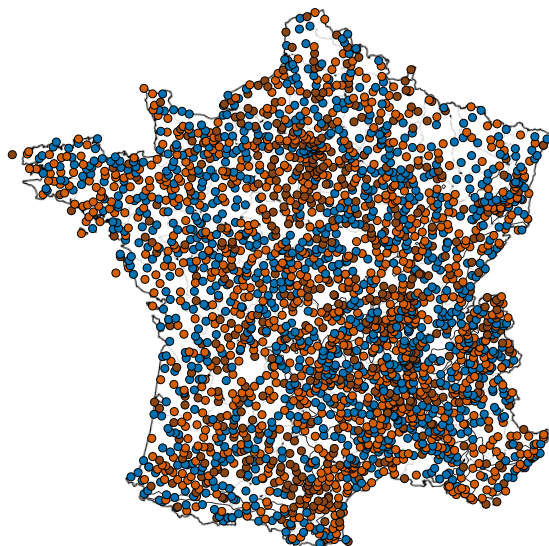
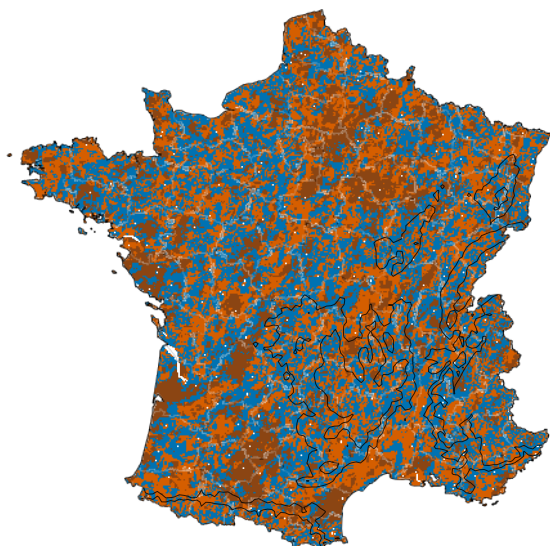
DJF



MAM

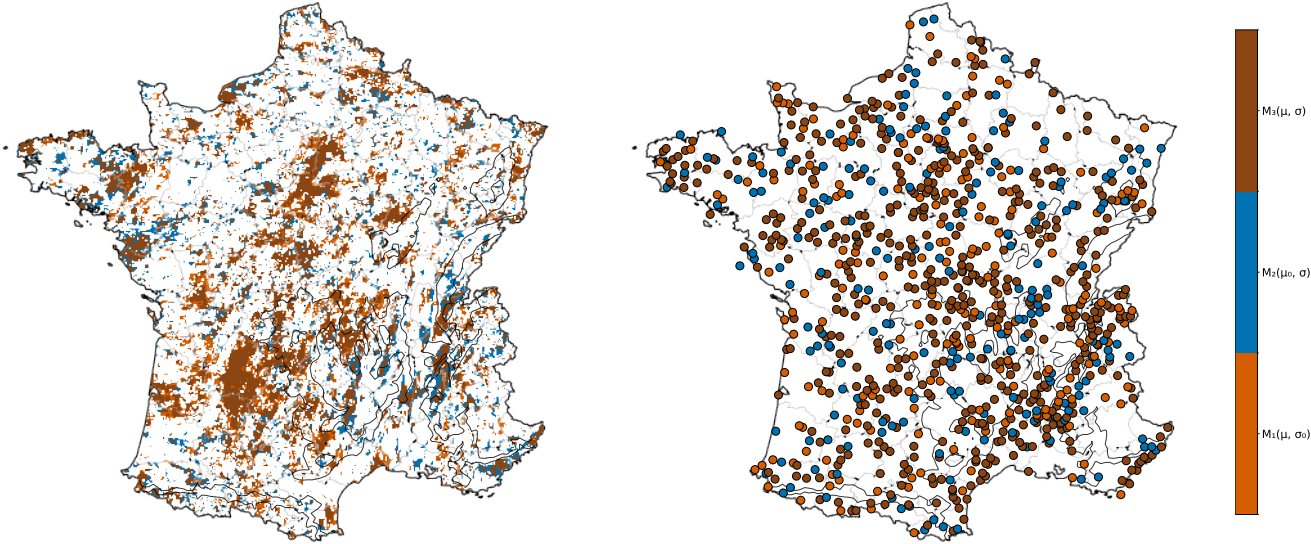


JJA

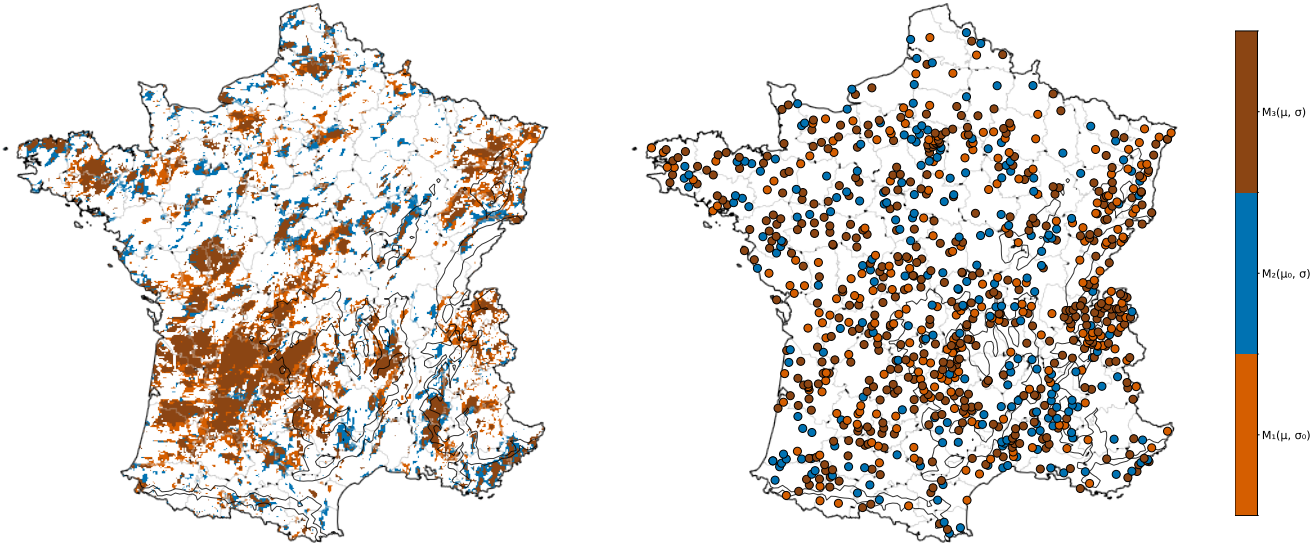


5.2.1.2 Tendances significatives

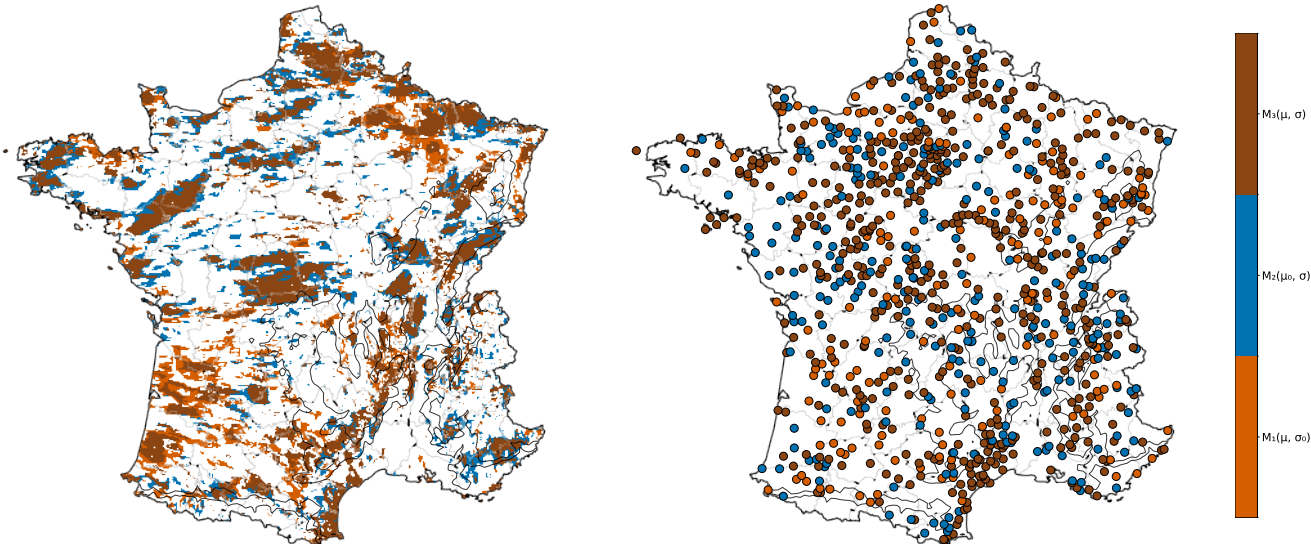
HYDRO



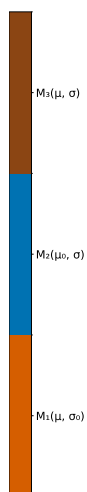
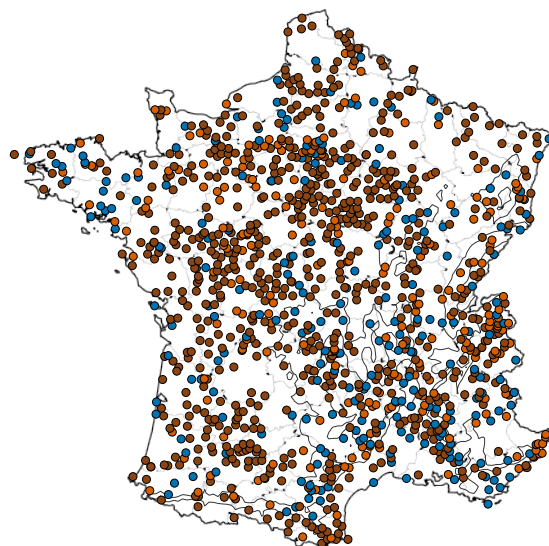
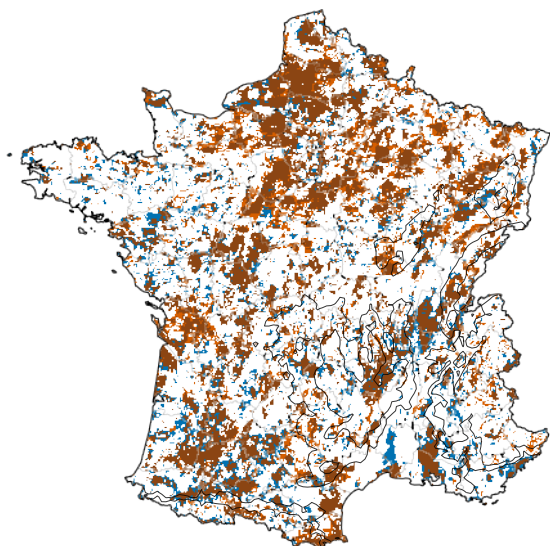
SON



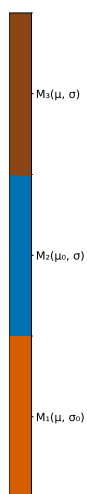
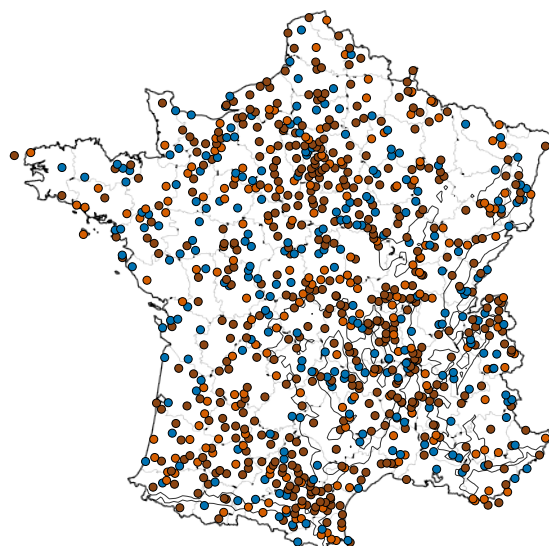
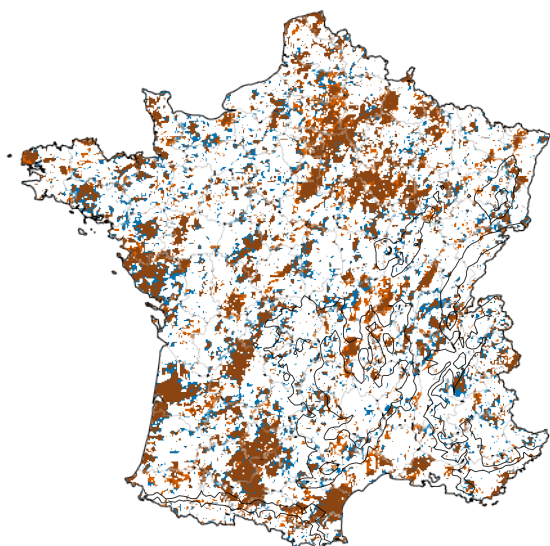
DJF



MAM



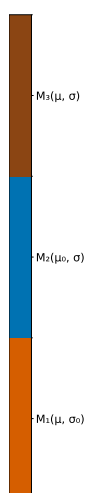
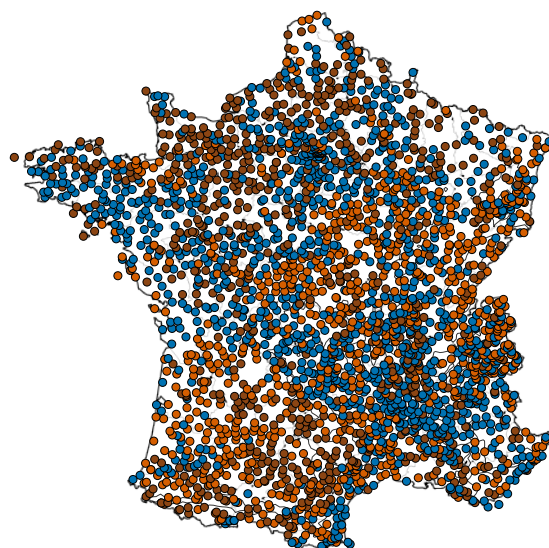
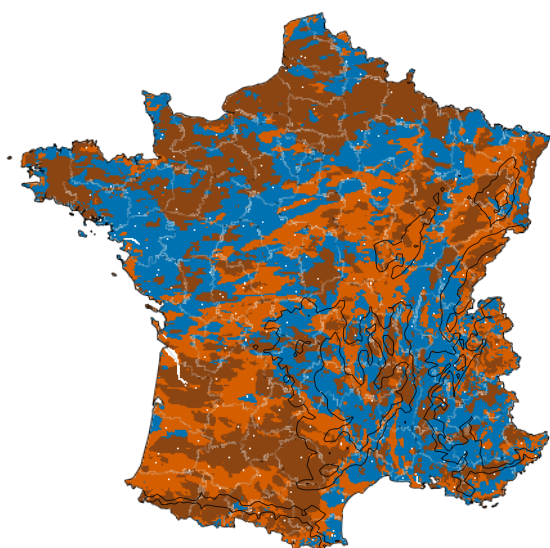
JJA



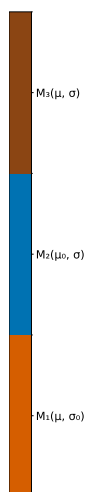
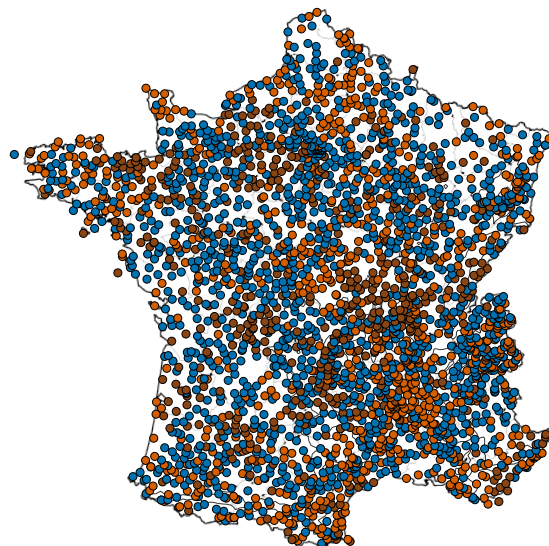
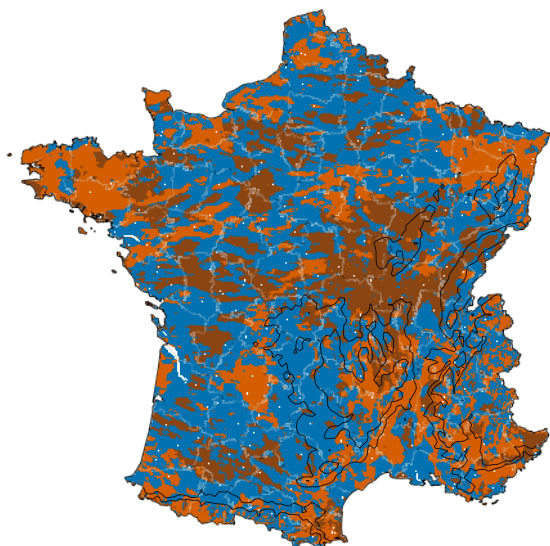
5.2.2 Par mois

5.2.2.1 Toutes tendances

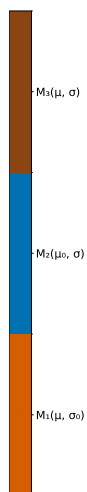
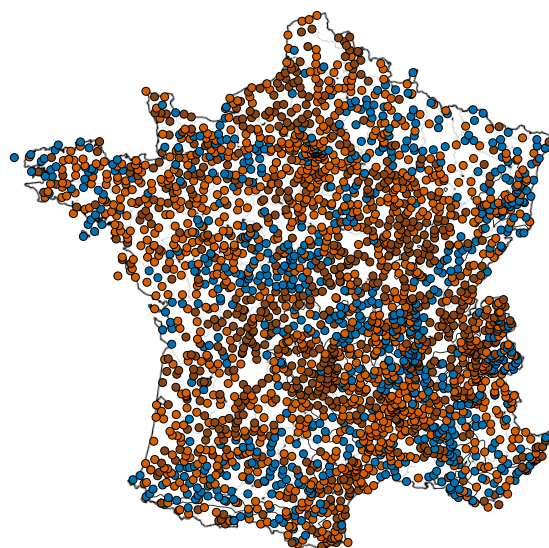
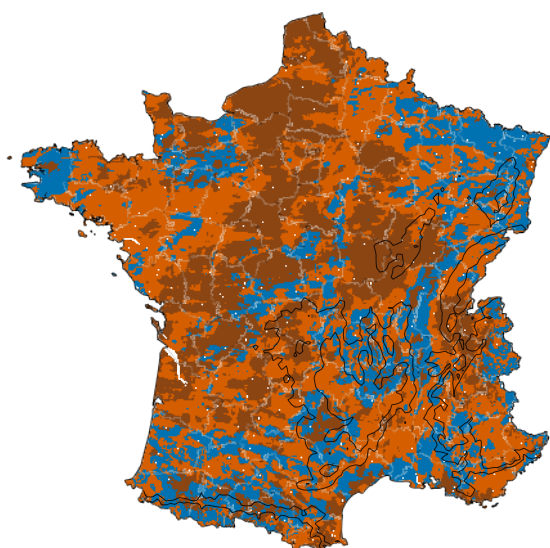
JAN



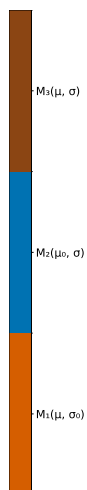
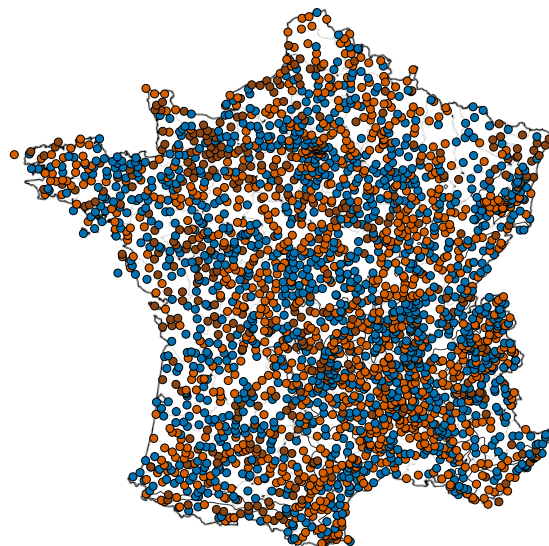
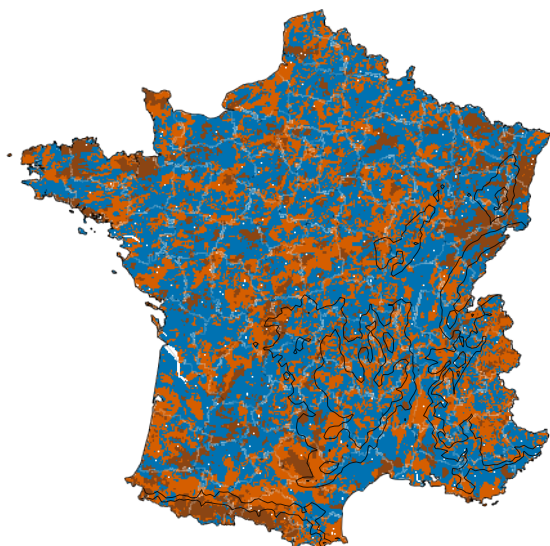
FEV



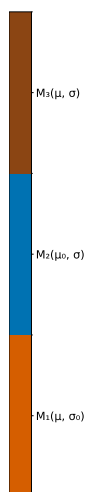
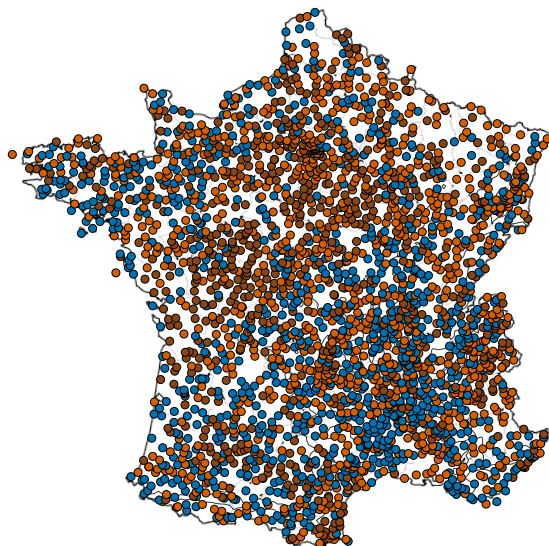
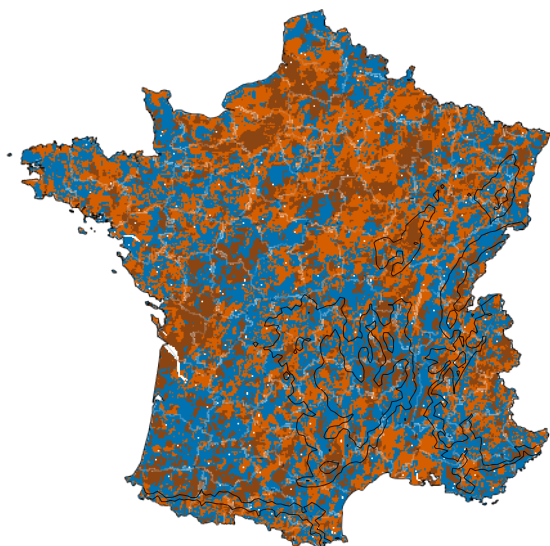
MAR



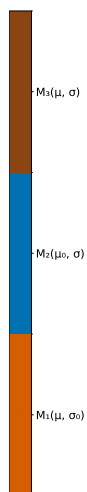
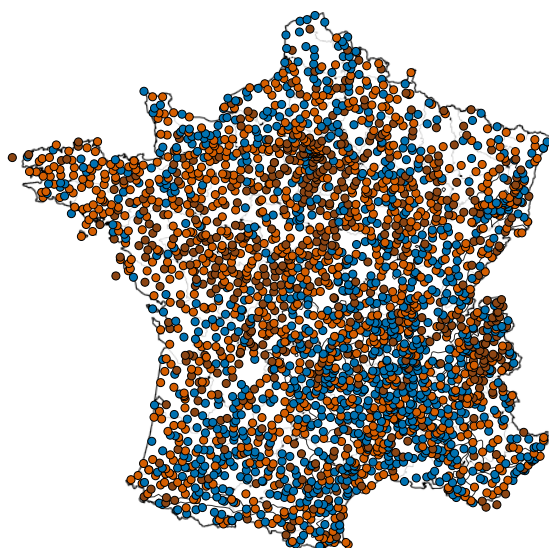
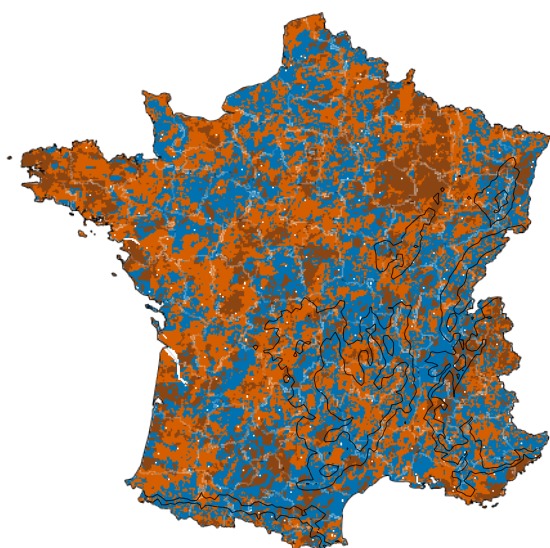
AVR



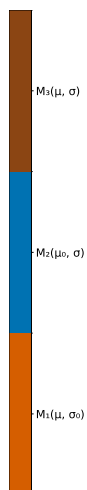
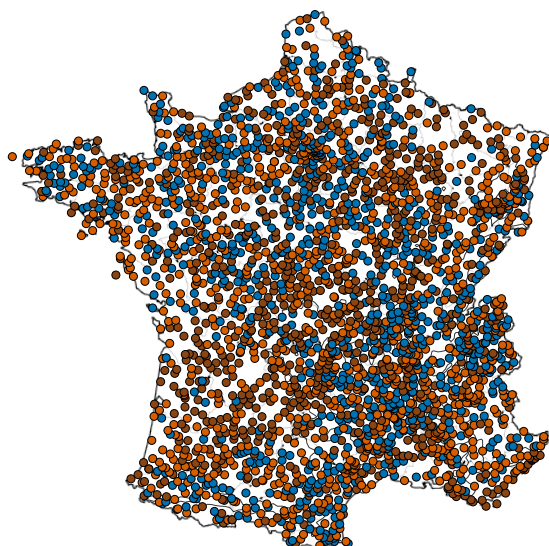
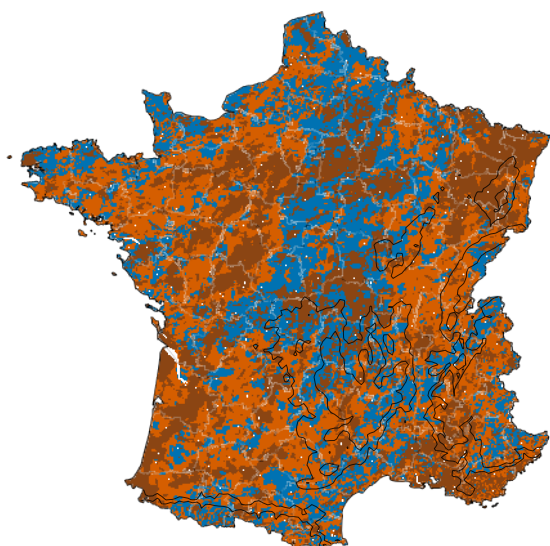
MAI



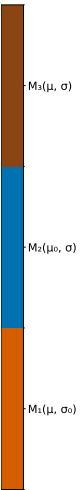
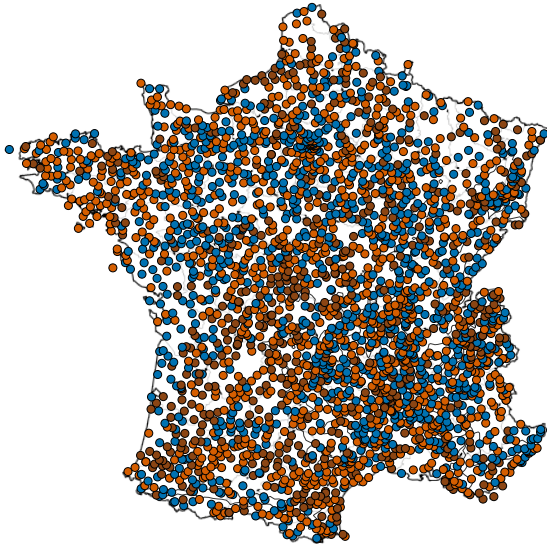
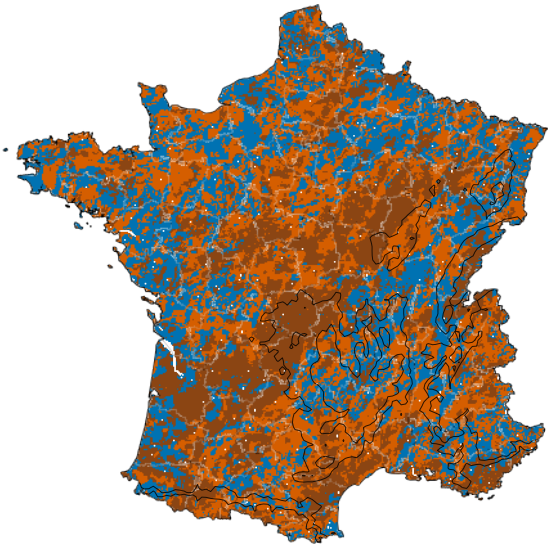
JUI



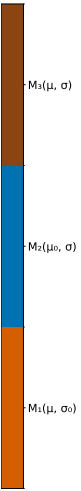
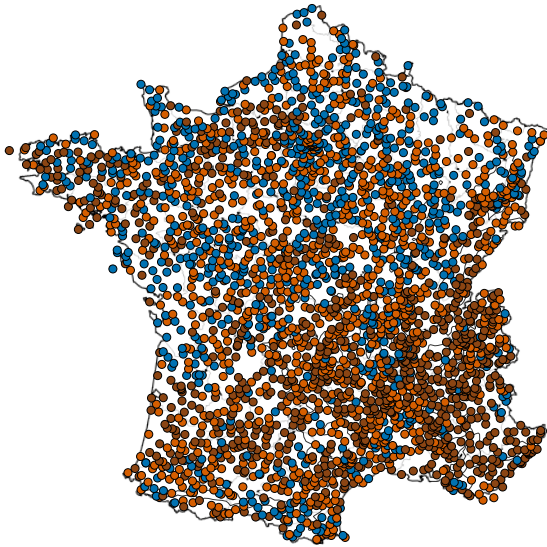
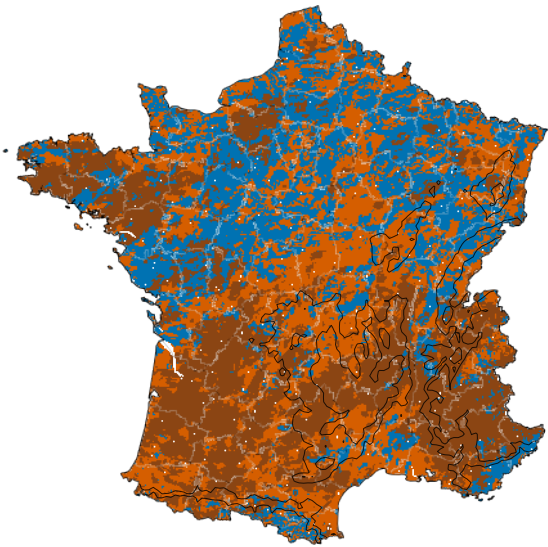
JUILL



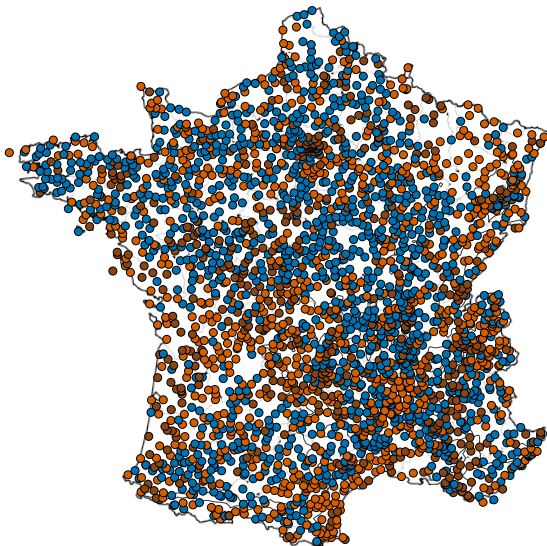
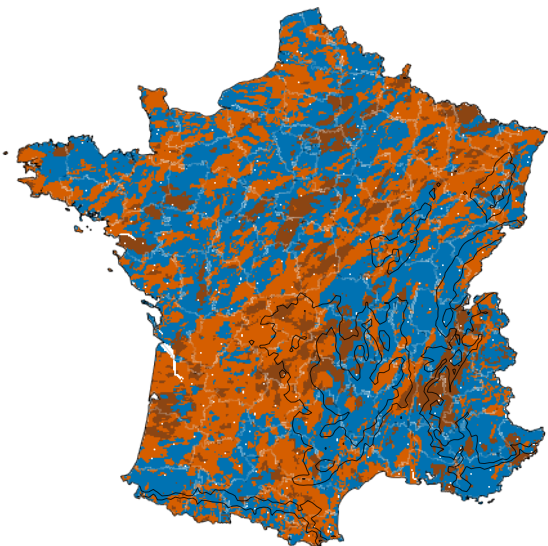
AOU



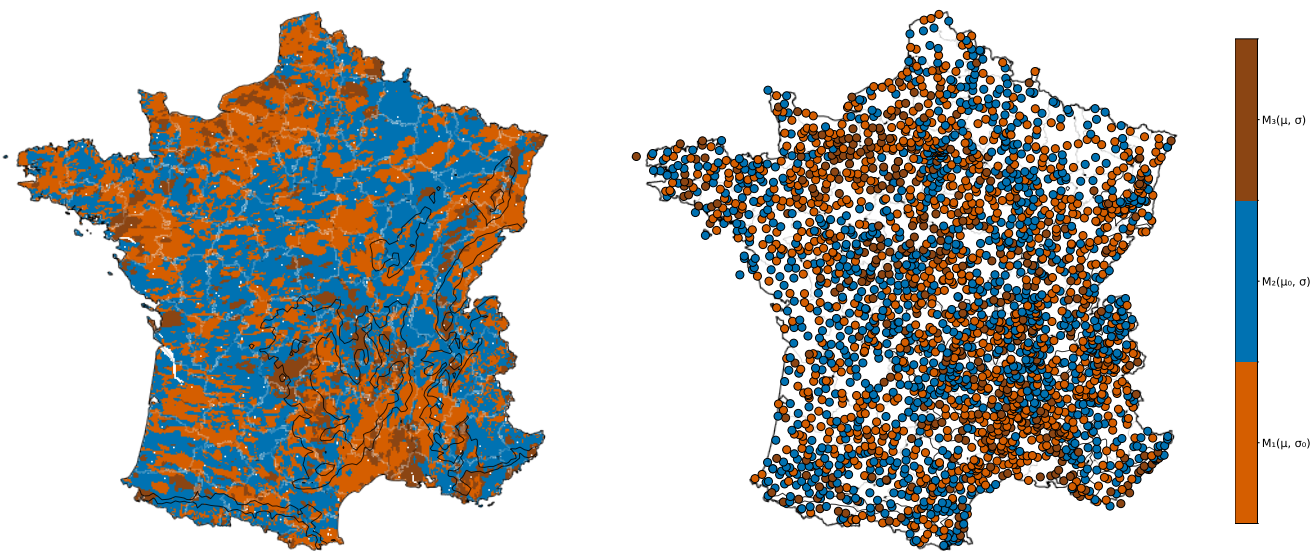
SEP



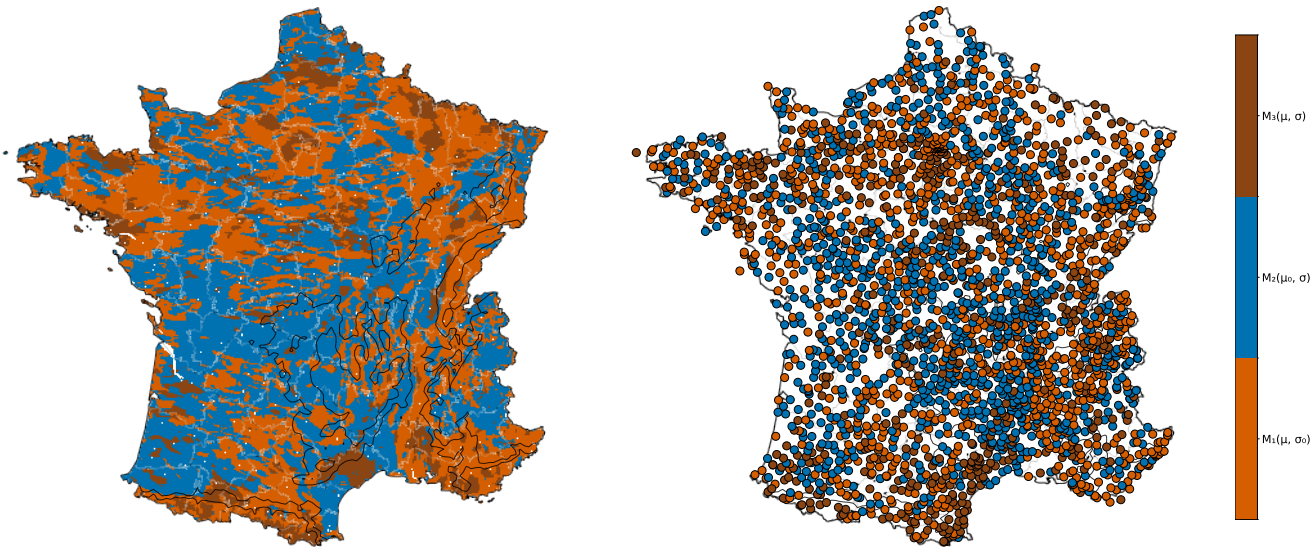
OCT



NOV

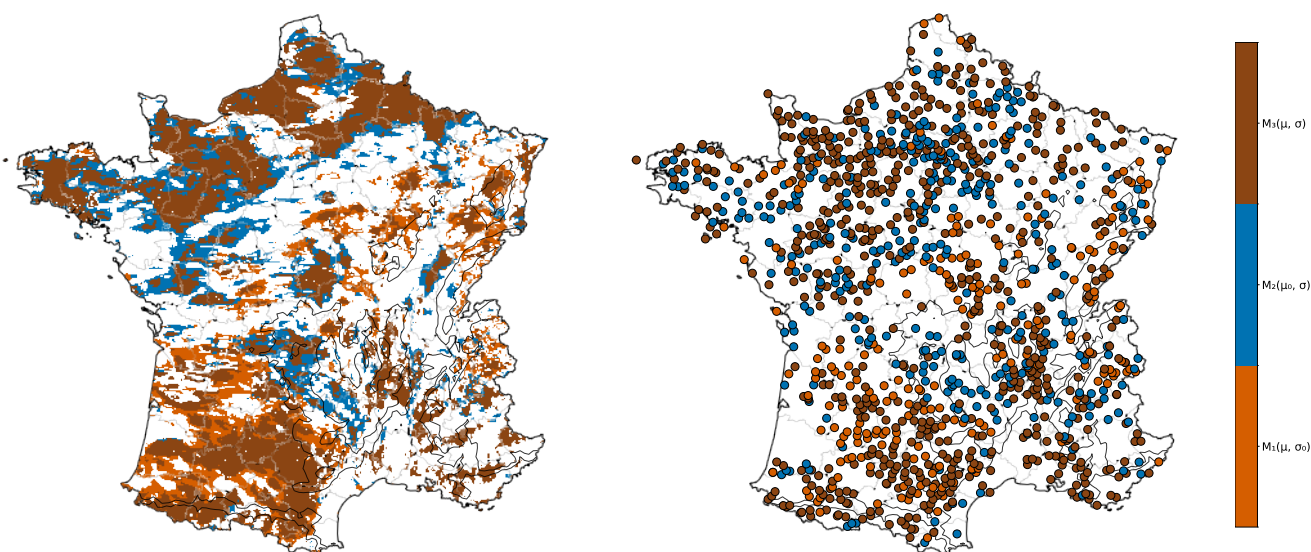


DEC

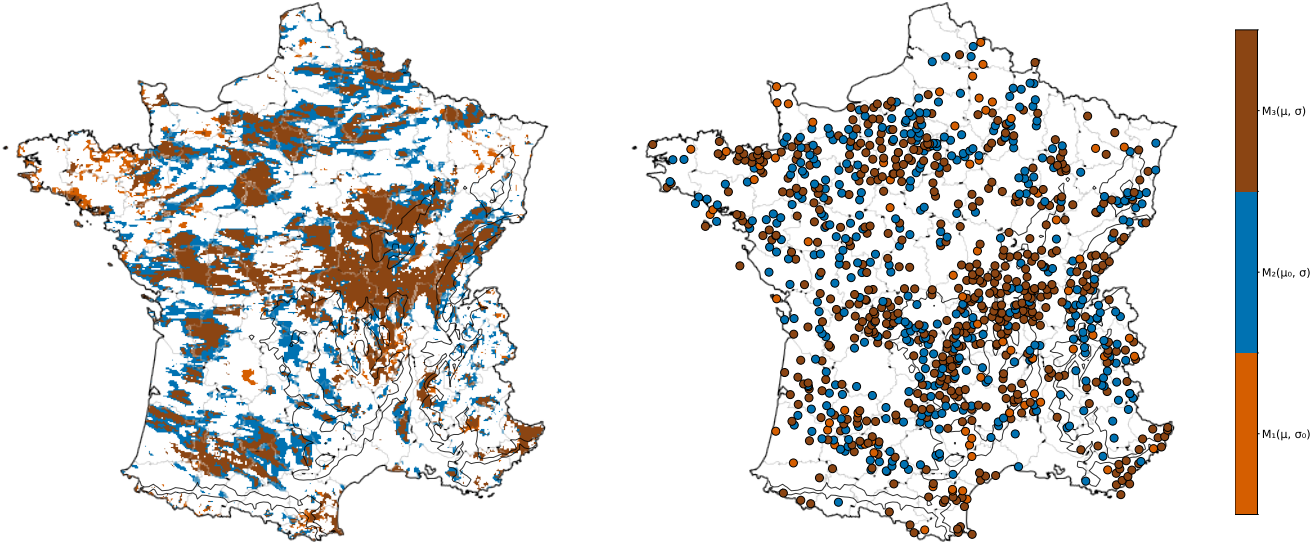


5.2.2.2 Tendances significatives

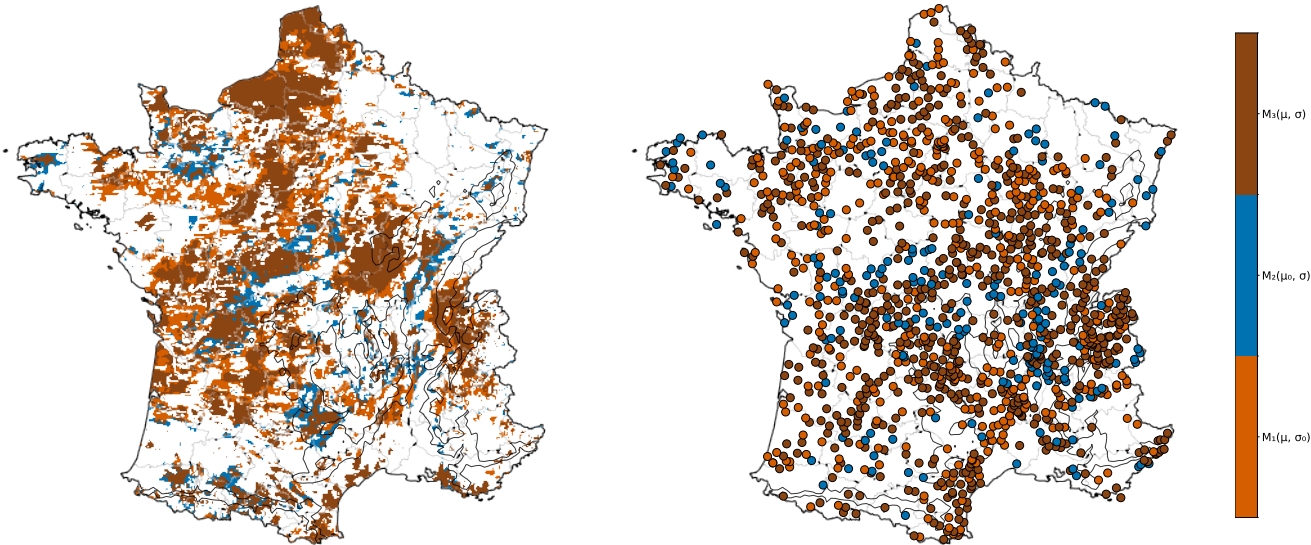
JAN



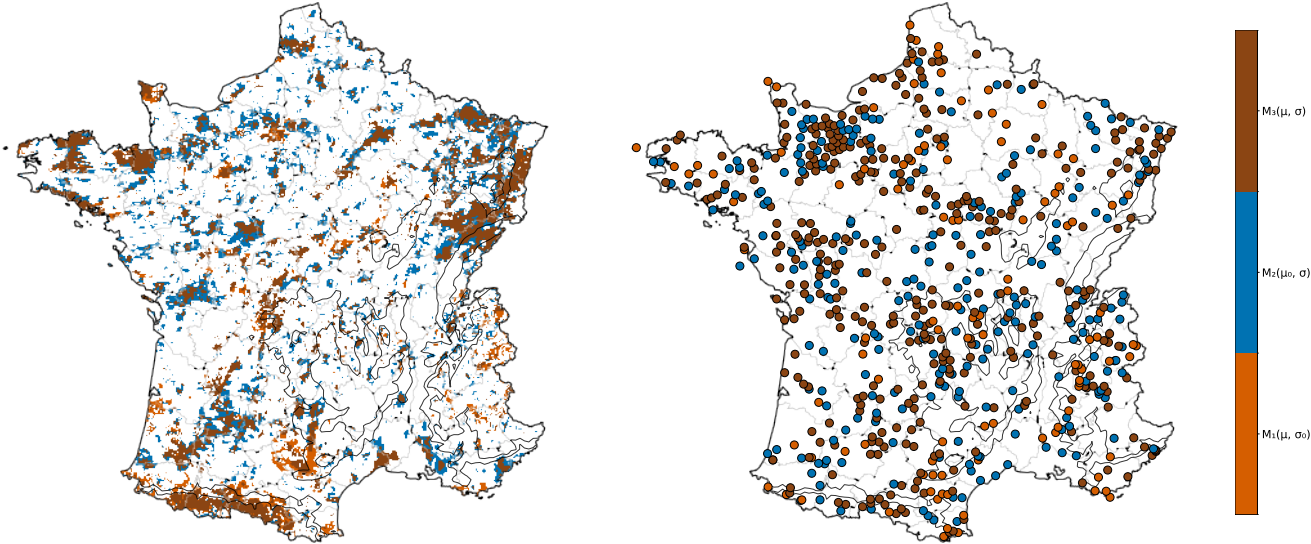
FEV



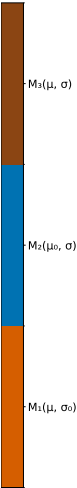
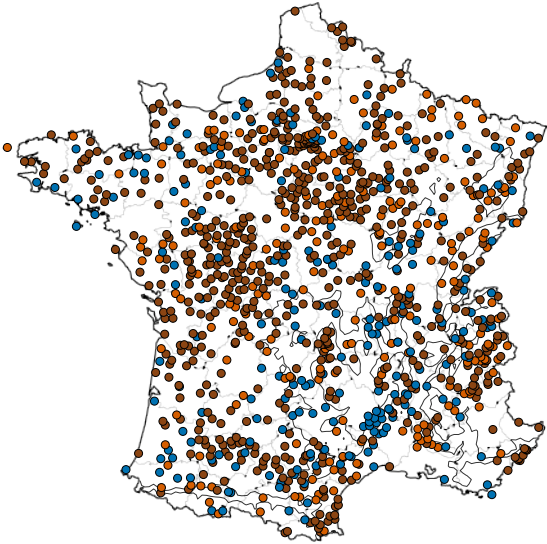
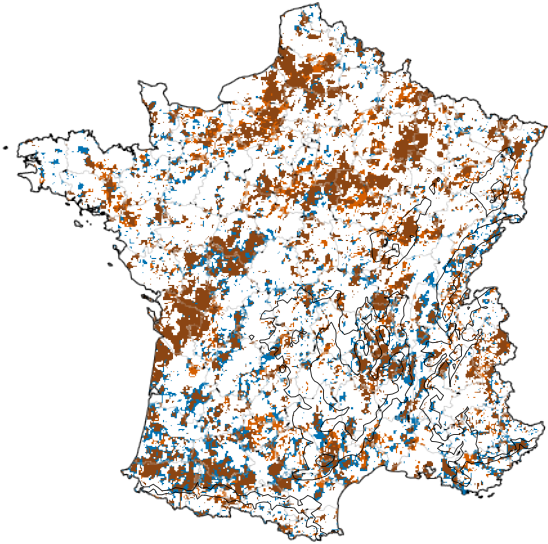
MAR



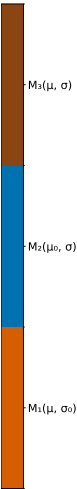
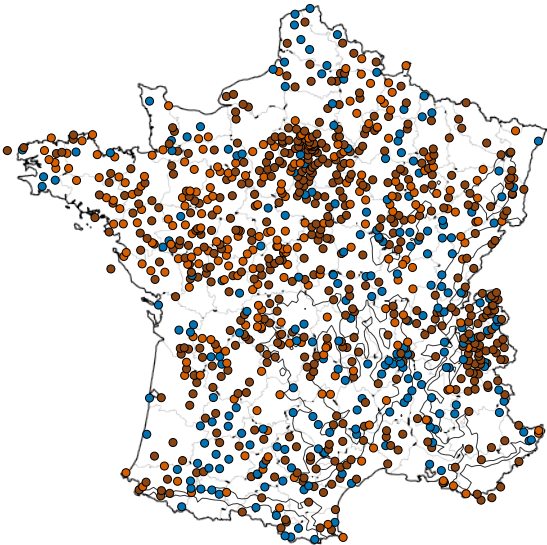
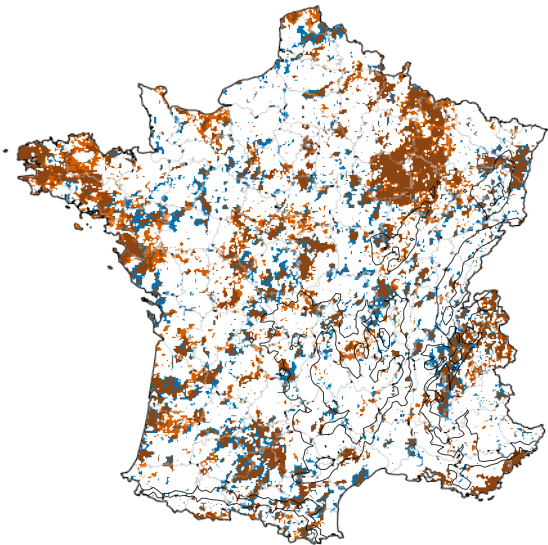
AVR



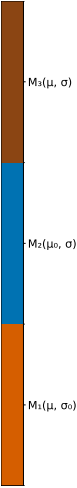
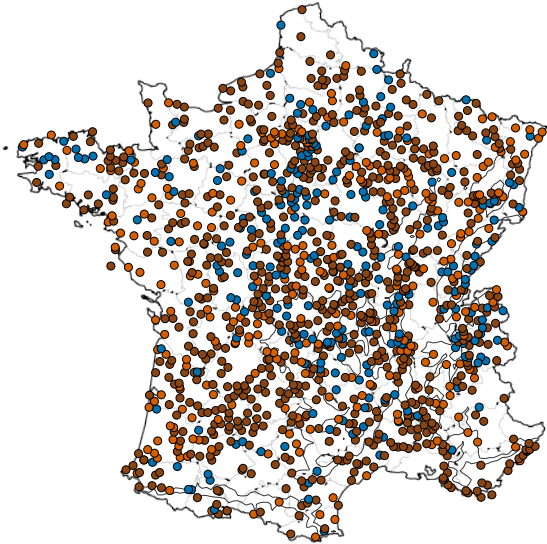
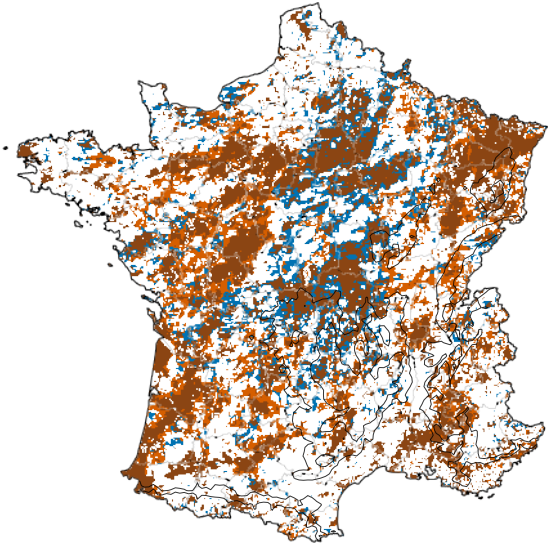
MAI



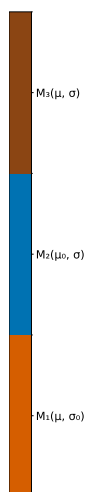
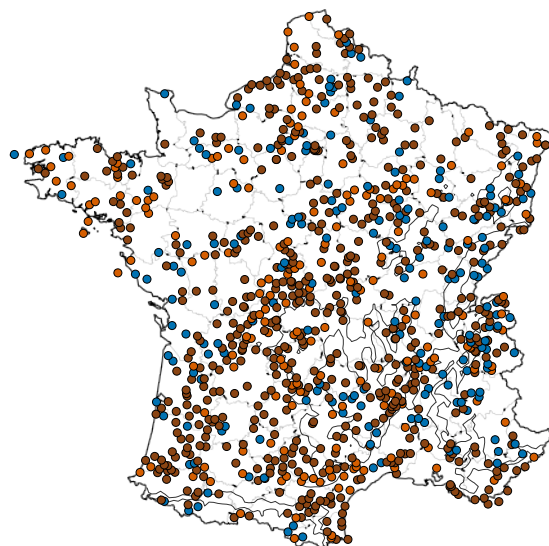
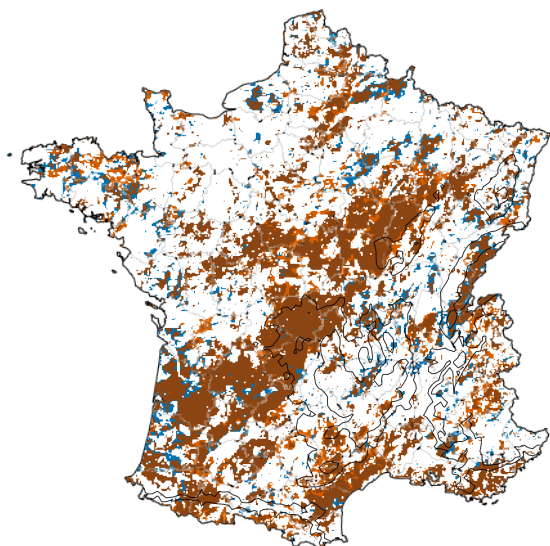
JUI



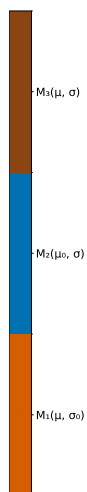
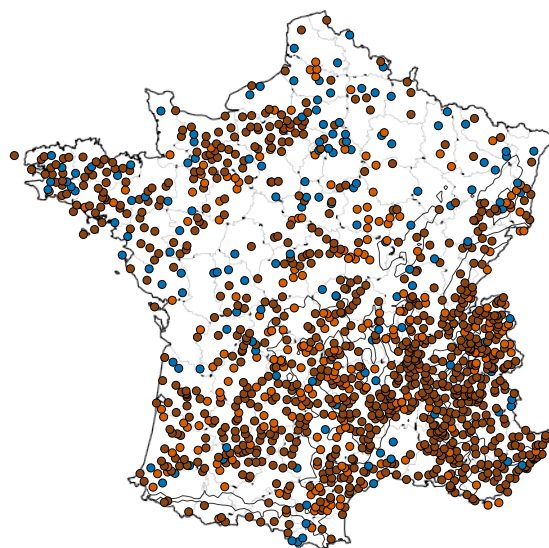
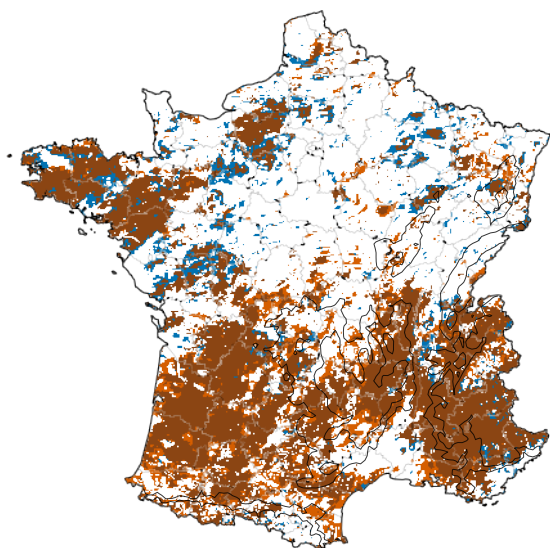
JUILL



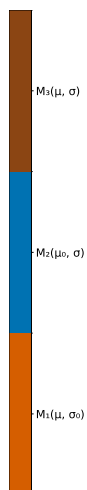
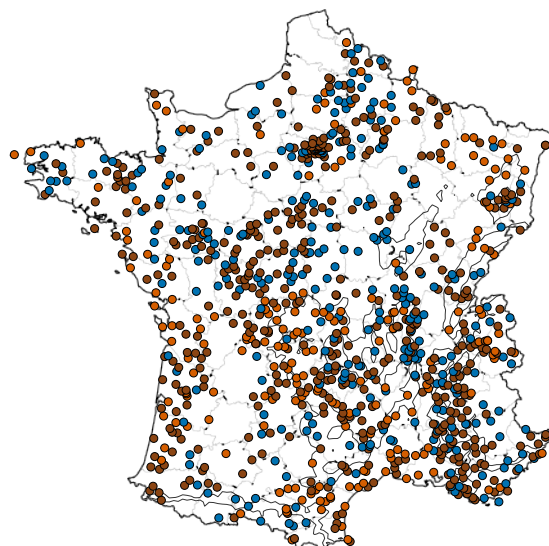
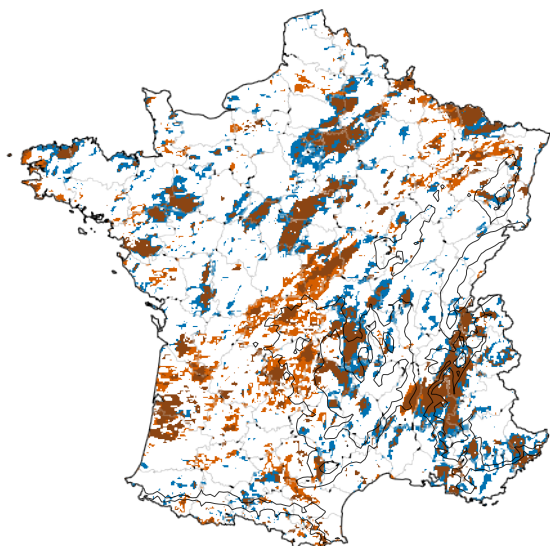
AOU



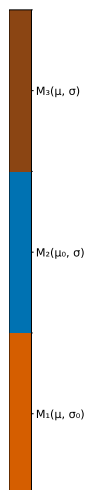
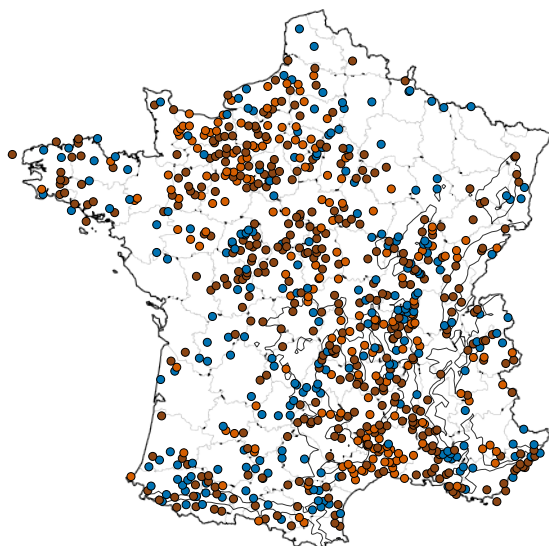
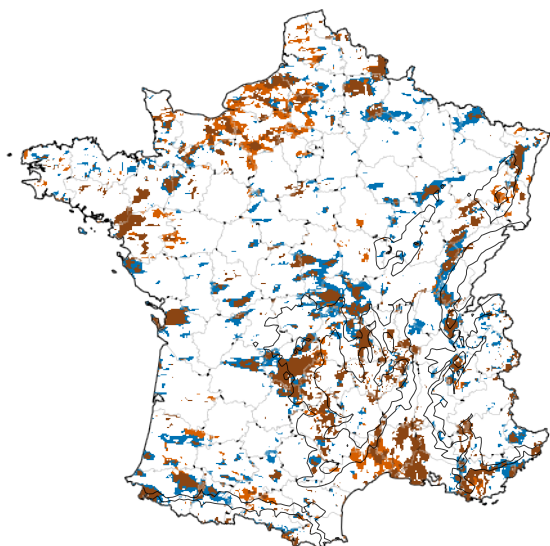
SEP



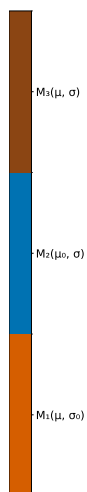
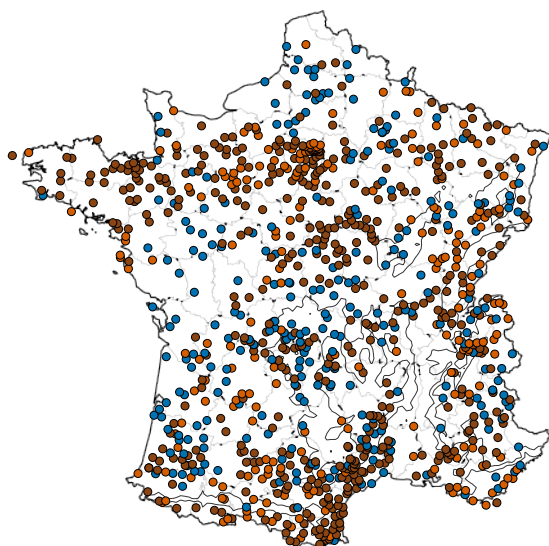
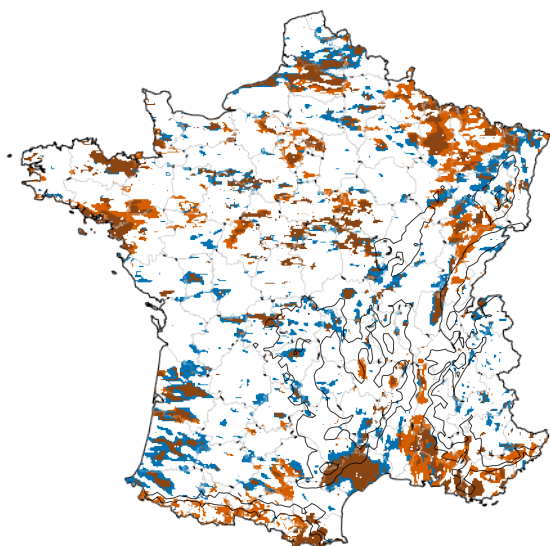
OCT



NOV



DEC

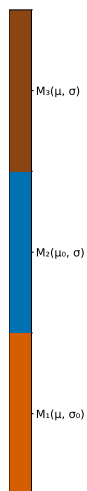
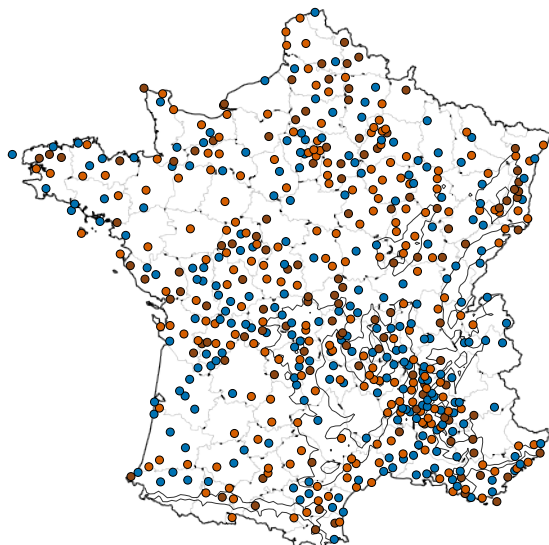
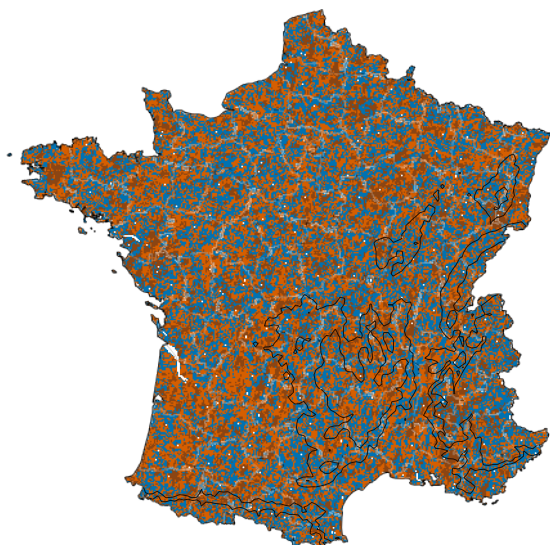


5.3 Données horaire (1990-2022)

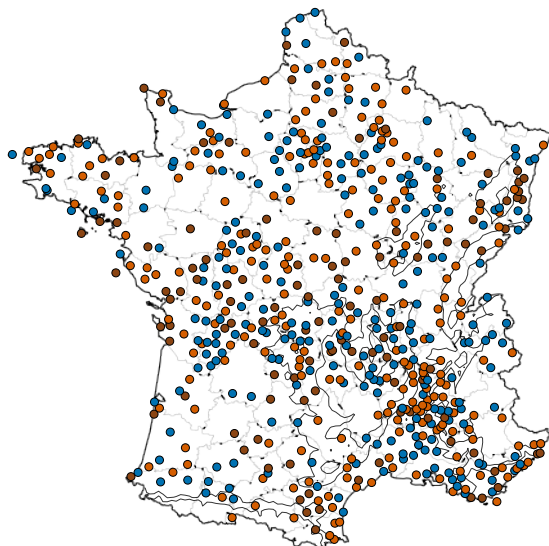
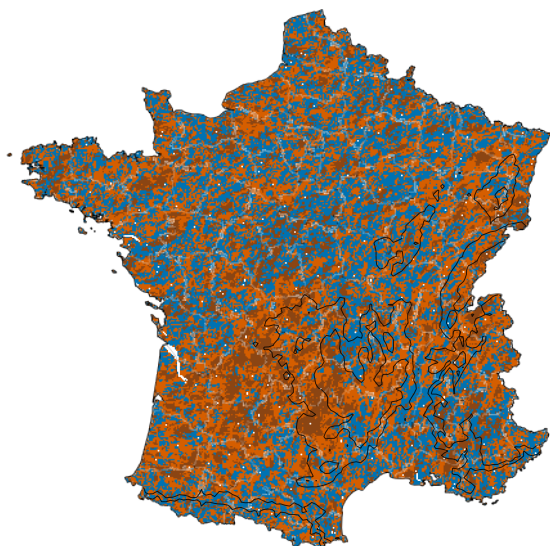
5.3.1 Par saison

5.3.1.1 Toutes tendances

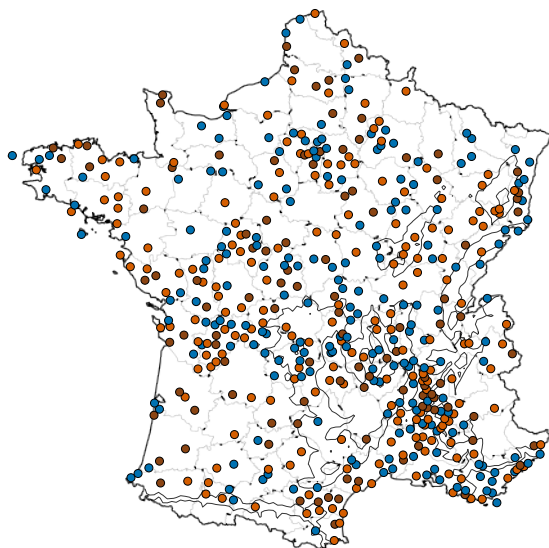
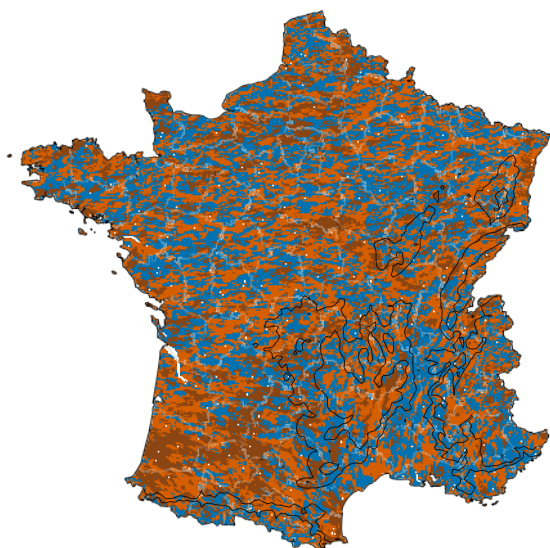
HYDRO



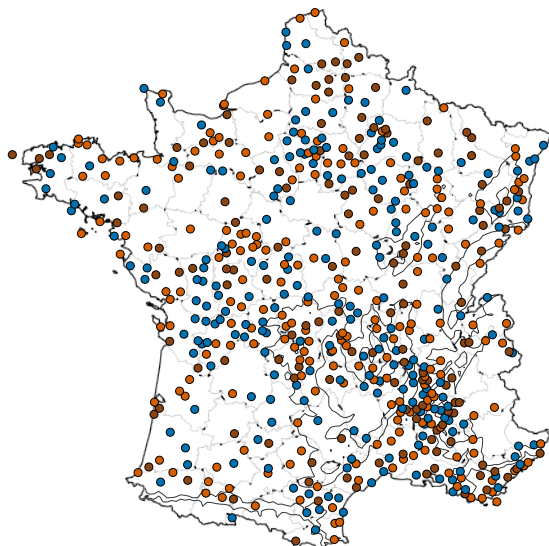
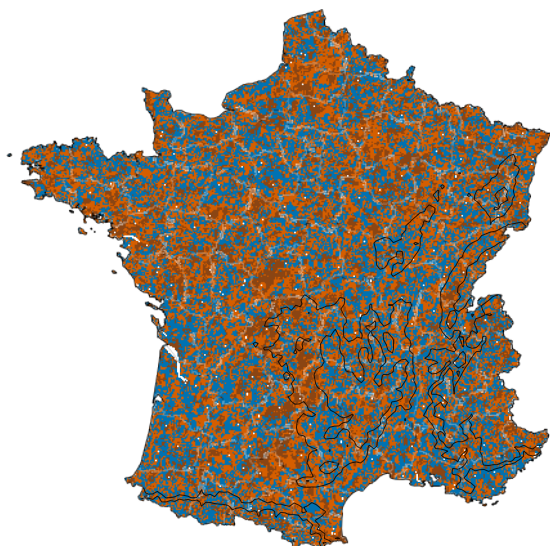
SON



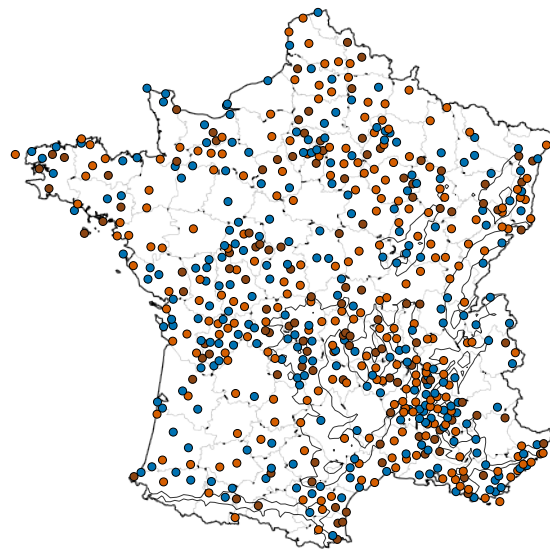
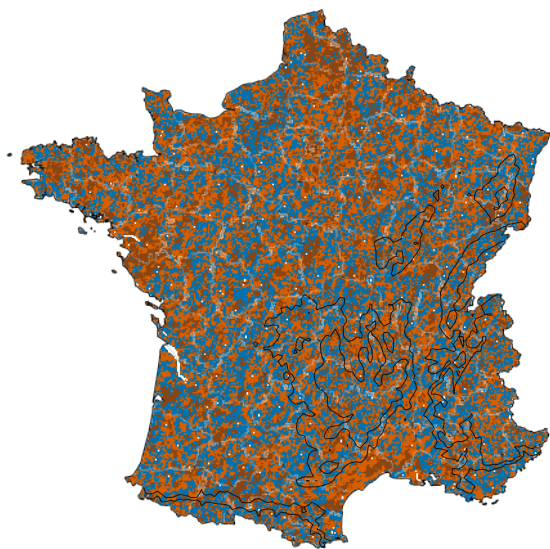
DJF



MAM

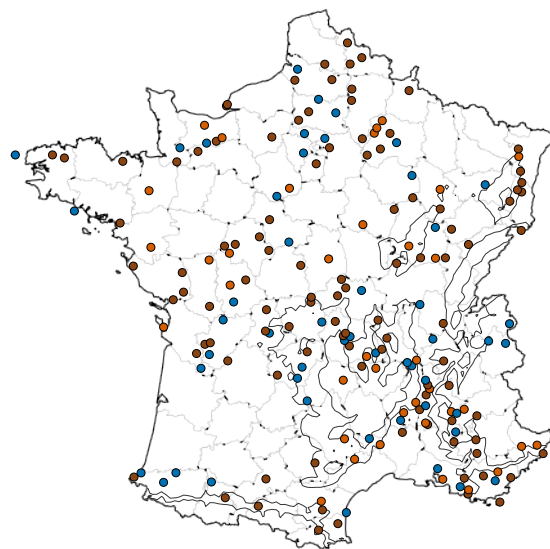
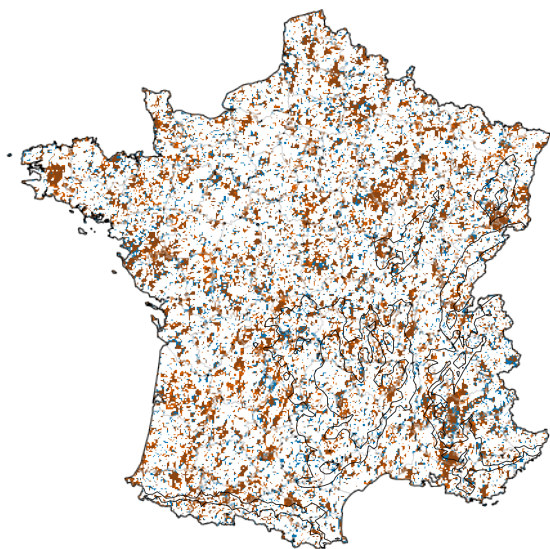


JJA

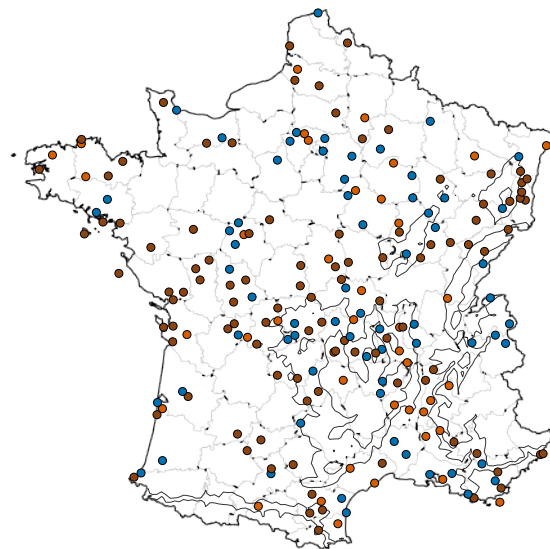
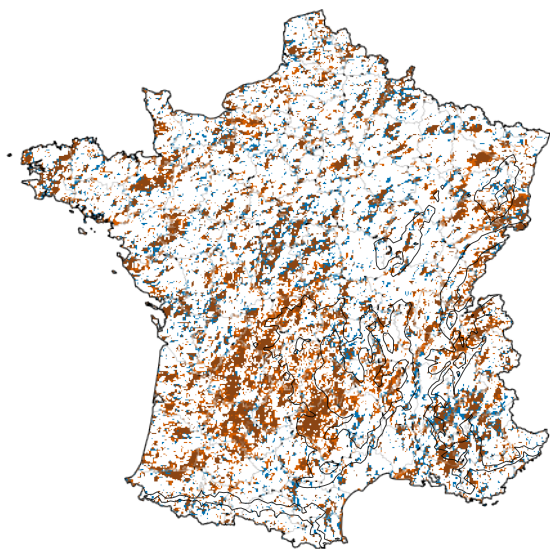


5.3.1.2 Tendances significatives

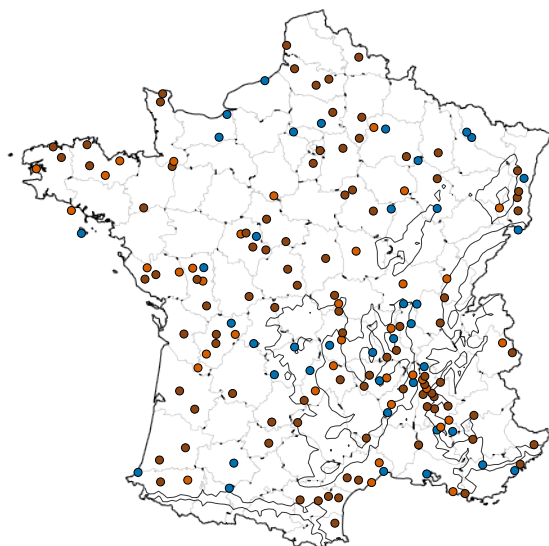
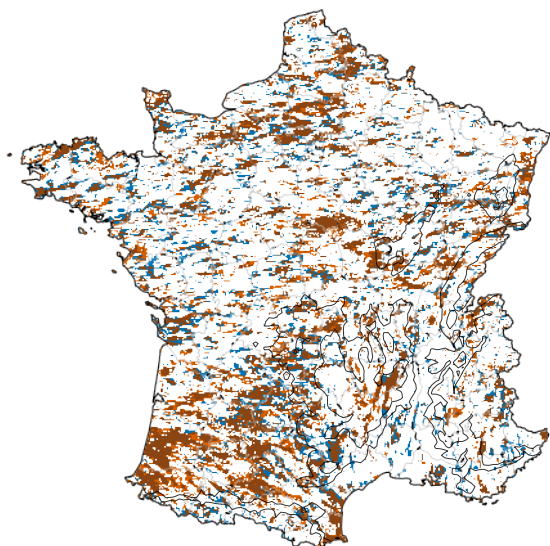
HYDRO



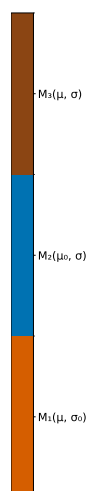
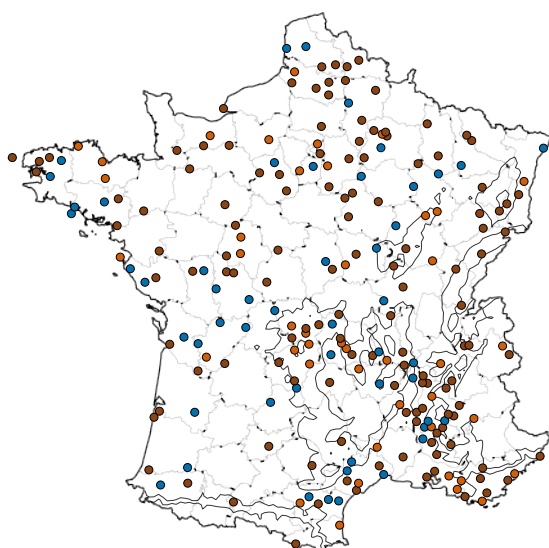
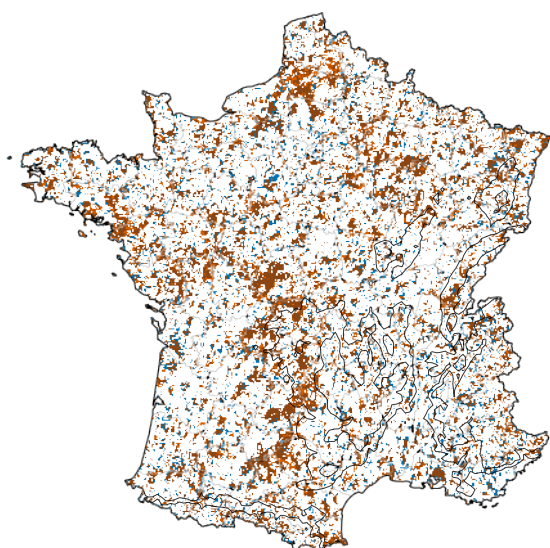
SON



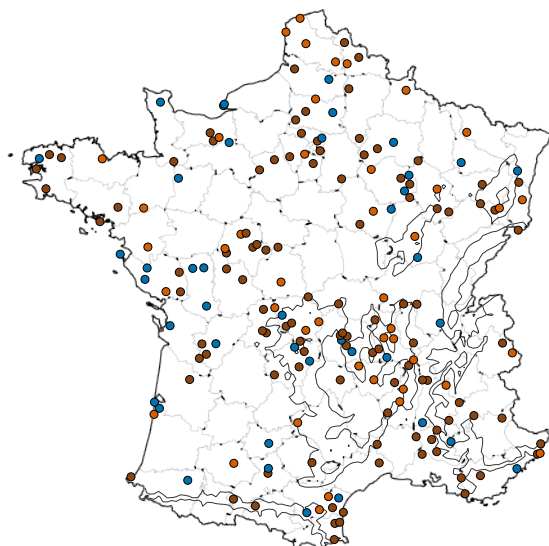
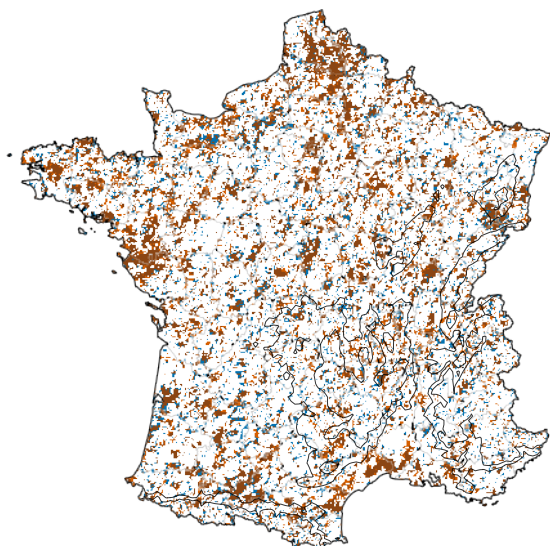
DJF



MAM



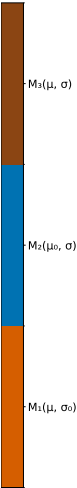
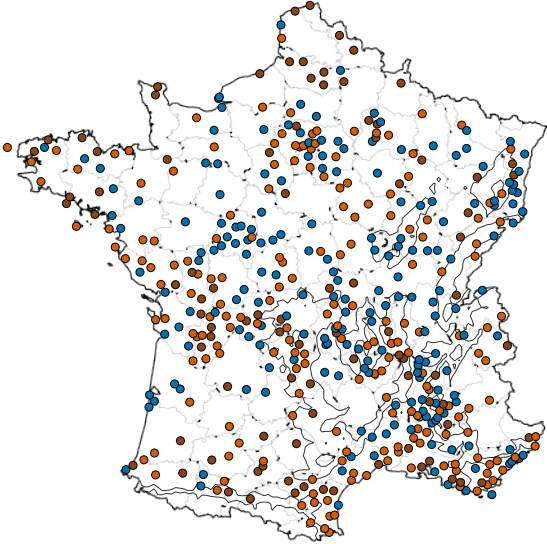
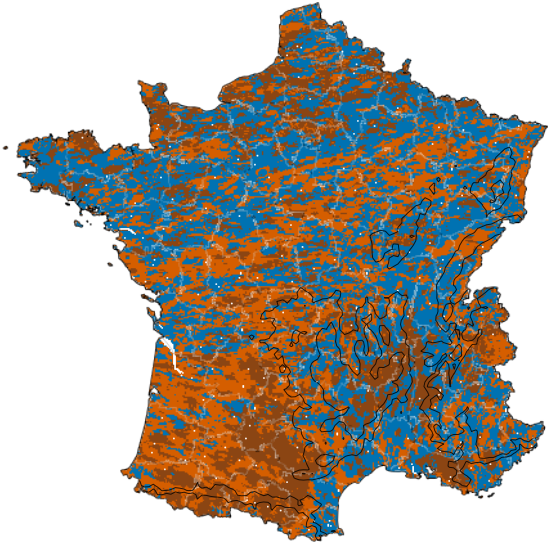
JJA



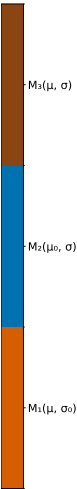
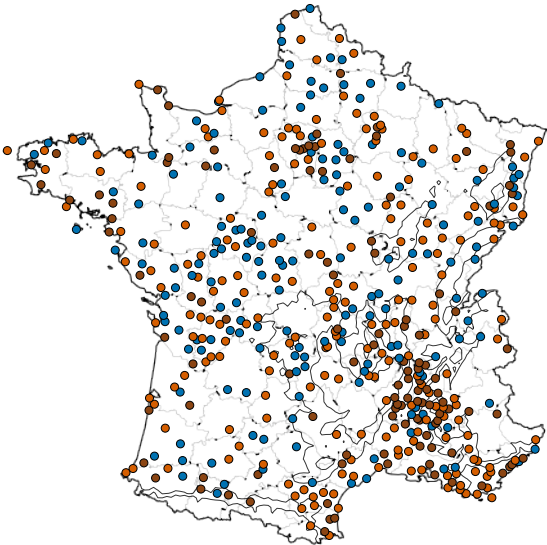
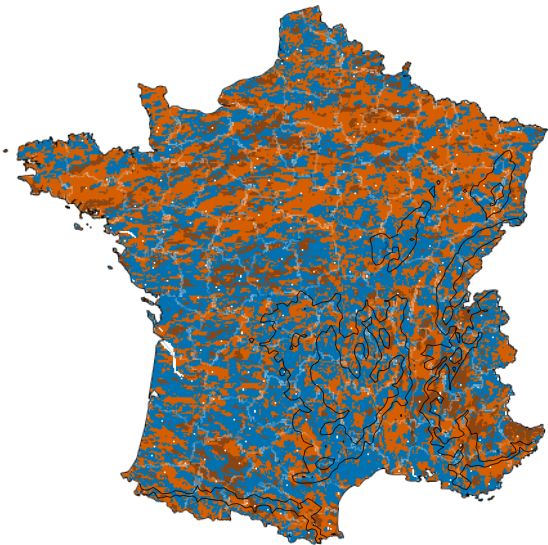
5.3.2 Par mois

5.3.2.1 Toutes tendances

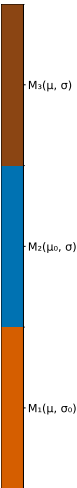
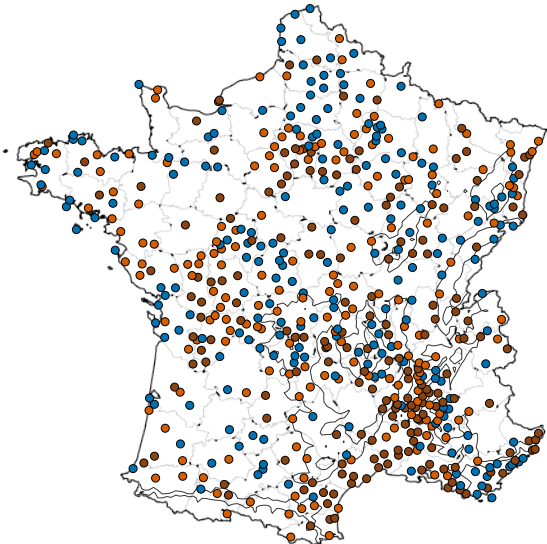
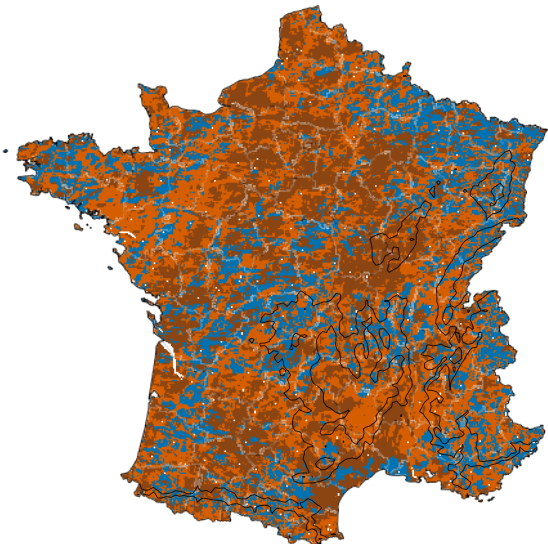
JAN



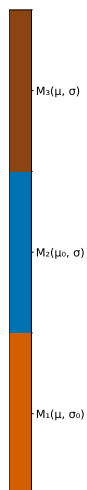
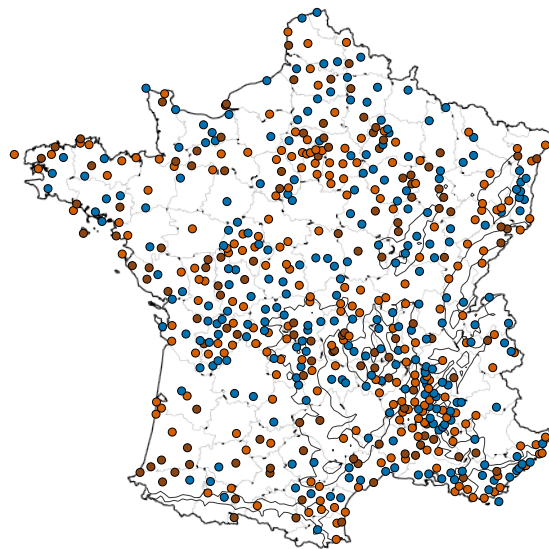
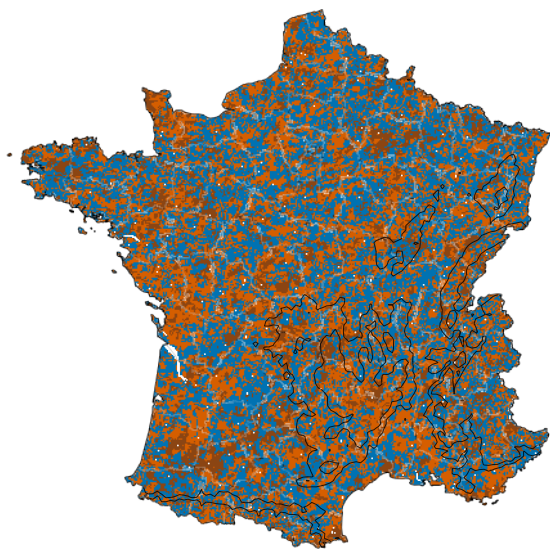
FEV



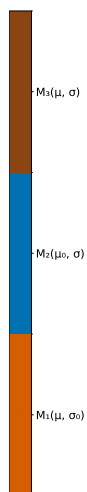
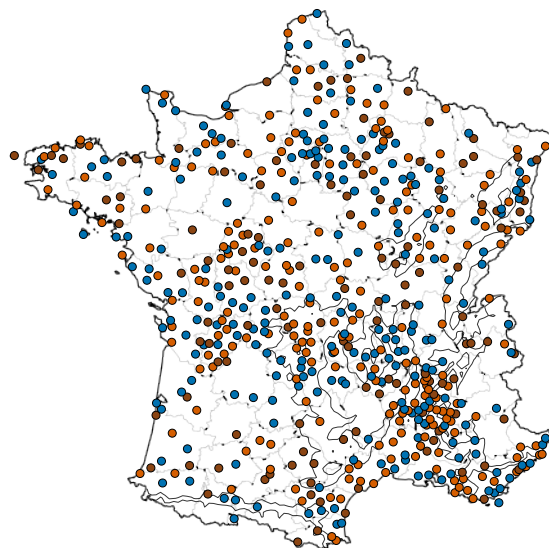
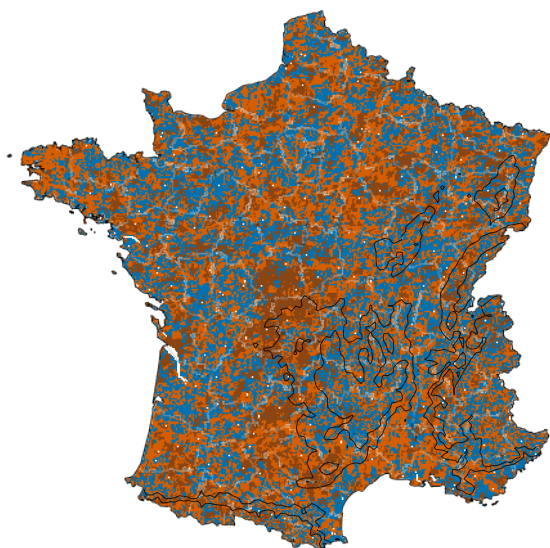
MAR



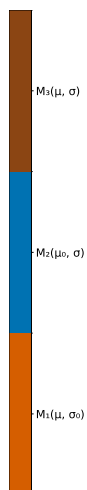
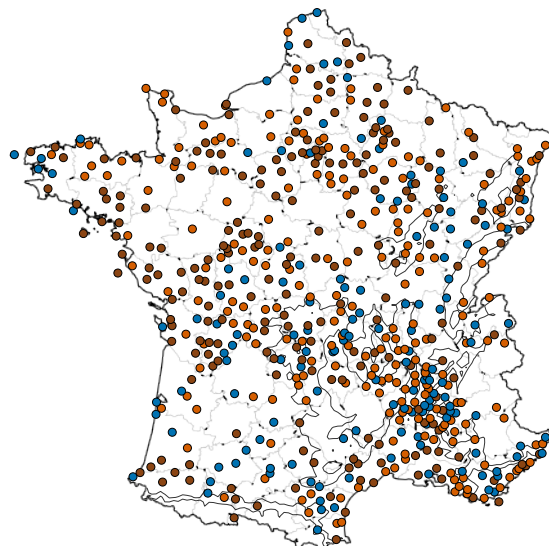
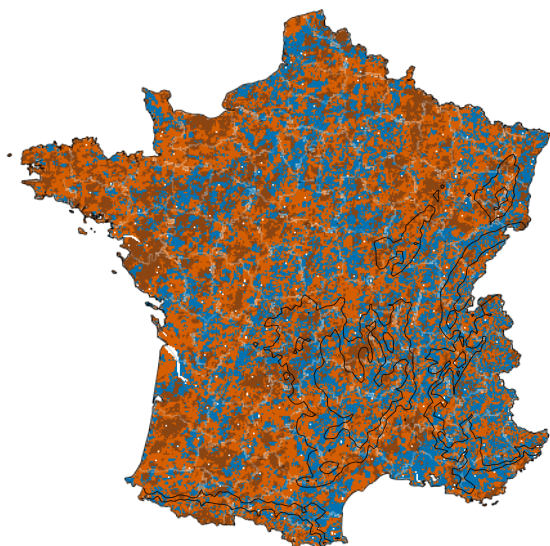
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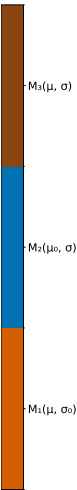
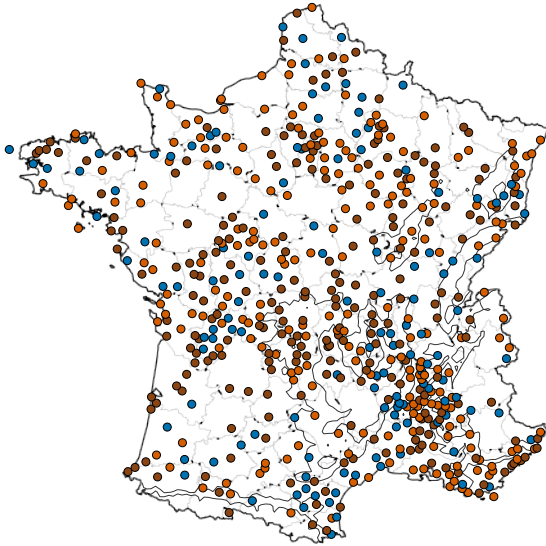
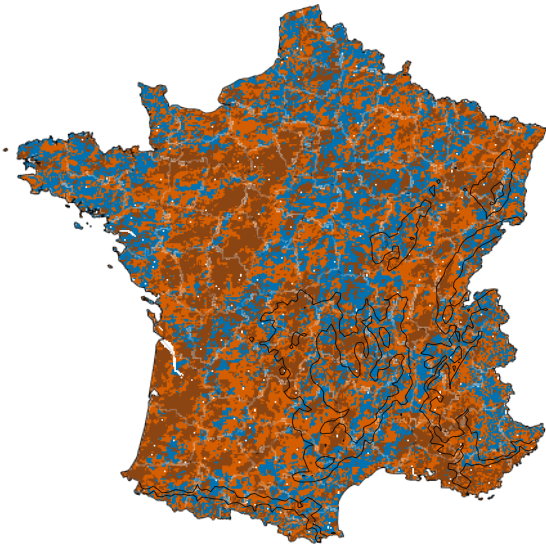
MAI



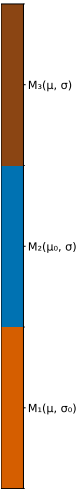
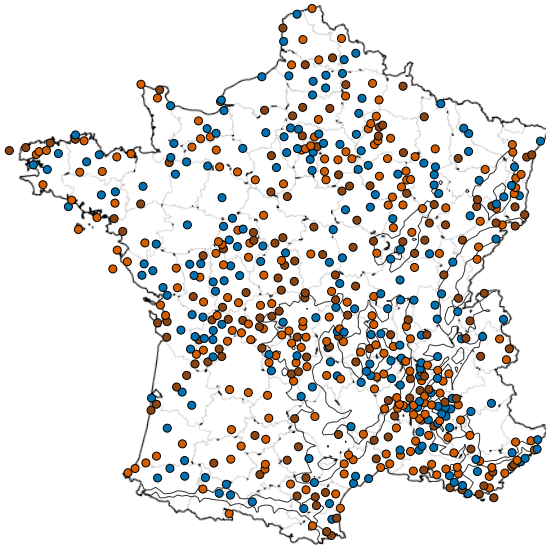
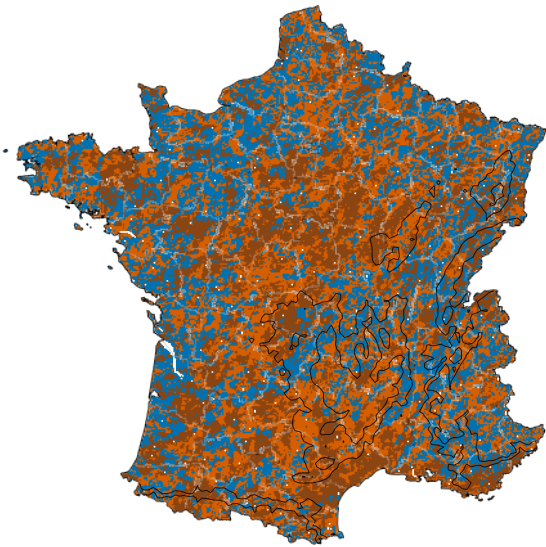
JUI



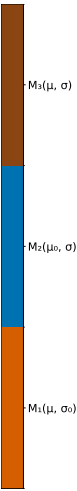
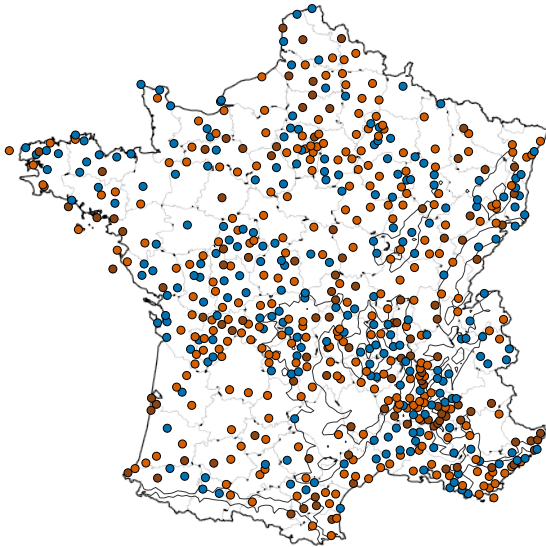
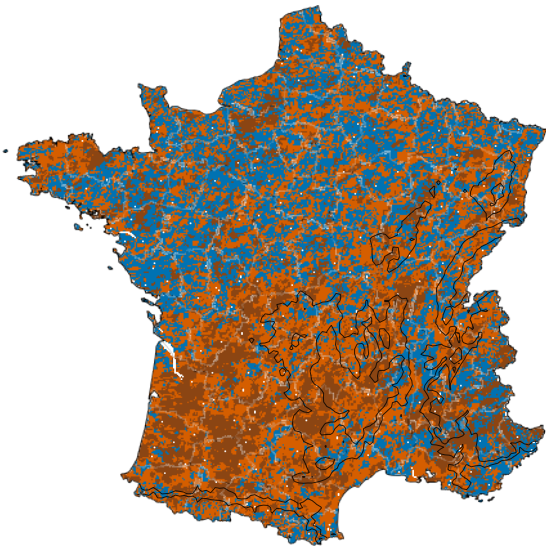
JUILL



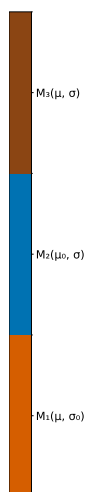
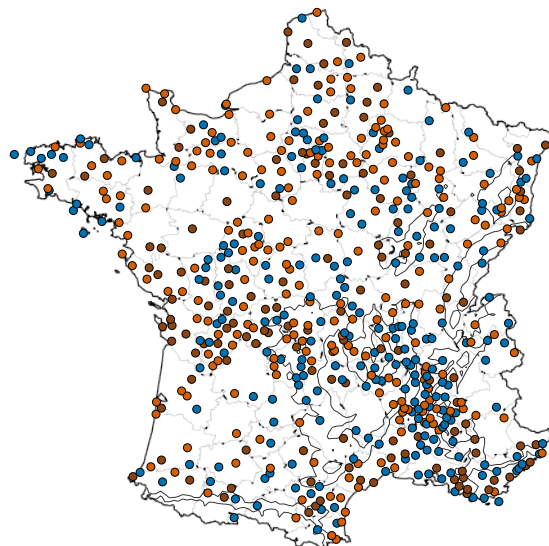
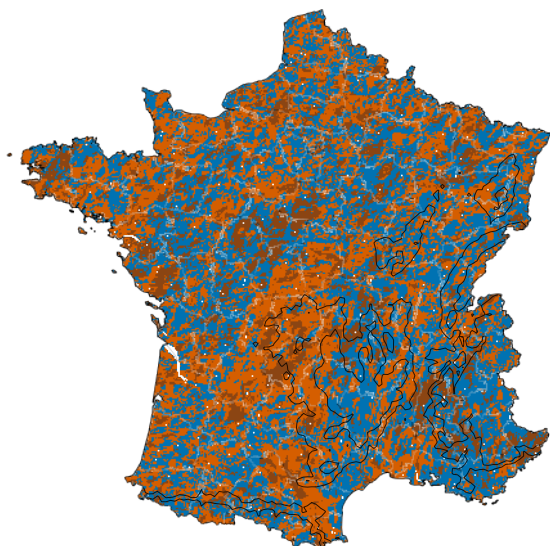
AOU



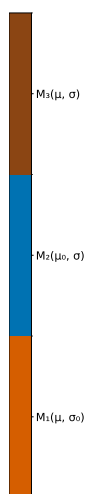
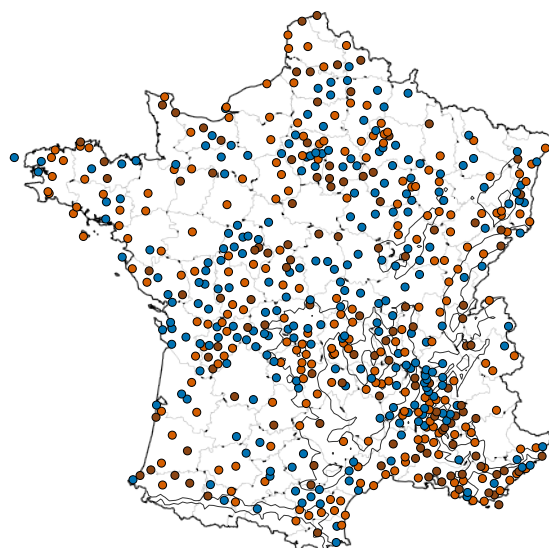
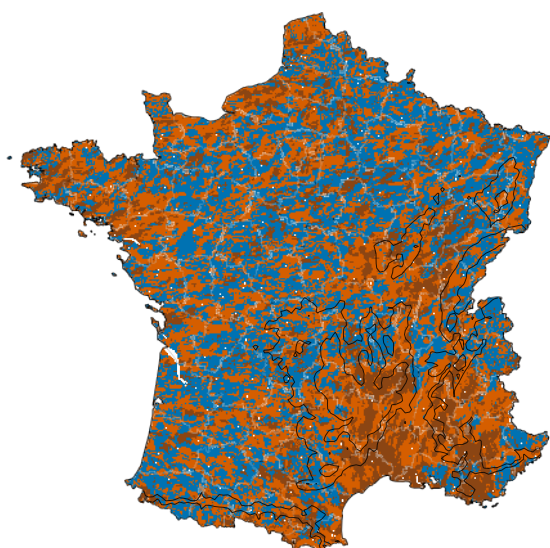
SEP



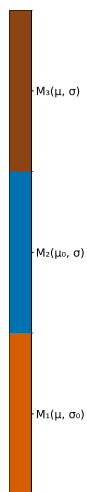
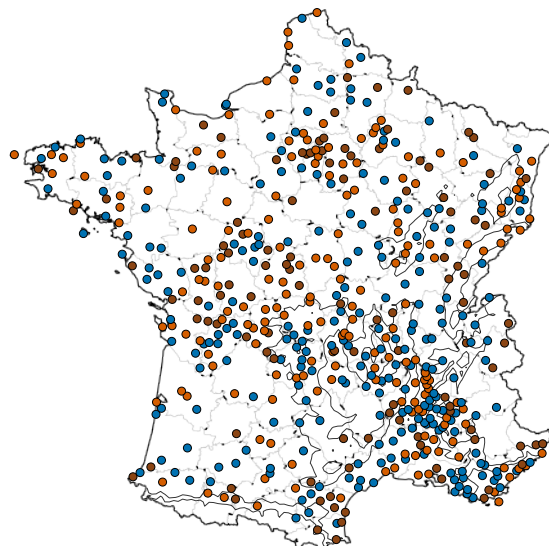
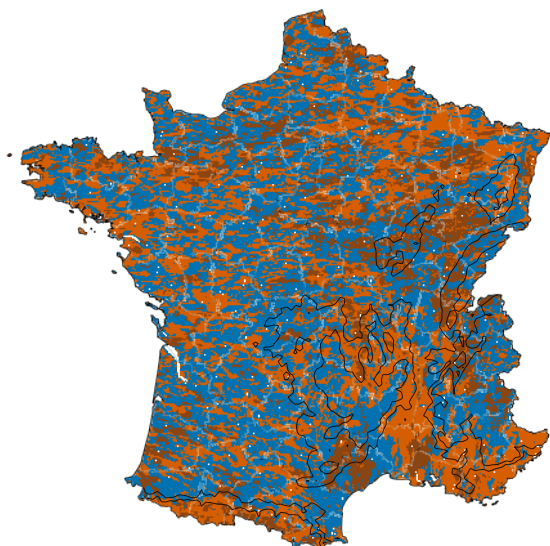
OCT



NOV

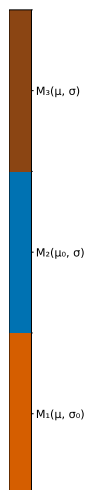
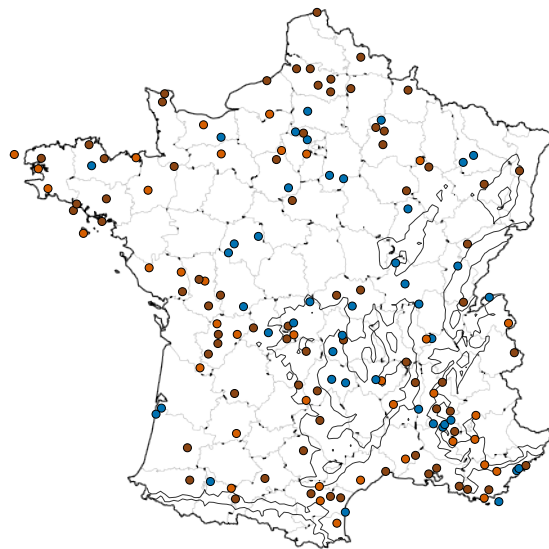
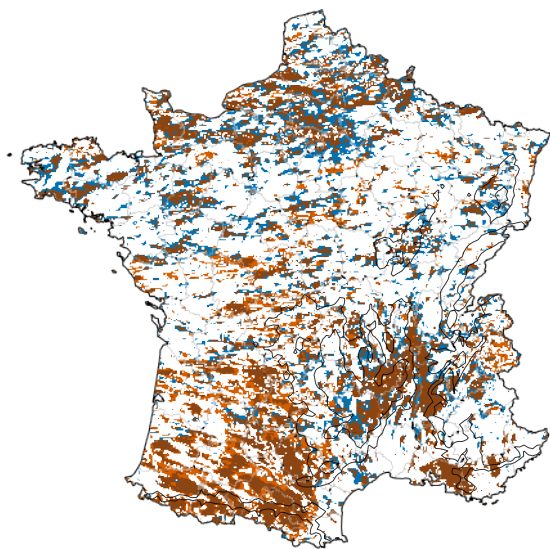


DEC

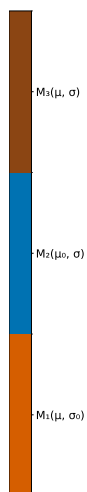
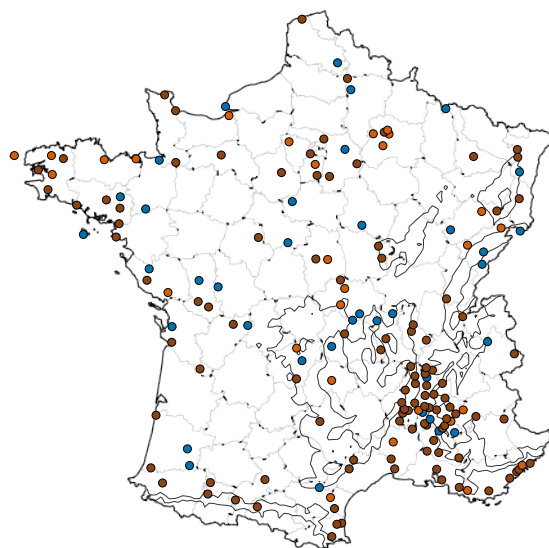
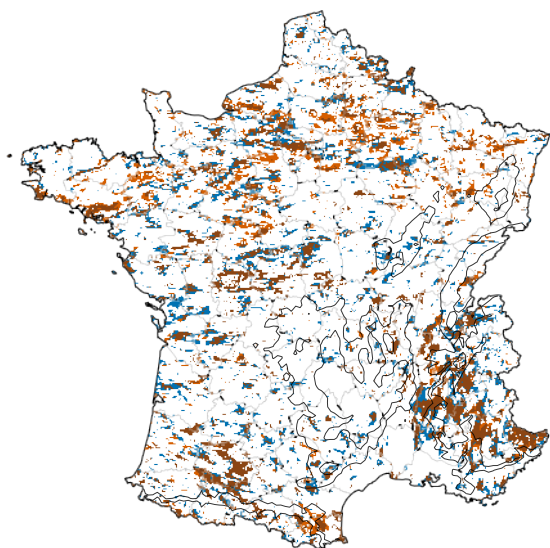


5.3.2.2 Tendances significatives

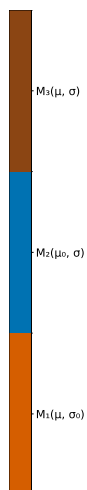
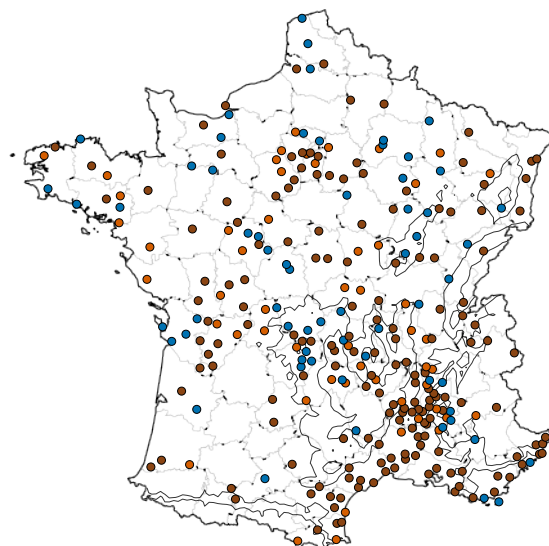
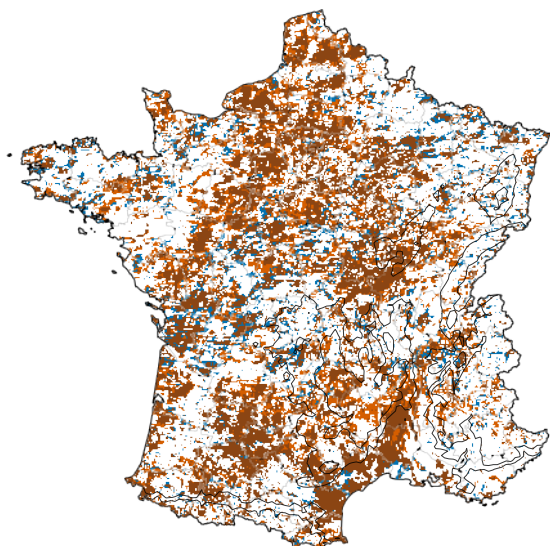
JAN



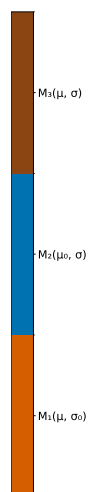
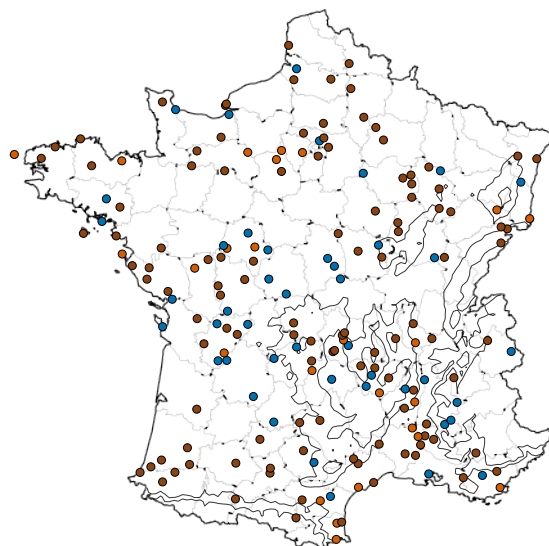
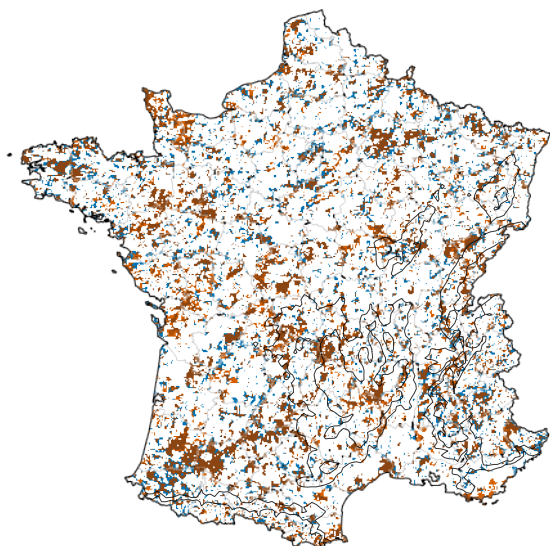
FEV



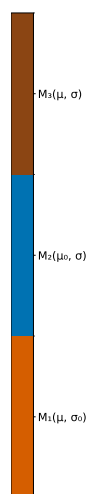
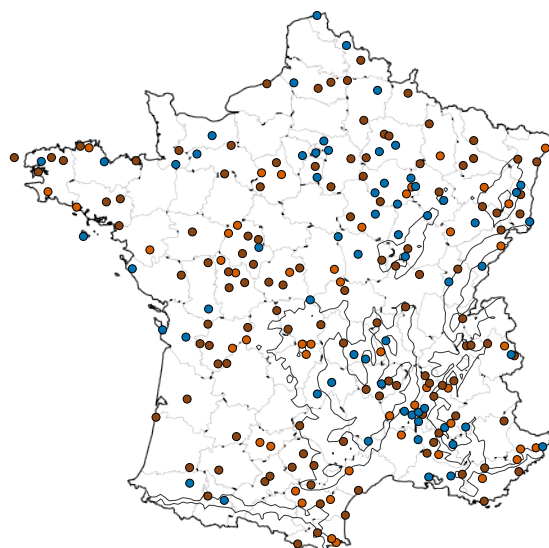
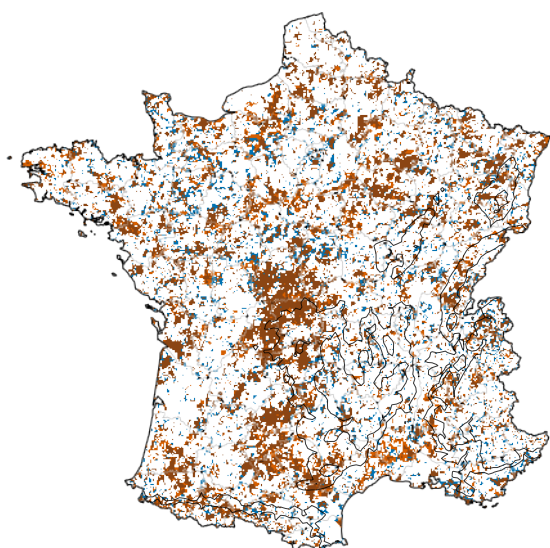
MAR



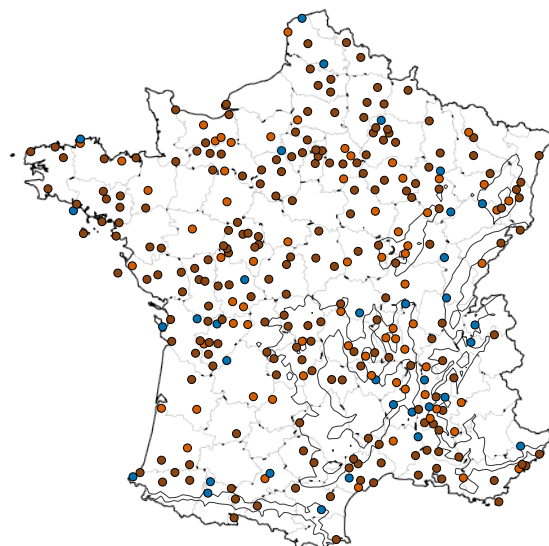
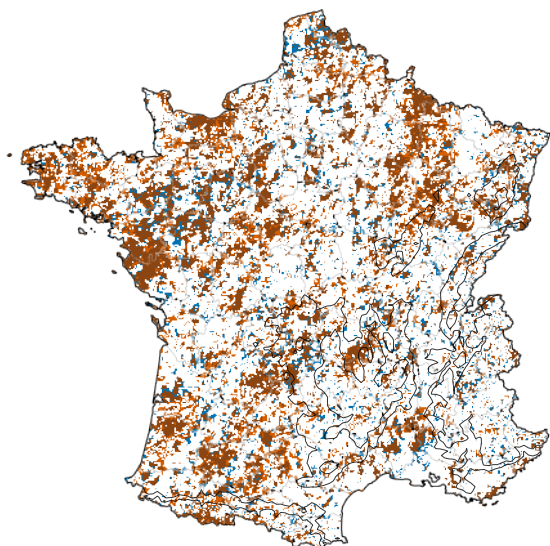
AVR



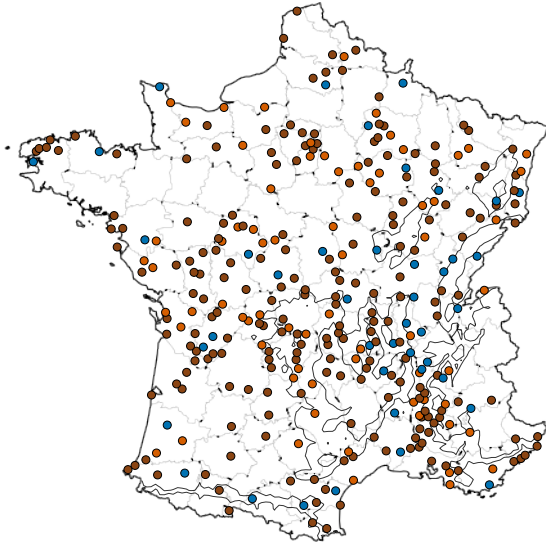
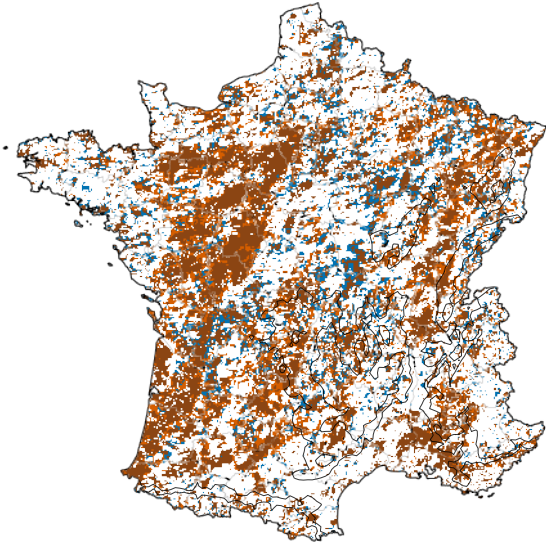
MAI



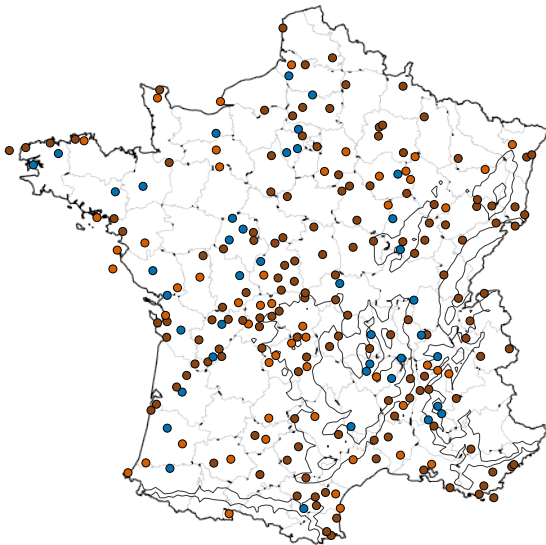
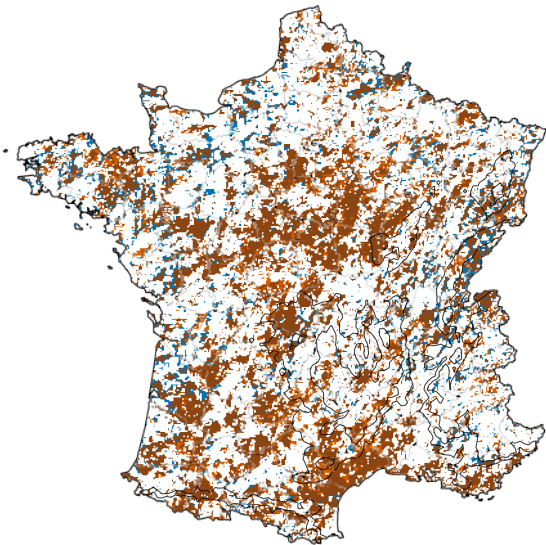
JUI



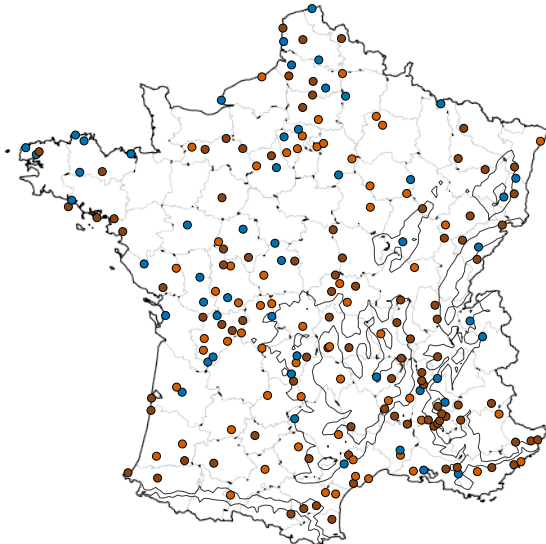
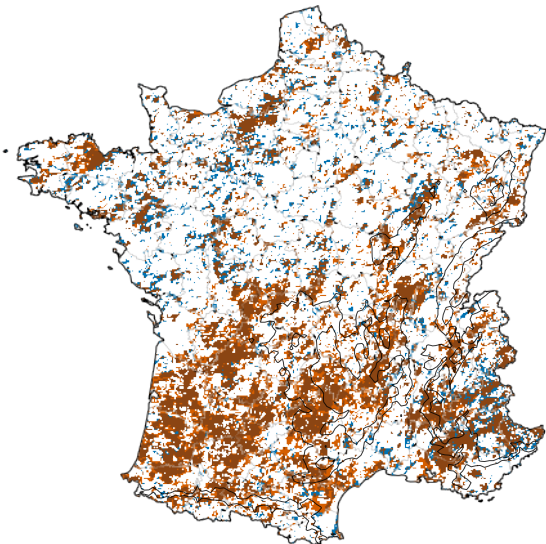
JUILL



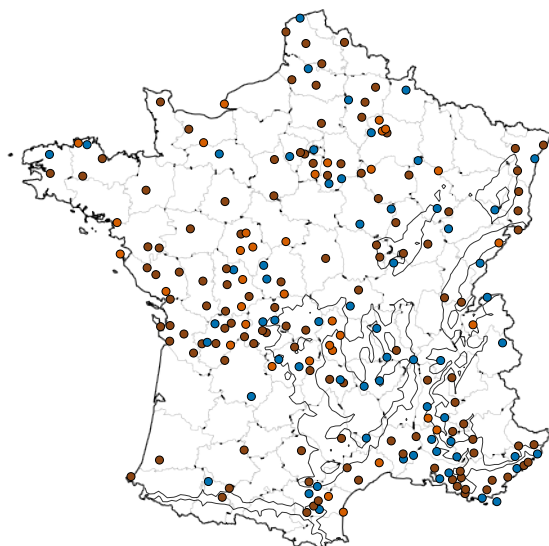
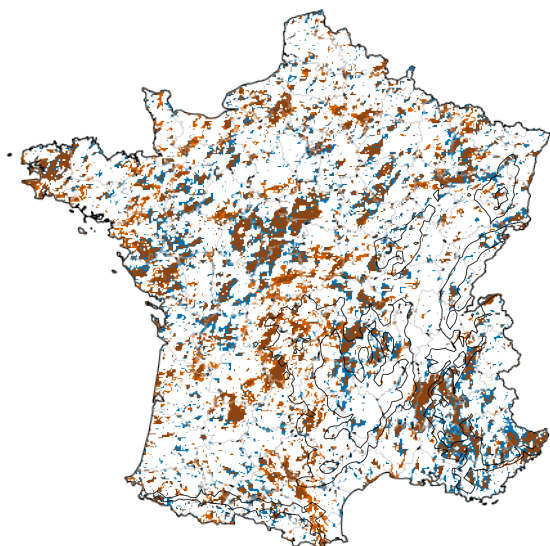
AOU



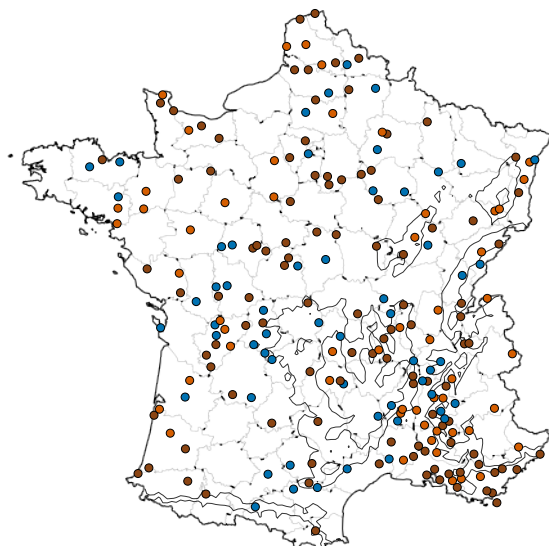
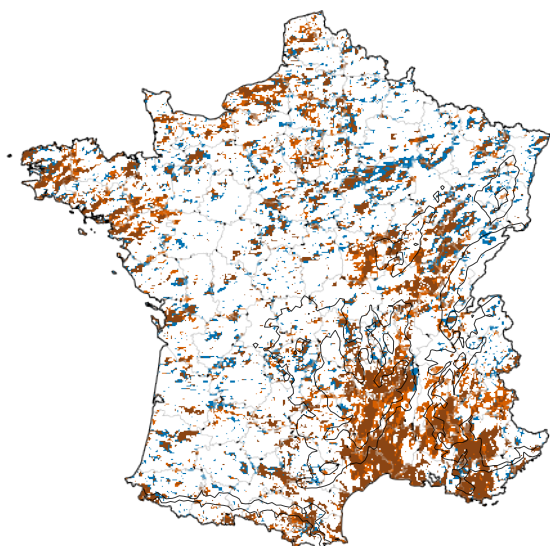
SEP



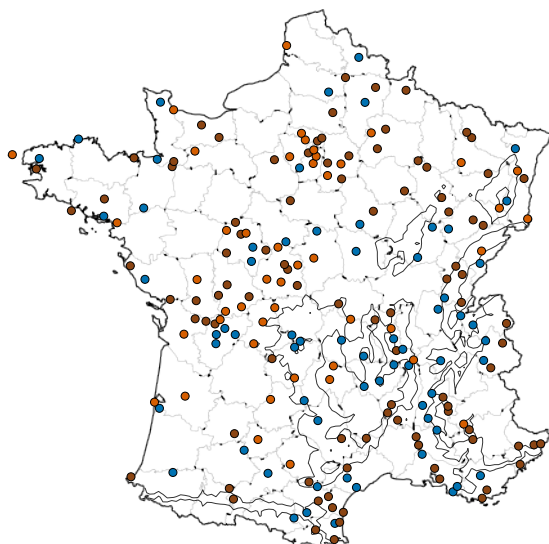
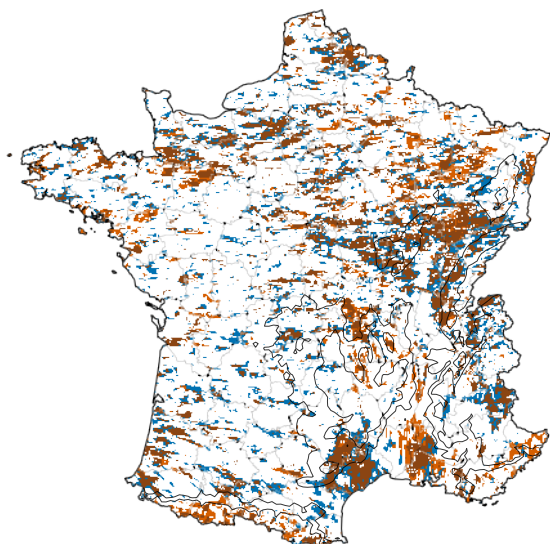
OCT



NOV

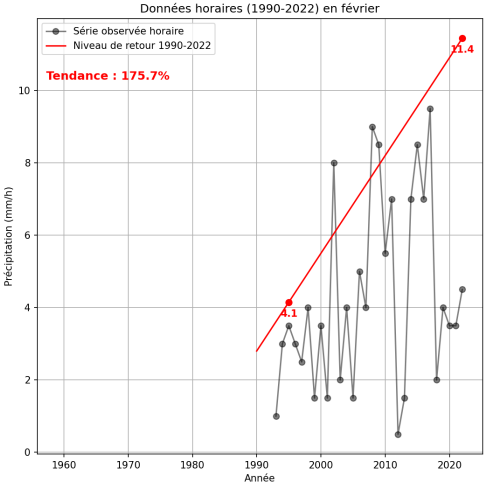
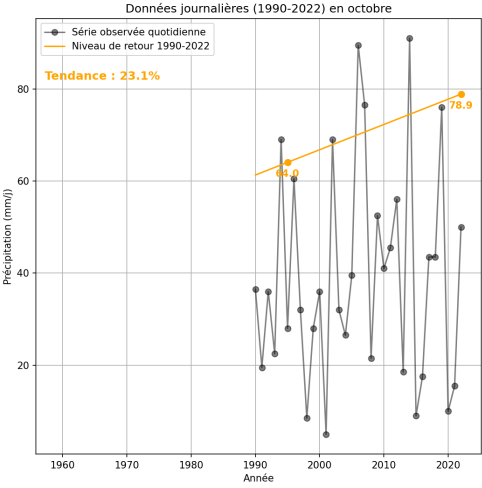
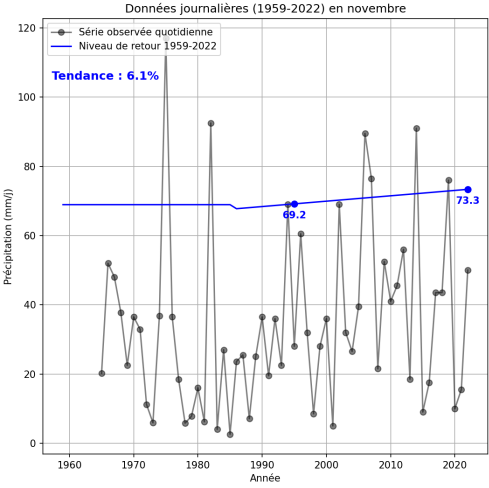


DEC



6 Exemple de séries temporelles des précipitations maximales aux différentes échelles d'une station

Station Météo-France de Saint-Marcel-lès-Valence (44°58'48.6"N 4°55'52.8"E) dans la Vallée du Rhône.



Modèle sélectionné dans l'ordre d'affichage des graphiques : M_1^* , M_1 , M_3 .