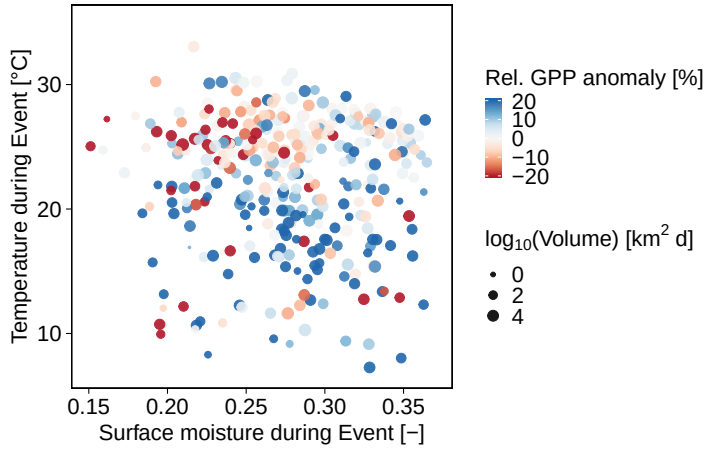
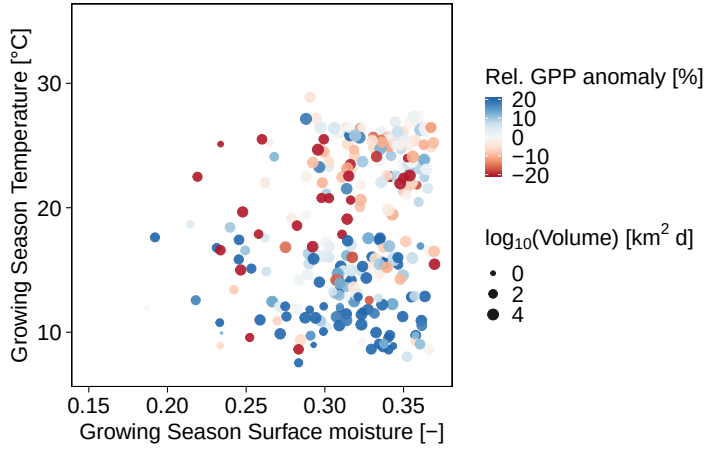
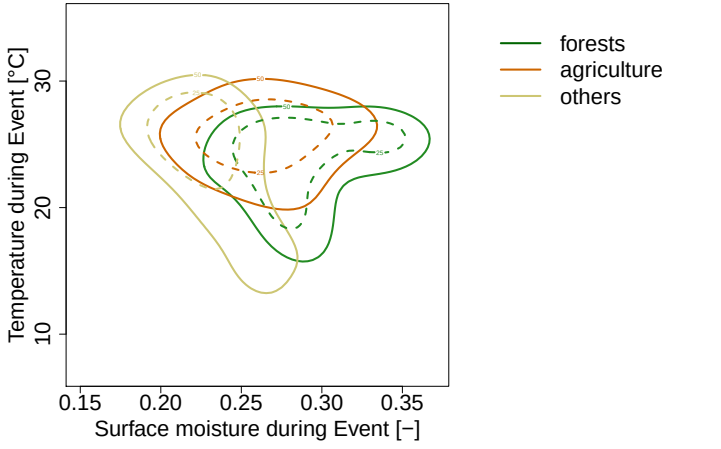
(a)


Temperature during Event [°C]
30
20
10
0.15
0.20
0.25
0.30
0.35
Surface moisture during Event [−]
Rel. GPP anomaly [%]
20
10
0
−10
−20
log10(Volume) [km2 d]
0
2
4

(b)


Growing Season Temperature [°C]
30
20
10
0.15
0.20
0.25
0.30
0.35
Growing Season Surface moisture [−]
Rel. GPP anomaly [%]
20
10
0
−10
−20
log10(Volume) [km2 d]
0
2
4

(c)


Temperature during Event [°C]
30
20
10
0.15
0.20
0.25
0.30
0.35
Surface moisture during Event [−]
forests
agriculture
others