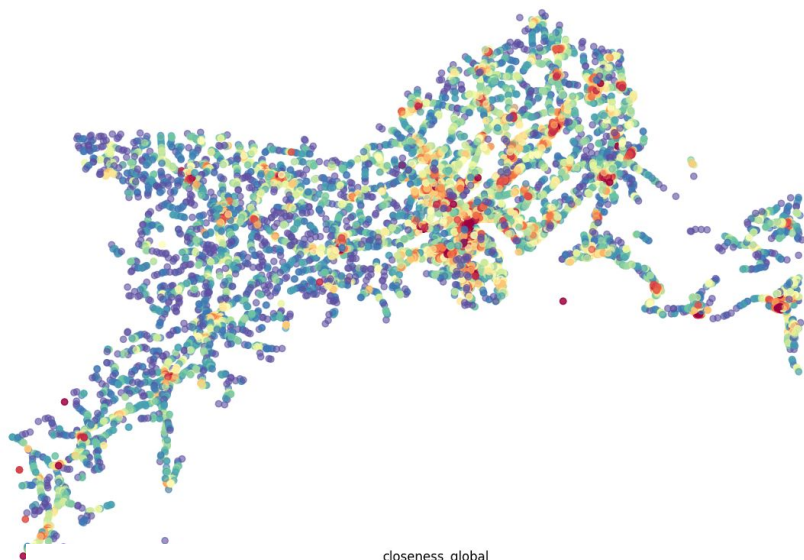


Analysis of Road Network in Luzern

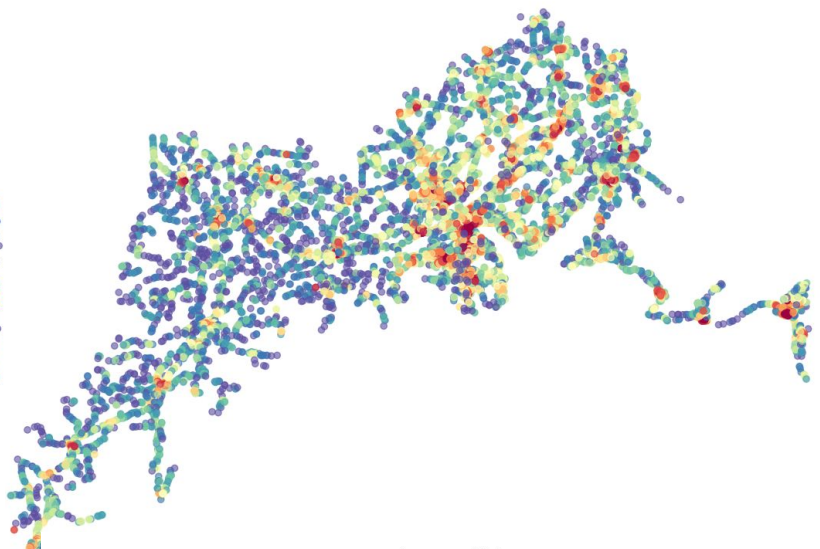
Noémie Wellinger – Marcela Vollmer

Cutting unconnected streets?

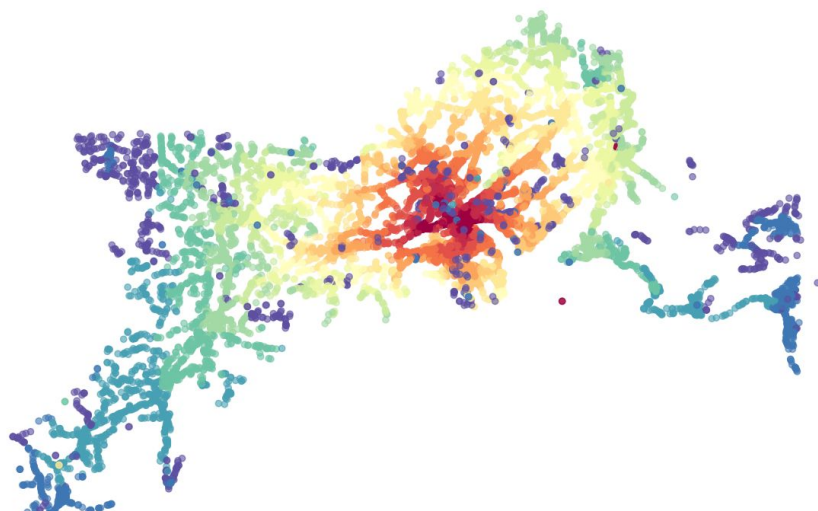
closeness400



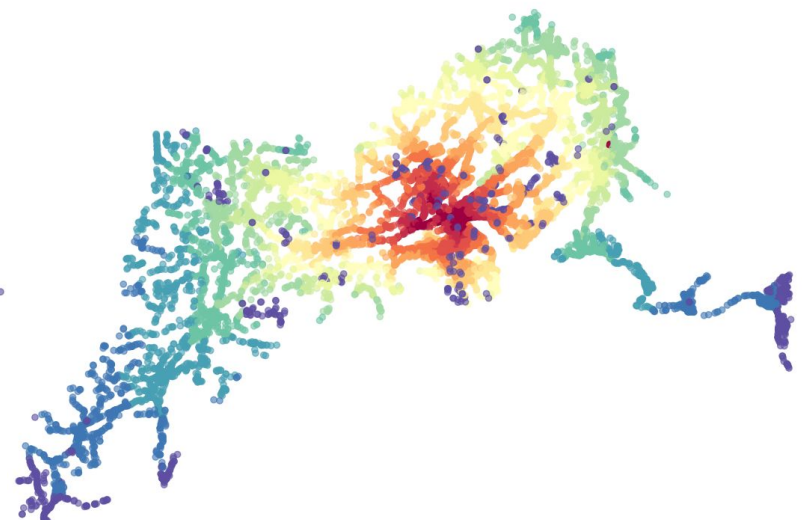
closeness400



closeness_global



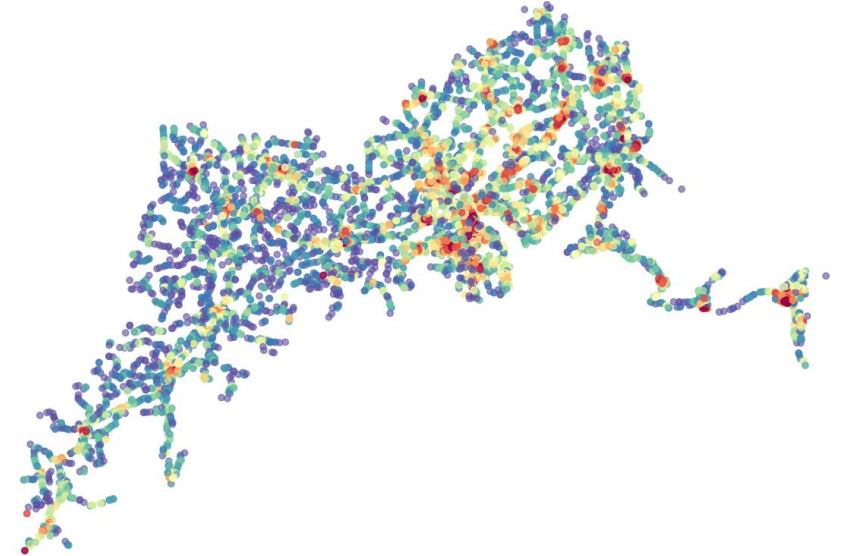
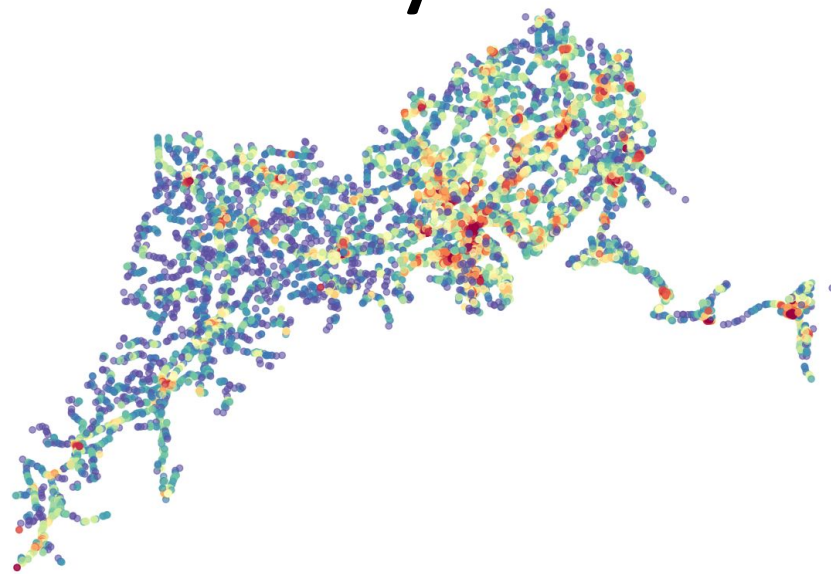
closeness_global



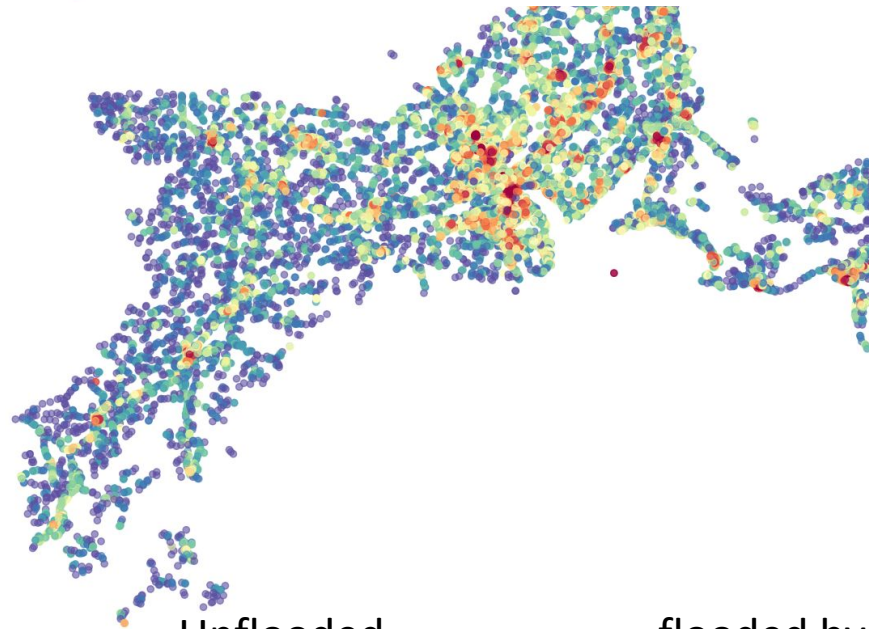
Local Closeness Centrality

node based

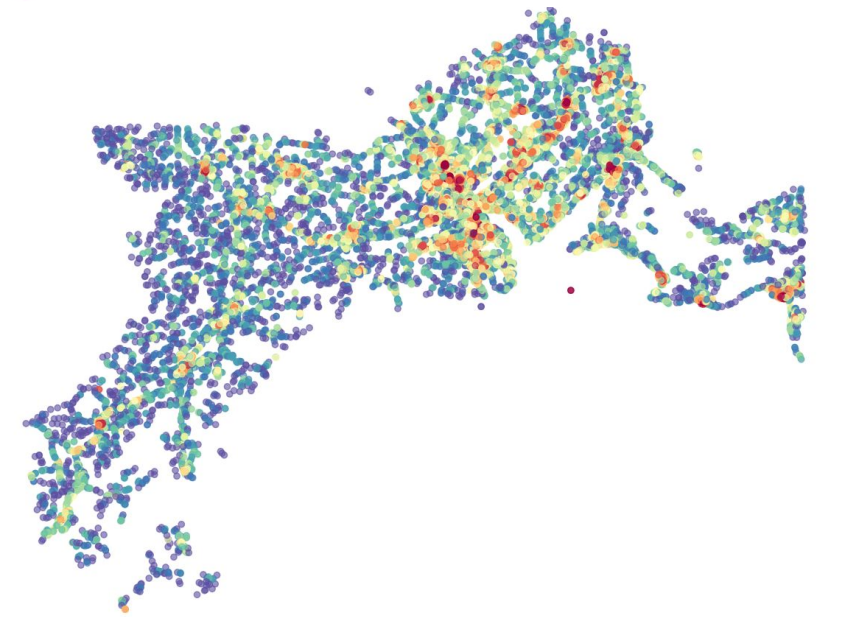
Road network 1959



Road network nowadays



Unflooded

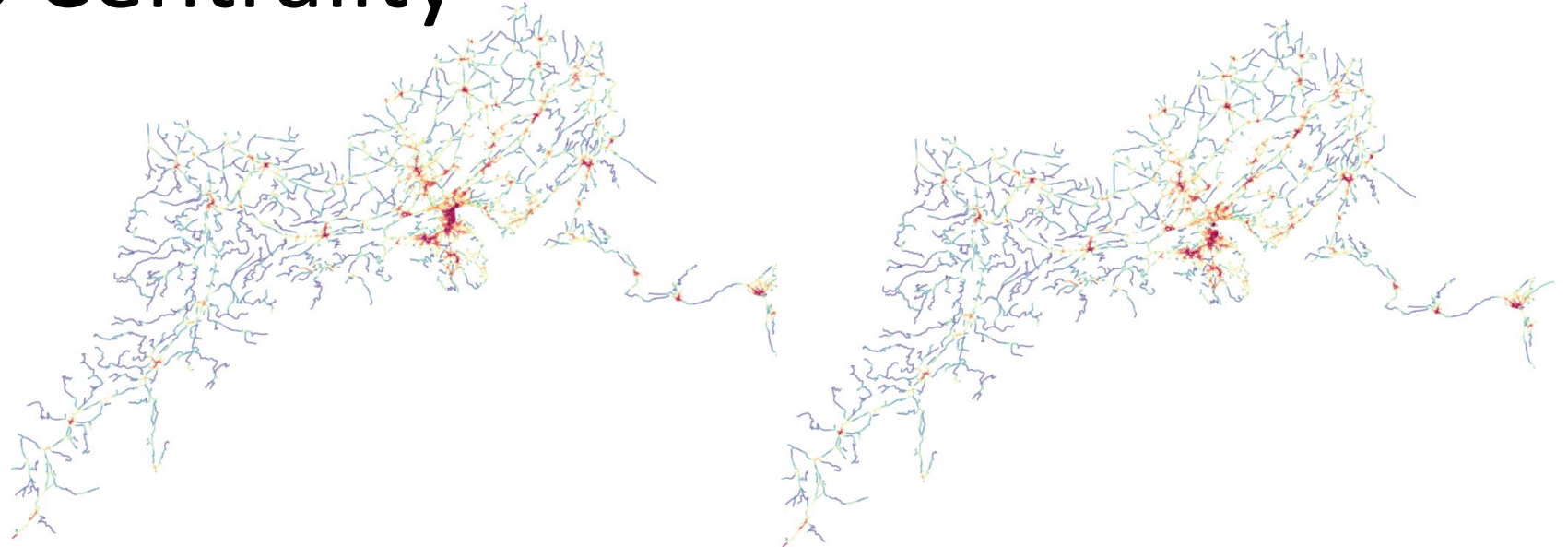


flooded by 100y event, more than 0.3m

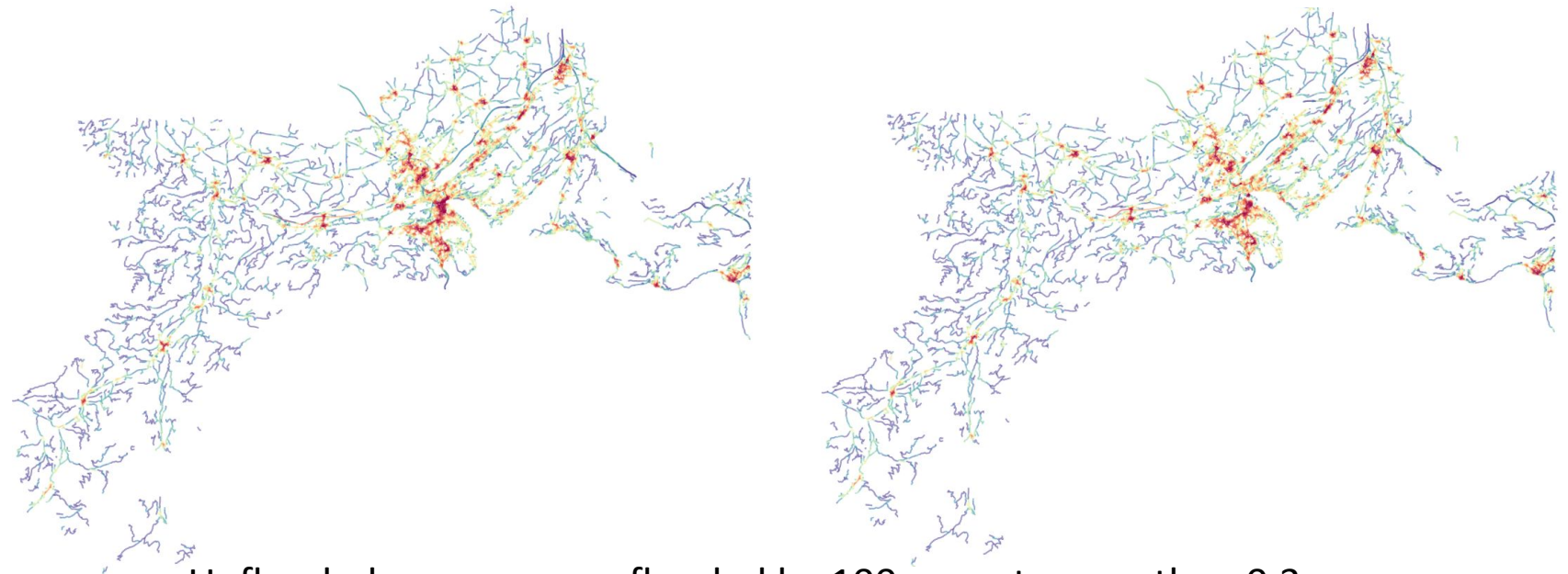
Local Closeness Centrality

node based mean

Road network 1959



Road network nowadays



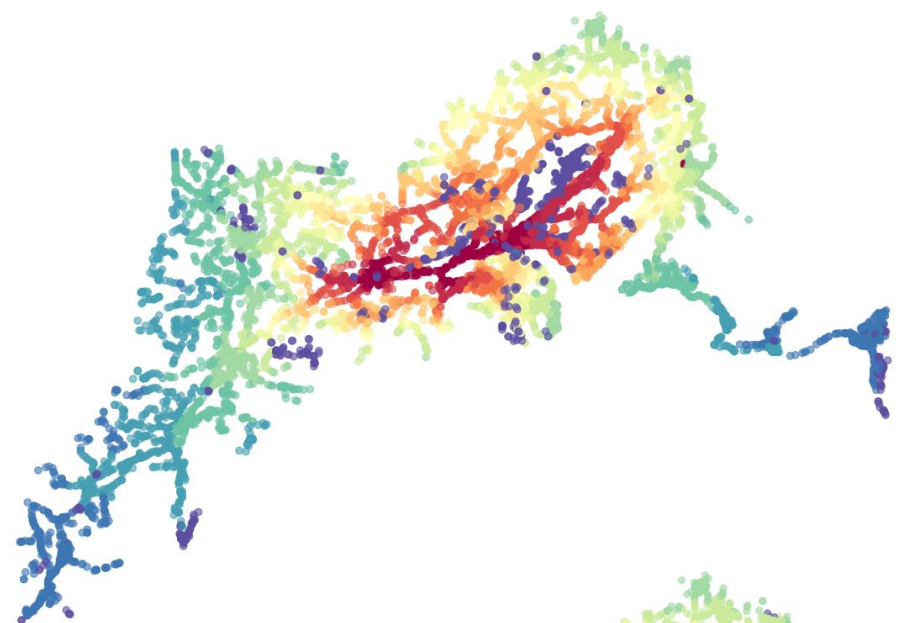
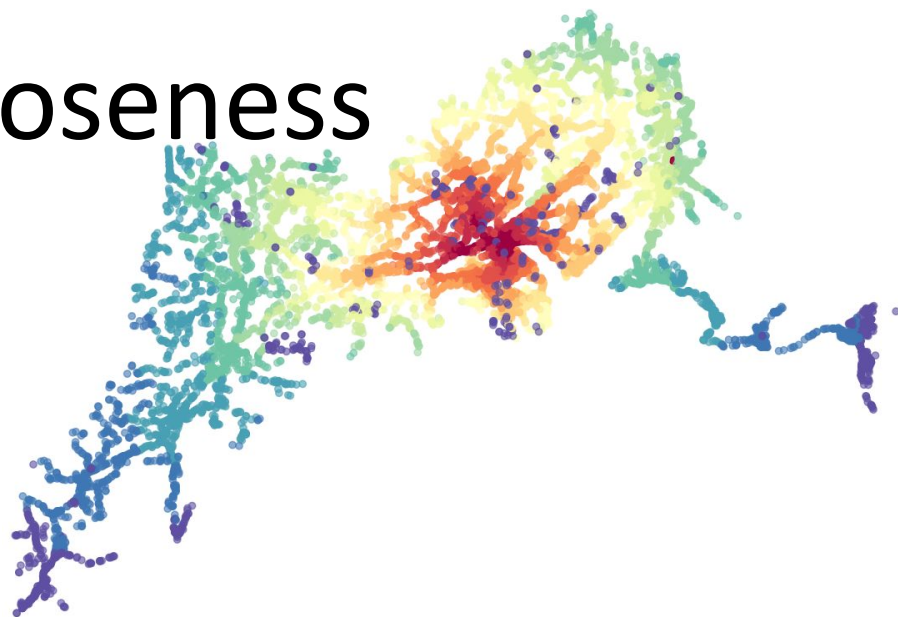
Unflooded

flooded by 100y event, more than 0.3m

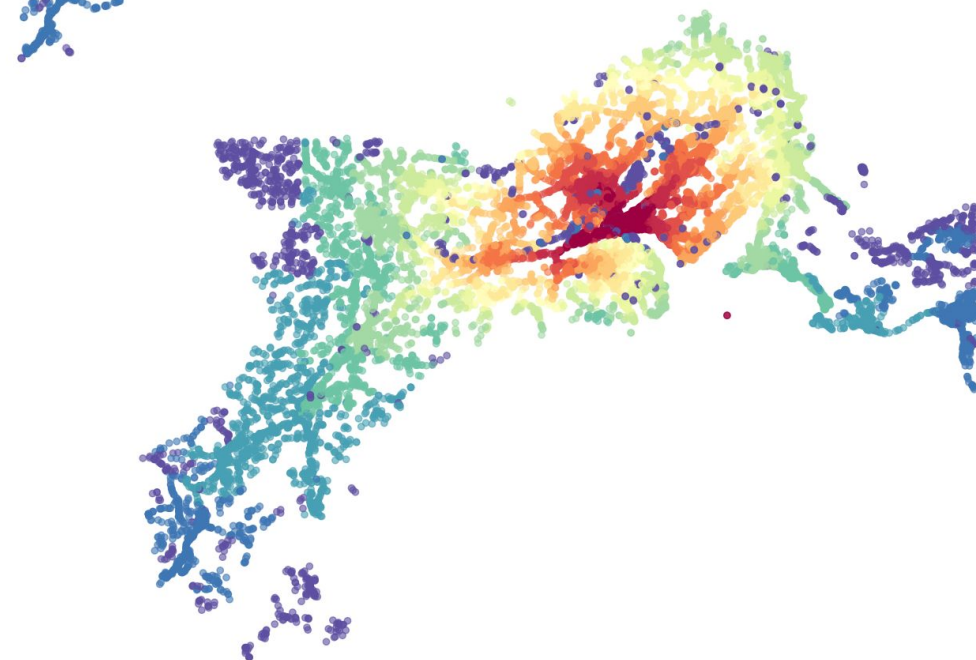
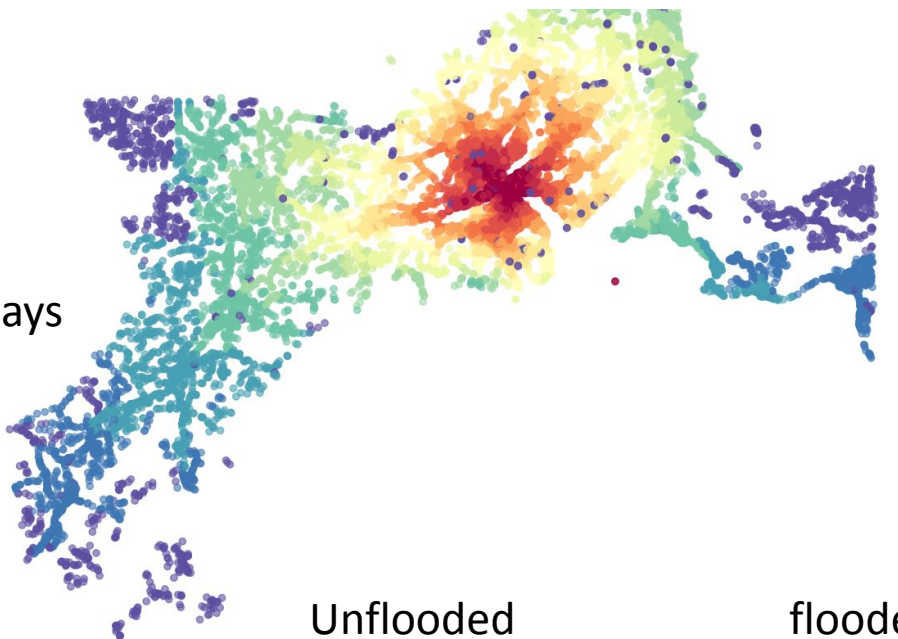
Global closeness

node based

Road network 1959



Road network nowadays



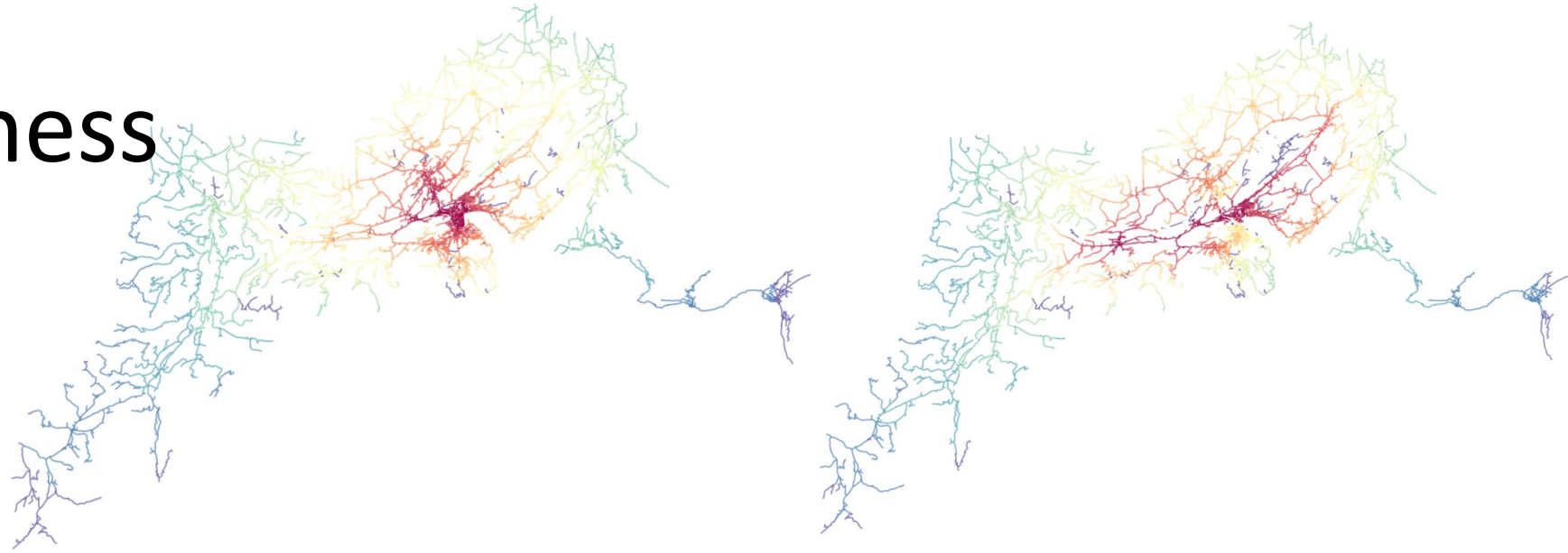
Unflooded

flooded by 100y event, more than 0.3m

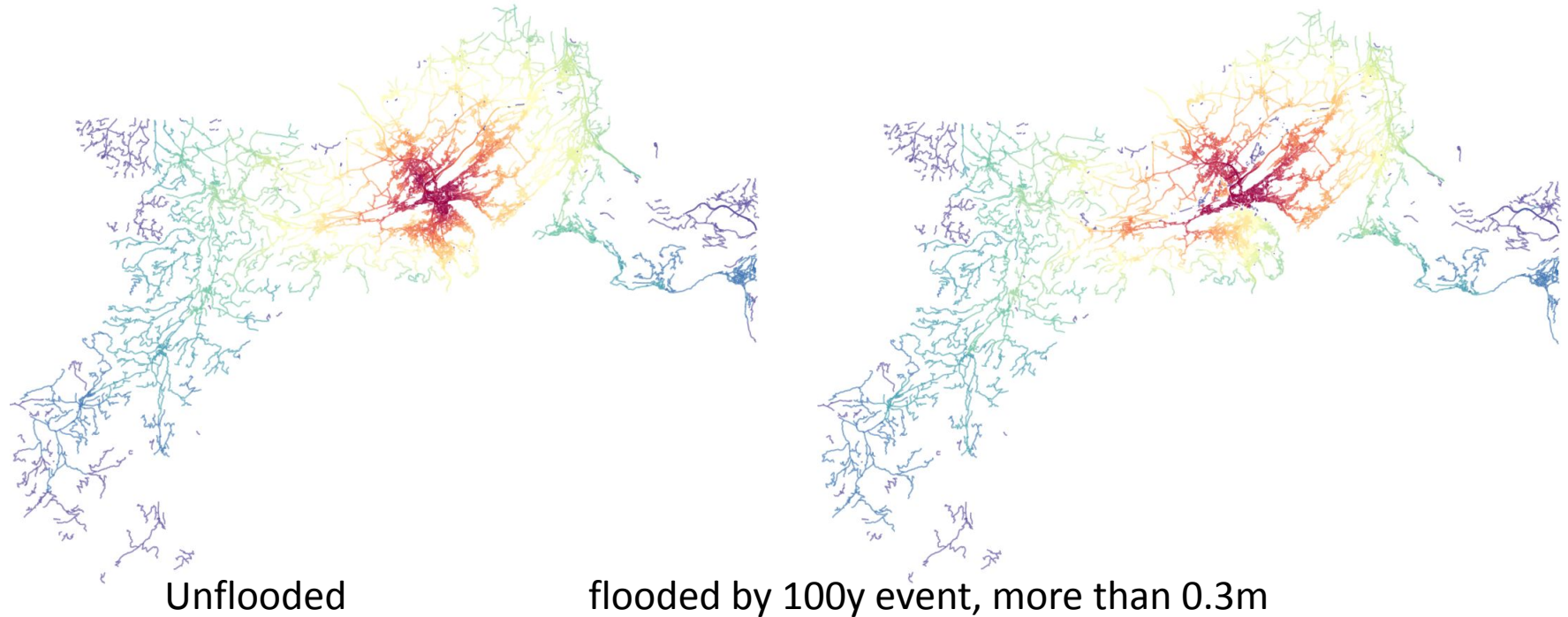
Global closeness

node based mean

Road network 1959



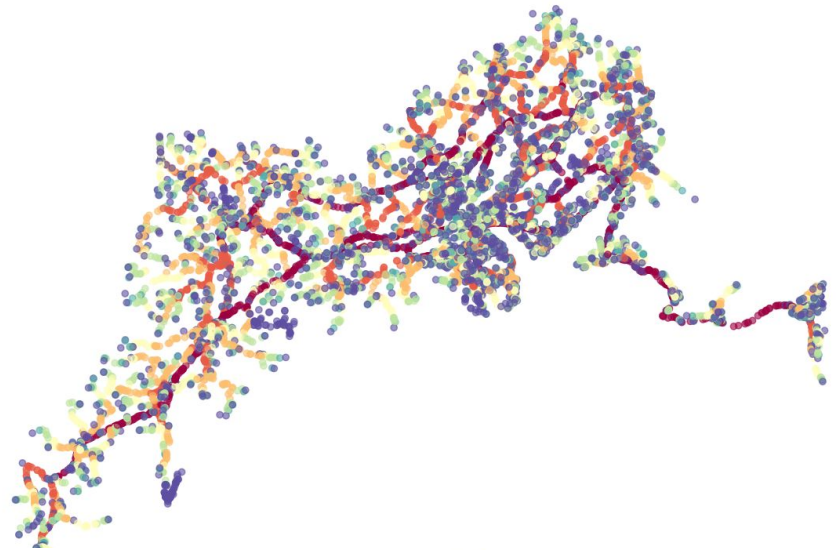
Road network nowadays



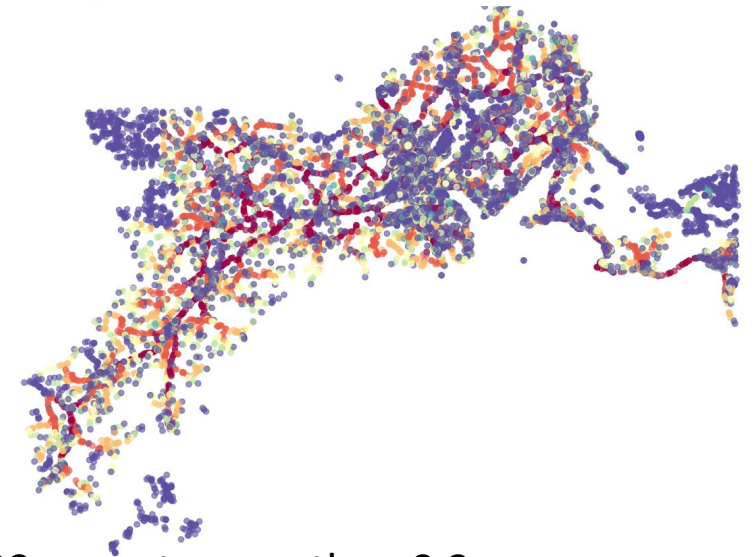
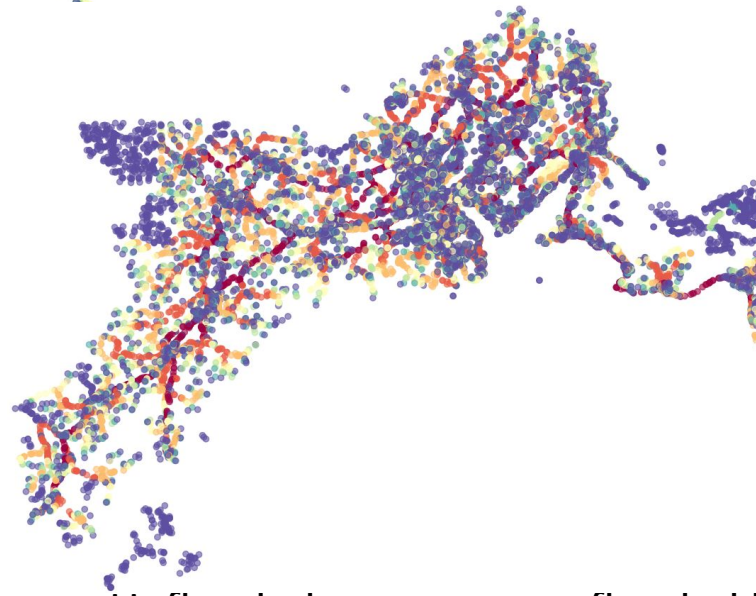
Betweenness Centrality

edge based

Road network 1959



Road network nowadays

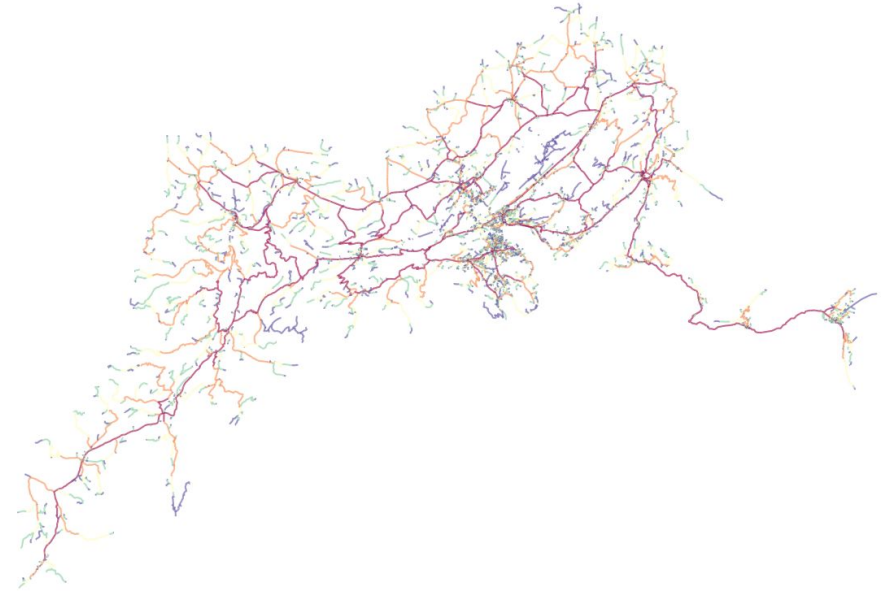
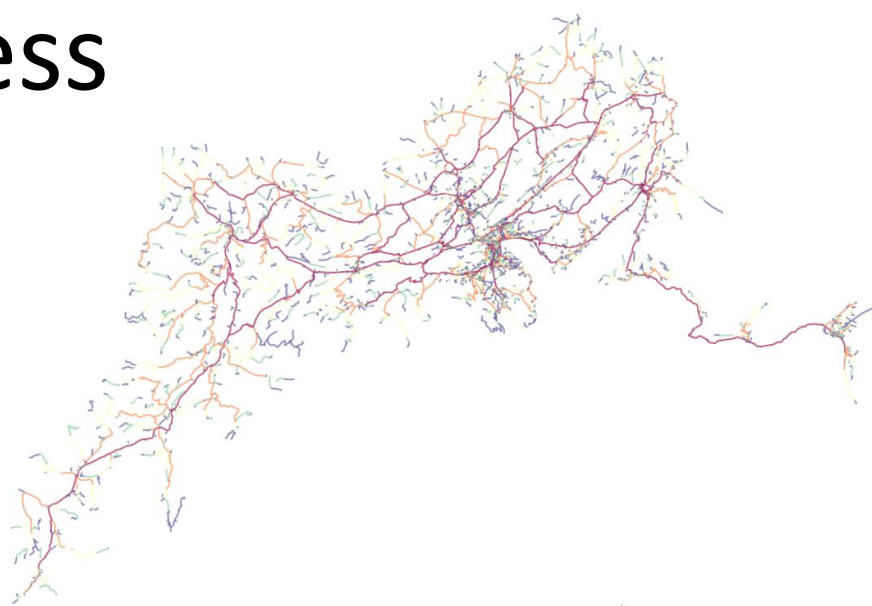


Unflooded

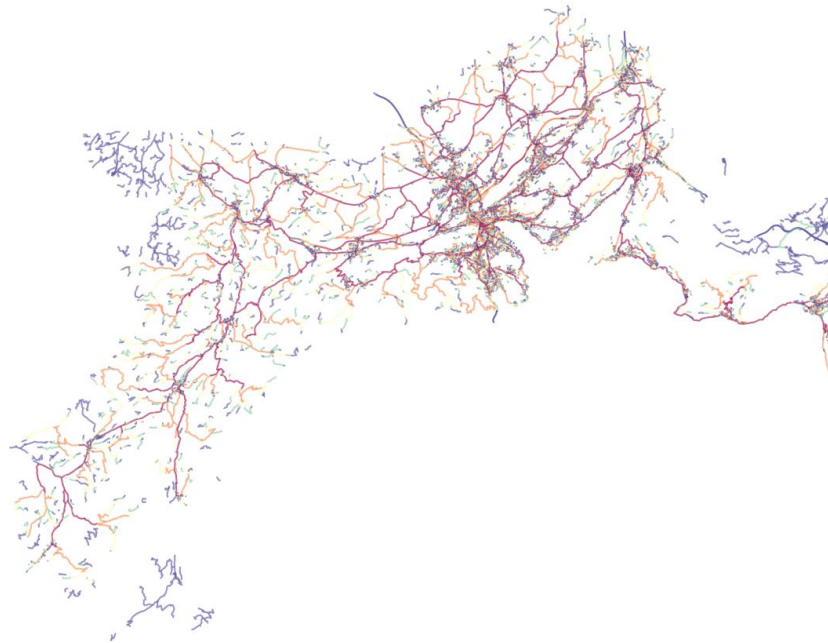
flooded by 100y event, more than 0.3m

Betweenness Centrality edge based

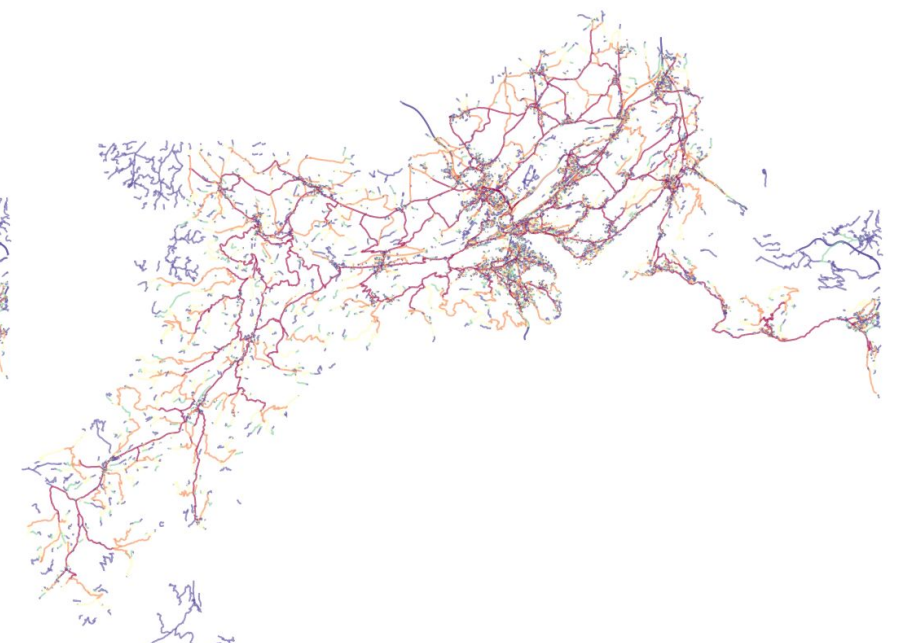
Road network 1959



Road network nowadays



Unflooded

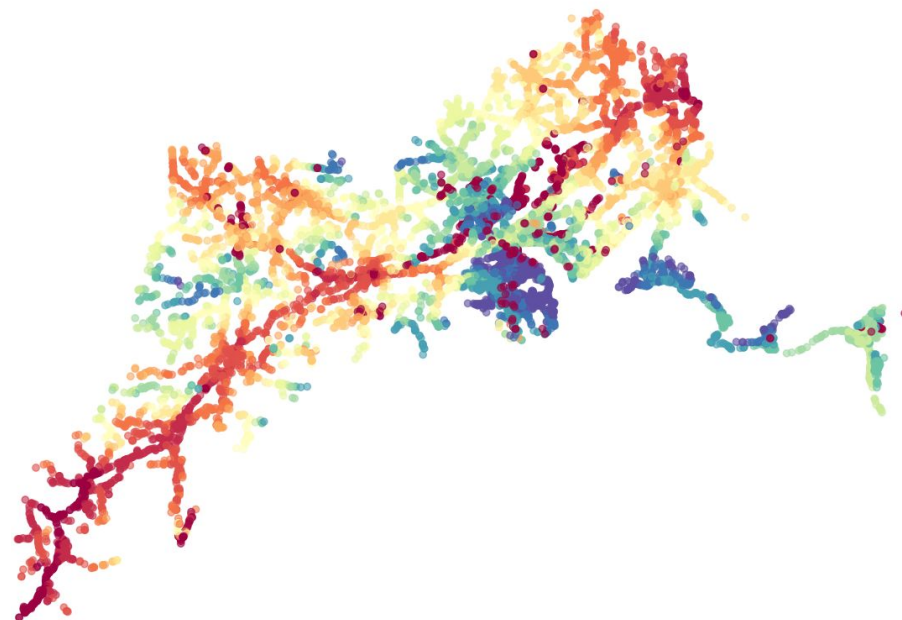
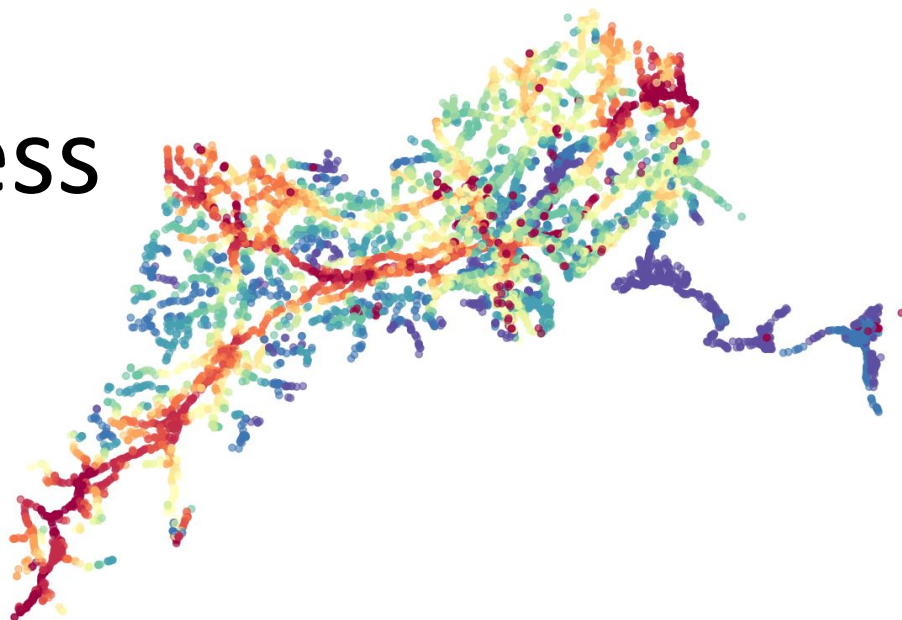


flooded by 100y event, more than 0.3m

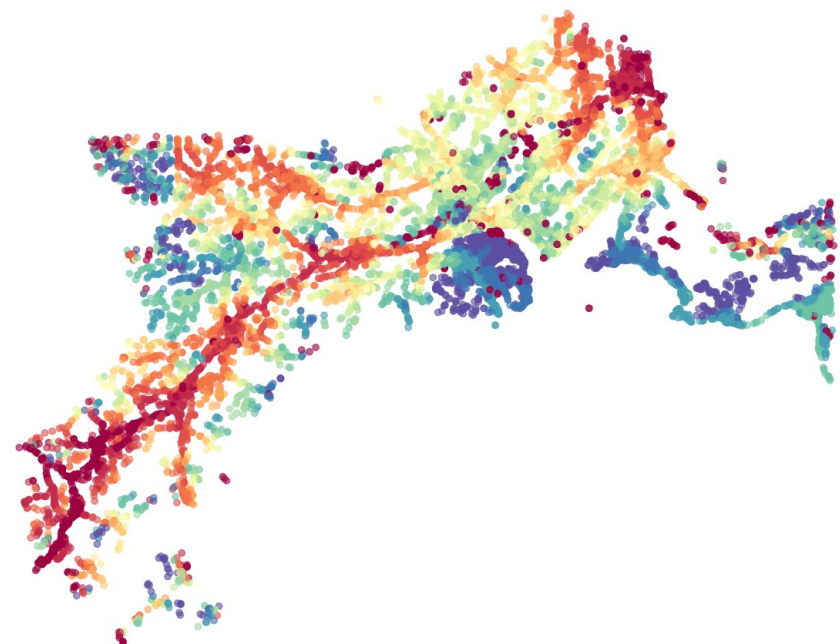
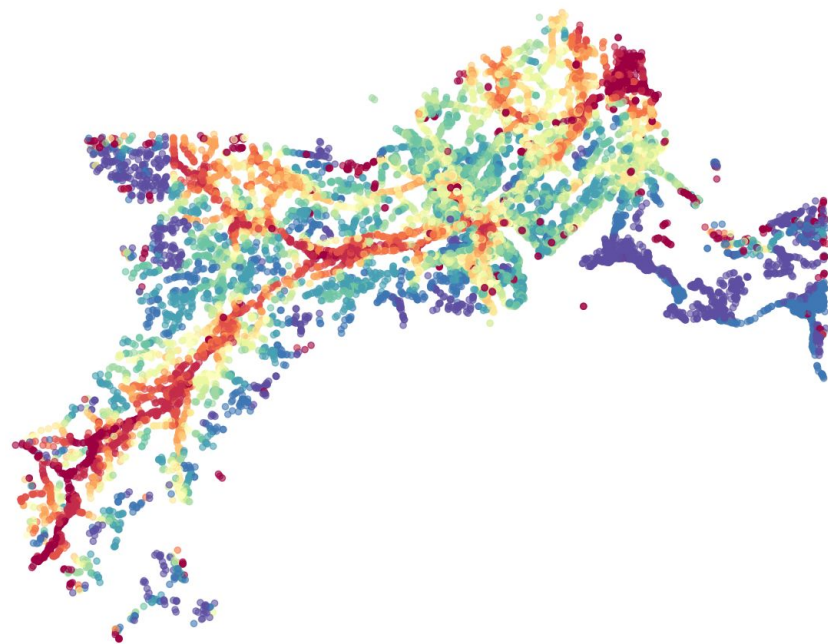
Straightness

node based

Road network 1959



Road network nowadays



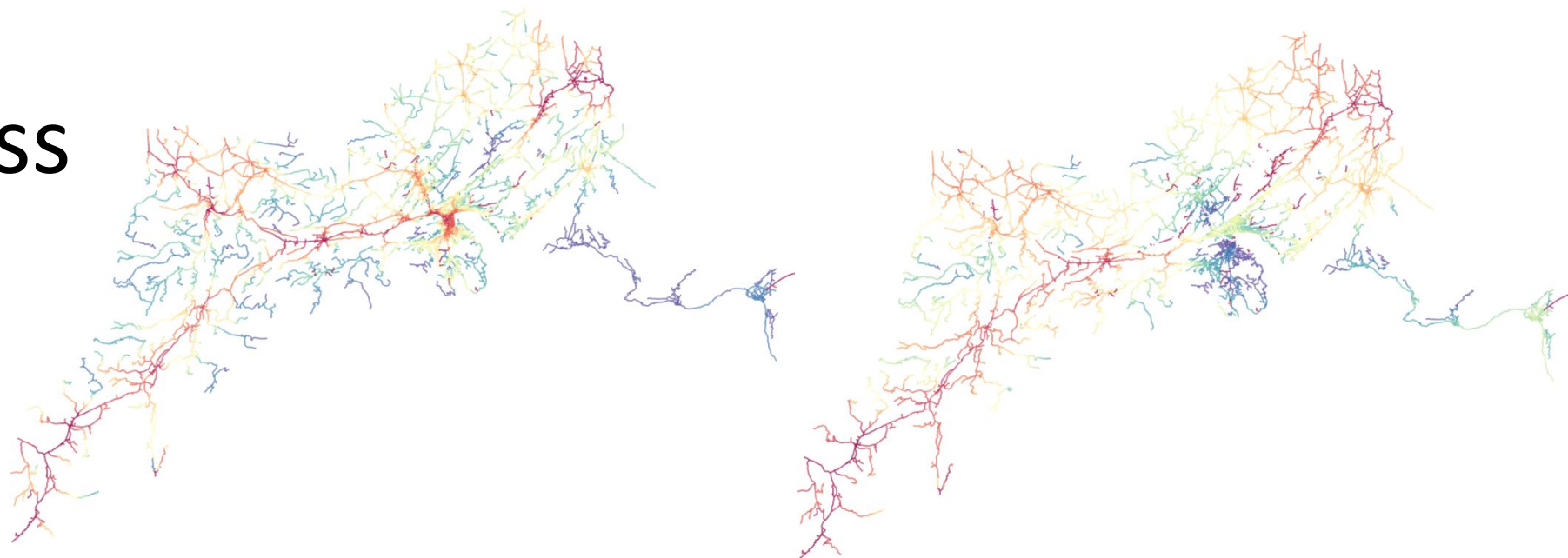
Unflooded

flooded by 100y event, more than 0.3m

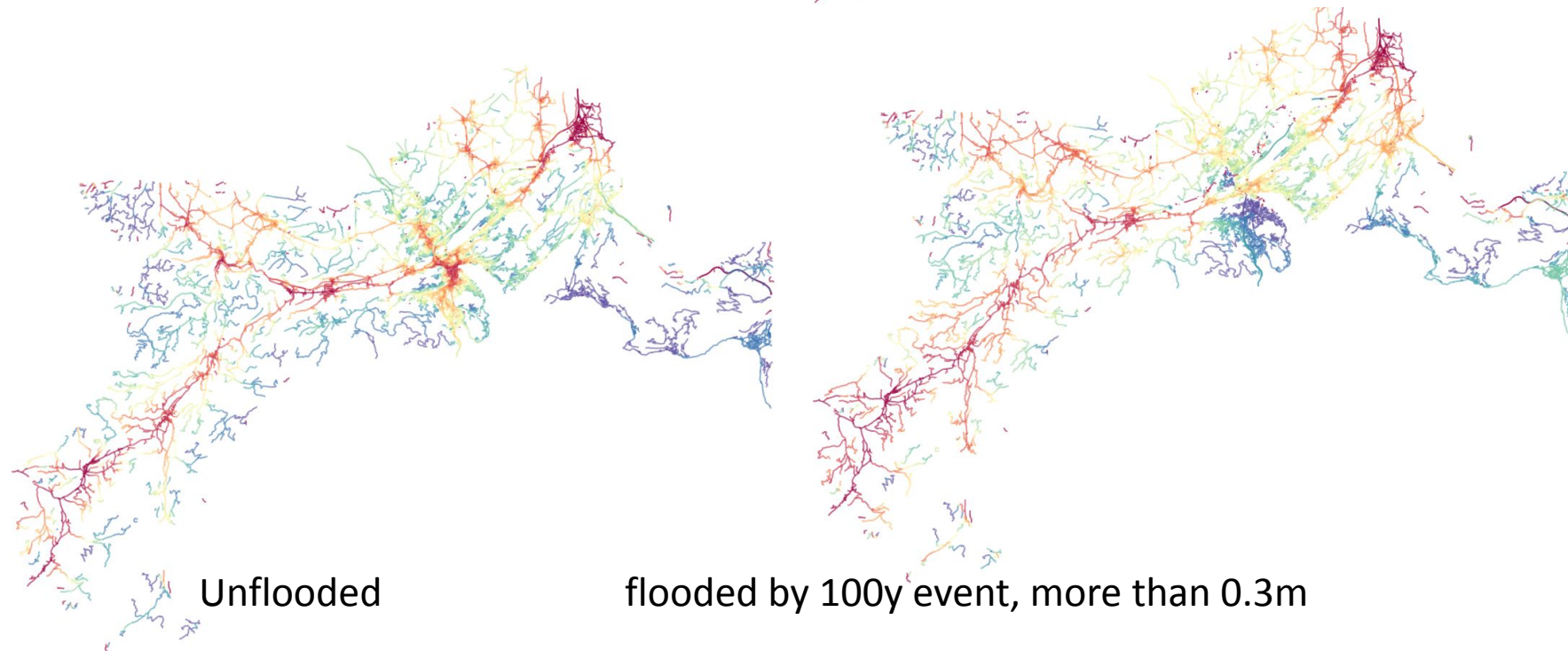
Straightness

node based mean

Road network 1959



Road network nowadays



Unflooded

flooded by 100y event, more than 0.3m