

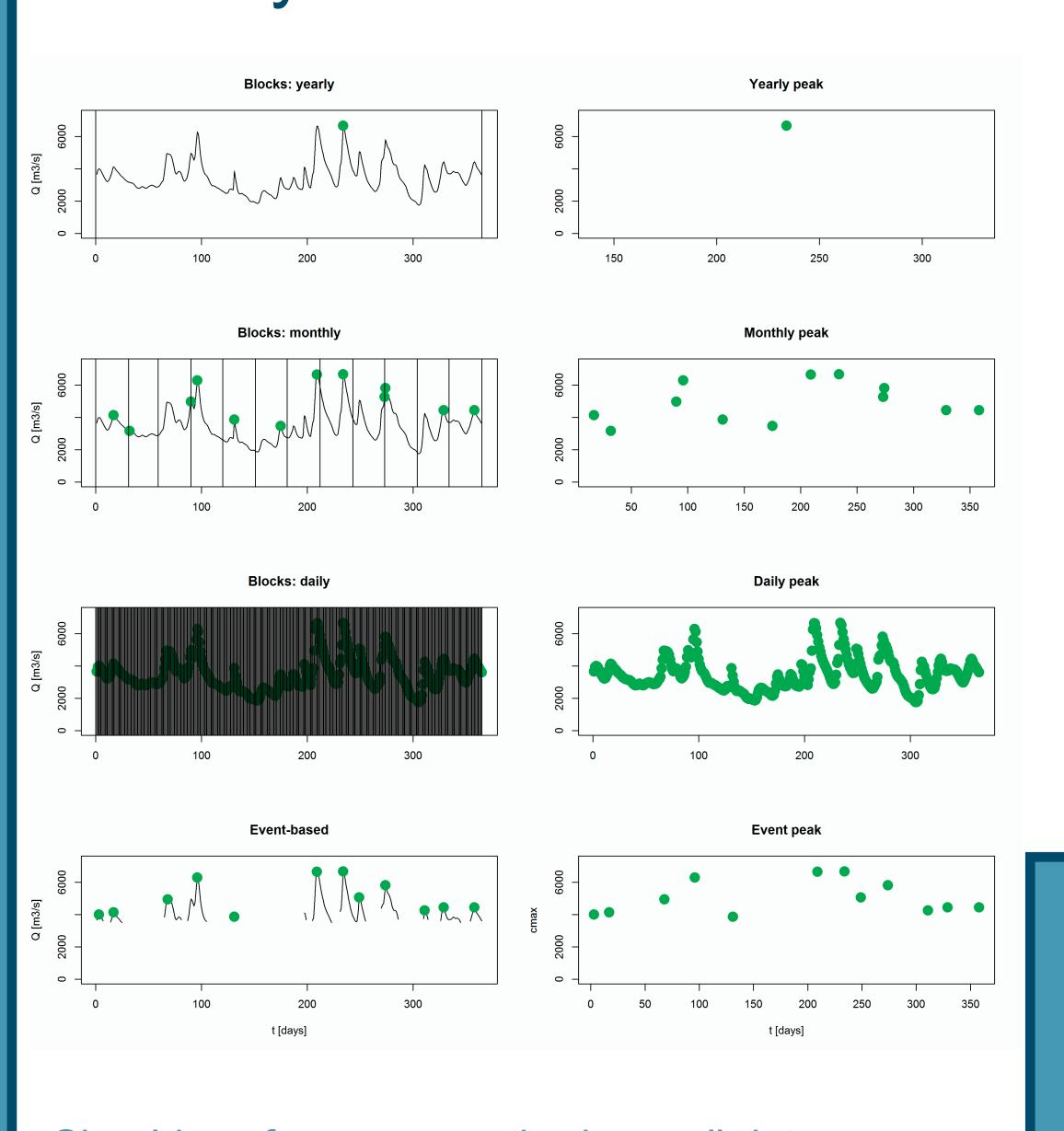


Dynamic Spatiotemporal Weather Generator Three reasons why we should move from multi-site towards dynamic analysis



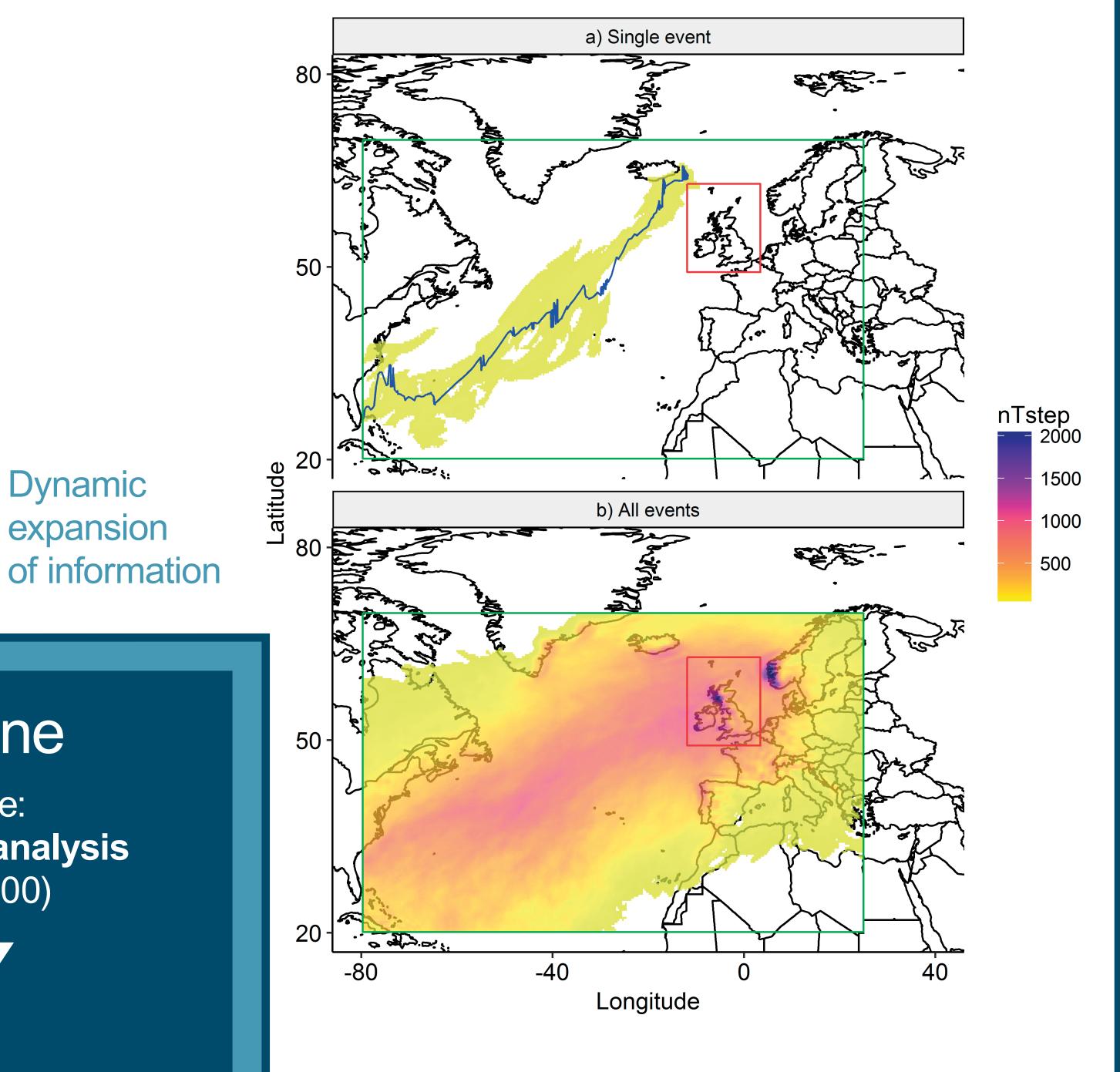
Dirk Diederen and Ye Liu

1a. Why event-based?



Should we focus our methods on all data – or on the data of interest?

2. Inference – should we look at the floor or look around us?



Timeline

Dynamic

expansion

A gauge: Time series analysis (1980-2000)

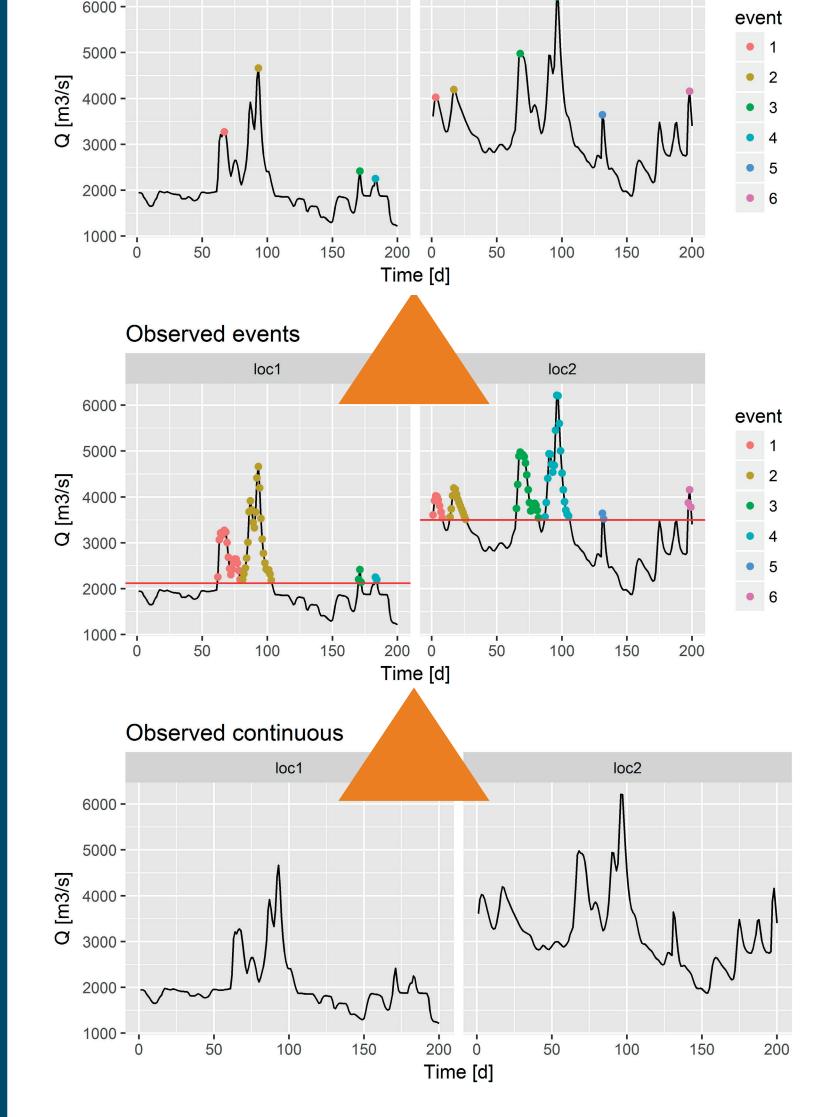


A few gauges: Multi-site analysis (2001-2019)



Gridded data: **Dynamic spatio-temporal** analysis (2019-?)

1b. Is multi-site analysis compatible with event-based analysis?



Observed features

	Loc 1	Loc 2
E1	P	P
E1	P	P
E 3	P	P
E4	P	P
E5	?	P
E6	?	P

What to do with the gaps?

3. What about spatial coherence of event-based extremes?

