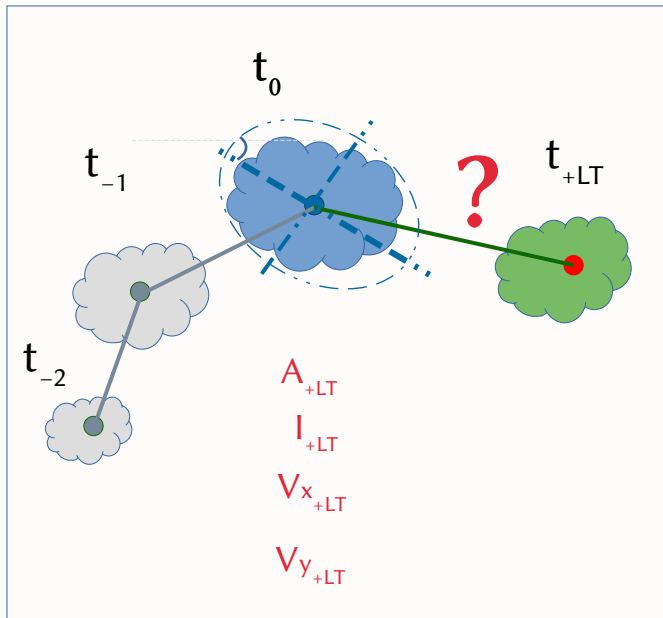


“to-be-nowcasted” Storm



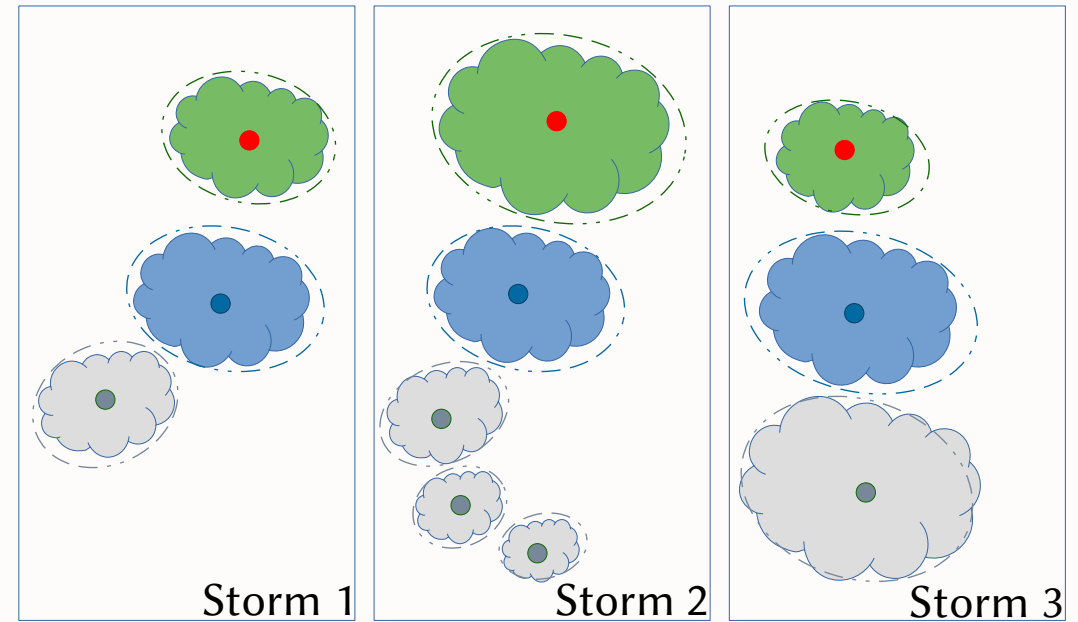
Step1: Measuring Similarity

Euclidean Distance
(Eq. 5)

Step2: Ranking in ascending order

Step3: Select K- Neighbours

Past Storms



Step 4: Single Nowcast (Eq. 6)

Step 4: Ensemble Nowcast (Eq. 7)



past state of the storm



present state of storm
when nowcast is issued



future state of the storm
at lead time +LT



Ellipsoid fitted at each
state of the storm