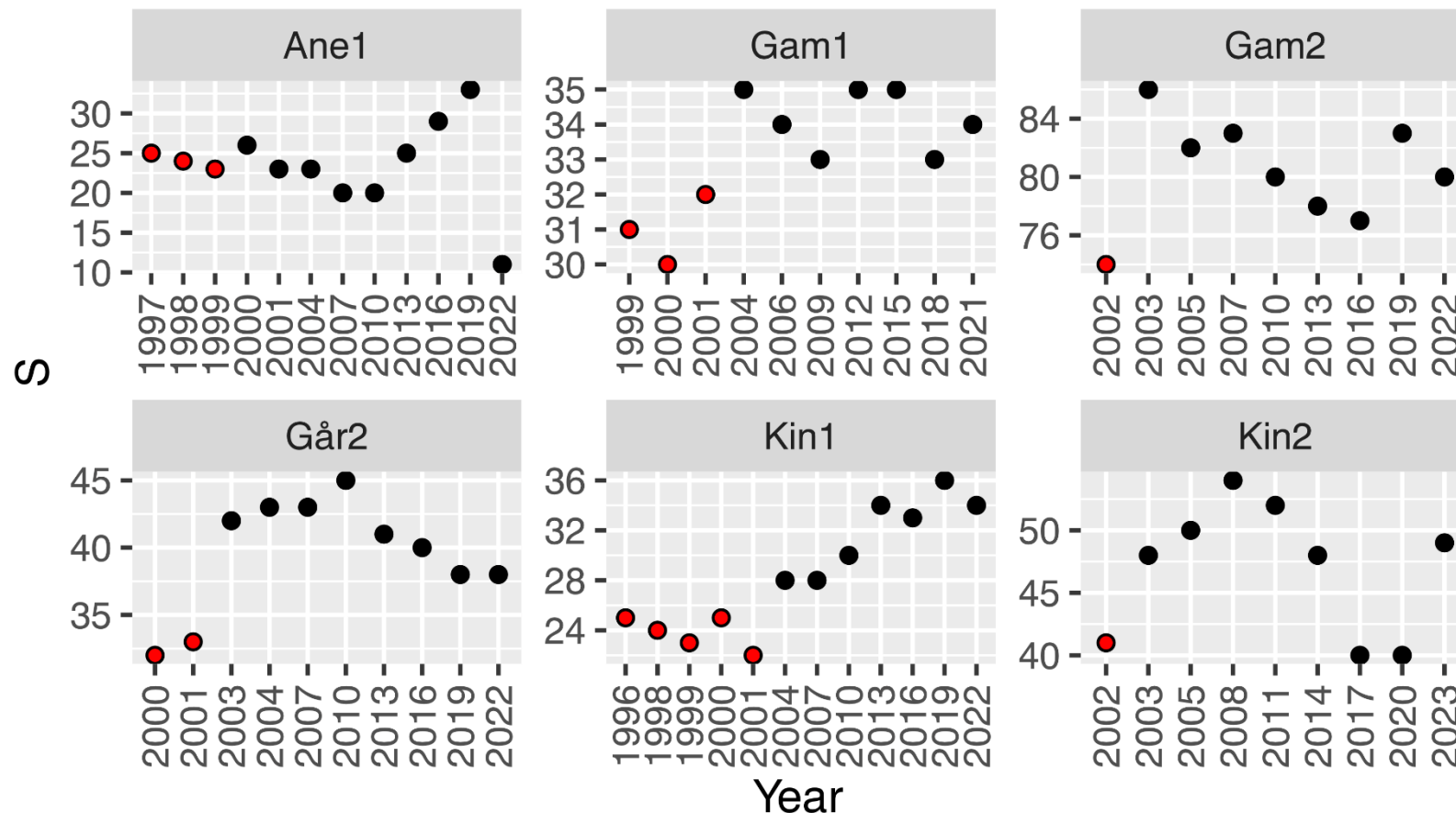


”Correlation only” in natural systems

- IM sites are as close to natural conditions as possible
- No manipulation/experiments performed
- We can only show that changes are associated with deposition, not definitively caused by it

Change of personnel

- A potential hidden source of variation
- Number of species per plot (for example) can vary greatly at the same location with different observers
- (Good) field staff should never retire...



Increase in number of bryophyte species recorded after change in personnel

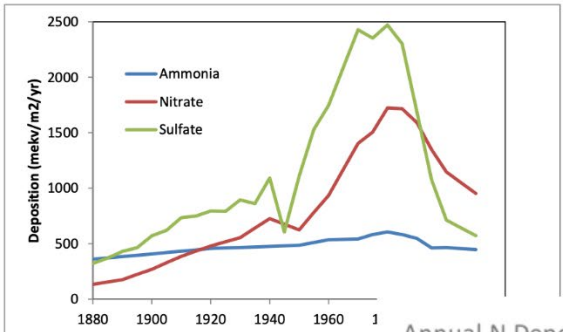
Multiple disturbances, anthropogenic and natural

- Our focus is the effects of certain anthropogenic disturbances, but these are multiple
- Natural disturbances also occur, large and small
- Disentangling these is not simple, or clear cut

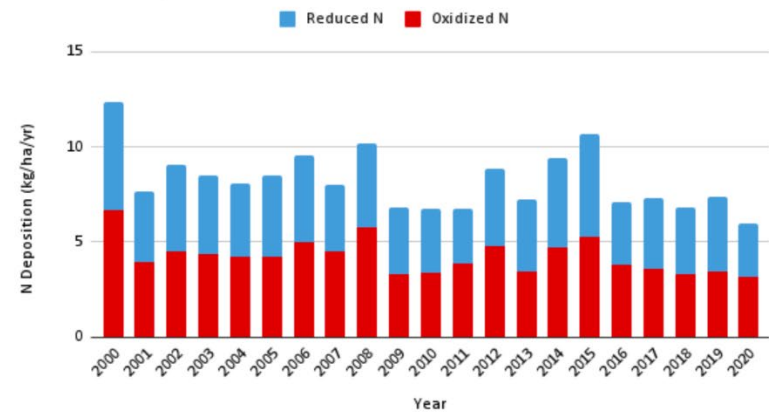
Multiple disturbances, anthropogenic and natural

Is climate the noise in the recovery signal?

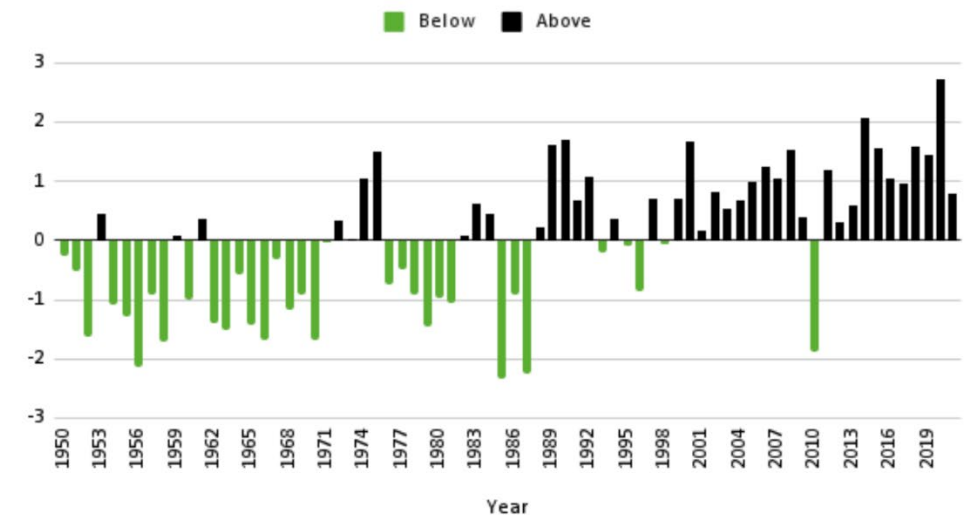
Or is recovery the noise in the climate signal



Annual N Deposition

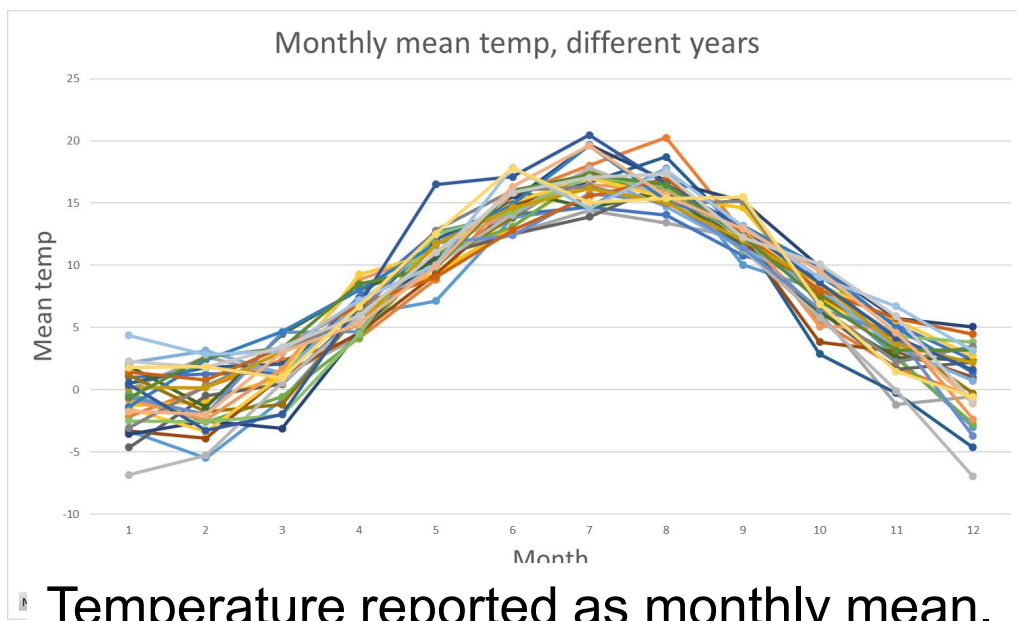


Temperature

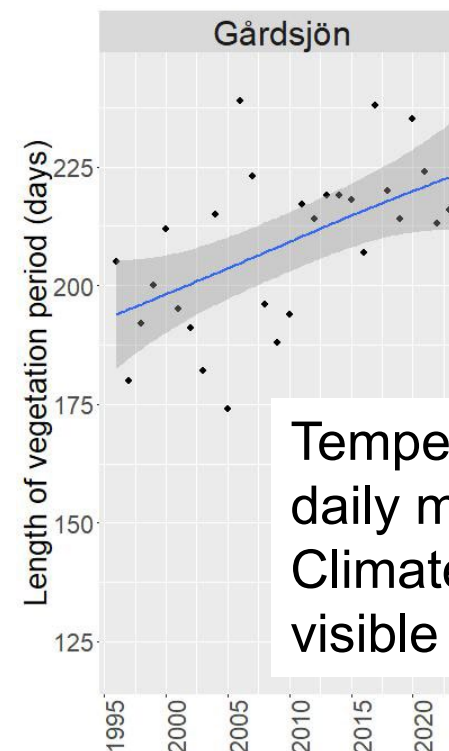


Bias in reporting of data

Lower resolution in data reporting, than in data acquisition e.g. temperature in IM



Temperature reported as monthly mean. Curves for different years. Summer is warmer than winter...



Temperature reported as daily mean. Climate change effects visible