

# The 2018 #DROUGHT in Switzerland

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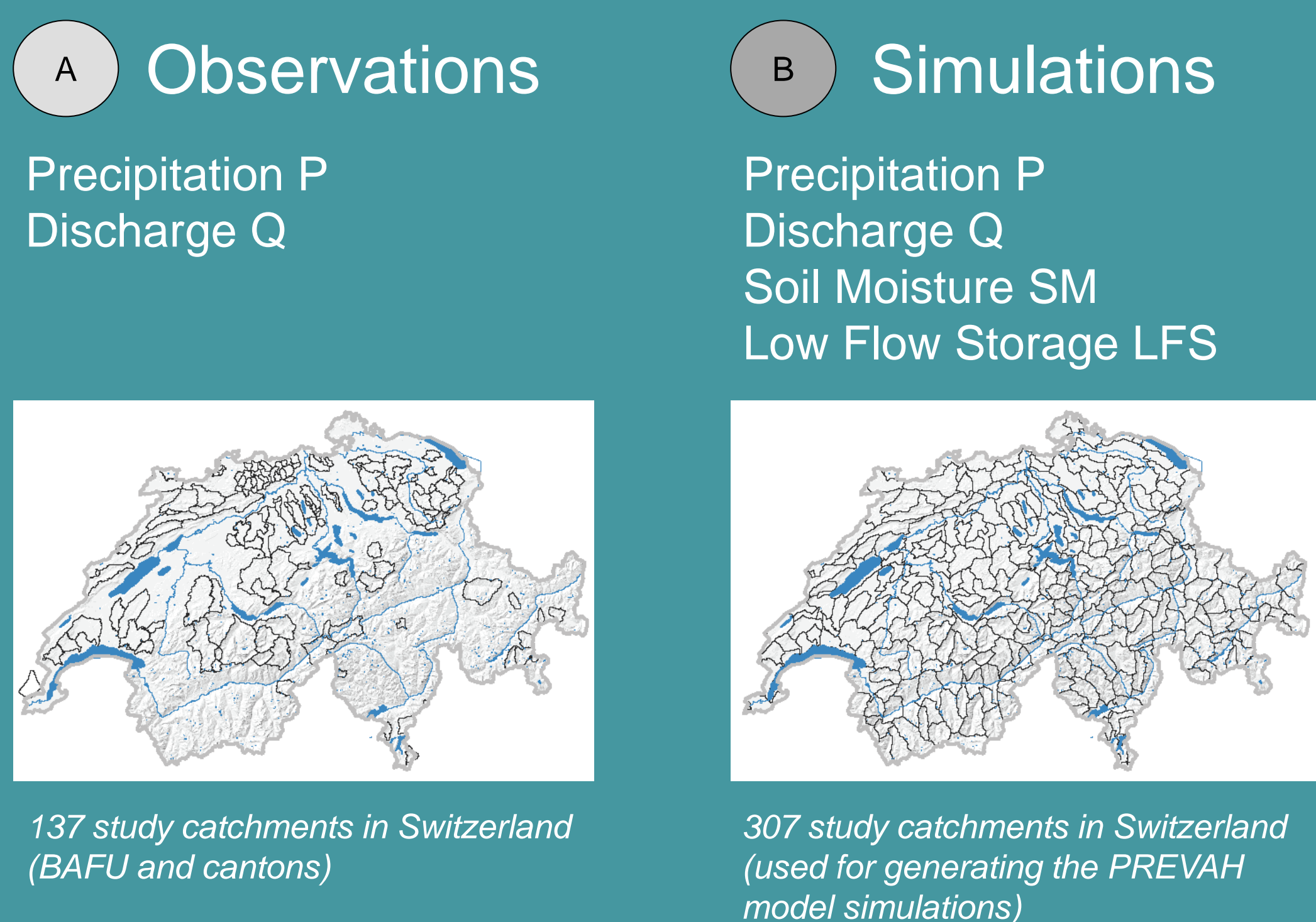
WSL-Initiative  
Trockenheit  
Drought



## How **extreme** was the 2018 drought event in Switzerland compared to the 2003 and 2015 events?

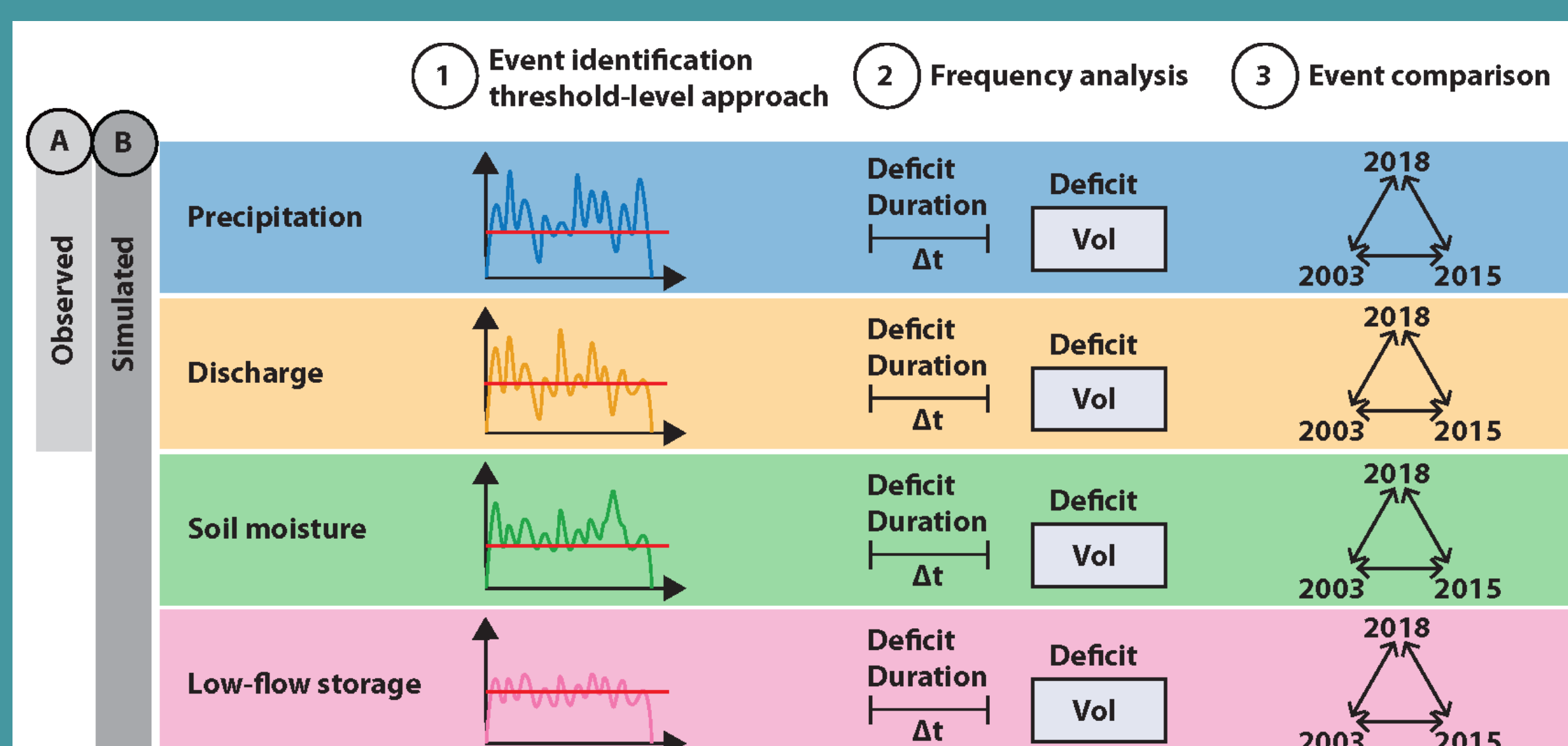
## The 2018 drought event was more severe than the 2003 and 2015 events

### Data Sets



### Working Steps

Drought severity assessment framework



- 1 Event identification using a threshold-level approach
- 2 Drought frequency analysis: univariate and multivariate
- 3 Comparison of the three drought events 2003, 2015, and 2018

- The 2018 drought event was more severe than the 2003 and 2015 events, in terms of discharge and soil moisture deficit, which are relevant for agriculture
- The 2018 drought event was most severe in north-eastern Switzerland in terms of precipitation, discharge, soil moisture and low flow storage

### Results

