

# Regression based on seasonal variations

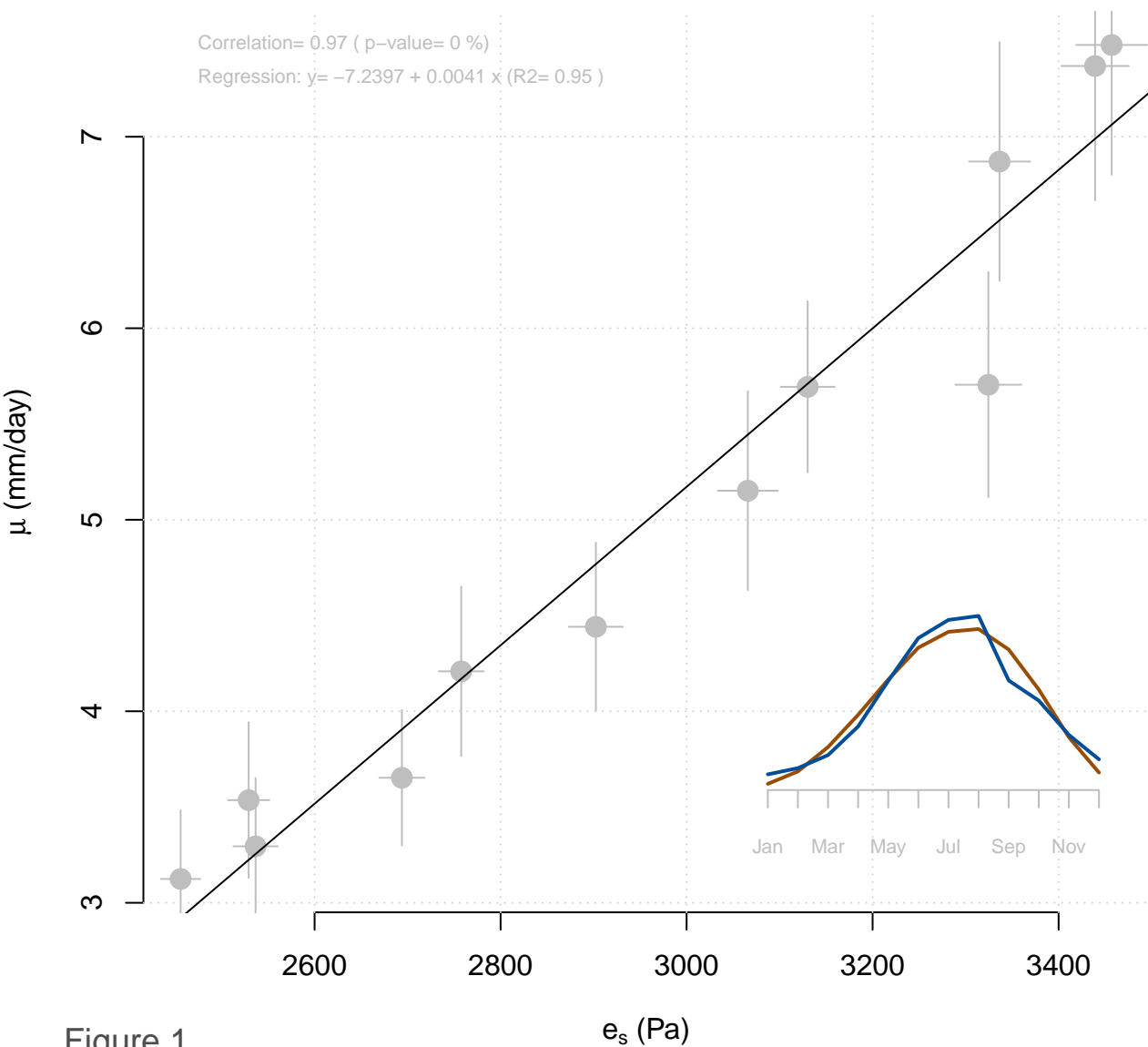
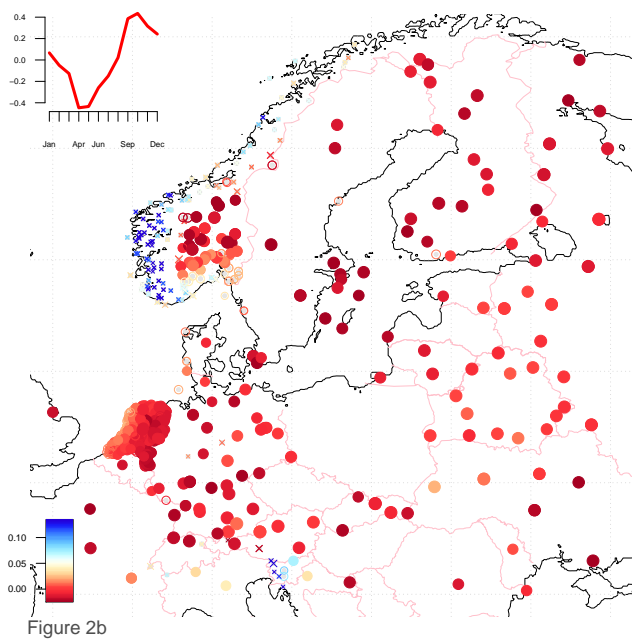
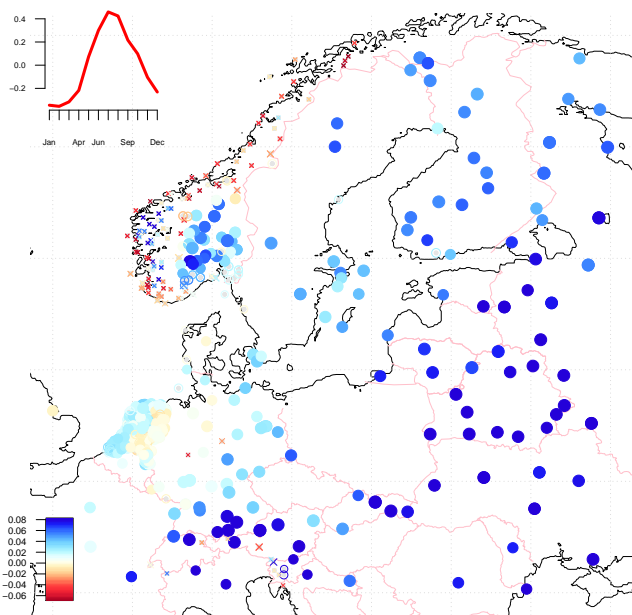


Figure 1

VELIKIE LUKI (30.62E/56.35N; 97m.a.s.l.)



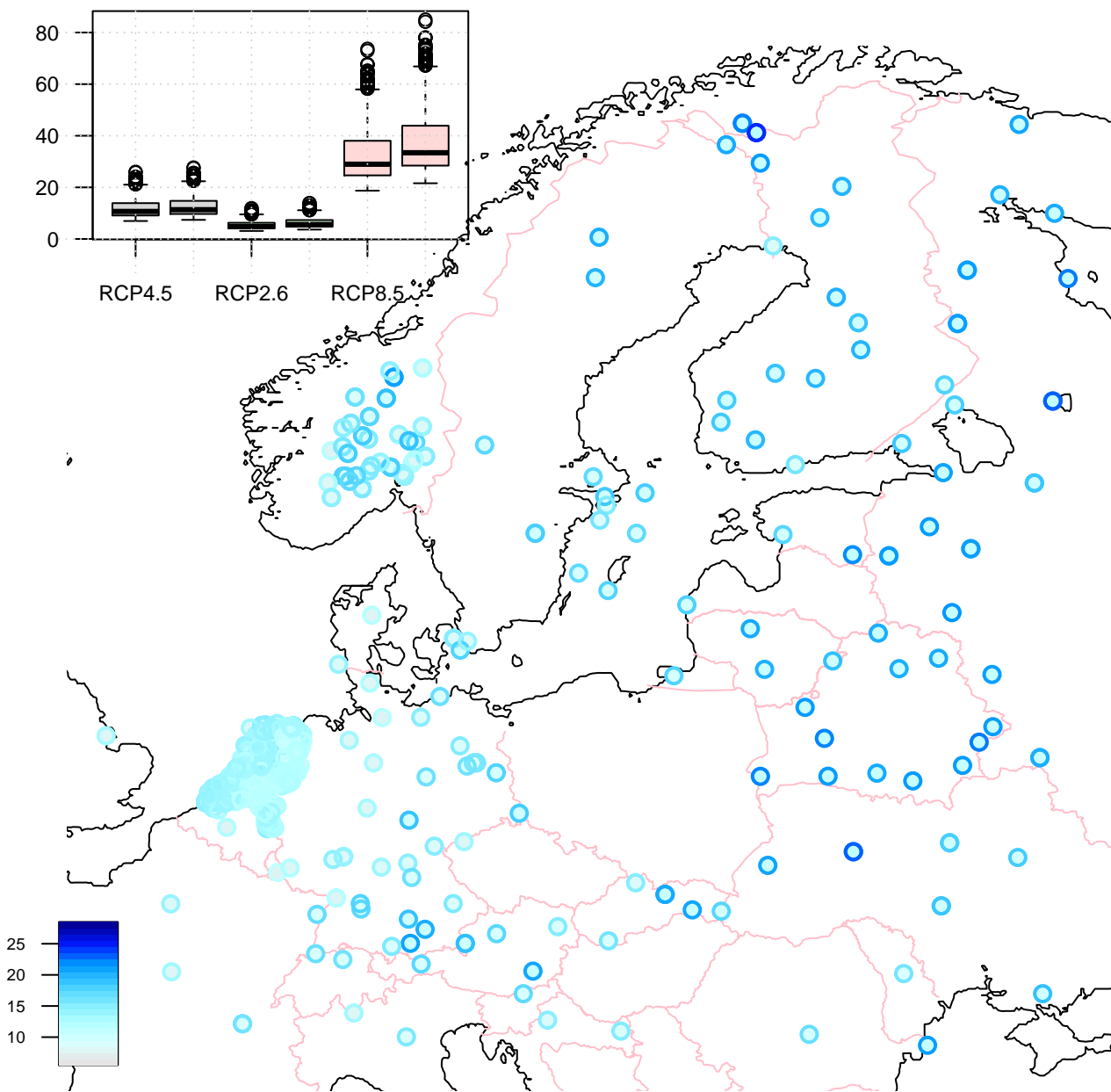


Figure 3

## **Supporting figures**

# GARDERMOEN

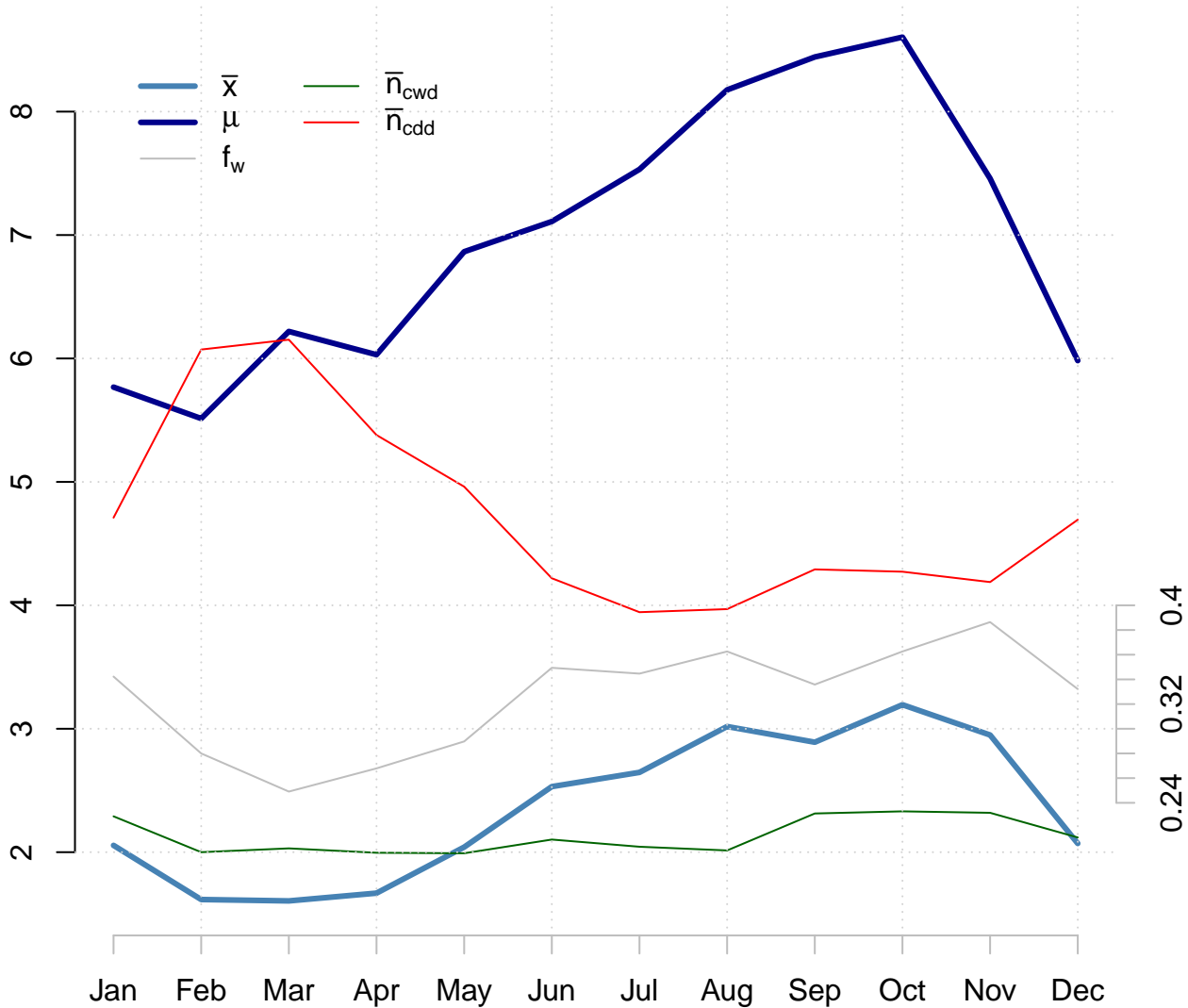


Figure SM1

Calendar month

# Test: exponential distribution & changing mean

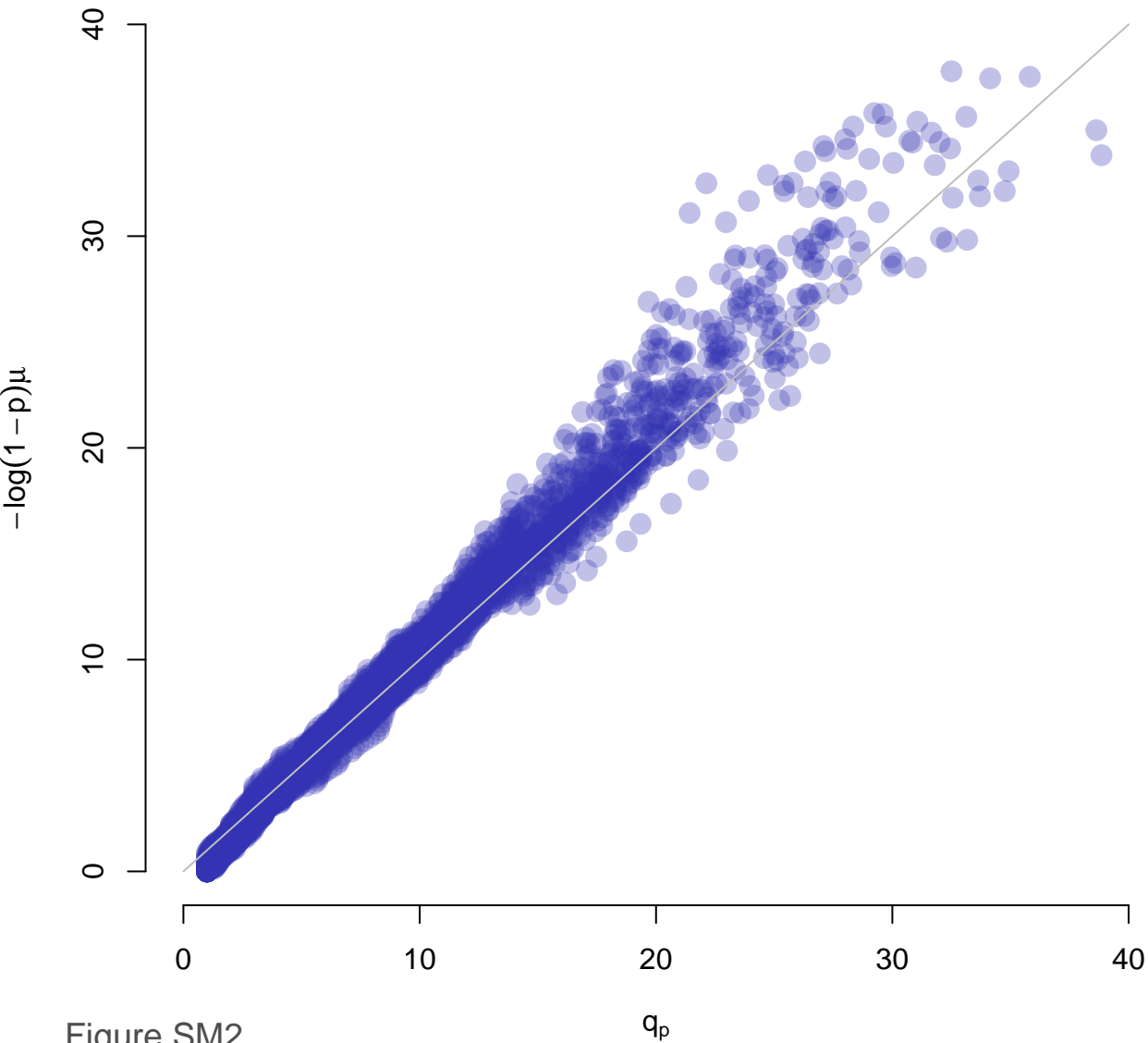
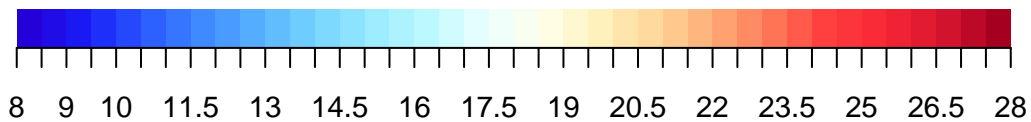
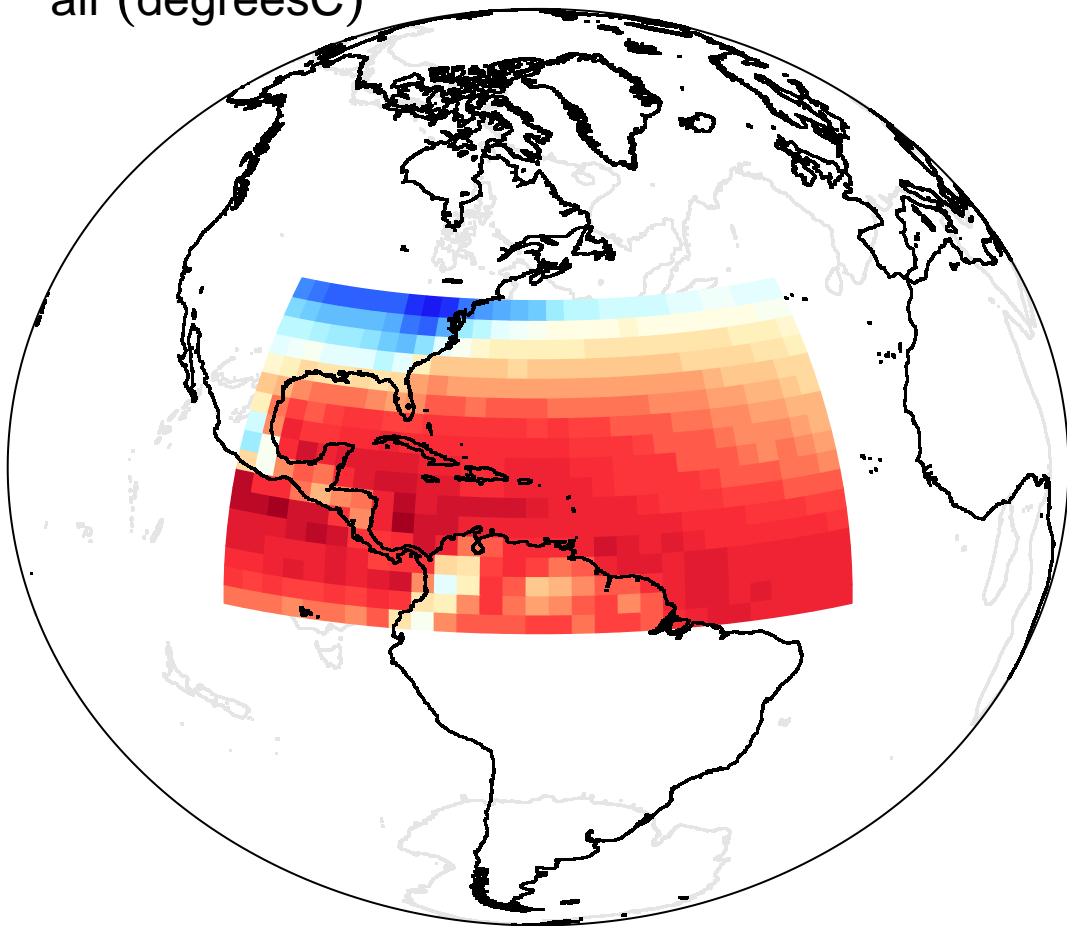


Figure SM2

Figure SM3

air (degreesC)



## Wet-day mean at STOCKHOLM

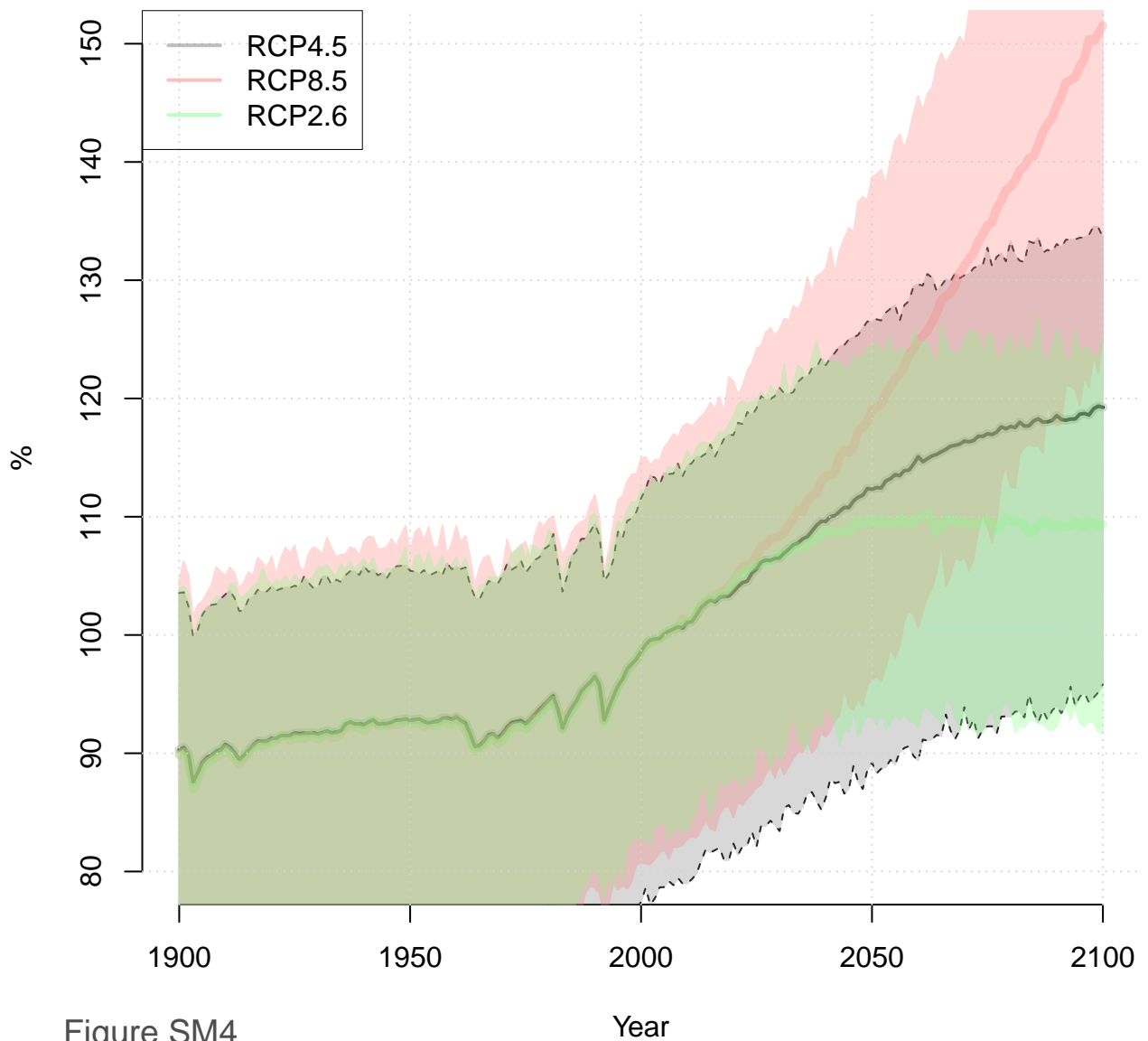


Figure SM4



## Summary of regression scores

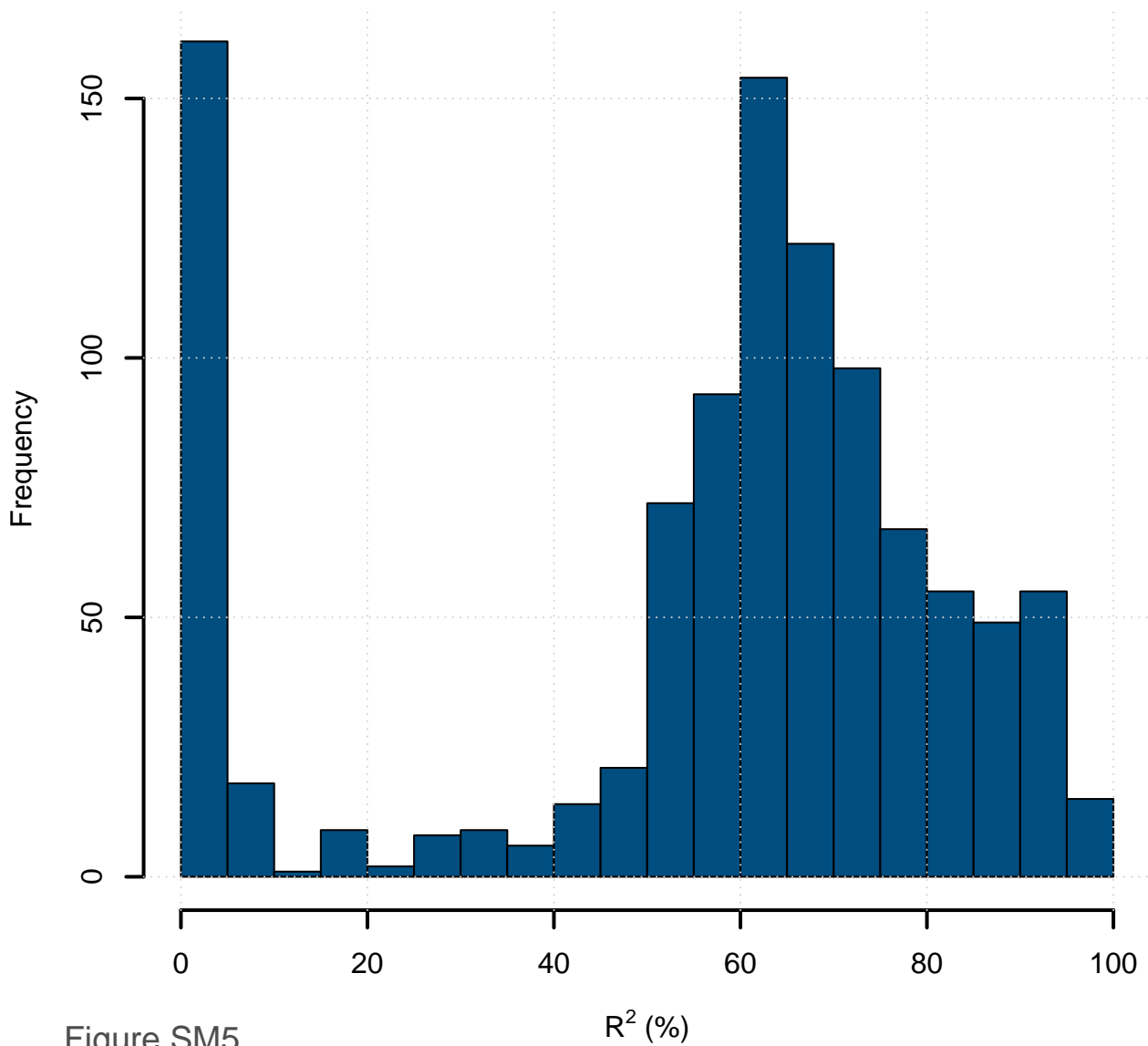
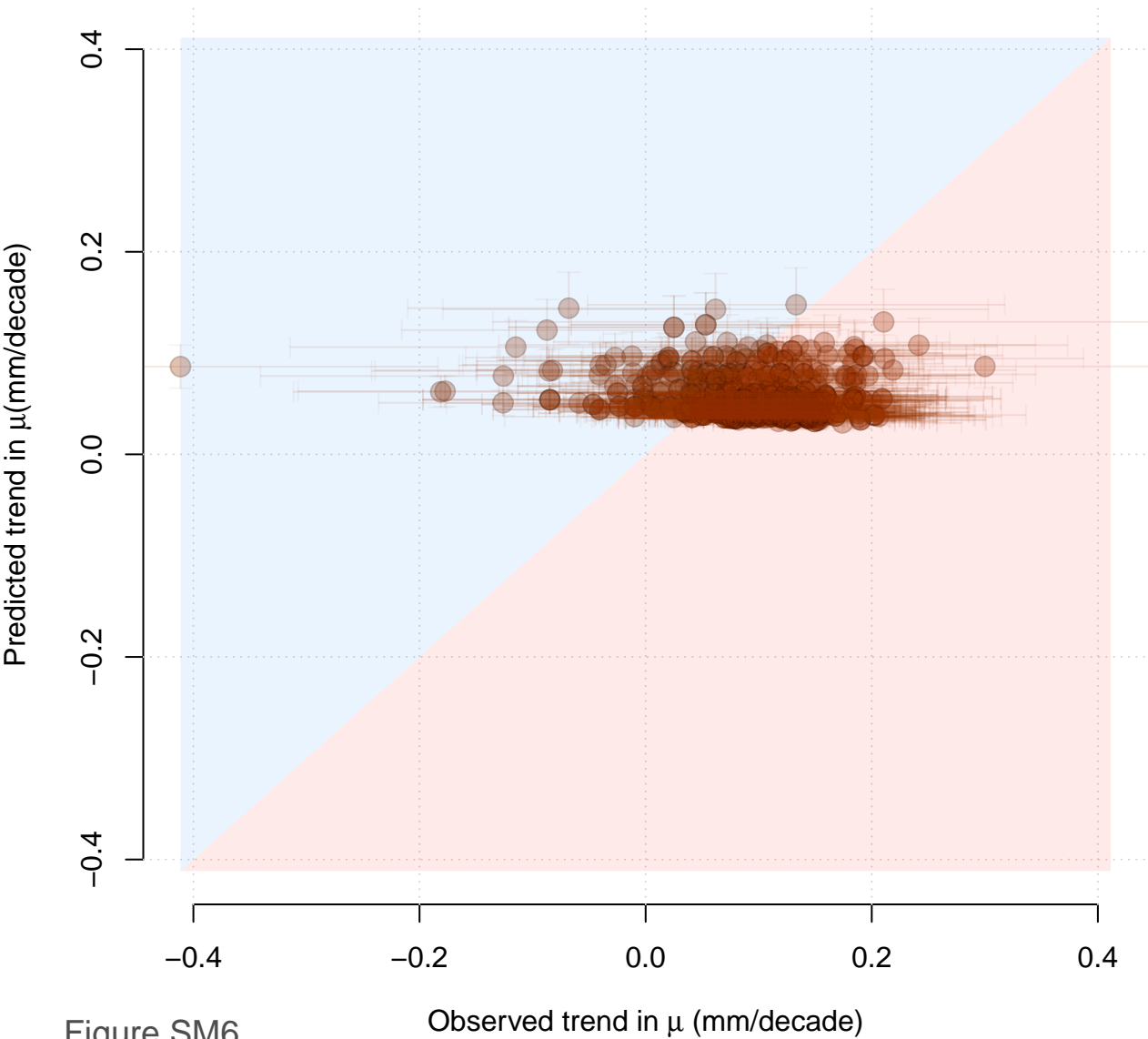


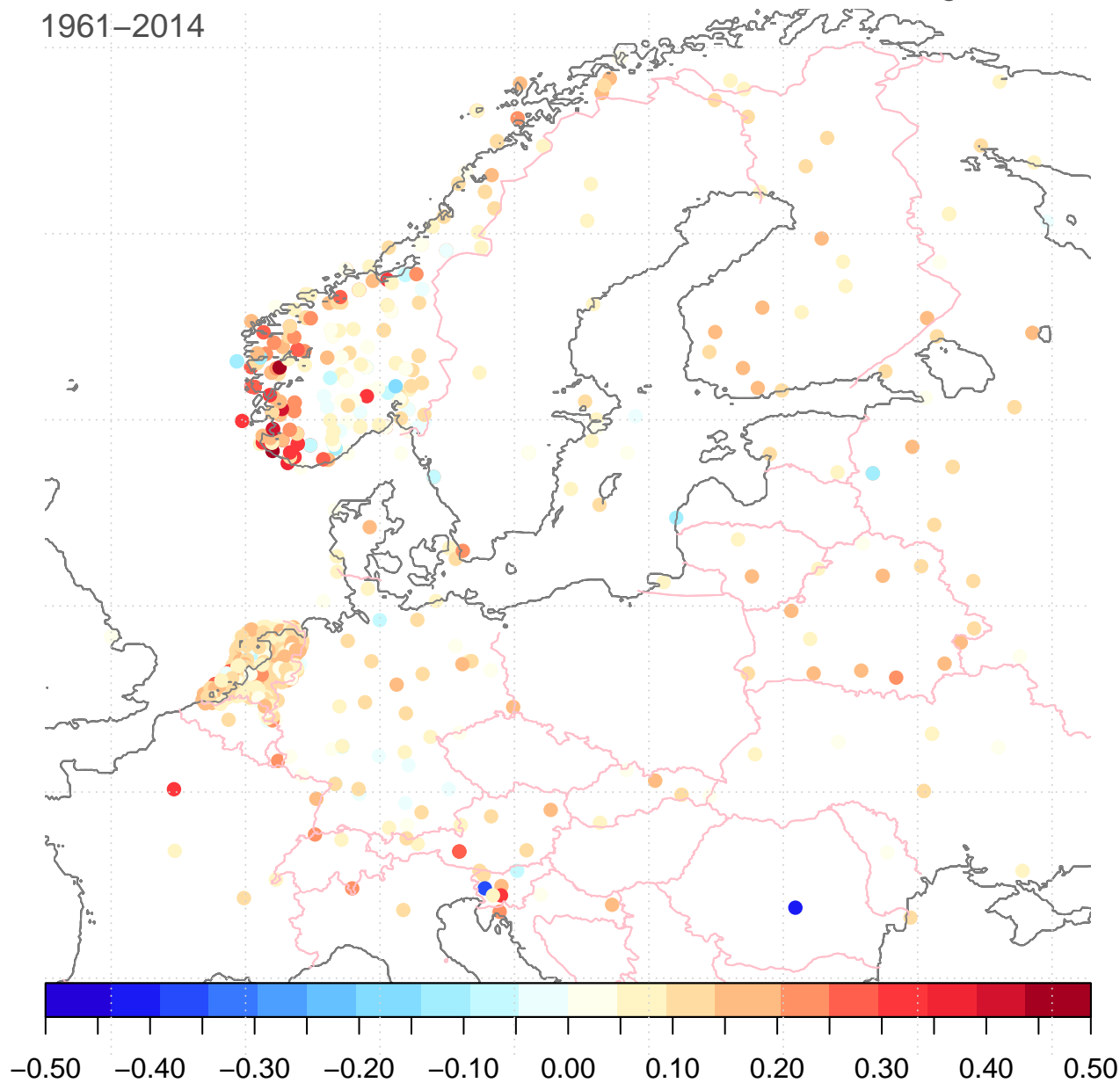
Figure SM5



Trend in  $\mu$  (mm/day per decade)

Figure SM7

1961–2014



# Trend in wet-day frequency (1961–2014)

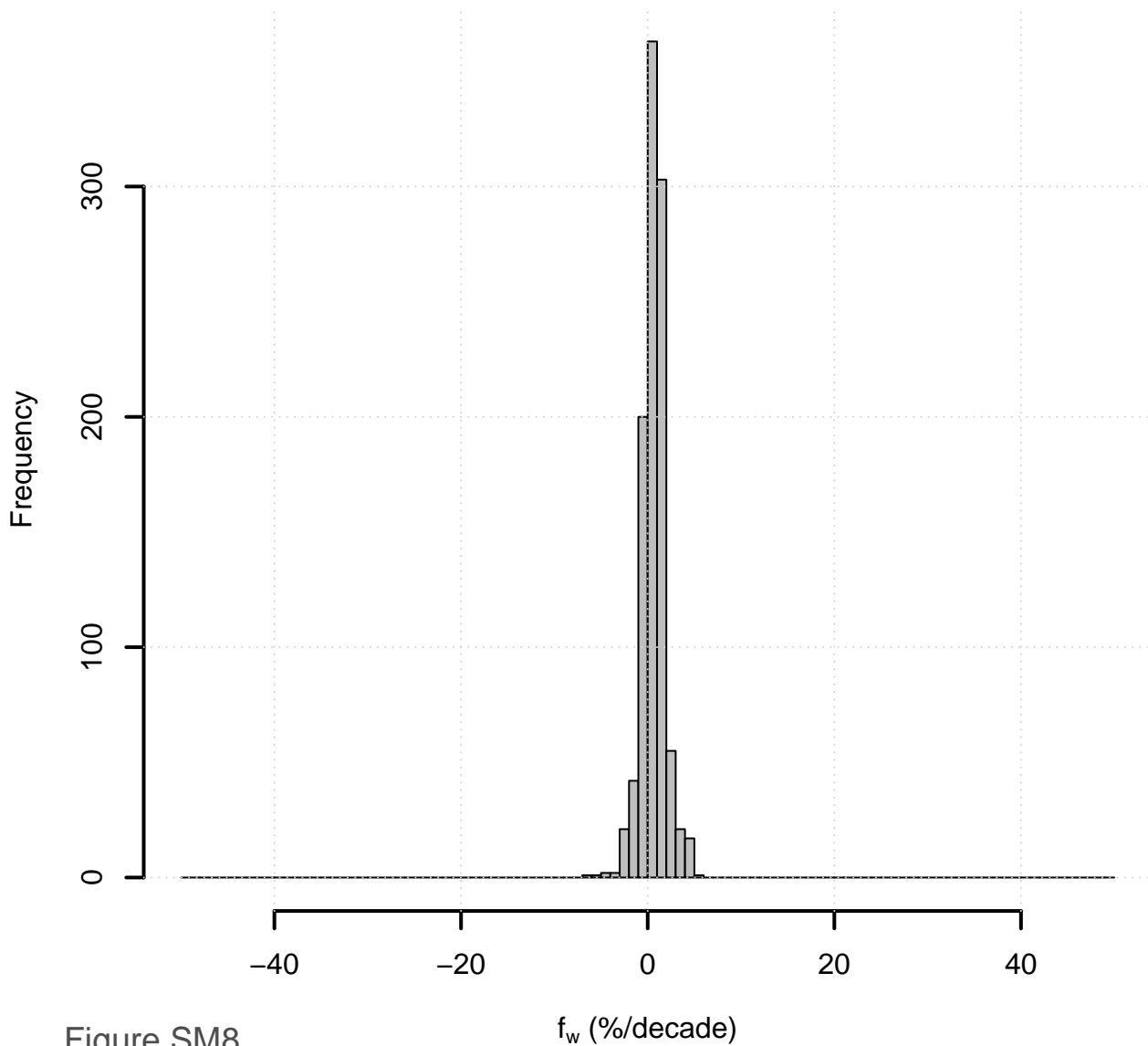
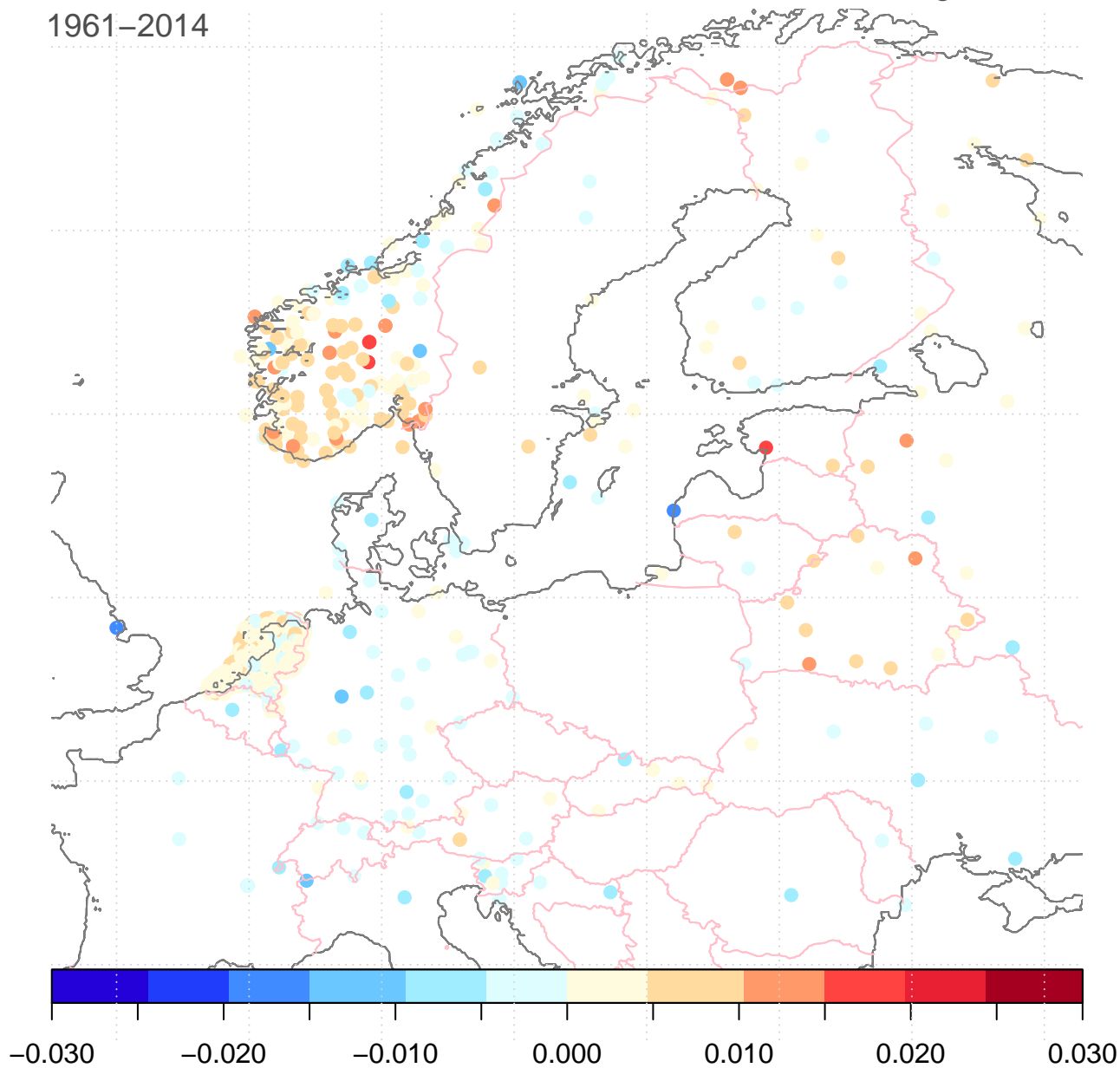


Figure SM8

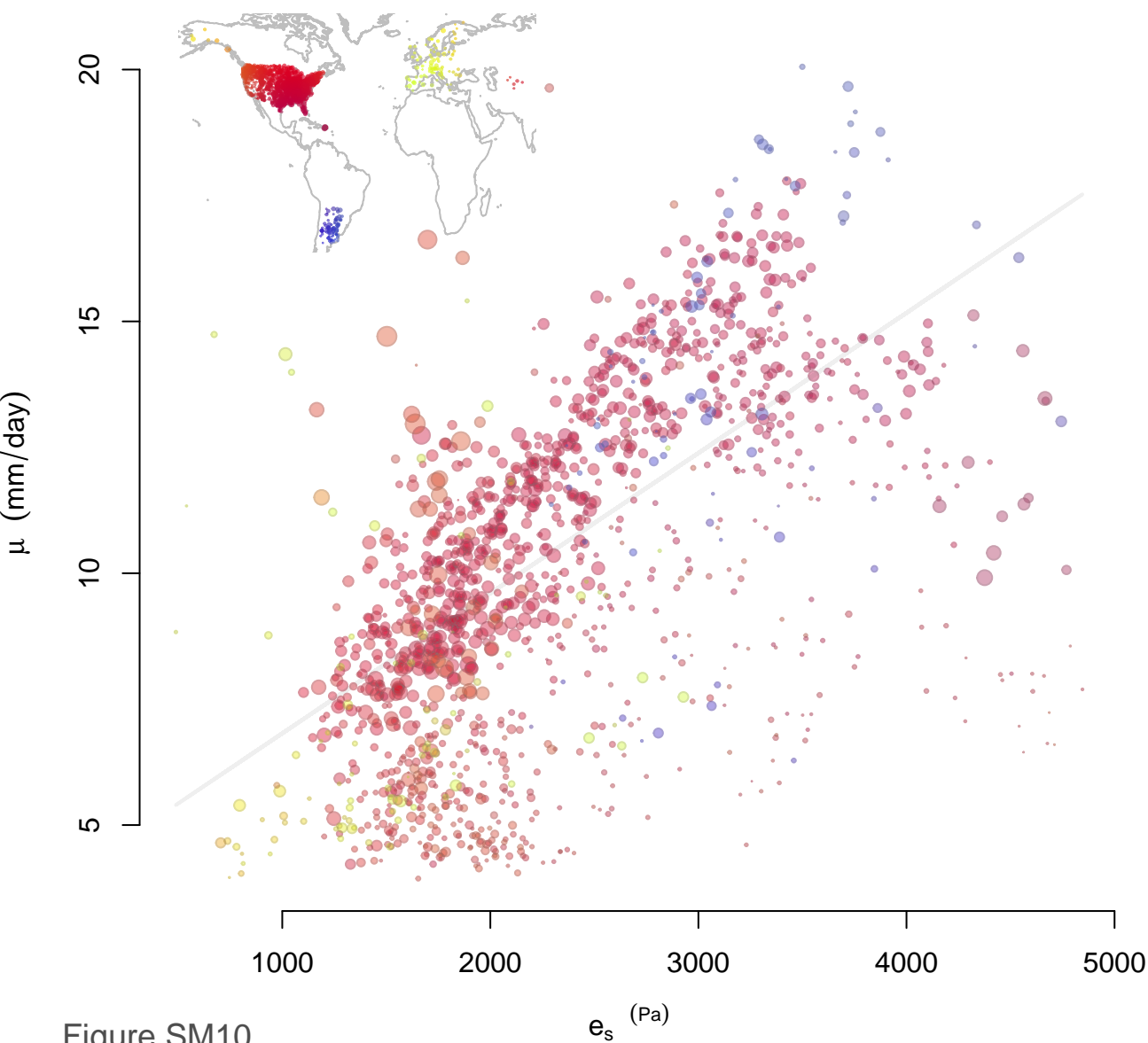
Trend in  $f_w$  (fraction per decade)

Figure SM9

1961–2014



# Wet-day mean precipitation temperature dependency



# Scaling coefficient for $\mu$ and $e_s$

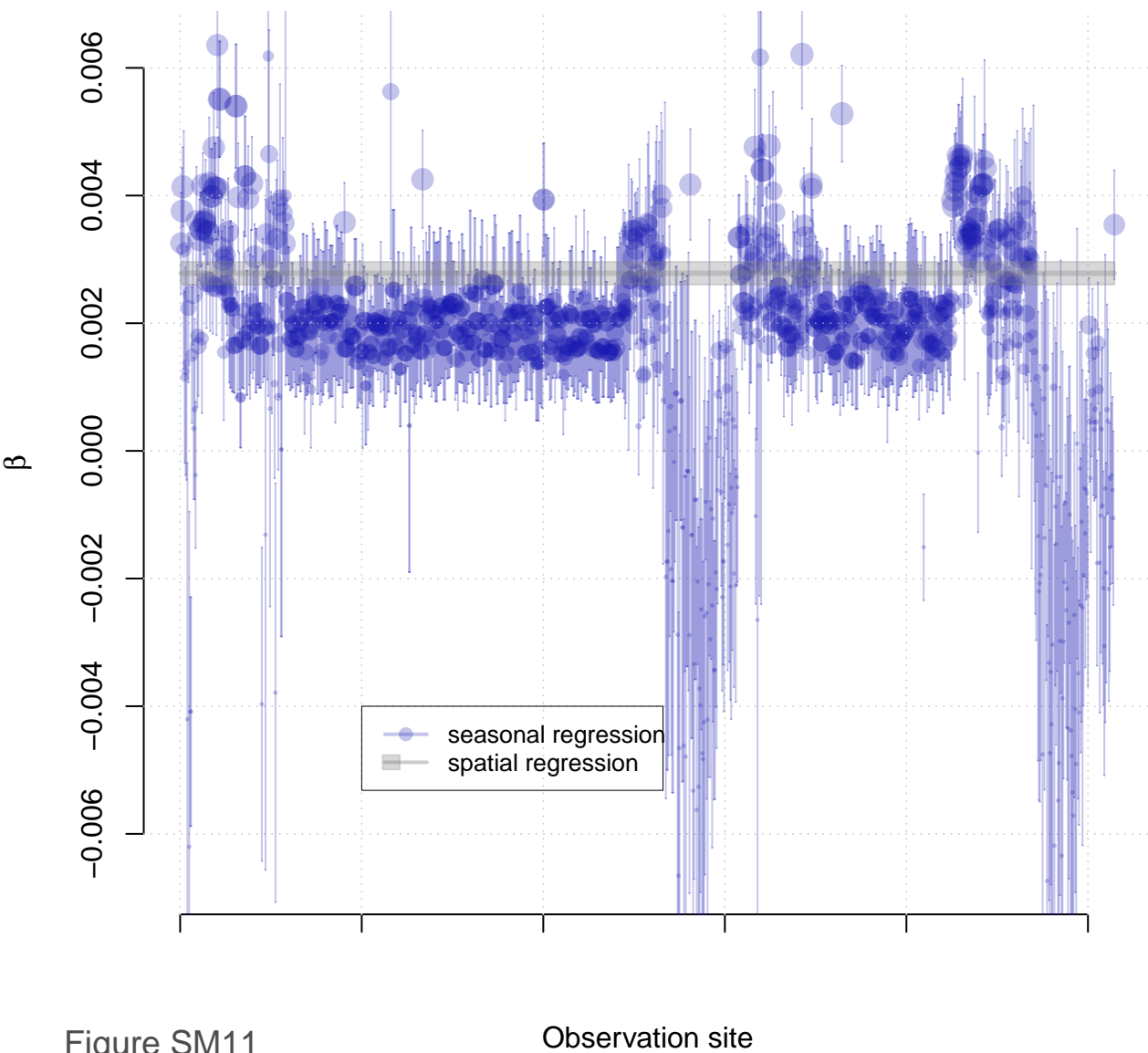


Figure SM11