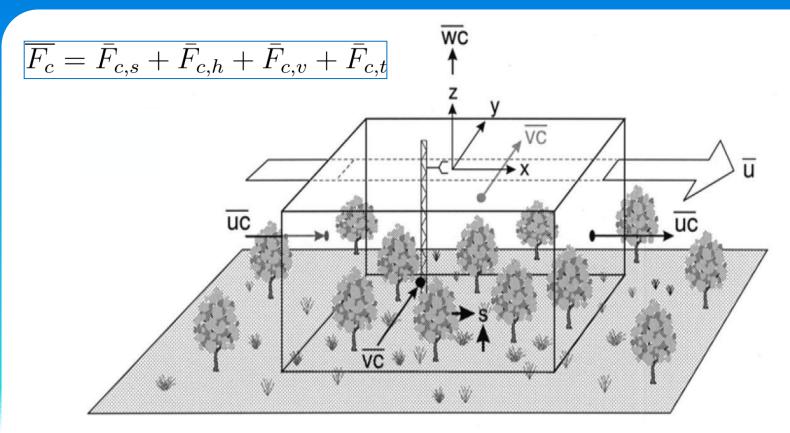
# Contribution of the advection term for NEE in short-statured ecosystems

Peng ZHAO, Georg WOHLFAHRT

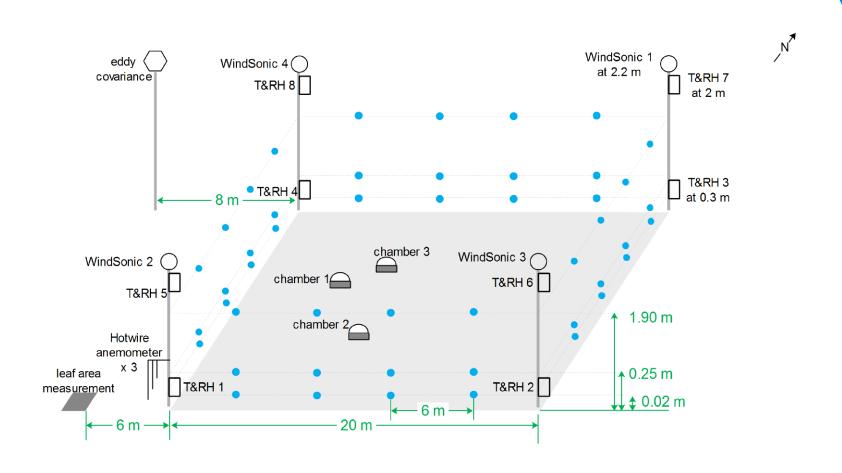
Institute of Ecology, University of Innsbruck ScaleX workshop, Garmisch-Partenkirchen, 15 Feb 2016

### Concept



Finnigan et al., 2003

# Setup



# Field campaign 2015



# Field campaign 2015



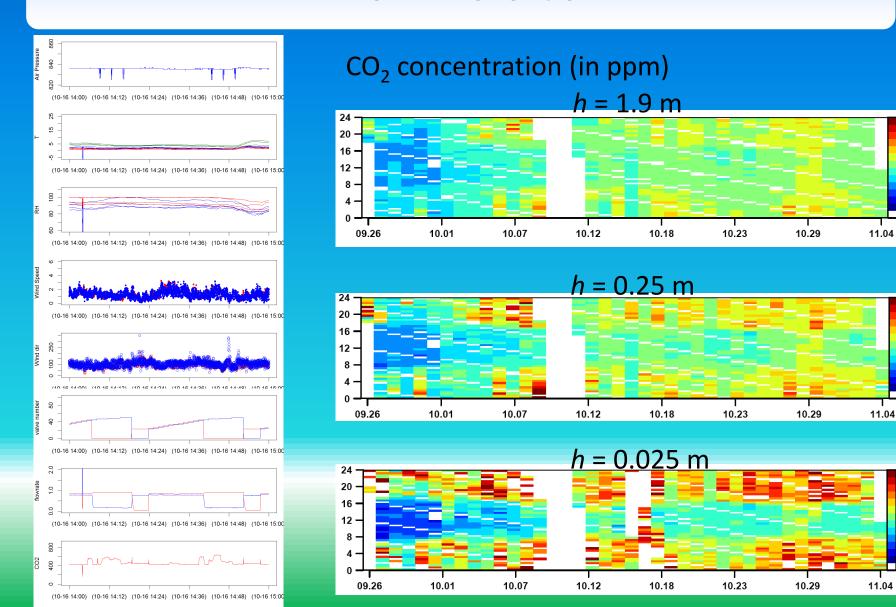




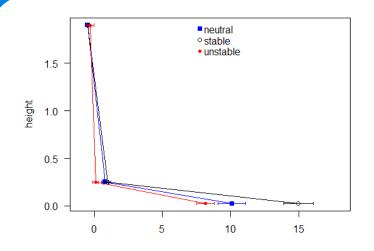


Monte Bondone, 2015

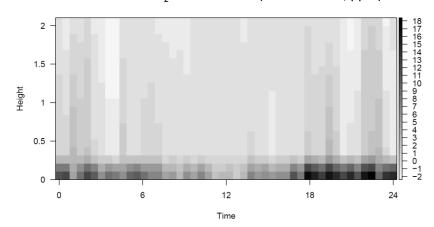
#### Raw data

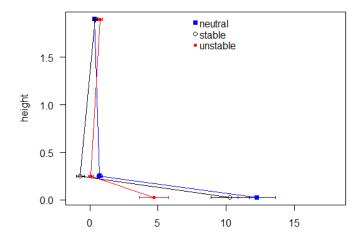


# Results: CO<sub>2</sub> profiles

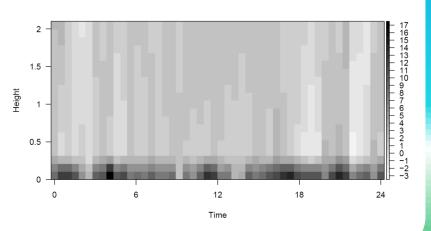


Difference in CO<sub>2</sub> concentration (south – north, ppm)

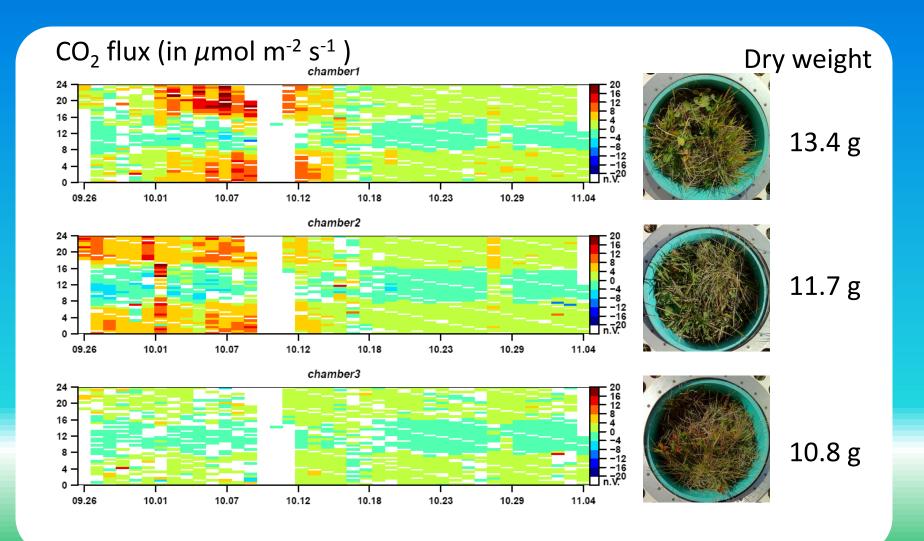




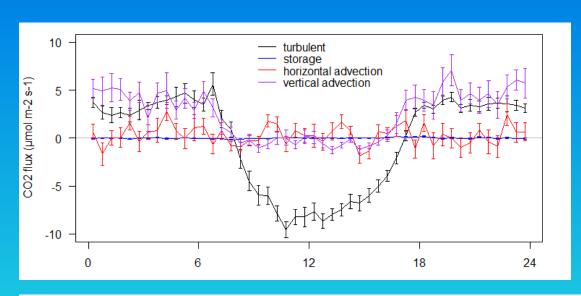
Difference in CO<sub>2</sub> concentration (east – west, ppm)

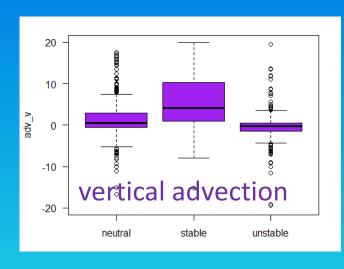


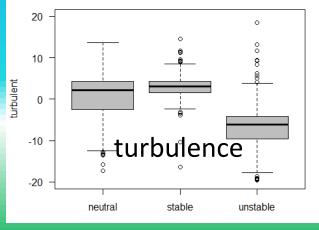
### Results: chambers

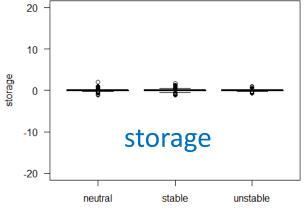


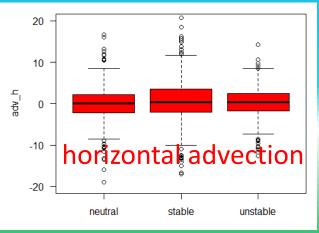
### Results: Flux terms



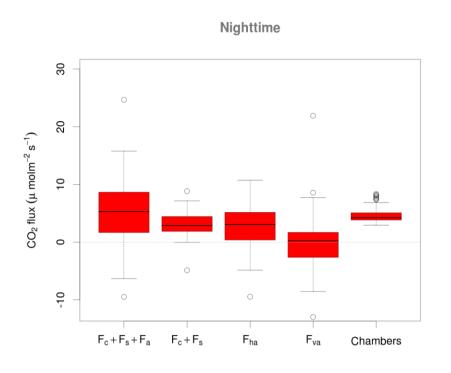


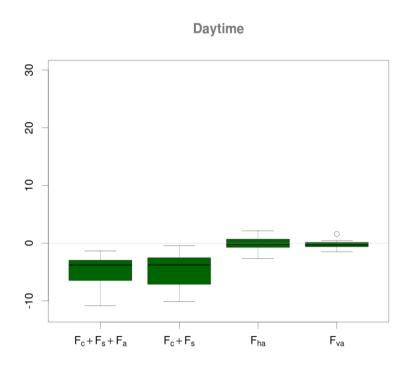






### Results 2012





# Future plan



- Different topography
- Different scales

