

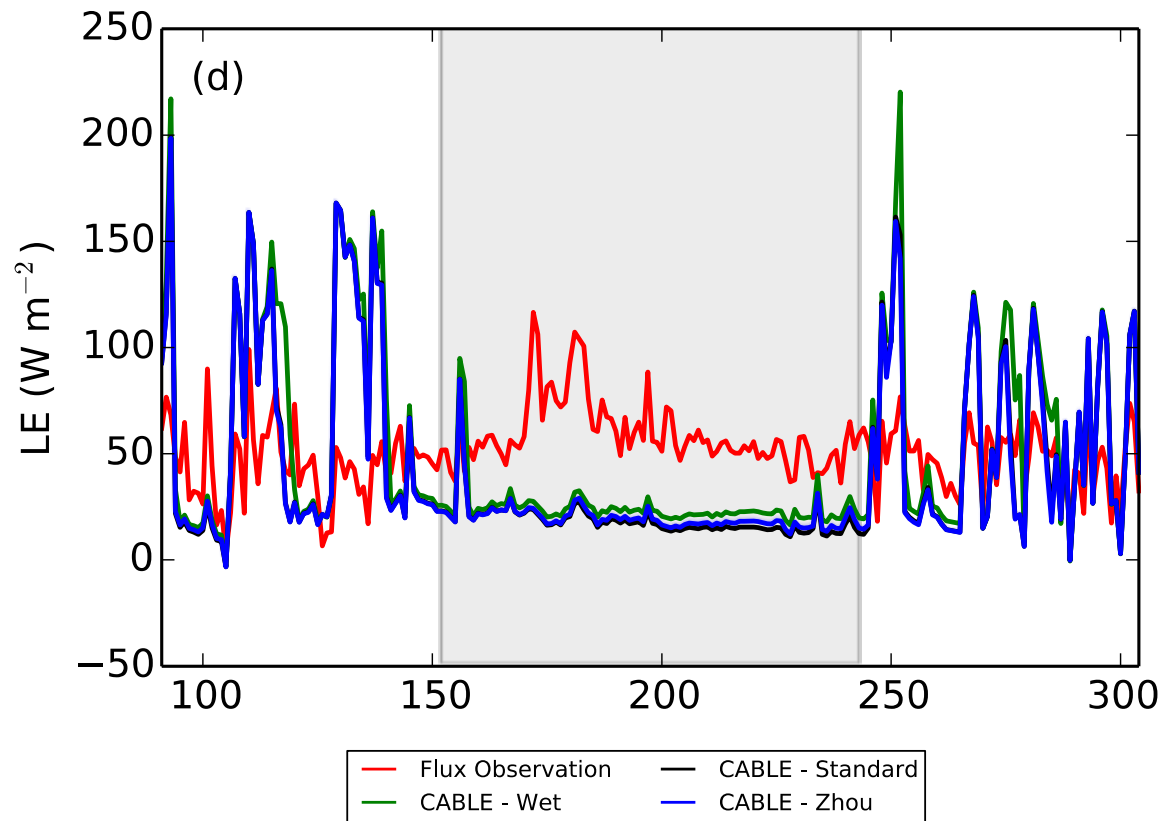
# Evaluating CABLE for simulating latent heat fluxes

Anna Ukkola

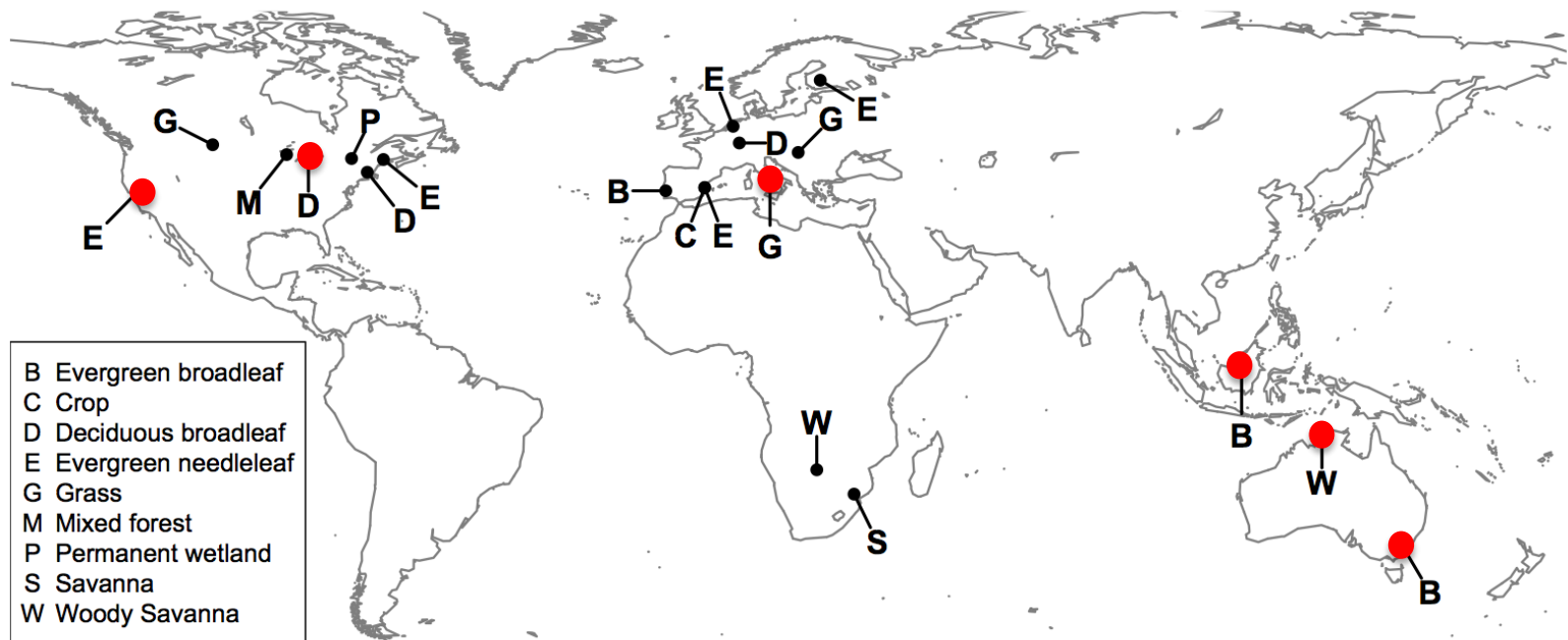
CABLE meeting May 2015

# Motivation

El Saler during European drought 2003  
(Zhou, de Kauwe et al.)

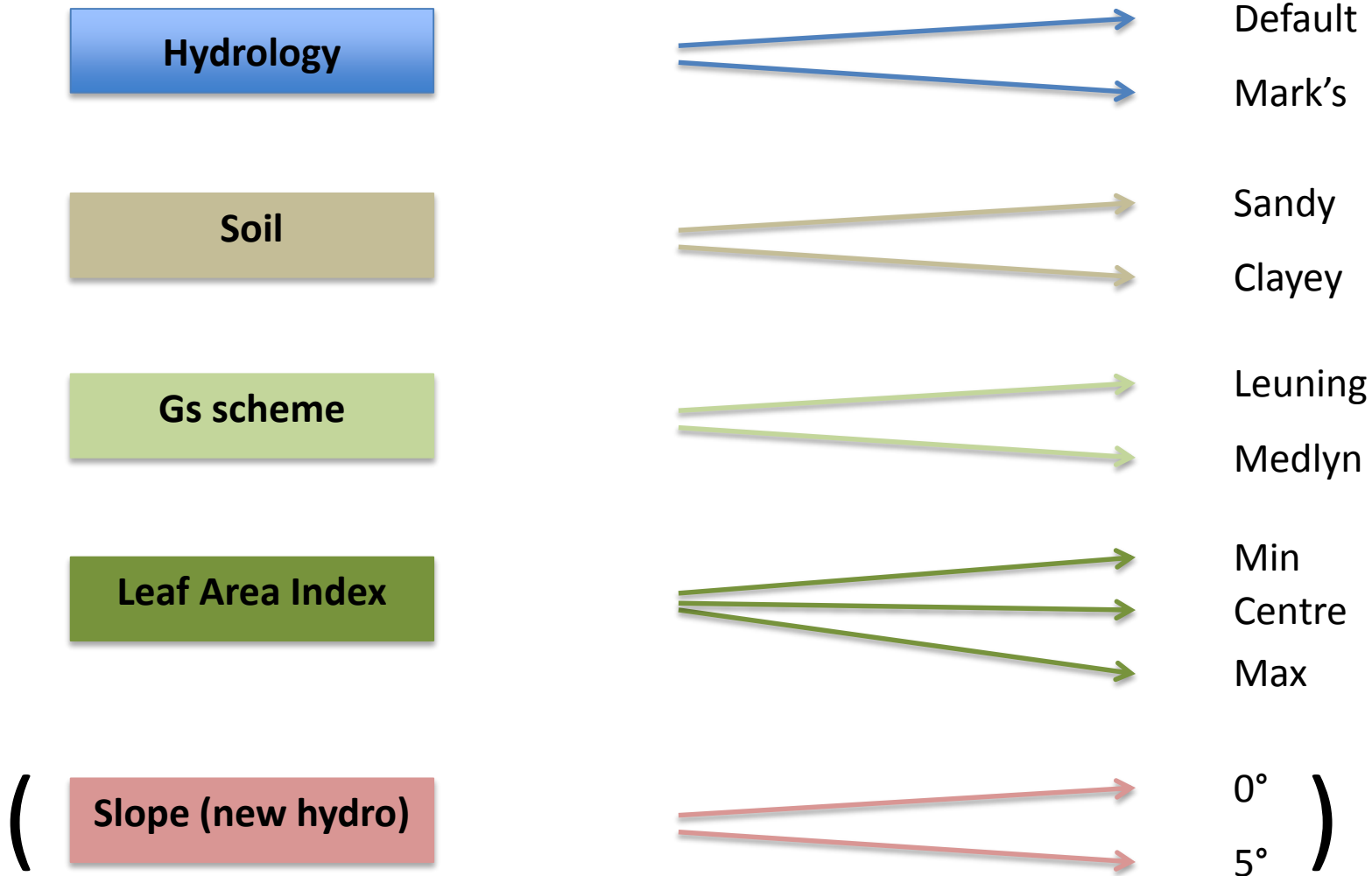


# 20 PLUMBER flux sites



Best et al. (2015), The plumbing of land surface models: benchmarking model performance

# Ensembles



# Soil parameters

	1	2	3	4	5	6	7	8	9
Silt fraction	0.08	0.33	0.17	0.20	0.06	0.25	0.15	0.70	0.33
Clay fraction	0.09	0.30	0.67	0.20	0.42	0.48	0.27	0.17	0.30
Sand fraction	0.83	0.37	0.16	0.60	0.52	0.27	0.58	0.13	0.37

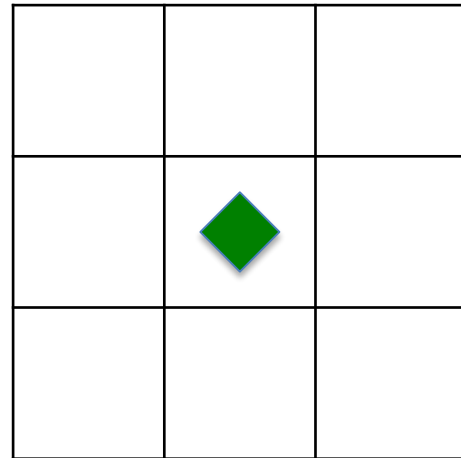
Swilt, Sfc, Ssat, Bch

Hyds, Sucs, Rhosoil, Css

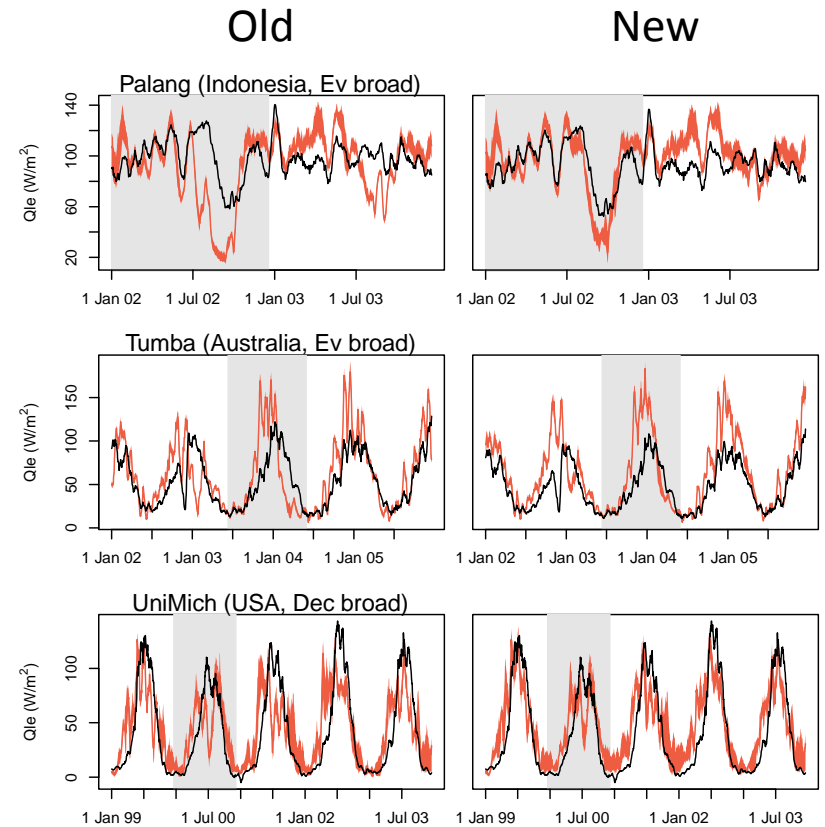
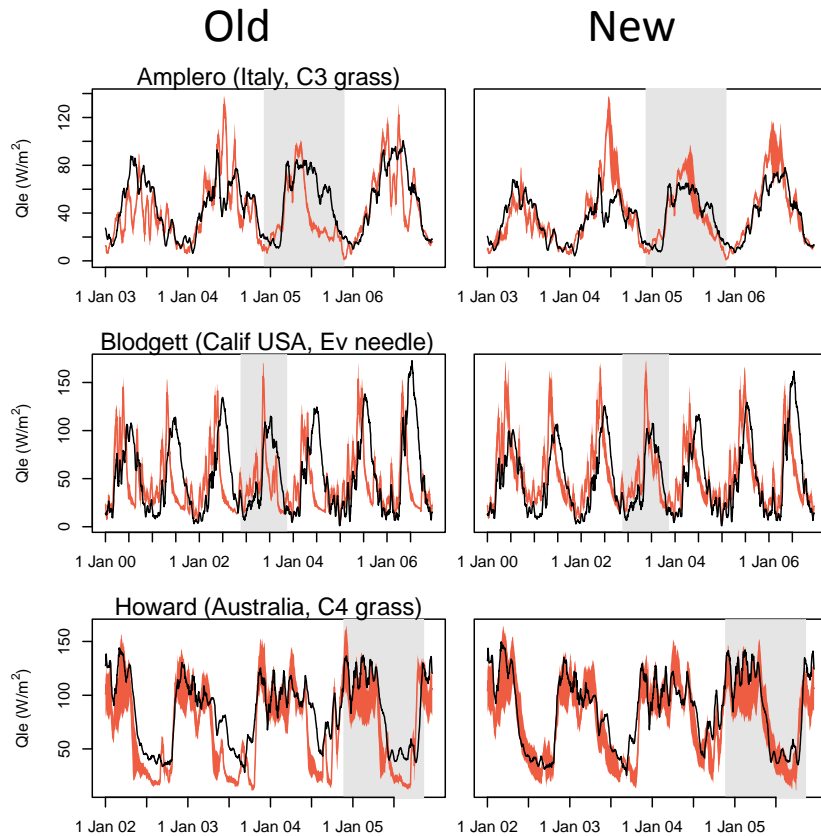
# Leaf Area Index

MODIS 1km data

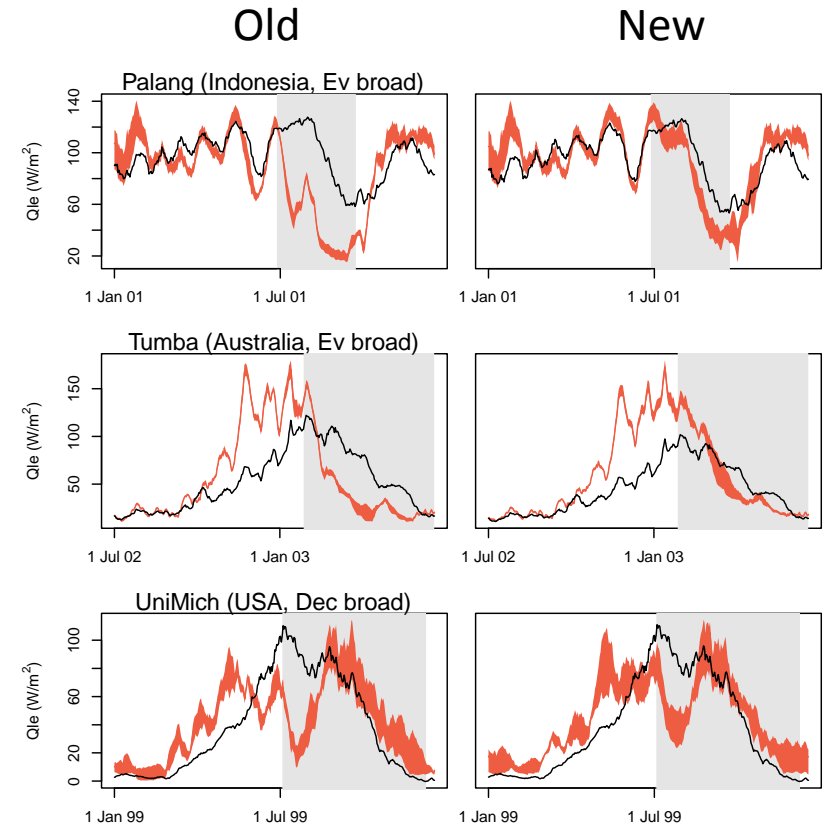
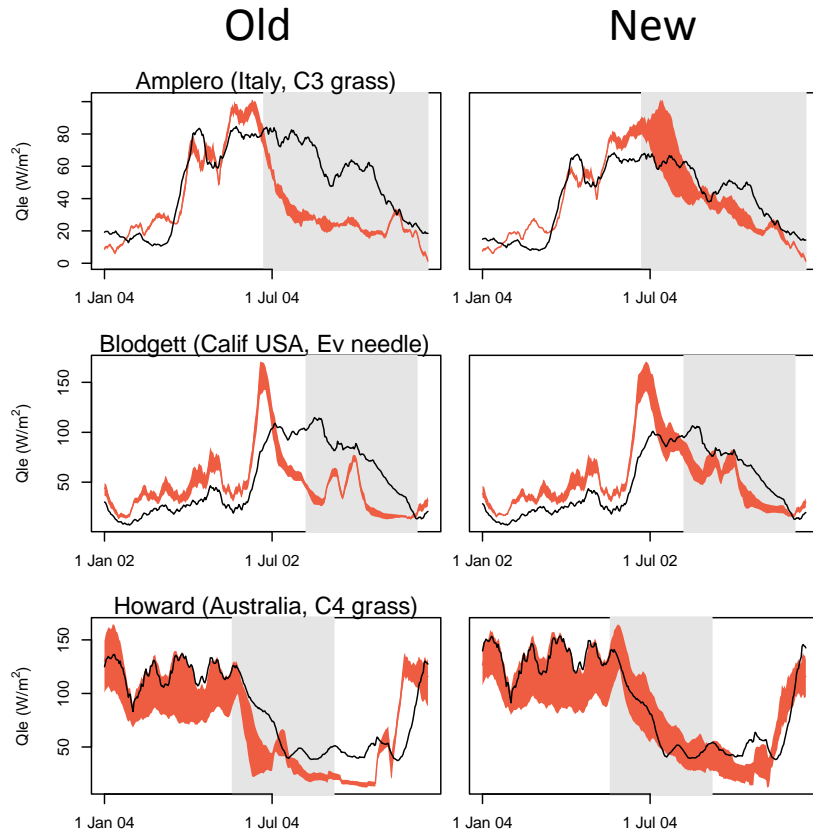
- Centre
- Min
- Max
- Monthly time series where available,  
climatology otherwise



# Old vs. new hydrology

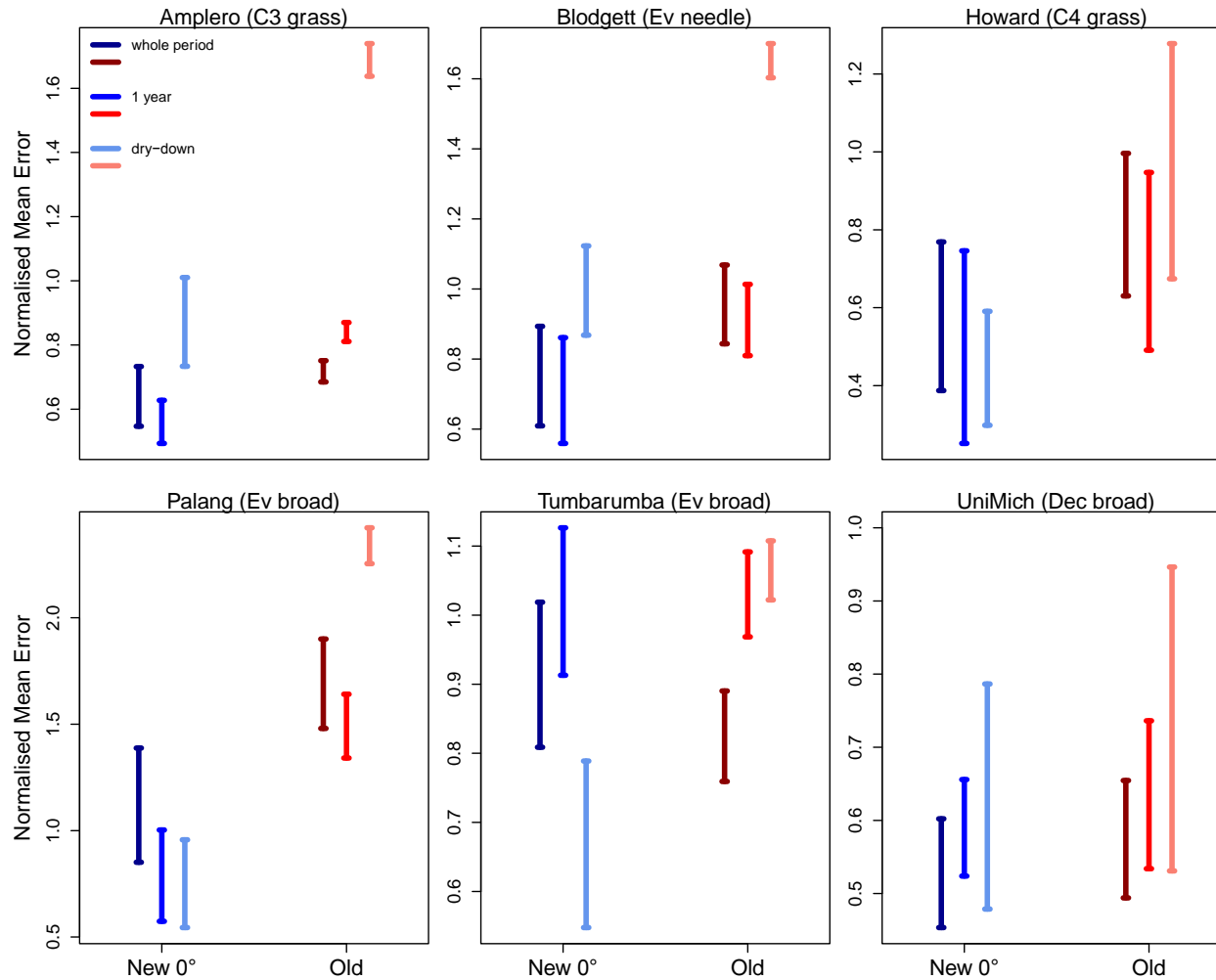


# Dry-down periods

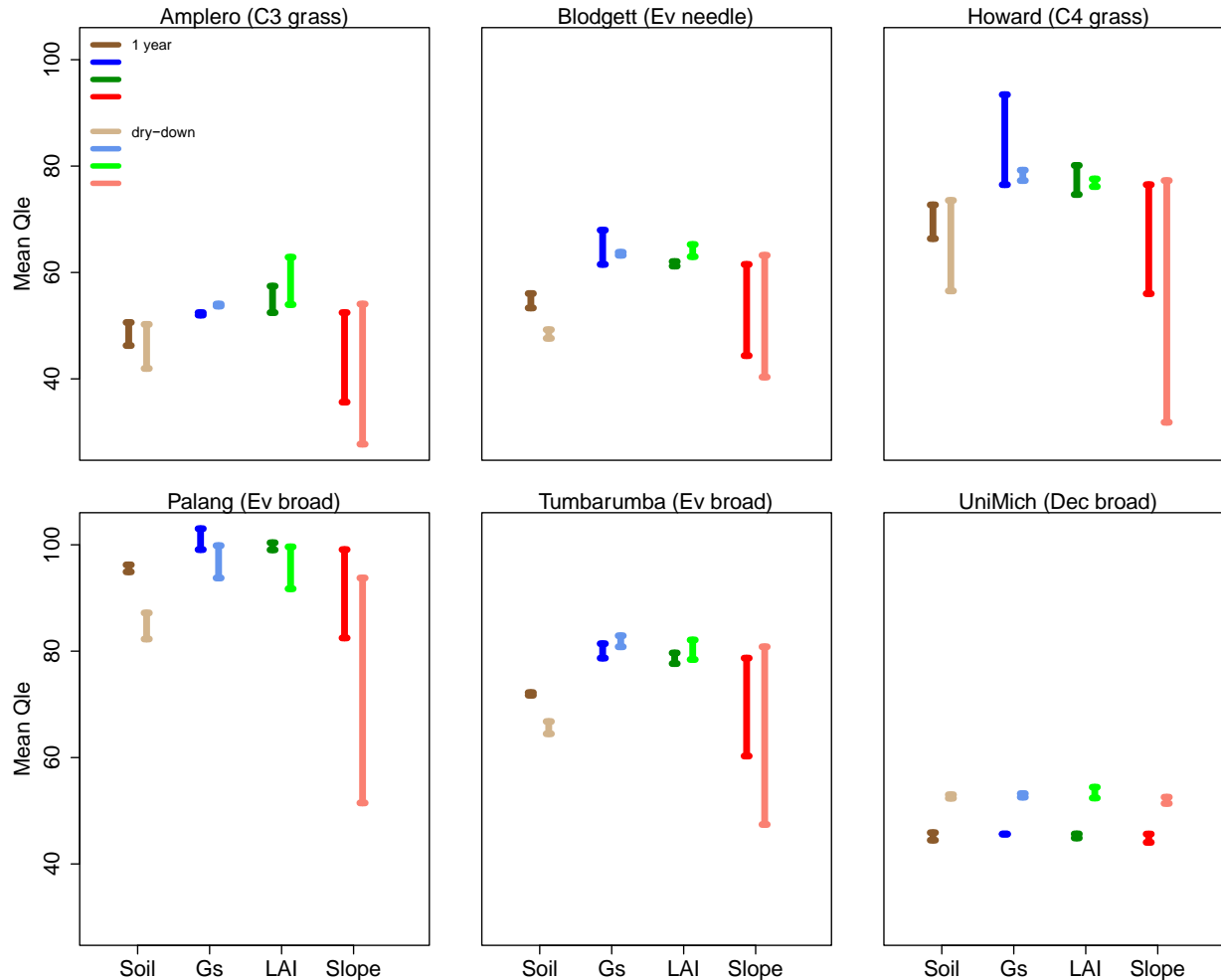




# Comparison to obs



# Effect of soil, gs, LAI and slope



# Some issues...

- Soil E peaks early

