

## Notice with regard to my internship report:

In the last days of August 2015 we suddenly found out that I have made a programming error in 4 of the 7 tests that I did on reducing the Bare Soil Evaporation in ORCHIDEE.

Type		Reference	Number
Resistance terms		Best et al, 2011	1
		Sellers et al, 1992	2
Using relative humidity		SiSPAT: Braud et al, 1995	3
Rootsink activation	Original ORCHIDEE	-	4
	Resistance terms	Best et al, 2011	5
		Sellers et al, 1992	6
	Using relative humidity	SiSPAT: Braud et al, 1995	7

Afterwards, I redid the same tests. However, there was no revised version of the report. So, while reading my internship report, one should have in mind that **tables 4-3 and 4-4** are **wrong**.

The corrected tables are brought below:

Table 4-3 Average observed and simulated latent heat flux in 10 chosen FLUXNET sites

Fluxnet station code		Average Latent Heat (W/m <sup>2</sup> )								
		Fluxnet observation	ORCHIDEE	Rootsink activation	Best et al. 2011	Best et al. 2011 + rootsink	Sellers et al. 1992	Sellers et al. 1992 + rootsink	SiSPAT	SiSPAT + rootsink
Temperate deciduous broadleaf forest	DK-Sor	31.3	55.7	55.9	38.8	40.9	28.5	31.1	55.7	55.8
	FR-Hes	25.9	68.4	68.7	54.9	56.5	43.4	46.6	68.4	68.6
	IT-Col	24.7	61.2	62.3	49.8	51.9	39.7	42.6	61.1	61.7
	US-WCr	27.6	47.8	48.4	42.2	43.6	32.6	34.8	47.7	48.2
Cropland C4	US-Ha1	32.6	63.8	64.5	56.9	58.5	44.1	46.9	63.7	64.3
	US-Ne1	49.7	44.6	45.0	43.6	43.9	40.1	40.6	44.6	44.7
	US-Bo1	46.7	47.7	47.0	47.9	46.8	40.1	42.1	47.7	47.5
Grassland C3	HU-Bug	35.9	37.2	37.6	36.8	37.3	33.3	36.2	37.2	37.2
	US-Fpe	23.8	23.8	23.9	23.7	23.9	23.7	23.8	23.8	23.8
	US-Var	22.9	34.4	34.7	33.8	34.5	32.4	34.0	34.4	34.5

Root mean square error of simulated vs observed latent heat flux in 10 chosen FLUXNET sites

Fluxnet station code		Root mean square error (simulation vs observed fluxnet latent heat)							
		ORCHIDEE	Rootsink activation	Best et al. 2011	Best et al. 2011 + rootsink	Sellers et al. 1992	Sellers et al. 1992 + rootsink	SiSPAT	SiSPAT + rootsink
Temperate deciduous broadleaf forest	DK-Sor	33.7	34.0	16.6	18.3	17.9	18.8	33.6	33.8
	FR-Hes	62.6	62.8	35.6	37.5	29.0	32.9	62.7	62.7
	IT-Col	43.5	44.8	34.3	36.9	29.4	32.8	43.4	44.1
	US-WCr	26.9	27.5	22.7	23.9	21.1	22.5	26.9	27.3
Cropland C4	US-Ha1	36.5	37.3	30.3	31.7	23.8	25.7	36.4	37.1
	US-Ne1	23.6	23.9	21.7	22.8	22.1	23.7	23.5	23.6
	US-Bo1	19.7	20.8	17.4	18.8	22.6	23.7	19.7	20.0
Grassland C3	HU-Bug	12.1	12.8	13.4	12.6	16.5	16.5	12.1	12.3
	US-Fpe	20.4	21.0	19.6	20.5	19.1	20.6	20.4	20.6
	US-Var	17.9	18.7	19.7	20.4	23.7	24.1	17.9	17.9