

1 *Supplementary material to:*

2 **Evaluation of the Plant Phenology Index (PPI), NDVI and EVI for start-of-season trend**  
 3 **analysis of the Northern Hemisphere boreal zone**

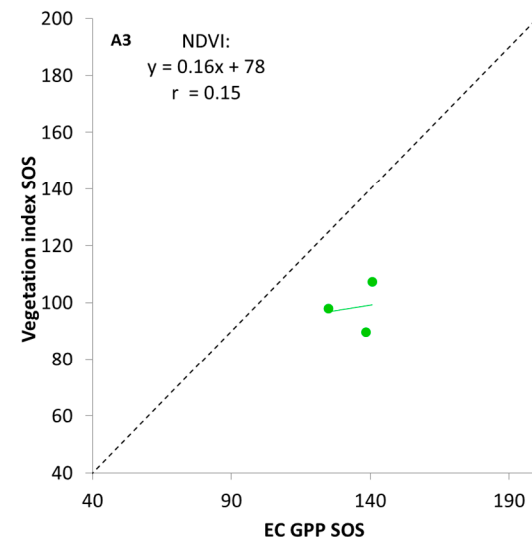
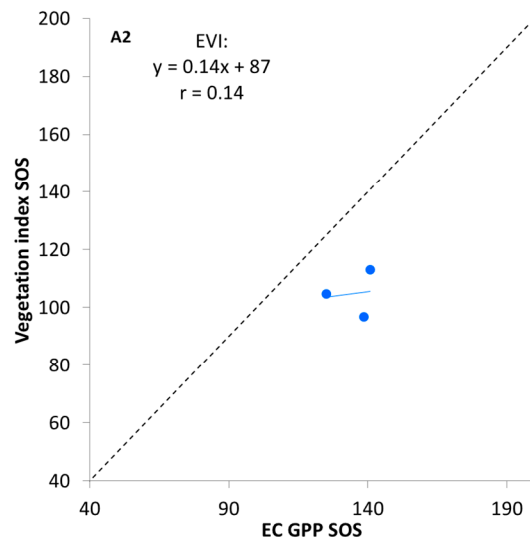
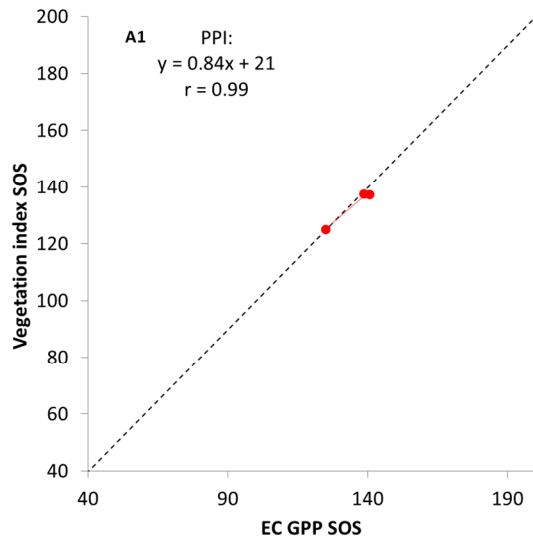
4 **Paulina Karkauskaite <sup>1</sup>, Torbern Tagesson <sup>2</sup> and Rasmus Fensholt <sup>2,\*</sup>**

5 **Table S1.** Descriptive statistics from the evaluation of vegetation index based start of season (SOS) against gross primary production (GPP) estimates of SOS for the different  
 6 land cover classes.

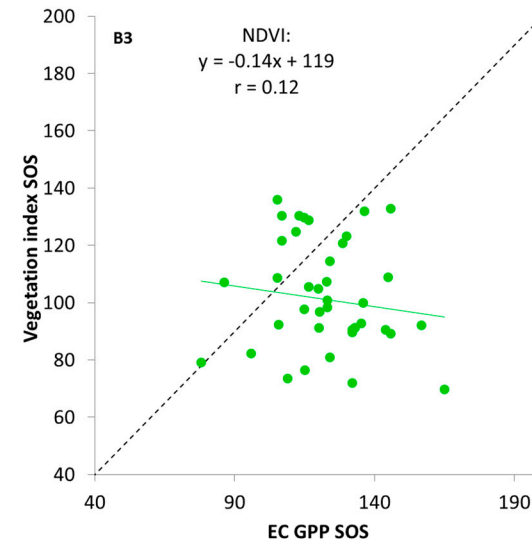
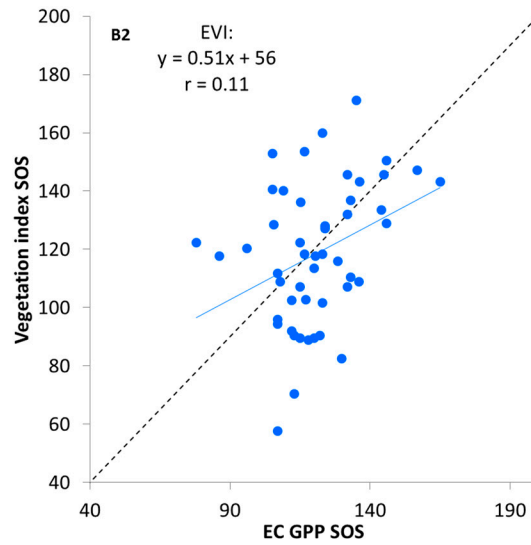
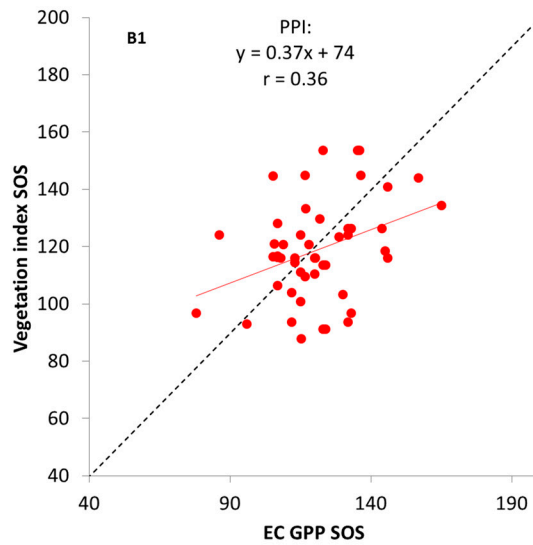
Land cover classes (LCC)	GPP			PPI			EVI			NDVI		
	Mean±S.D.	Max	Min	Mean±S.D.	Max	Min	Mean±S.D.	Max	Min	Mean±S.D.	Max	Min
Average all LCC (81)	128±21	181	78	126±18	162	88	116±25	171	29	99±21	145	37
Evergreen Needleleaf forest (49)	121±16	165	78	119±17	154	88	119±24	171	58	101±21	136	37
Deciduous Needleleaf forest (3)	135±9	141	125	133±7	138	125	105±8	113	97	98±9	107	90
Mixed forest (12)	129±15	149	96	132±7	144	124	131±8	153	122	87±18	113	54
Open shrublands (15)	144±26	181	86	142±14	162	116	95±25	130	29	96±18	130	72
Wetlands (2)	167±4	170	164	136±6	141	132	135±6	139	130	141±5	145	138

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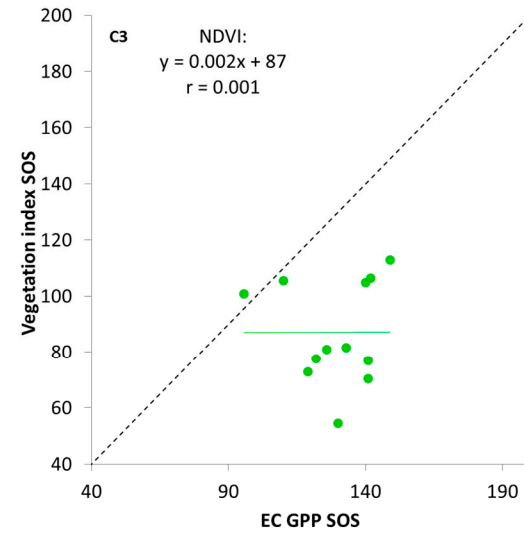
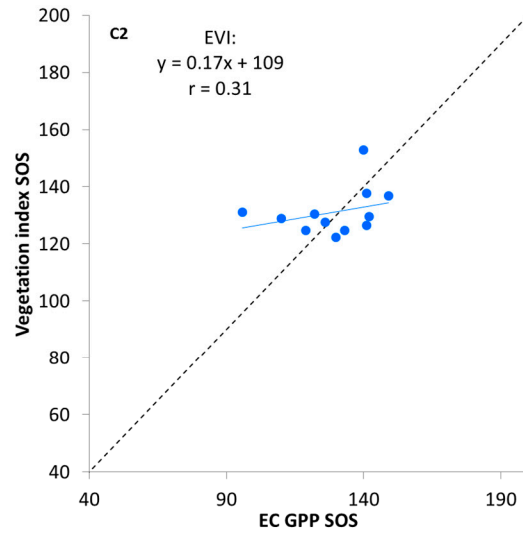
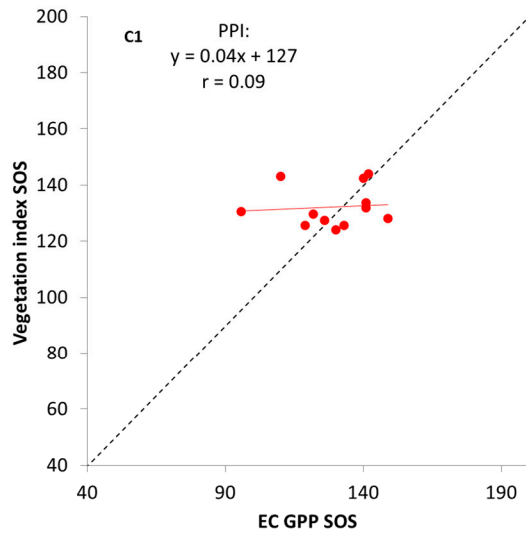


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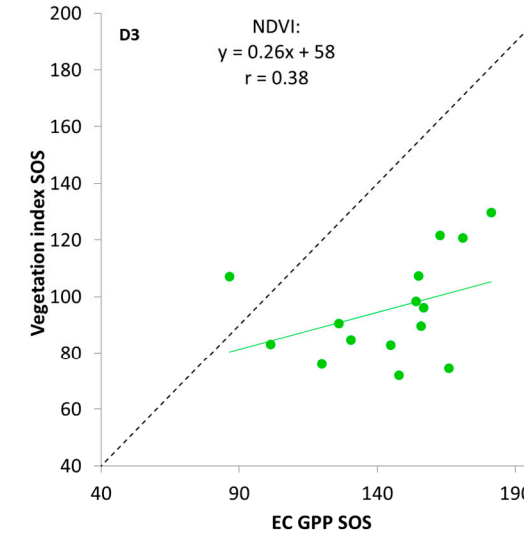
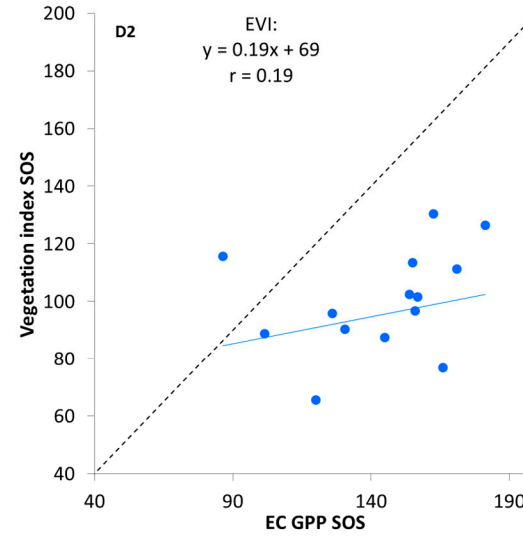
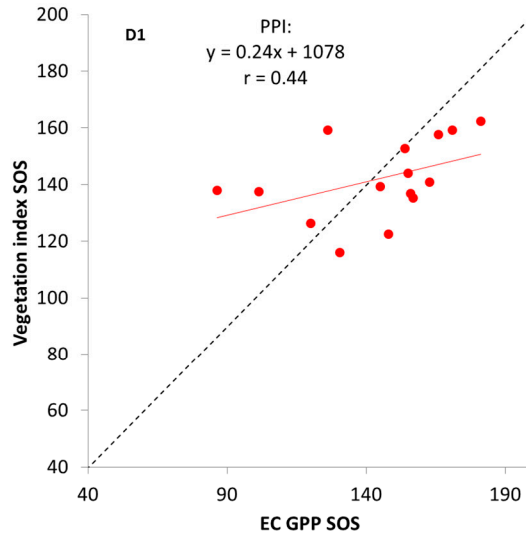


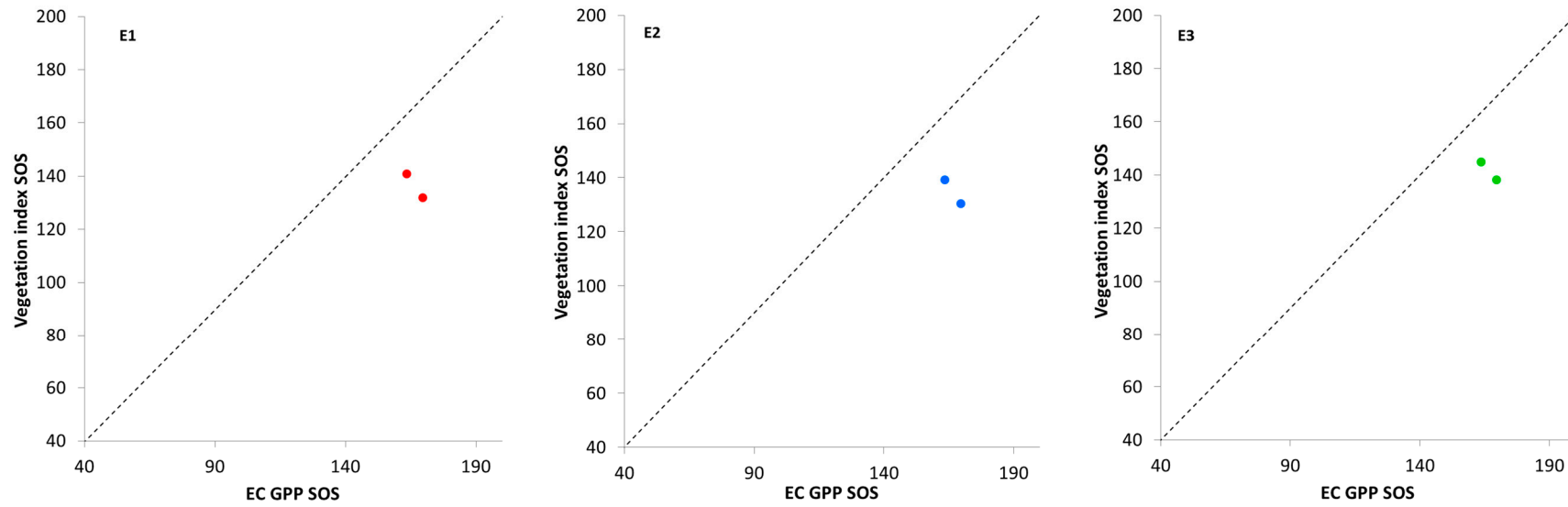
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**Figure S1.** Vegetation index start of season (SOS) evaluation against GPP SOS derived from flux tower data separated into its different land cover classes for (1) PPI; (2) EVI; and (3) NDVI. The different land cover classes are: (A) Deciduous needle leaf forest; (B) Evergreen needle leaf forest (ENF); (C) mixed forest (MF); (D) open shrubland (OSH); and (E) wetland (WET). Which exact sites and years that are included in the different subplots can be seen in Table A1.