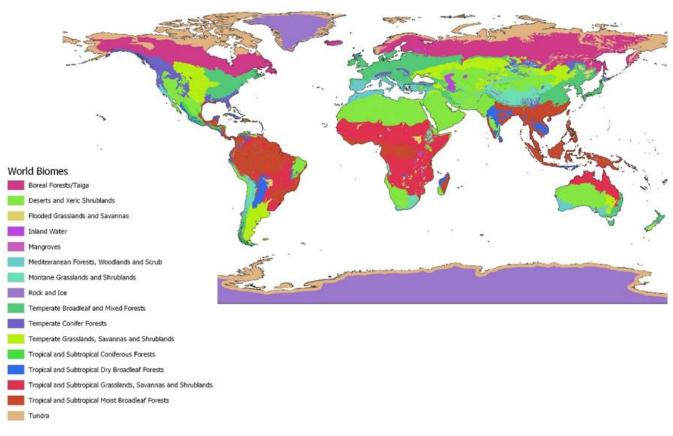
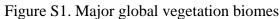
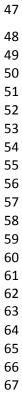
1	Supplementary Materials for
2 3 4	Investigating the response of LAI to droughts in southern African vegetation using observations and model-simulations.
5 6	Shakirudeen Lawal <sup>1</sup> Stephen Sitch <sup>2</sup> Danica Lombardozzi <sup>3</sup> Julia E.M.S. Nabel <sup>4</sup> Hao-Wei Wey <sup>4</sup> Pierre Friedlingstein <sup>5</sup> Hanqin Tian <sup>6</sup> Bruce Hewitson <sup>1</sup>
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19 20 21	*Corresponding author: lasd dr@yahoo.com
22 23 24 25	This PDF file includes: Figures S1 to S7
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## 45 Figures









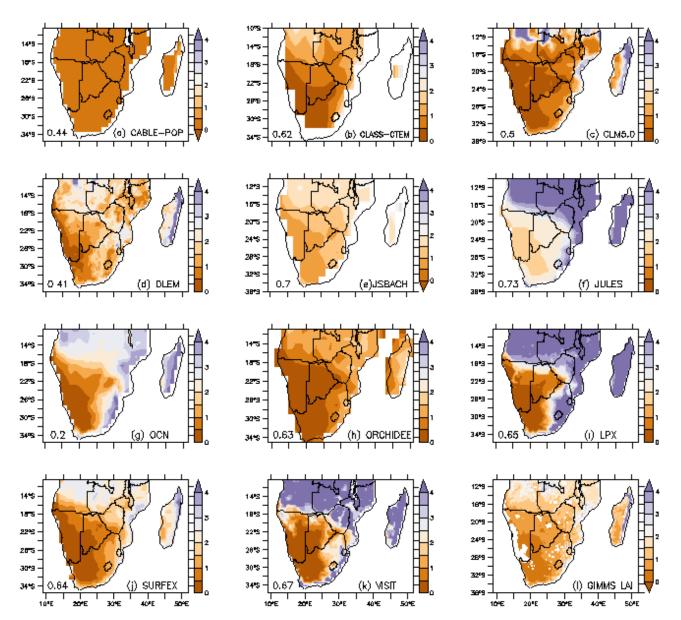




Figure S2. Spatial distribution of observed and simulated LAI over southern Africa; for the
 period 1982 – 2011. The spatial correlation values between models and GIMMS are indicated
 inside the panels.

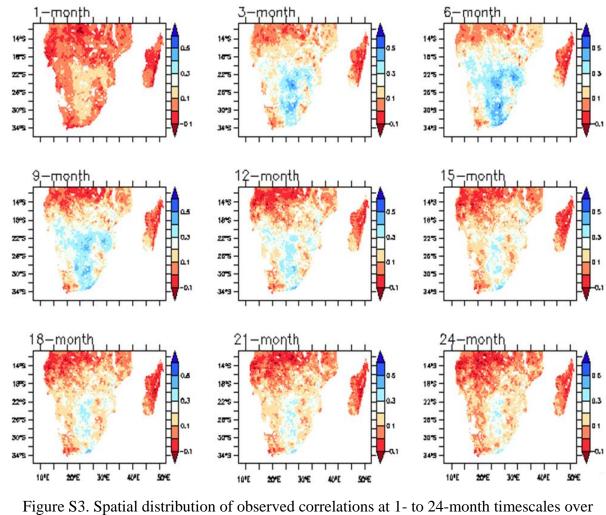
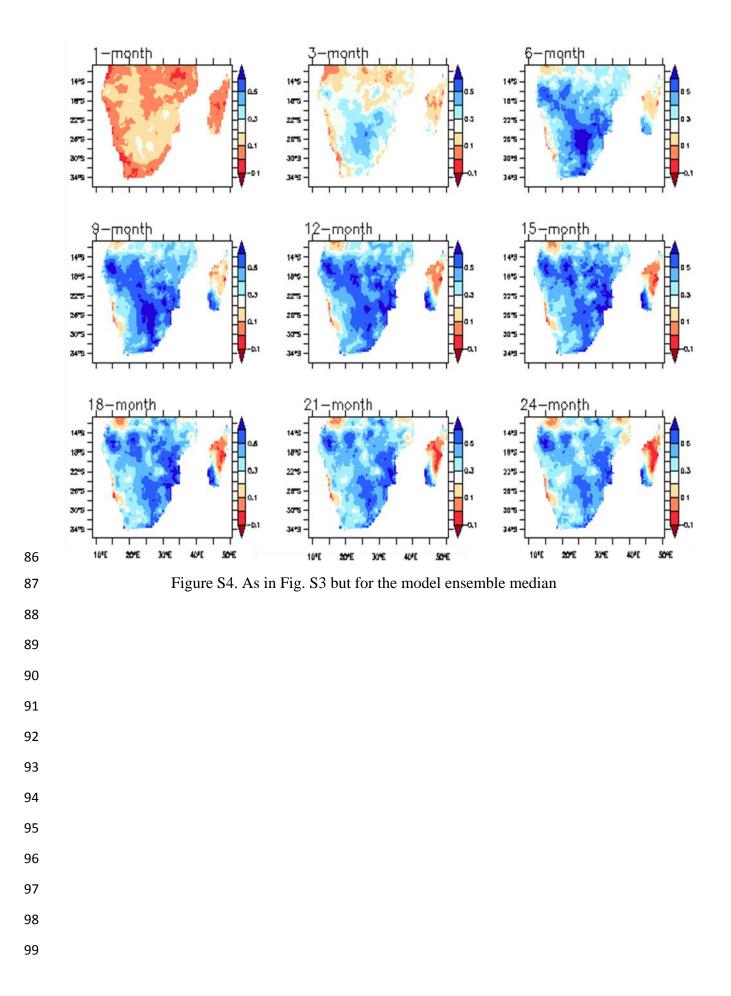


Figure S3. Spatial distribution of observed correlations at 1- to 24-month timescales southern Africa for the period 1982 - 2011.



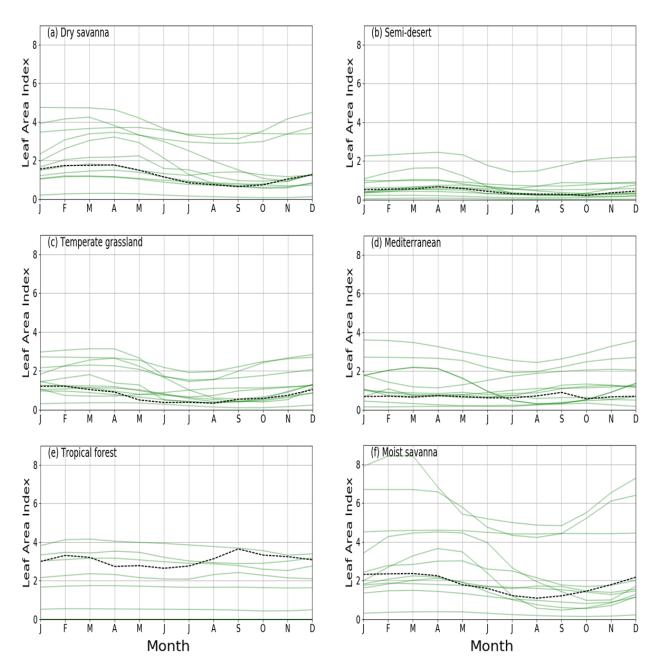




Figure S5. Annual cycle of LAI for observation and models (TRENDY) across six biomes over
 southern Africa for the period 1982 – 2011. The dash black line is observation while single
 light green lines represent each different models.

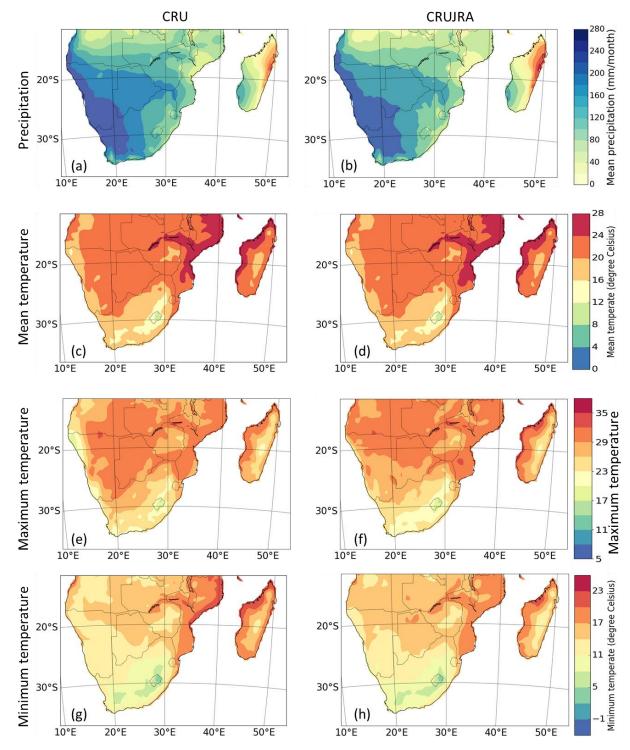


Figure S6. Spatial distribution of precipitation, mean temperature, maximum temperature and
 minimum temperature over southern Africa in CRU and CRUJRA; for the periods 1982 –
 2011.

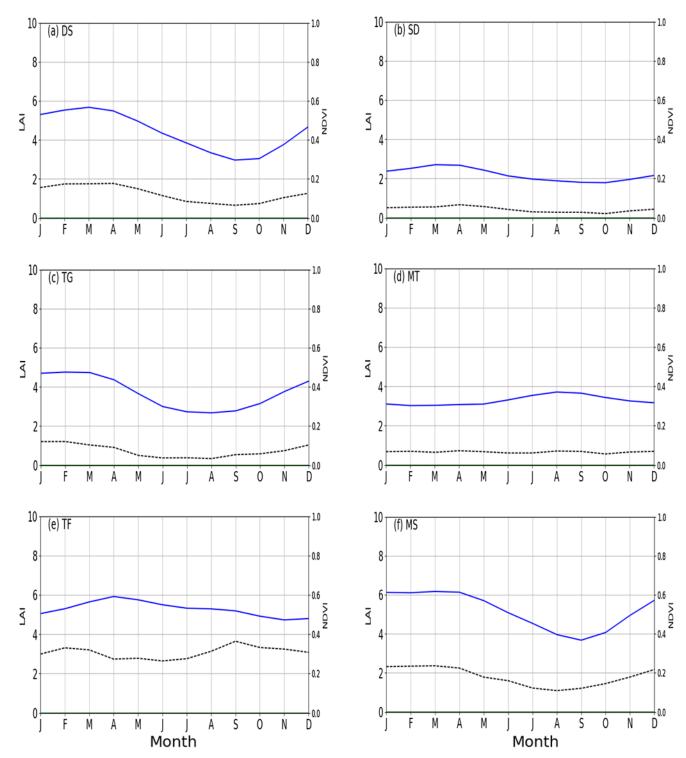


Figure S7. Annual cycle of observed LAI and NDVI across six biomes over southern Africa
for the period 1982 – 2011.