

1 Standardised benchmarks for LSMs	Blyth, Best et al.	<i>Bulletin of the American Meteorological Society</i>
2 New conceptualisations in the global N cycle	Cornell, Fisher, Johnson, [Sutton]	Review, <i>Global Change Biology</i>
3 The Rules of Fire	Harrison et al.	Commentary, <i>Nature</i>
4 Feasibility of bioenergy options for climate change mitigation	House et al.	<i>Nature</i>
5 Humans in Earth System Models	Cornell et al.	<i>Current Opinion in Environmental Sustainability</i>
6 Sign and magnitude of carbon cycle feedback	Friedlingstein, Prentice et al.	<i>Nature</i>
7 Nitrogen biogeochemistry in the context of a changing world (decreased oxygen, N ₂ O and CH ₄ increases - new trace gas parameterizations needed)	Johnson, QESM	
8 Comparative (future) impacts of the land and ocean in the effects of N on the carbon cycle (gaps - coastal zones)	Suntharalingam, Allen et al.	
9 Timescales of ecosystem responses - consistency between observations, models, palaeo record (and theory...)	Prentice, Harrison et al.	<i>Nature</i>
10 On the quantitative importance of different biogeochemical feedbacks	Friedlingstein et al.	<i>Nature</i>
11 Analysis of how nitrogen cycling constrains the carbon cycle (or doesn't?)	J Fisher et al.	<i>Nature Geoscience</i>
12 Integrated Earth System perspective on the Pinatubo eruption and its implications for climate sensitivity, the	Wild et al.	

methane cycle, and geoengineering		
13 Why UK soils are losing carbon (and it's not climate): review of the problem and recent findings	P Smith et al.?	
14 The causes of glacial-interglacial variations in atmospheric carbon dioxide	Ridgwell et al.	
15 The causes of variations in atmospheric methane linked to glacial-interglacial cycles and abrupt climate changes	Levine et al.	
16 Climate change and biodiversity: what we know, and the practical conservation implications	Dawson, House, Cornell, Foster, et al.	Progress article, <i>Nature</i>
17 Climate change and biodiversity: what we don't know, and what we need to know	McMahon et al.	Review, <i>Global Change Biology</i>
18 Fire as an Earth System process	Prentice	Review, <i>Nature</i>
19 The implications of climate change for food security	Cornell, Dawson, House etc.	
20 Beyond Prediction: global information needs for climate change adaptation and mitigation	Cornell, Knorr, Prentice	
21 The triangle: connections between ecosystem disturbances, management, and humans in ES modelling	Castillo, Cornell et al.?	Critical review, <i>Frontiers in Ecology and Evolution</i>