Supplement of

The strengthening relationship between Eurasian snow cover and December haze days in central North China after the mid-1990s

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Figure S1. The CC between SCES and September (a), October (b) and November (c) Arctic sea ice from 1979 to 1997 after detrending. The black dots indicate CC exceeding the 95% confidence level (t test).
Figure S2. The CC between SC$_{ES}$ and September (a), October (b) and November (c) Arctic sea ice from 1998 to 2016 after detrending. The black dots indicate CC exceeding the 95% confidence level (t test).
Figure S3. Diagram of the associated physical mechanisms. Near surface, the ON radiation (contour) and soil moisture (shade) were influenced by the SCES. On the mid-high level, the teleconnected Rossby wave-like pattern propagated into the Central North China, representing by Z500 (shade), stream function (contour) and wave activity flux (arrow). Finally, the local anti-cyclonic circulation near surface (arrow) led to weak ventilation conditions in December.