

## ***Interactive comment on “The regulation of the air: a hypothesis” by E. G. Nisbet et al.***

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Received and published: 8 November 2011

The comments and the reserves of D. Schwartzman are pertinent and very stimulating. Pertinent? All! But with the crucial exception of the pleasant second sentence. To continue the zoological image, the dog wags its tail but, generally, never eats it. In the case of atmosphere-geosphere, its feeding (carbon) as much of its “respiration” (exchanges of O<sub>2</sub> and CO<sub>2</sub>) is on the dominance of Rubisco. It is like the necessity of the dog to use its tail to collect its food and to agitate it to renew a polluted atmosphere and to refresh its temperature. In such a case, the evolution would give another form of the tail, easy to imagine. Same thing for Rubisco. How is it possible? Nisbet et al. give some good arguments by the way of the logic and of comparisons. That is another story to be written, with more concrete arguments (à suivre! to be continued!).

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Interactive comment on Solid Earth Discuss., 3, 769, 2011.