

## ***Interactive comment on “AnaWEGE: a weather generator based on analogues of atmospheric circulation” by P. Yiou***

**P. Yiou**

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I thank the referee for the references, which will be included in the revised manuscript.

I agree that the analogue weather generator (in the present formulation) works on the strong assumption of a stationary climate. If one wants to simulate a multidecadal sequence (rather than  $\sim N \times 10$  seasons in a stationary climate), then a layer of complexity has to be added, by, for example, adding a nonlinear trend computed from spline regression (see Parey et al., Validation of a stochastic temperature generator focusing on extremes and an example of use for climate change, Climate Research, in press, 2014). Hence, I emphasize that the presented weather generator is a brick that could be adapted to specific scientific questions (using other analogues, over a different period, other climate variables...). This will be clarified in the perspective section.

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The "extreme" examples were chosen because they epitomize extreme summer heat and winter cold. Those are cases that have the most societal impacts in Europe (at least for energy consumption, which was the rationale for developing this tool). This will be clarified in the introduction & results sections.

Pascal Yiou.

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Interactive comment on Geosci. Model Dev. Discuss., 6, 4745, 2013.

**GMDD**

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