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Comment

## ***Interactive comment on “Brief communication “Likelihood of societal preparedness for global change”” by R. M. Vogel et al.***

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Authors provide an interesting communication on the importance of statistical analysis in the “change” management. Precisely, the paper focuses on the role of statistical trend tests underlining the possible benefit to adopting the Type II error test. Authors emphasize this example to launch the message that the communication with the society is pivotal and this link should be facilitated using statistical tools.

The submitted document is well written and easy and pleasant to read. Just few typos are listed at the end of the review.

I totally agree with the Brief Communication. We need to accept this invitation and to try to translate statistical research results in favor of the society. Similarly to what

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happened in the past with the introduction of the Return Time concept (widely adopted also outside the scientific community), in the future it should be reached the same result with other statistical indexes.

I agree also with the Conclusions. However, I would suggest to further emphasize the point 3. Indeed, nowadays, there is still a confusion in the trend estimation procedures although this topic is particular sensitive. For instance, the presence of changing points and Hurst-Kolmogorov behavior in the time series is too often neglected, in favor of trivial approaches that, sometimes, magnify the presence of trend.

Probably, I am not the right person to evaluate this brief communication, since, as President of International Commission on Statistical Hydrology of International Association of Hydrological Sciences (ICSH-IAHS), this kind of messages is “music for my ears” since the activities of our Commission are proposed in the same direction.

#### Minor comments

Page 4- line 20. The year of Trenberth (2008) should be 2011.

Page 8 - line 1. “that” is repeated twice.

Page 10 - line 5. The references are not in alphabetic order (Nicholls N.)

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 1, 2013.

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