



## **The link between teleconnections and teleconnection patterns**

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Most previous studies have considered either teleconnections or teleconnection patterns. In this work an attempt to link the two is undertaken. A novel class of teleconnection patterns is presented, that are targeted to represent clusters of associated teleconnections, the so-called teleconnection clusters. These teleconnection clusters are build around the essential teleconnections, that are detected by means of a novel method.

The indistinguishability of the resulting teleconnection patterns is tested with the aid of the Monte-Carlo method. It turns out that different teleconnection clusters correspond to statistically indistinguishable teleconnection patterns. On the basis of these results an attempt to link teleconnection patterns to groups of teleconnection clusters is undertaken.