

Guía bibliográfica de teleconexiones del fenómeno ENSO (El Niño-Oscilación del Sur)

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El estudio de las teleconexiones ligadas al fenómeno ENSO, relaciones climáticas demostradas estadística y experimentalmente entre la cuenca pacífica y otras regiones del planeta, ha alcanzado una atención creciente durante los últimos quince años. La gran cantidad de artículos que han defendido la existencia de algunas de estas teleconexiones, algunos de ellos incluso explicando los mecanismos físicos que conducen a su desarrollo, aconseja tener un listado de referencia sobre los autores que las han tratado.

Partiendo de las principales teleconexiones contenidas en la literatura científica, se ha procedido a presentar los estudios que, ya sea mencionando la existencia de la teleconexión o desarrollando ampliamente el análisis de los mecanismos físicos que conducen a su aparición, han defendido la verosimilitud de dicha relación.

Las teleconexiones mostradas en esta guía son básicamente referidas a fenómenos climáticos, puesto que las alteraciones sobre los sistemas oceánico y atmosférico en la cuenca pacífica se trasladan a otras regiones en forma de anomalías climáticas. No obstante, parecía conveniente añadir alguna de las principales manifestaciones socioeconómicas y ecológicas que acompañan a esas variaciones, puesto que su repercusión es tan severa como la producida por las alteraciones climáticas, o incluso superior.

Las nuevas tecnologías de la información se han convertido en una nueva fuente bibliográfica que el científico debe utilizar y reflejar en sus estudios. Los habituales mecanismos de divulgación de los estudios científicos (libros, revistas, etc.), se ven hoy en día complementados por Internet, un sistema de comunicación rápido y eficaz que permite a cualquier autor mostrar los resultados de sus investigaciones en todo el mundo. Aquellos temas que han alcanzado su mayor desarrollo, en el último decenio, son los que más han utilizado este sistema, por lo que despreciar las informaciones que nos ofrece, muchas de ellas mostradas en la típica forma de artículo, con la estructura habitual de este tipo de publicaciones, es un error.

Teniendo en cuenta que el estudio de las teleconexiones del fenómeno ENSO ha crecido en importancia desde el intenso evento de 1982-83, y que los expertos en este tema han hecho uso sistemático de Internet como método de divulgación de sus estudios, ha sido inevitable incluir referencias obtenidas en este sistema, puesto que su exclusión habría

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supuesto reflejar un listado bibliográfico incompleto. La selección de los artículos disponibles en Internet intenta ser rigurosa, mostrando exclusivamente aquellos estudios que cuentan con el prestigio que le otorga la categoría del autor o de centro de investigación en el que está integrado, puesto que la universalidad de Internet permite encontrar todo tipo de referencias, algunas incluso realizadas por aficionados que recopilan informaciones para mostrarlas en la red. Su valor divulgativo es notable, pero científicamente no pueden ni deben ser incluidas en un listado bibliográfico bien fundamentado.

La bibliografía aquí presentada, actualizada hasta el primer semestre de 1996, ha ido creciendo en cuantía durante los últimos años, tanto en las revistas científicas de geografía, oceanografía, climatología o geofísica, como en la red informática de Internet, por lo que podrá ser completada en un futuro con nuevos listados complementarios, si cabe aún más exhaustivos que el aquí presentado.

La recopilación se ha efectuado con una estructura geográfica de grandes regiones continentales, mostrando las teleconexiones que tienen lugar dentro de cada subdivisión. Probablemente algún lector especializado encuentre a faltar alguna teleconexión hallada recientemente (por ejemplo, en Israel se ha detectado un aumento de precipitaciones coincidiendo con eventos ENSO); pero su no inclusión en este artículo se debe a la falta de un apoyo bibliográfico suficiente que permita contrastar su veracidad.

1. AMÉRICA LATINA

1.1. Sequía en el altiplano del sur de Perú y noroeste de Bolivia

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1.5. Reducción pluviométrica en Venezuela y Colombia

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