

## **Magnetic (~22 Years) And Gleissberg (80-90 Years) Signals In The Solar-terrestrial System**

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We compare the geo-effectivity of the solar activity in cycles 19 and 24, the strongest in the history of solar cycles and, respectively, the weakest in space age, and relate the variability of the ST environment on variations at the magnetic (~22-year) and Gleissberg (80-90-year) timescales as seen in long-term evolution of the system, based on geomagnetic indices and on reconstructed solar, heliospheric, and solar wind parameters. Additional information is extracted from geomagnetic data delivered by geomagnetic observatories and/or long-term geomagnetic main field models.