



# Measurement and correlation of light pollution and land cover changes

The footprint of human occupation is uniquely visible from space in the form of artificial night lighting!

**Light pollution** is an alteration of natural light levels in outdoor environment owing to artificial light sources.

The data are collected by the **United States Air Force Defense Meteorological Satellite Program (DMSP) ~1970's**

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“ Lights could be used as a proxy for some economic and social variables, especially in areas or times where data are weak or unavailable. ”

“ Artificial night lighting represents a direct threat to marine ecosystems and is an excellent proxy measure for indirect impacts such as human associated chronic water pollution ”

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