

Seasonality

Seasonality describes changes in the properties of an environment in response to cyclic or periodic changes in environmental conditions. For example, seasonal changes in the wavelength-dependent reflectance of a planetary surface or in its atmospheric composition as a function of the periodic variation in the distance to its star or the latitude of its subsolar point (e.g., Olson et al., 2018). Measurements of seasonality (and growth) are often applied to the search for evidence of life at planetary scales (e.g., exoplanets) by means of remote sensing methods.