

高分解能衛星画像を用いた地上到達紫外線分布図の作成とその利用 The Utilization and Creating of UV distribution map using a high resolution satellite image

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Recently, there has been a growing interest in environmental issues in the world. Japan Meteorological Agency publish the UV forecast distribution map. However, it cannot show clearly the situation of ultraviolet amount at local areas. Therefore, in this study, we proposed the method of creating localized ultraviolet distribution map using a high resolution satellite image and digital terrain model. This ultraviolet distribution map is in consideration of the state of the land cover and the shade by trees. Additionally questionnaire survey was conducted about the interest in ultraviolet and Evaluation of ultraviolet distribution map created in this study. As a result, it was indicated that ultraviolet distribution map is effective in promoting of ultraviolet protect.

キーワード：衛星画像、紫外線、土地利用分類図

Keywords: satellite image, Ultraviolet, Land cover classification