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위성데이터로부터 획득된 지형 특성을 고려한 한반도 풍력지도작성 연구

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Korean Wind Energy Mapping Using Topographical Characteristics From Satellite Data

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Key words : wind energy mapping(풍력지도작성), satellite data(위성데이터), topographical characteristics(지형특성)

Abstract : Topographic variation is a essential parameter to estimate wind energy amounts and its distribution. High accuracy topographic data has been measured from satellite using remote sensing technology and can be applied to assessment of wind energy resources. Shuttle Radar Topography Mission(SRTM) is the latest measurement of elevation data on a near-global scale. Korean wind energy resources were mapped by combining both of wind data obtained from atomatic weather system(AWS) for 5 years and SRTM data.

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