

عنوان مقاله:

(Analysis of Anthropogenic transformation in the Watershed (Case Study: Godar Kafeow Watershed, Kerman, Iran

محل انتشار:

سومین کنفرانس بین المللی و ششمین کنفرانس ملی صیانت از منابع طبیعی و محیط زیست (سال: 1401)

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نویسنده:

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خلاصه مقاله:

In the new Anthropocene, human has been evaluated as a global force transforming the terrestrial biosphere. Evaluation of anthropogenic transformation data plays a key role in the sustainability of global life-support ecosystems. The aim of this paper is to analyze anthropogenic transformation based on spatial pattern and temporal process, which includes the type, intensity and trend of human intervention. Studies on the type (land use), intensity and trend of human intervention were carried out with the support of satellite images and field observation. The methodology is heavily determined by the spatial resolution of the satellite imagery, the classification system used and the expert knowledge of the study area. Spatial patterns of intervention type (land use) were designed according to the dynamic model of land use, including function and activity. Functional phase where the four main types of land use including agricultural, rangeland, urban and water reservoirs, and the activities phase include ten types of land use. The intensity of human intervention was studied according to the type of intervention. The main criterion used for determining the degree of intervention intensity is the sensible vegetation components, so that the characteristics of the vegetation take into account the extent and intensity of human impact. In this way, for this study were implied six degrees of intensity of human intervention. The process of human intervention trend was defined based on the continuum of resulting from the interaction between natural dynamics (land cover) and economic and social dynamics (land use) in the environment. Studies have shown that land use change is closely related to biophysical agents. The intensity of intervention has changed from the range of biotic successions to technological replacement. Studies of the process of human intervention have shown that this process follows from the specific sequence of natural cover to .industry

کلمات کلیدی:

.Anthropogenic transformation, intervention trend, intensity of intervention, Land use function, Land use

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