

Study on the threshold space of water resources carrying capacity

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Abstract Based on the concept of sustainable development of water resources and the definition of threshold, the relationship between carrying capacity and threshold has been studied. The set theory is adopted in this paper; water resources carrying capacity is considered as a threshold set or space, which is composed of main factors such as water resources, the ecosystem, water environment, and social economy included in natural and social systems. The threshold space of water resources carrying capacity and its features are also discussed.

Key words water resources; carrying capacity; threshold space
