

生态工业园区生态效率评估方法研究及应用

芮俊伟,周贝贝,钱谊,孙靖

南京师范大学地理科学学院

Research and Application of Method for Evaluation of Eco-Efficiency of Eco-Industrial Parks (EIP)

RUI Jun-Wei, ZHOU Bei-Bei, QIAN Yi, SUN Jing

School of Geography Science, Nanjing Normal University

[摘要](#)

[参考文献](#)

[相关文章](#)

Download: [PDF \(888KB\)](#) [HTML 1KB](#) Export: [BibTeX](#) or [EndNote \(RIS\)](#) [Supporting Info](#)

摘要 生态效率兼顾经济效益和环境效益,是定量描述环境 and 经济系统相互关系的核心指标,是评价生态工业园发展水平的热点。借鉴生态足迹和生态效率的理论,依据生态足迹核算方法,建立了生态工业园区生态效率评价模型,并应用该模型对昆山高新区生态效率进行分析。结果显示,昆山高新区生态效率呈逐年上升趋势,限制其提高的主要因素是区内从业人员的生物资源需求以及电子信息行业和除三大主导行业以外的其他行业较低的生态效率。

关键词: 生态工业园 生态效率 生态足迹

Abstract: Eco-efficiency, as it takes into account both economic and environmental benefits, is a core indicator of quantitative description of relationships between environment and economic systems and a hotspot as well in appraising development of eco-industrial parks (EIP). Based on the theories of ecological footprint and eco-efficiency and the ecological footprint accounting methods available, a mathematic model was established for evaluating eco-efficiency of EIP and used to evaluation eco-efficiency of the Kunshan EIP. Results show that eco-efficiency of the Kunshan EIP has been improving slowly year by year and its main limiting factors are the demands of the practitioners in the park for biological resources and the poor eco-efficiencies of the electronic information industry and the other industries except for the three leading industries.

Keywords: eco-industrial park (EIP) eco-efficiency ecological footprint

Received 2012-11-15; published 2013-07-25

Corresponding Authors: 钱谊 南京师范大学地理科学学院 Email: njqiany@163.com

About author: 芮俊伟 (1988-), 男, 江苏溧阳人, 硕士生, 主要研究方向为环境影响评价。 E-mail: rjwrjw@163.com

引用本文:

芮俊伟, 周贝贝, 钱谊, 孙靖. 生态工业园区生态效率评估方法研究及应用[J] 生态与农村环境学报, 2013, V29(4): 466-470

RUI Jun-Wei, ZHOU Bei-Bei, QIAN Yi, SUN Jing. Research and Application of Method for Evaluation of Eco-Efficiency of Eco-Industrial Parks (EIP)[J] Journal of Ecology and Rural Environment, 2013, V29(4): 466-470

Service

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [Email Alert](#)
- ▶ [RSS](#)

作者相关文章

- ▶ [芮俊伟](#)
- ▶ [周贝贝](#)
- ▶ [钱谊](#)
- ▶ [孙靖](#)