

综合评述

自然生态系统响应气候变化的脆弱性评价研究进展

赵慧霞^{1,2}, 吴绍洪¹, 姜鲁光¹

¹中国科学院地理科学与资源研究所, 北京 100101;

²中国科学院研究生院, 北京 100039

收稿日期 2006-1-12 修回日期 2006-12-28 网络版发布日期 2007-3-21 接受日期

摘要 以气候变暖为标志的全球气候变化已引起各国政府、国际组织和科学工作者的高度重视. 气候变化给人类及自然生态系统带来的风险和危害日趋增大. 生态系统脆弱性分析和评价是适应和减缓气候变化的关键和基础, 已成为近年来气候变化领域和生态学领域的研究热点. 目前国内外学者正在不同领域、不同空间尺度上开展响应气候变化的脆弱性评价, 其中以自然生态系统为评价对象的脆弱性研究也有了长足的发展. 本文通过对脆弱性的概念、气候变化脆弱性评价研究现状、自然生态系统响应气候变化的脆弱性定量评价方法的综述, 探讨了该研究领域存在的问题和未来的发展前景.

关键词 [自然生态系统](#) [气候变化](#) [脆弱性评价](#) [研究进展](#)

分类号

Research advances in vulnerability assessment of natural ecosystem response to climate change

ZHAO Hui-xia^{1,2}, WU Shao-hong¹, JIANG Lu-guang¹

¹Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China;

²Graduate University of Chinese Academy of Sciences, Beijing 100039, China

Abstract

Climate change with global warming as the sign has been caught great attention by the governments, international organizations, and scientists in the world. Human society and natural ecosystem are both exposed to climate change, and more and more people are waked up by its increasing harm. Vulnerability analysis and assessment are the key and basis for adapting and mitigating climate change, being the highlight in the research fields of climate change and ecology in recent years. The vulnerability assessment of climate change is being carried out in various research fields and on different scales, and much progress has been made. This paper introduced the concept of vulnerability, and summarized the research progress in vulnerability assessment of climate change, with the focus on the frame and methodology of vulnerability assessment of natural ecosystem response to climate change. The existed problems and future prospects in this research area were also discussed.

Key words [natural ecosystem](#) [climate change](#) [vulnerability assessment](#) [research advances](#)

DOI:

通讯作者

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(754KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中 包含“自然生态系统”的相关文章](#)

▶ 本文作者相关文章

· [赵慧霞](#)

·

· [吴绍洪](#)

· [姜鲁光](#)