

## 美国 2013—2017 年北极研究计划

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中文摘要: 当前, 北极地区面临着越来越大的经济、环境和文化挑战, 成为科学研究的重点, 以更好地应对气候变化。为此, 美国跨部门北极研究政策联合委员会 (IARPC) 根据法了 2013—2017 年北极研究计划, 确定了今后 5 年北极研究重点, 力争美国在未来保持北极研究的领先地位。该计划重点围绕以下 7 个研究领域, 分别是: 海冰与海洋生态系统冰与生态系统研究、地表热量、能量以及质量平衡的大气研究、观测系统研究、区域气候模型研究、区域可持续发展的气候适应工具研究、人类健康研究等。

中文关键词: 美国; 北极; 北极研究计划; 海洋生态系统; 气候反馈

## The U.S. Arctic Research Plan: FY 2013 - 2017

Abstract: The Arctic region that is facing growing economic, environmental, and cultural challenges has become a critical target for research as scientists understand the feedback mechanisms influencing global climate. To address these challenges and opportunities, and as required by 15 U.S.C. § 4108, the U.S. Interagency Arctic Research Policy Committee (IARPC)—representing 13 Federal agencies, departments, and offices—has crafted this FY 2013 - 2017 Arctic Research Plan. The plan provides a blueprint for effective Federal coordination of Arctic research for the next half-decade and positions the United States to remain global leader in Arctic stewardship for many years to come. This national policy for Arctic research consists of seven overlapping research areas: sea ice and marine ecosystems, terrestrial ice and ecosystems, atmospheric studies of surface heat, energy, and mass balances, observing systems, regional climate models adaptation tools for sustaining communities, as well as human health.

keywords: US; Arctic region; Arctic Research Plan; marine ecosystem; climate feedback

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