

Research Group of Ecosystem Services, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences

The group conducted long-term and systematic researches on the formation and interaction mechanism, assessment methods and their policy application of ecosystem services. The research methods linking ecological processes and ecosystem services were established; the interaction mechanisms of different kinds of ecosystem services were clarified; the qualitative assessment methods and trade-off analysis system of ecosystem services were developed. The group conducted the national ecosystem service regionalization and ecosystem service assessment for the first time and identified the important Ecological Function Conservation Areas for national ecological security safeguarding, which supported the design and implementation of national key ecological conservation and restoration policies. The research group pushed the ecosystem service research in China to the global frontier and made a significant contribution in scientific innovation and supporting national ecological conservation in China.

Outstanding contributors of this research group

Fu Bojie

As the leader and organizer of the research group, he developed the new research field of linking ecological processes with ecosystem services, and established the trade-off analysis method and integrated assessment system of ecosystem services.

Ouyang Zhiyun

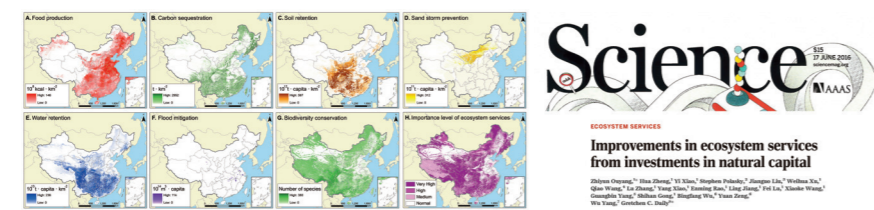
He established the theories and methods on ecosystem service regionalization, conducted national ecosystem service regionalization and identified the spatial pattern of ecosystem services at national scale.

Zheng Hua

He established the assessment method integrating the providers and beneficiaries of ecosystem services and their livelihood strategies.



首次开展“全国生态功能区划”并应用于国家生态转移支付范围确定
“National ecosystem service regionalization” and its application in scope identification for national ecological transfer payment



全国生态系统服务评估及其政策应用
National ecosystem service assessment and its policy application in national ecological redline designation



傅伯杰院士2013年受邀在伦敦召开的第11届国际生态学会大会作特邀报告
Professor Fu Bojie gives a plenary speech in the 11th INTECOL congress in London in 2013

生态系统服务研究集体

推荐单位：中国科学院生态环境研究中心

研究集体主要科技贡献：

该研究集体围绕生态系统服务机理、评估方法与政策应用开展了长期系统的研究，提出了链接生态系统过程与服务的研究方法，揭示了不同类型生态系统服务相互作用机理；建立了生态系统服务定量评估方法与权衡分析系统；首次开展了全国生态功能区划和生态系统服务评价，明确了对国家生态安全保障具有重要意义的生态功能区，支撑了国家重大生态保护与恢复政策的制定和实施。把我国生态系统服务研究推进到国际前沿水平，在科学创新和支撑国家生态保护重大需求方面做出了突出贡献。

研究集体突出贡献者



傅伯杰 Fu Bojie

傅伯杰 中国科学院生态环境研究中心

主要科技贡献：集体的组织者和领导者。开辟生态系统过程与服务研究新方向，建立生态系统服务权衡分析方法与综合评估系统。



欧阳志云 Ouyang Zhiyun

欧阳志云 中国科学院生态环境研究中心

主要科技贡献：提出生态功能区划理论和方法，并主持完成全国生态功能区划，揭示了全国生态系统服务空间格局特征。



郑华 Zheng Hua

郑华 中国科学院生态环境研究中心

主要科技贡献：建立了整合生态系统服务供需主体及其生计策略的评估方法。

研究集体主要完成者

吕一河 王效科 王帅 肖 焱 刘国华 徐卫华 冯晓明
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卫 伟 肖 洋 江 凌



开辟生态系统过程与服务研究新方向
Linking ecological processes with ecosystem services