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基于多级视角模型的风能产业对比研究

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The comparative analysis on wind energy industry based on the multi-level perspective theory

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摘要 基于多级视角理论模型,结合行动者—网络的视角对比了中国、丹麦和德国的风能产业系统的演化,以此探究从风能大国向风能强国的动力和机制。多案例的对比研究促进了多级视角理论的发展,分析表明,发达国家和发展中国家产业的多级视角模型有较大差异:前者起步于利基市场的突破性技术创新;后者起步于技术的引进、消化和吸收,因而系统的演化路径也不尽相同。结论显示,管理体制直接影响产业发展模式和技术创新方式;技术创新、市场需求和制度建设是否协同是影响三个国家产业竞争力差异的关键,因此促进多主体的广泛参与、鼓励多样化的技术创新显得尤为重要。

关键词: [多级视角模型](#) [行动者-网络](#) [比较分析](#) [风能产业](#)

Abstract: Based on Multi-Level Perspective (MLP) theory and the actor-network perspective, the evolutionary of Denmark, German, and China's wind energy industries is analyzed in order to explore the mechanism of the industry competitiveness. Multi-case comparative studies stimulate the development of MLP theory. The analysis indicates that the MLP models for developed and developing countries are quite different: the former starts from the disruptive innovation in niche market; while the later starts from the introduction, digestion, and absorptive of the existing technologies, thus the evolutionary path of industry is also not the same. It is concluded that the management system directly affects the technological innovation and industrial development modes; the co-evolutionary of technology, market, and institution is the key element affecting the competitiveness difference of these three countries' industries. Therefore, it is quite important to promote the widest participation of multi-agent and the diversity of technology innovation.

Keywords: [MLP theory](#) [actor-network](#) [comparative analysis](#) [wind energy industry](#)

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