



2nd International Conference on Management and Economics

London, United Kingdom

26 - 28 September 2025

Research on Political Ecology, Government Innovation Subsidies and Dual Innovation

Dongfang Qiu¹, Mengting Yao², Nurbo Wulipan³

*School of Economics and Management/Nanjing University of Aeronautics and Astronautics,
China*

Abstract

Improving the innovation ability of enterprises is the key to the high-quality development of China's economy. Taking 568 high-tech listed companies in Shanghai and Shenzhen A-shares from 2018 to 2021 as samples, this paper discusses the influence of government innovation subsidies on exploratory innovation and development innovation of enterprises, as well as the regulatory role of political ecology. The results show that government innovation subsidies have a significant positive impact on dual technological innovation, and the incentive effect on exploratory innovation is stronger; Political ecology positively regulates the relationship between government subsidies and dual technological innovation, and the promotion of anti-corruption strengthens this positive correlation; Heterogeneity analysis shows that government subsidies play a more significant role in promoting innovation of state-owned enterprises. The research provides a theoretical basis for optimizing the government's innovation subsidy policy and strengthening the political ecological construction.

Keywords: Government Innovation Subsidy, Dual Technological Innovation, Political Ecology, Anti-corruption