

The STPs' Roles in Green Growth of China: Based on the Public-University-Industry Triple Helix for Sustainable Development

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Abstract :

The public- university- government triple helix for sustainable development has been proposed for completing the triple helix innovation model, through introducing a missing element (public) into the model while retaining the balance between economic growth and eco-system development (Etzkowitz & Zhou, 2006). Its theme lies in that a triple helix must be built in order to achieve sustainable development (green growth). The triple helix should embody a couple of objectives of the innovation for economic growth and sustainable development. Based on the triple helix model, the future roles and influences of science and technology parks (STPs) on green growth are explored in this investigation in China, which now is releasing about 5 billion tons of CO₂ a year as GDP keeps over 8% growth rate.

Key words:

science and technology park (STP), green growth in China, the triple helix model for sustainable development