Chapter 5

Conclusion

This research discusses how China addresses its environmental problems in Tianjin through the development of the Sino-Singapore Tianjin Eco-city (SSTEC). Unlike the traditional approach of limiting or stopping urbanization and development as an attempt to tackle environmental issues, China finds a way to address their environmental problems without wavering from its urbanization interests.

To elaborate the answer to the question of ‘how does China addresses its environmental challenges in Tianjin through the Sino-Singapore Tianjin Eco-city (SSTEC)’, there are two main points to make. First, China cooperated with Singapore to make up for its shortcomings. The Chinese government had identified the setbacks faced by China in addressing environmental issues: lack of expertise, knowledge and funding. They perceived Singapore as the ideal actor to guide them in the road of sustainability. Singapore’s reputation and achievement in sustainable development persuaded China into choosing them for the agreement.

Second, both China and Singapore established a set of standards in the form of key performance indicators (KPIs) to ensure the SSTEC agreement was carried out effectively and addressed the environmental problems faced by China. The previous chapter elaborated which KPIs addresses which problems. That chapter also uses the SWOT matrix to analyze the success of the SSTEC agreement in addressing Tianjin’s environmental concerns. The SWOT analysis showed how the
SSTEC is too small in size to address all of Tianjin’s environmental concerns. The standards and KPIs are only applicable to SSTEC, though some are adhering to the national standard (and some adhering to international standards), and thus, will only affect to the surrounding areas of SSTEC and not all of Tianjin.

However, since this agreement is still under development—its completion is set in 2020, it is still inconclusive whether it’s effective in the long run. And while SSTEC aims to be a ‘role-model’ for future eco-cities, its success still remains unknown. There are doubts circulating around the success of the eco-city, from the population number that has yet to reach its target (as most of the residential units are being bought by investors for property investment instead of personal use). There is no information to indicate how the numbers are calculated. If they are based on the number of registered households sold, then it might not be accurate as the calculation will include people who purchase the living space for its land value. It’s difficult to determine the population exactly, and whether the speed growth of the population is symmetrical to the numbers reported.

Therefore, while the KPIs are developed and established to exactly address the environmental problems in Tianjin and ensure sustainability to be implemented in the city, it’s still inconclusive whether it’s effective in the long run. Furthermore, the SWOT analysis had shown how the KPIs of SSTEC failed in addressing all of Tianjin’s environmental concerns due to the KPIs being only applicable to SSTEC and not all of Tianjin.
Bibliography


Appendix