

永續性住宅社區發展評價之初探－以新竹科技人員社區為例

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摘要

Sustainable development is not only the globally common issue today but also the paragon which people are looking for in their lives. Its goal is for human beings' natural welfare, social-economic, and environmental developments. Therefore, we can effectively upgrade the quality of aggregate living. In Taiwan, the environment of aggregate living has changed from agriculture, industry, business to technology-oriented society gradually. The progress of human civilization should rely on technological innovation and the ability to collaborate. In addition, development of science and technology converts some traditional culture phenomena, such as the interaction and sense of ownership between those inhabitants in the community into not only the emphasis on secrecy and safety but also the alienation of interpersonal relation. Meanwhile, it includes the challenges of facing those new advances in the society culture, and environmental ecology so that it leads to variety and complication. So thinking and seeking for technological developments, we should also maintain sustainable development and social culture to build up a sustainable community that meets the quality of aggregate living. To build up a sustainable community, we consider the properties of the existing social culture, living environment, business activities, political atmosphere, and the problems or bottlenecks they have brought about. In order to solve and deal with these problems effectively. It is necessary to set up some objective Evaluation models and indicators which we can follow and make use of as effective guidance to improve the whole object. Thus, this research refers to the studied results and literature in the related research fields. It puts emphasis on discussion about some keys (such as social society, natural society, living quality, and space utilizing) to build up the complete Evaluation models. For objectivity and feasibility. Fuzzy Delphi Method is used to find out the essential impact

factors. We can further work through Analytic Network Process to make clear the potential inter-dependence which exists in the Evaluation models. In the example part, we analyze representative case regarding living communities of technological staff. These research results will provide an objective quantitative tools as well as an important foundation guide, to the estimation strategies for the sustainable development of the living community Hsin-Chu.

關鍵字：Sustainable Community；Evaluation models；Analytic Network Process