

Swarm Planning: The Development of a Planning Methodology to Deal with Climate Adaptation



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Reviews

A superior quality book and also the font employed was fascinating to learn. I could possibly comprehend almost everything using this created e publication. You wont sense monotony at at any time of your respective time (that's what catalogs are for about should you ask me).

(Lucile Morissette)

SWARM PLANNING: THE DEVELOPMENT OF A PLANNING METHODOLOGY TO DEAL WITH CLIMATE ADAPTATION



Springer, Netherlands, 2016. Paperback. Book Condition: New. 235 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.This book shows that the problem of climate adaptation, which is described in social planning terms as wicked, is at odds with the contemporary practice of spatial planning. The author proposes a new adjusted framework which is more adaptable to unpredictable, wicked, dynamic and non-linear processes. The inspiration for this new method is the behaviour of swarms: bees, ants, birds and fish are capable of self-organization, which enables the system to become less vulnerable to sudden environmental changes. The framework proposed in Swarm Planning consists of these four elements: Two levels of complexity, the first being the whole system and the second its individual components. Each of these has different attributes for adapting to change. Five layers, consisting of networks, focal points, unplanned space, natural resources and emerging occupation patterns. Each layer has its own spatial dynamic, and each is connected to a spatial scale. Non-linear processes, which emerge in different parts of the framework and include emerging patterns, connectedness and tipping points among others. Two planning processes; the first, from small to large works upward from the slowest changing elements to more rapidly-changing ones. The second, on the list of partners addresses each layer from networks through emerging occupation patterns. Swarm Planning applies this framework to a series of pilot studies, and appraises its performance using criteria for an adaptive landscape. The results show that the use of the Swarm Planning Framework reduces the vulnerability of landscapes as well as the impact of climate hazards and disasters, improves response to unexpected hazards and contains adaptation strategies. This book is a must for planners in government and the private sector as it outlines the concept, strategies and techniques for...



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