

Preface

Why Another Book on Emergency Management?

Recent years have witnessed all kinds of emergencies occurring frequently, which seriously affected the society's safety and people's life. How to improve the emergency response ability has become a hot issue all over the world. Therefore, it is a critical requirement for the society development that organizes social resources to effectively prevent and control the occurrence or spreading of all types of emergencies, as well as pay attention to scientific research on emergency management.

From the perspective of generalized emergency management, the book ***Modern Emergency Management*** advocates the methodology of both qualitative and quantitative analyses, static and dynamic research, multidisciplinary analysis theory. In order to perform an overall presentation of important basic knowledge and science system in the humanitarian operation field, the entire modern emergency management system is divided into two parts: Fundamentals of Emergency Management and Emergency Management Methodology. We especially put emphasis on the interaction of interdisciplinary subjects such as emergency management, risk management, coordination management, crisis management, and disaster management. By applying these effective methods from relevant theories into emergency management, it can help to enhance the awareness of emergency decision-making processes and to accelerate the comprehensive implementation of emergency management. It also plays an important role in helping readers understand the academic frontier, and developing the creative thinking.

The Structure of the Book

The main contents of the book are as follows:

Part I is Fundamentals of Emergency Management, which is composed of Chaps. 1–3. In this part, the basic concepts, the entire structure of the emergency

management system, and the essential principles of emergency management are elaborated. Among them, the whole framework of the emergency management requires the systems, mechanisms, as well as the legal system as a guarantee. And the essential principles of emergency management involve the construction of emergency management system and the implementation of emergency management strategies.

Part II is Emergency Management Methodology, which is composed of Chaps. 4–7. This part introduces some interdisciplinary methods that can be applied in emergency management field. For example, the theoretical thoughts from Risk Management, Coordination Management, Crisis Management, and Disaster Management can be effectively applied to the entire emergency management process. It may take a positive effect on promoting the implementation of emergency management.

The Purpose and Application of the Book

The book *Modern Emergency Management* can be used as a textbook for undergraduates or graduates from management disciplines of colleges and universities, especially in the field of management science and engineering, administration and public management. It can also be a reference book for government and enterprises staffs to gain knowledge of the emergency management field.

The publication of *Modern Emergency Management* is attempted to universally popularize emergency management knowledge system, heighten the social awareness of emergency management, and promote the interdisciplinary development. It is anticipated that it would have good social benefits in the knowledge dissemination and play an indirect role in improving economic benefits by reducing emergency loss. In addition, taking the application of emergency management theories in meteorological industry as an example, this book also provides a reference for the rational application of scientific management methods in various professional fields.

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