



***New Emergency
Management in a Resilience
Era Facing Health, Climate
and Energy Challenges***

6th to 10th December 2021

**Emergency & disaster
management**

Prof. Abbas Abushama Abdulmahmoud

Introduction

- 1- Definition
- 2- Difficulty in generalization to all situations
- 3- Shortage of practical and environmental management
- 4- Unexpected event where there is aid shortage at the needed time
- 5- Political misunderstanding under the situation
- 6- Administrative problems



3 main stages of management:

- 1- preparation**
- 2- Response**
- 3- Recovery**



Characteristic of emergency and crises:

- 1- Collective stress**
- 2- Scope of impact**
- 3- Effect of duration**
- 4- Surprise- unexpected**
- 5- Emergency**
- 6- Common theme**
- 7- Speed of event**
- 8- Shortage of information**



Preparation

- 1- Planning; assessment of situation**
- 2- Flexibility of the plan, plan A, plan B**
- 3- Hazards and risks assessment**
- 4- Precipitation**
- 5- Logistics**



Plan to manage :

- 1- Good and clear**
- 2- Need estimation**
- 3- Prioritization of work**
- 4- Plan should be flexible**
- 5- Risk and hazards assessment**
- 6- Support agencies**
- 7- Leadership**
- 8- Intervention plan**
- 9- Rescue plan**
- 10- Communication plan**
- 11- Collection of information at the scene**
- 12- Expectation-health problems**
- 13- International help if needed**
- 14- Mock drills**
- 15-Brain storming**



Response:

- 1- Operation room**
- 2- Matrix system**
- 3- flexibility of response according to the situation**
- 4- use of modern communication system**
- 5- Use of modern technology**
- 6- Remote control system**
- 7- Search and resuscitation – Robots**
- 8- Specialized teams for logistics- hazards**
- 9- Thermal imaging camera, smart sprays, smart suits**
- 10-Disaster medicine system - medical management for emergency cases at the scene. First aid transportation of cases needed to be available.**
- 11-Fema (FEMA)experience**
- 12-6 scenarios in international commercial towers failed**
- 13-Less human intervention but technology modern equipment**
- 14-Satellite technology to be used**



Recovery:

- 1- Normalization of situation**
- 2- Services are back- electricity, water**
- 3- Normalization of scene event**
- 4- Injured persons to be looked after medically**
- 5- Life to go normal as soon as possible- assessment of damage if anything happened.**
- 6- Lessons to be learned from situations for future action**



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References

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