



# ***Developing a Three Period Strategy to Face a Global Threat: A Preliminary Analysis***

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# *Scheme of Presentation*

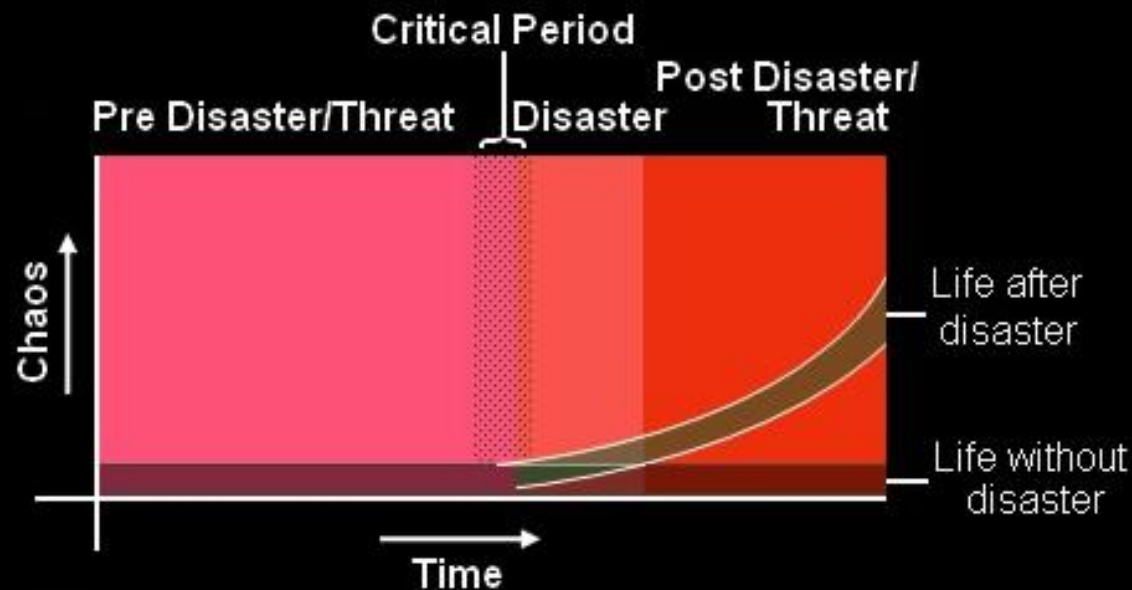
- Introduction
- Three Period Strategy
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- The Global Organization
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- Conclusion and the Way Forward

# Introduction

- 8<sup>th</sup> October 2005 Pakistan Earthquake
- Boxing Day Tsunami (26 Dec 2004)
- Katrina (August 2005)
- State of unreadiness of the global community for such disasters

# The Three Period Strategy

- A stepped approach to tackle the global threat/disaster scenario
- Develop strategies and methods to be applied during each period
- The Three Period Strategy:
  - ◆ **Period 1: Pre Disaster**
  - ◆ **Period 2: Disaster**
  - ◆ **Period 3: Post Disaster**



# Period 1: Pre-Disaster

- Carefully Looking into the Need for and, Modality and Function of a **Global Organization**;
- Threat Categorization;
- Threat Deflection;
- Information Dissemination Strategy;
- Training and Preparedness;
- National and International Policies;
- Space Settlement; and
- Commercialization.

# Period 1: Pre-Disaster cont...

- Global Organization (discussed later)
- Information Dissemination Strategy
  - ◆ Recall the effect of “War of the World” radio broadcast back in 1938 in New York
  - ◆ Michelangelo Virus (6 March 1992)
  - ◆ Y2K Bug
  - ◆ Information needs to be released in a sensible and timely manner

# Information Dissemination

## Strategy

Years to Impact	Information Dissemination Strategy
~ to 10	Circulate information to related people; Make no attempt either to spread or limit it; and Efforts are coordinated at international level to neutralize the threat
10 to 5	Bring broader research community into the discussion to help further refine the deflection technique
5 to 2	Information is purposely released to the public with an effort to make sure it does not turn into a hysteria
2 to 0	Information is let to spread on its own pace

# *Period 2: Disaster*

- Timeline for a disaster
  - ◆ When a disaster starts and when it stops
- Countries would need to work together without any bias
- An international organization coordinates all the efforts

# Period 3: Post-Disaster

- The key questions here would be:
  - ◆ How will the civilization re-start?
  - ◆ Who will coordinate?
  - ◆ Who will have the ultimate power?
- We might need to re-develop an entire nation
- An international organization should be prepared and ready for such activity
- Reconstruction and re-democratization of the nation

# The Organization

- One focal point required by global community
  - ◆ Answer: An International Organization
    - Justification: Difficult
    - Best course of action: extend the organization charter
  - ◆ Augment this aim with the goal of preservation of humanity and space exploration
- The Three Arms of the Organization
  - ◆ Organization for Space Affairs and Settlement (OSAS);
  - ◆ Space Studies Institute; and
  - ◆ The Corporation.

# Organization for Space Affairs and Settlement (OSAS)

- Responsibility:
  - ◆ All affairs related to outer space and creating human settlements
- Charter would include:
  - ◆ Space Colonization;
  - ◆ Space Mining;
  - ◆ Space Tourism; and
  - ◆ Detecting, Tracking and Deflecting Space Threat

# OSAS Functions

- A gateway between earth and outer space;
- First place community contacts to obtain space related information;
- Work with national and international organizations;
- Carry out space exploration, settlement and commercialization activities;
- Have informational, coordination and operational functions;
- Carry out and facilitate capacity-building for the member governments and **private sector**;
- Developing measures and techniques for tracing, monitoring and deflecting space threats;
- Developing a bank to save pure genes of different peoples on earth; and
- Better and effective use of Internet for the said purposes.

# OSAS's Space Threat Related

## Functions

- Carryout a world-wide study to ascertain impact readiness;
- Prepare a report on what changes the governments need to make;
- Train specific teams from every country for global scale management and create a link between them;
- Help develop capacity of member governments
- The organization's structure should be such that if in a catastrophe a large proportion of its capability and structure is damaged, even then it continues performing its functions and a clear plan of action exists for its personnel;
- Prepare for economic and cultural reconstruction of the nations in post-disaster period;
- Liaison with existing disaster management organizations and exchange expertise and information;
- Become a bridge between existing space and disaster institutions; and
- Prepare an action plan to tackle refugees.

# OSAS's High Priority Projects

- Lessons from the previous disasters on both national and international levels
- Simulations and studies of diverse impact scenarios such as:
  - ◆ Rocks taking out majority of satellites
  - ◆ Long and short term effects of NEO impacts on weather
  - ◆ Effect on global warming
- Develop strategies and action plans on averting all types of threats
- Gather maximum data on human civilization and develop the biggest repository of human civilization information in numerous electronic and print formats
- Comprehensive feasibility on Solar System Habilitation

# *Space Studies Institute*

- An international institution, specifically designed to meet the strategies and goals of the organization
- Train the employees of the organization
- Open to outside world
- Prepare a new breed of scientists for the space studies.

# The Corporation

- Commercialization is the way and right choice
- Aim: **business activities in outer space**
- The Corporation might be:
  - ◆ A subsidiary commercial entity; or
  - ◆ Coordinated with a commercial entity.
- Knowledge and experience gained through OSAS put to commercial use through the corporation

# *The Corporation cont...*

- Development of a human database – a database with the information about individual beings, their ancestry and biographies. The fee for entry into the database could be one-off or could be on renewal basis like for dotcoms;
- The corporation can jump into the electronic media with documentaries and collaborate with Hollywood which would also help in information dissemination;
- Develop deflection techniques which also have commercial values or find commercial applications for already developed techniques;
- Go into space tourism and develop a small base on Moon;
- Develop a mining industry on Moon; and
- May eventually put into realization the dream of asteroid belt mining.

# Conclusion and the Way Forward

- Importance of global preparedness and response to disaster prevention and management
  - ◆ Demands greater information sharing, networking and capacity building – globally, regionally and nationally
- Proposal for creation of an international body
- The way forward
  - ◆ Create a working body
  - ◆ Carry out an extensive study and develop a detailed master plan for such an organization – its creation, operation and responsibility
- Hope for the best and plan for the worst



***Thank You***

Let us join in our efforts to save this planet for our future generations