PRIME MINISTRY, PROJECT IMPLEMENTATION UNIT (PIU)

Microzonation and Hazard Vulnerability Studies for Disaster Mitigation (MHVSDM)

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Presentation Outline

- Project Overview
- Lessons Learned
- Next Steps

Project Overview

Microzonation and Hazard Vulnerability Studies for Disaster Mitigation (MHVSDM)

Initiated as part of the "*Marmara Earthquake Emergency Reconstruction* (MEER)" project, under the Land-use Planning and Enforcement of Construction Codes component A3

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Project Overview (cont.)

Goal

Introduce/Demonstrate the Disaster Mitigation Planning Process

Objective

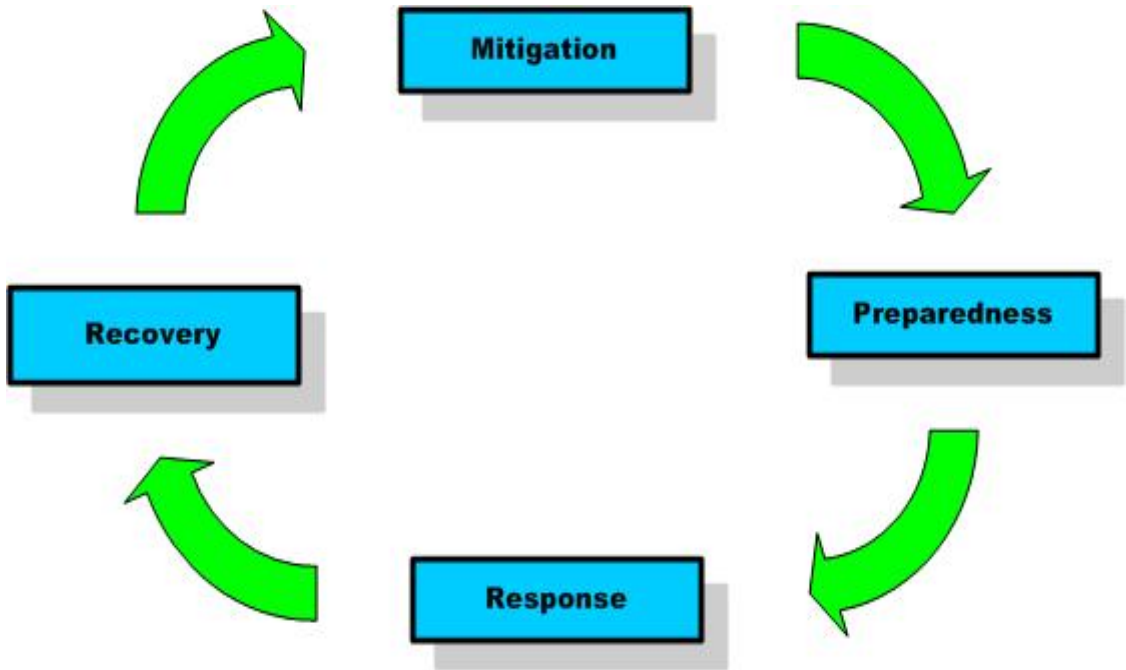
Develop a methodology that does not require a considerable amount of resources (time/money) which enables a municipality to obtain a good understanding of its risks

Products

- Disaster Mitigation Plan Methodology Manual
- Preliminary Disaster Mitigation Plans for the six (6) pilot municipalities *(Bakırköy, Bandırma, Eskişehir, Gemlik, Körfez and Tekirdağ)*
- Legislative Recommendations Report

Project Overview (cont.)

DISASTER CYCLE



Disaster Mitigation Planning

- Breaks the disaster cycle
- Promotes sustainable communities
- Helps municipalities be proactive, not reactive
- Identifies hazards and potential damage

Disaster Mitigation Plan Outline

- Inventory of Existing Conditions
- Hazard Identification
  - Earthquake
  - Flood
  - Tsunami
- Loss Estimation
  - Building Damage
  - Causalities
  - Shelter Needs
- Urban Risk Assessment
- Municipality Capabilities Assessment
- Mitigation Strategies
- Mitigation Prioritization

Lessons Learned

Benefits of the Project

- State-of-the-Art Methodology
- Road Map for Mitigation
- Identification of Hazards/Risks
- Foundation of Information

Difficulties of the Project

- Limited Available Data
- Expectations/Communication
- Limited Technical Expertise at Municipalities
- Large, Diverse Project Team
- Political Considerations

Lessons Learned (cont)

Opportunities of the Project

- Framework to Expand Methodology to Other Hazards
- Focused Study Areas
- Increase Technical Knowledge Base
- Incorporation of Information into day-to-day Activities
- Network Building
  - Pilot municipalities
  - Adjacent municipalities
  - Other municipalities who wish to start the DMP process
  - US/International Sister Cities relationships

Next Steps

- Encourage Mitigation (Pre-Disaster) Planning
  - Funding for Pre-Identified Projects
- Develop a Process to Prioritize Future Grants
  - National Conference
- Funding of More Earthquake Resistance Buildings