



'Mitigation planning' in [Aveiro Municipality]

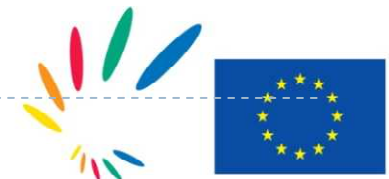
Thematic seminar Epirus September 2011





Mitigation plan:

1. Lead partner: Aveiro Municipality
2. Partners: EDP (electricity), ADRA (water & sewage supply), Aveiro Hospital, Lusitania Gás (Gas), SS (Social Security), GNR / PSP (Police), Bombeiros (Firemen), DRS (Regional Health Directorate), EP (Portugal Roads), Neighbouring municipalities, PT (Comunications)...
3. Scope: Various risks (the risks most likely to occur in the area).
Subject: Mitigation and disaster preparedness



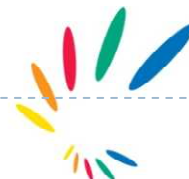
Risks	Probability	Level of risk
Floods	High	High
Forest fires	High	High
Urban fires	Medium	High
Traffic accidents	Medium	Moderate
Industrial accidents	Medium	Moderate
Railway accidents	Medium	Moderate
Maritime accidents	Medium	Moderate
Transport of dangerous goods	Medium	Moderate
Epidemics / Pandemics	Medium	Moderate
Earthquakes	Medium	Moderate
Cyclones and storms	Medium	Moderate
Dry	Medium-Low	Low
Sea invasion	Medium-Low	Low
Coastal erosion	Medium-Low	Low
Landslides	Medium-Low	Low
Collapse of structures	Medium-Low	Low



Mitigation plan:

4. Steps:

- A. The City Consul as coordinator presented a “draft” plan and requested several thematic meetings with partners.
- B. At these meetings the plan was adjusted to reality to the capacity of each of the entities in terms of means and resources.
- C. The plan was constructed with the contribution of all.





Mitigation plan:

5. Contents:

PART I - General Framework Plan

1. Introduction
2. Scope
3. General Objectives
4. Legal Framework
5. Background to the Planning process
6. Links with planning instruments and land management

PART II - Organization of response

1. Concept of operation

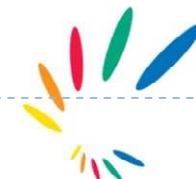
- Civil Protection Committees
- Operational Coordination Centers

2. Implementing the Plan

- Emergency Phase
- Rehabilitation phase

3. Coordination and performance of agents, agencies, entities

1. Permission of civil protection agents
 1. Emergency phase
 2. Rehabilitation phase
2. Mission bodies and supporting organizations
 1. Emergency phase
 2. Rehabilitation phase

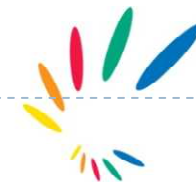




Mitigation plan:

PART III - Areas of Intervention

1. Administration of means and resources
2. Logistics
3. Communications
4. Information Management
5. Evacuation Procedures
6. Maintenance of public order
7. Medical services and transportation of victims
8. Relief and rescue
9. Funeral services
10. Protocols





Mitigation plan:

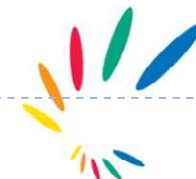
PART IV - Additional Information

SECTION I

1. General organization of civil protection
 1. Structure of civil protection
 2. Structure of operations
2. Mechanisms of the structure of civil protection
 1. Membership, attendance and powers of the Commission for Civil Protection
 2. Criteria for declaration and scope of the alert conditions
 3. System monitoring, alerting and warning

SECTION II

1. General characterization
2. Physical characterization
3. Socio-economic characterization
4. Characterization of infrastructure
5. Risk characterization
6. Risks
 - A. Risk analysis
 - B. Vulnerability analysis
 - C. Strategies for risk mitigation
 - D. Scenarios
7. Cartography

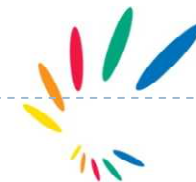




Mitigation plan:

6. Decision process:

- a. Thematic meetings with entities
- b. Discussion
- c. Present scenarios
- d. The plan was approved at the final meeting with all participating entities of the commission
- e. The plan is sent to the national authority for approval.





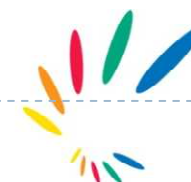
Plano Municipal de Emergência de Protecção Civil de Aveiro

aveiro

2011



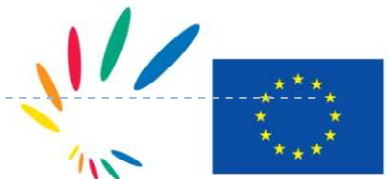
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7. Lessons: necessary steps in the process

- ▶ Integration of all entities that manage or have responsibilities within.
- ▶ Questioning each entity on the issues that each one understands to be the most difficult
- ▶ Only those entities with specific interests participated in the discussion.
- ▶ The plan is not static and must be open to all contributions and changes in reality.
 - 1.
- ▶ Throughout the discussion the plan can be adjusted for changes in conditions or the ability of materials and resources.





8. Lessons: necessary contents of the plan

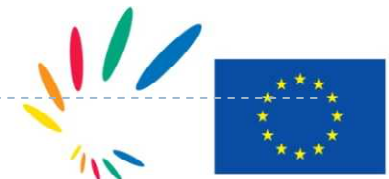
1. Risk characterization:

- a) Risk;
- b) Risk analysis;
- c) Vulnerability analysis
- d) Strategies for risk mitigation

2. Response capacity

□.

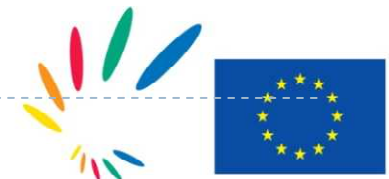
3. Organization of response





9. Lessons: other recommendations

Without integration of all contributions of the various entities any mitigation plan will be not good developed or poorly structured.





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Thank you for your attention

Obrigado pela vossa atenção

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