REGião AUTÔNOMA DOS AÇORES
Secretaria Regional da Saúde

SERVIÇO REGIONAL DE PROTEÇÃO CIVIL E BOMBEIROS DOS AÇORES
Azores Regional Civil Protection and Fire Services Agency (SRPCBA)
Objetives:
- Azores – Some peculiarities and curiosities;
- Civil Protection - How does it work?
- Management of emergency! Operational Development Major Incidents?
- Resources in Azores!
- Volcanoes in Azores! Example of Risk Management...
- Table top example! Let’s Play!
We are here...
Some peculiarities and curiosities
Some peculiarities and curiosities

- West ern Group
- Central Group
- East ern Group

615 Kms
382 Miles
Some peculiarities and curiosities

- North American Plate
- Eurasian Plate
- Azorean Micro Plate – Terceira Rift
- African Plate
Some peculiarities and curiosities
AZORES

Paradise on earth
but...

INCIDENTS

We also are rich in....
Landslides
Floods
Strong winds
Earthquakes
Volcanos
Major incidents
New Incidents by Turism development activities

Hiking

Canyoning
Portuguese Legal Framework

According to the Portuguese law that regulate civil protection, it declares that’s an activity developed by the government, the autonomic regions, the county's, the individuals and all entities public or private.

Regarding the purpose of collective risks prevention, concerning major accidents or catastrophe's, attenuating and relieving is effects.

Also, to protect and rescue populations, whenever those situations occur.

Art.º 1º da Lei n.º 27/2006 de 3 de Julho – Lei de Bases da Protecção Civil
Portuguese Legal Framework

Regional Government President
Mayor

Prime Minister
Mayor

Mar Orla costeira
Portuguese Legal Framework
Portuguese Legal Framework

Civil Protection Service
Emergency Plans
Civil Protection Commission

For each level - National, Regional, City or County.
Azores legal framework

Azores Legislative Parliament

Regional Government

Regional Government President

Regional Health Service Secretary

Azorean Civil Protection

Laws & Regulations
History of Azores Civil Protection

The Azores Civil Protection Service was created in 1984, following the January 1, 1980, earthquake in Terceira Island, at the time there was no organized rescue system for major incidents. Azores was declared a world heritage site in 1983.
In 1987 was published the organic law that regulated both services, the Civil Protection Service and the Azores Firefighting Service, that were united in 1999, becoming the Azores Civil Protection and Firefighting Service.
The Azores Civil Protection and Fire Fighting Service, overseeing the Islands, main tasks are:

- Awareness of populations;
- Approval of emergency planning;
- Verifying rules of fire safety;
- Training sessions to general population;
- Specialized training to fire fighters;
- Support to local county or city;
- Scientific investigation.
Organic Structure

Presidency of SRPCBA

GIS - Sistema de Informação Geográfica

Director of Planning & Operations

Dept. Operations and Risk Assessment

Dept. Training and Awareness

Director of Firefighting Inspection Service

Dept. Rescue and Equipments

Dept. Fire Safety

Servo de Informática

Servço de Apoio Geral

Training Center
SERVIÇO REGIONAL DE PROTEÇÃO CIVIL E BOMBEIROS DOS AÇORES

A PROTEÇÃO CIVIL COMEÇA EM SI!

Coordination

Incident

112 Police cell / EMS cell / Fire & Rescue cell

IC

Emergency

Activate

Command Post

Activate

EMS call

Additional Fire / EMS resources

F&R call

F&R

EMS line

Activate
Emergency Response Coordination Center
Operational Development Major Incidents - Mayor

Local Civil Protection monitors

Accident

Proposal
Activation of Emergency Plan

- Studies, reports, data...
- Specialists, logistics...

Mayor
Decides the activation of emergency plan

Meeting
Local Commission

Decision
Action

Coordinated actions
Operational Development Major Incidents - Regional

Accident

- Regional Civil Protection monitors the situation
- Proposal: Activation of Regional Emergency Plan
  - Secretary: Decides the activation of emergency plan
  - Meeting: Regional Government
  - Scientist: Data, studies, experts...
  - Logistics, support...
- Decision: Actions
- Coordinated actions

Accões coordenadas
Communication\Information – Early Warning System

Automatic Message System

- Weather forecasts
- Seismicity forecasts
- Volcanic forecasts
- Accidents
- Major Accidents
- Environment, etc.

Advise

Entities

Population

Connexall

VERIFIABLE INDUSTRY LEADER IN ALARM MANAGEMENT AND EVENT NOTIFICATION
Communication\ Information – Population

PROCIV Azores

A sua segurança na palma da mão
Já disponível!

www.procv.azores.gov.pt

PROTEÇÃO CIVIL E BOMBEIROS AÇORES
Fire Services & EMS System In Azores (resources)

- 17 Fire Departments
- 22 Fire Stations
- 800 Firefighters (Paid/Volunteer)
- 103 Fire/Rescue Trucks
- 70 EMS Ambulances
- 05 Immediate Life Support vehicles

Main Fire Stations
Satellite Fire Stations
Other Resources
Entities involved
Management of volcanic risk in Azores

Geographic distribution of active volcanoes in Azores

In Azores we don't talk about volcanos... We talk about earthquakes...
Management of volcanic risk in Azores
Volcano Capelinhos 27 September 1957 - 24 October 1958
Management of volcanic risk in Azores
Volcano Serreta 18 December – March 2000
Management of volcanic risk in Azores
Protocol with University of Azores and SRPCBA

To assure seismic and volcanic activity monitoring of the azorian territory and undersea environment.
Decision making technical support
Emergency notifications.
Scientific research database
Implementation and development of a warning system based upon specific indicators of a volcanic eruptions.
Management of volcanic risk in Azores
Protocol with University of Azores and SRPCBA

Permanent monitoring earthquakes, gases and volcanoes
Management of volcanic risk in the Azores

What are the procedures?
Study Case – let’s put our imagination working
Operational Development

Accident

- Regional Civil Protection monitors the situation
- Proposal: Activation of Regional Emergency Plan
- Secretary decides the activation of emergency plan
- Scientist
  - Logistics, support...
- Meeting: Regional Government
- Coordinated actions

- Accões coordenadas
Accident

What we\You need to know?

- Time?
- Affected areas?
- Evacuation?
- Cost of the decision?
- Protocols?
Management of volcanic risk in the Azores

What are the procedures when there is a volcanic risk?

**Today our decision is based on?**

It’s better to take a bad decision, than take no decision at all...

**Laws & Regulations**
Management of volcanic risk in the Azores

Who decide?

What do they need?

They need probability calculations?

Accurate information?
A PROTEÇÃO CIVIL COMEÇA EM SI!
Hazard Maps
Demography

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<th>CONCELHOS</th>
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Total Population 13592
## Health Service – Central Group

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**TOTAL 459**
Where is the Accident
A PROTEÇÃO CIVIL COMEÇA EM SI!
A PROTEÇÃO CIVIL COMEÇA EM SI!
A PROTEÇÃO CIVIL COMEÇA EM SI!

Pico
LAVA

VALUES
High: 1
Low: 0-0.004
ASHFALL
1-5 mm
5-10 mm
5-15 cm
5-10 cm
10-25 cm
25-50 cm
50-75 cm
75-100 cm
1-3 m
2-3 m
= 3 m
But until now! we are thinking just in Azores
But until now! we are thinking just in Azores
REMARKABLE PSAP (Public Safety Answering Point) ACHIEVEMENT AWARD 2017
Azores Regional Civil Protection and Fire Services, Azores, Portugal
QUESTÕES?
SERVIÇO REGIONAL DE PROTEÇÃO CIVIL E BOMBEIROS DOS AÇORES

A sua segurança na palma da mão!

www.prociv.azores.gov.pt
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www.youtube.com/user/SRPCBA

Aplicação Smartphone: