NICE, AN INTELLIGENT INTERACTIVE CITY, DESIGNED FOR RESILIENCE.

Venice, 19 - 20 March 2012.
Introduction

I. The global approach of Risk Management applied in Nice

II. The infrastructure of Municipal organisation, devoted to Risk Management

III. To make citizens play an active part in Civil Preparedness Organisations

IV. Risk acknowledgement education aimed at the local population

V. An “Intelligent City” preparing Crisis Management

VI. What can be done to improve Communal Resilience

Conclusion
Introduction

- Wedged between sea and mountains in the extreme South-East corner of France.

- A surface of 7200 hectares consisting of 2/3 of hillside woodland and 1/3 of flat lowland.

- 5th largest city of France, having 350,000 inhabitants.

- A territory representing high economic importance and at the centre of touristic crossroads (4 million visitors per year, of what 52% foreign nationals, 2nd most important airport of France).
5 NATURAL RISKS:
- FLOODING
- FOREST FIRES
- EARTHQUAKES
- LANDSLIDES
- METEOROLOGICAL PHENOMENA
  (marine submersion, windstorms, snow, rainwater flooding, cold spells, heat waves)
INTRODUCTION

Some memorable events of dangerous nature:

- FLOODING of the river Var in November 1994
- Forest fire in Cagnes-sur-Mer in August 2003
- The earthquake of 23 February 1887 in Imperia, Italy
1. **GLOBAL APPROACH TO RISK MANAGEMENT IN NICE**

1. **Municipal Section Specifically Dealing with Risk Management**

2. **Taking into Consideration Existing Risks in Urban Development and Management**

3. **Preventive Public Works**

4. **Risk Awareness Education of the Population**

5. **Tools Used for Monitoring, Forecasting and Alert**

6. **The Preparation of Crisis Management and the Return to Normal Status**
II. THE INFRASTRUCTURE OF MUNICIPAL ORGANISATION, DEVOTED TO RISK MANAGEMENT

Organizational Structure of Security

Risk management department

Security Control Center 24/7

Operational services

Other partners (Police …)

PRE-ALERT

« Vigilance » Cell

Mayor or his representative
Risk managers

- Municipal Police
- Mayor's Office
- Press agent

ALERT

Crisis Management
OBJECTIVES:

- to educate and inform about risk awareness;
- to obtain additional manpower;
- to develop communal civic sense and solidarity.

The Reserve Force with a hundred voluntary members, educated about major risks.
III. MAKE CITIZENS PLAY AN ACTIVE PART IN CIVIL PREPAREDNESS ORGANISATIONS

B - COOPERATIVE PARTNERSHIP WITH VARIOUS ASSOCIATIONS, PREPAREDNESS: education, exercises and their active participation in times of crisis

C - THE INDIVIDUAL CITIZEN HAS THE POSSIBILITY TO ALERT ABOUT PUBLIC DISORDERS OR DANGERS, VIA SMARTPHONES OR INTERNET

D - The distribution of Family Security Plans: these are developed for households situated in various danger zones, within the city of Nice.
IV. DEVELOPING EDUCATIONAL TOOLS FOR PUBLIC RISK-RECOGNITION

Creating within the population local risk-recognition education by means of:

- Raise awareness of major risks in schoolchildren (1)
- Raise awareness of risks in each district, specific to their location: such as flooding or forest fires. (2)
- To organize suburban prevention meetings for the general public (3)
- By the use of modern communication methods and technologies (4) (plaquettes, posters, internet, etc.)
This plan is activated at the request of the mayor of the city, during a pivotal adverse event affecting the municipality.

Consisting of 11 chapters, regrouping all identified risks of the territory.

This is a strategic, operational document, detailing guidelines for actual crisis management.

In this document one finds the definitions and modalities of pre-alerts and alerts, regarding the various hazards and the respective actions to take.
The city of Nice disposes of a fixed Communal Headquarters and one Mobile Command Post, both using the latest available technology.
V. AN INTELLIGENT CITY PREPARING CRISIS MANAGEMENT

Crisis management tools already used by the city of Nice

Local meteorological previsions 24/7; radar images ...
(partnership with Météo France)

Flood Warning System 24/7
(surveying real time river levels via web-interface)
V. AN INTELLIGENT CITY
PREPARING CRISIS MANAGEMENT

Crisis management tools already used by the city of Nice

Access to images of more than 600 cameras of video-protection
(evaluation of an event)

3G Mobile Cameras
(Direct visualisation of images on PCs or a tablets)
Decision-making tools already available in the city of Nice:

- GIS Cartography
- Crisis Radio Network
- Crisis Switchboard
- Satellite Telephones
Tools alerting the Population already available in Nice:

- Automated alarm added to GIS data
- Sirens and Mobile Alert System
- Free application for Smartphones (April 2012)
- Electronic Messages on Panels
- Social Networks and internet
- Nice Dapru
- #Nice DAPRU
- http://nice.fr/Securite-prevention
VI. WHAT CAN BE DONE, TO IMPROVE COMMUNAL RESILIENCE

Adaptation to climatic changes: we need to obtain better knowledge of them, in order to offer better information, specifically tailored to the local population.

Counsel and help local private property owners, to reduce vulnerability factors of their properties.

Develop diagnostic measures and reduce the vulnerability of institutions and complexes, such as schools and cultural establishments.
In view of these risks, the Mayor of Nice established a new policy of Risk Management:

- to call upon private citizens to develop and reinforce the concept of survival and Rebound Resilience

- to develop a real acknowledgement and culture of local risk factors

- to use the concept of a ‘Smart City’ at the service of Communal Resilience.