





prevention, preparedness, response to natural and man-made لوقاية من الكوارث الطبيعية والنائجة عن النشاط البشري والاستعداد والاستعداد والاستعداد prévention, préparation, réponse aux désastres naturels et pprd south

RADIO COMUNICATION during EMERGENCIES

The most immediate consequence to the calamitous events of any severity is the sudden collapse of traditional telecommunications systems / institutional (telephone, fax, etc..).

This severely hampers the most delicate phase of the emergency, ie the determination of the type of incident, its severity, its environment and the immediate coordination of relief







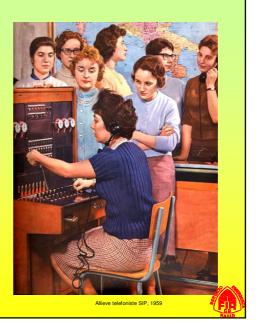






prevention preparedness response to natura and man-made disasters نتوقايه من الكوارث الطبيعية والنائجة عن النشاط البشسري والإستعداد والإستجابة لها prévention, préparation, réponse aux désastres naturels et pprd south

Phone systems (wired and cellular), have the ability to convey a certain number, certainly very high, contemporary communications.







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Limit is reached, the network collapses and is not able to provide service to more users.









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The telephone lines are interrupted, and the most advanced communication systems and technology (GSM telephony) are also the most vulnerable.



the central tower collapsed because of a hurricane Sito bicellulare

C5

C2

C7

C3

Antenna

omnidirezionale

C6

C6

C7

C1

C3

Celle

elementari

All classical communication networks require central technology infrastructure for various reasons may crash keeping thousands of users to communicate







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Often even in the presence of "signal", no "channels" available: the phenomenon that occurs, for example, at events, concerts, or simply natural disasters in some resorts "overcrowded" only short periods of the year





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Here then emerge the importance of using a communication tool was created more than 100 years ago!

Why?

- independence from central systems that can go into failure
- radio terminals can be easily replaced
- low cost of deployment and activation
- line is always open to the other party
- possibility of circular communication to multiple users (broadcasting)
- information sharing (all users have access to a radio network to the same information)







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Each institution must have involved the emergence of a trunked radio system suitable for the task to be performed.







The radio room of the Civil Protection of Friuli Venezia Giulia Region

But often it is not enough!!!!











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LA LEGGE IN ITALIA

In Italy the use of radio equipment and its frequency is regulated by Decree. No. 259, 08/03/01, which repealed several previous laws and decrees on the subject, and which came into force on 15-09 -03.



In summary, we have two great families of users of radio equipment that can make a valuable contribution to the Italian civil protection system:







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LA LEGGE IN ITALIA

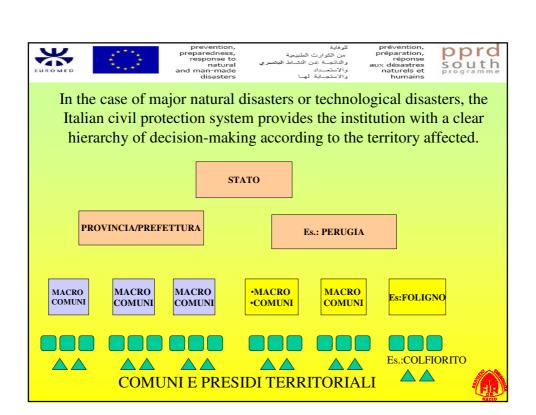
The amateur radio and CB (citizen band) that use frequencies reserved for recreational activities / Experimental

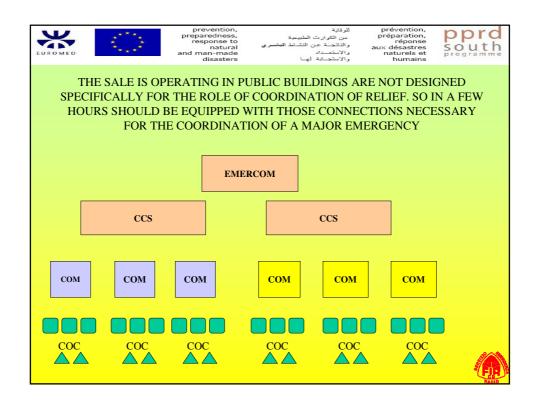


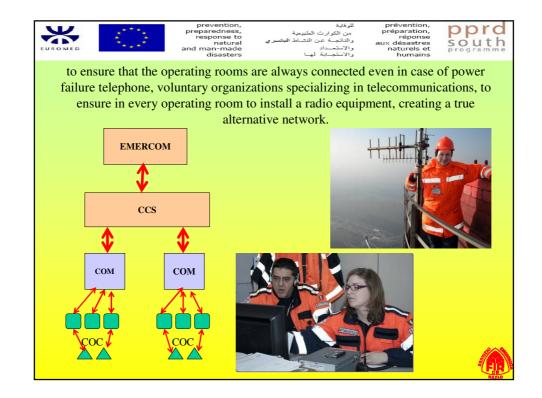
In case of emergency they can work with rescue operations

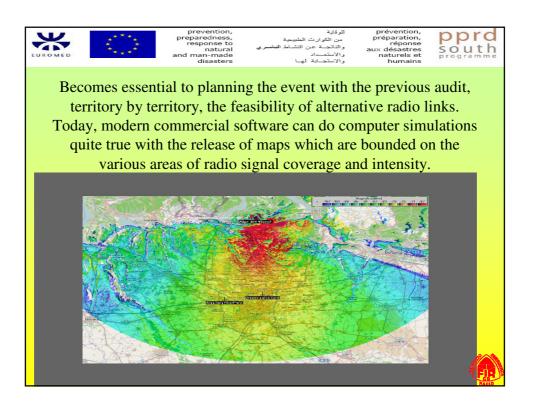


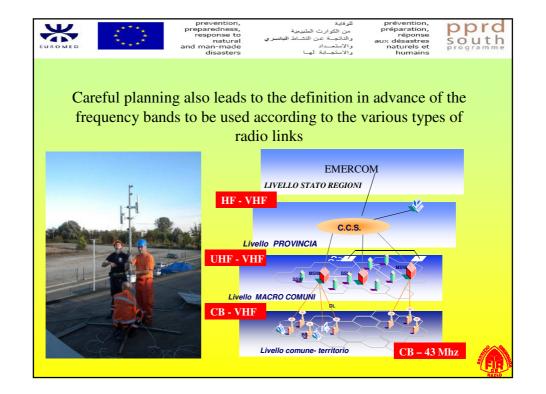


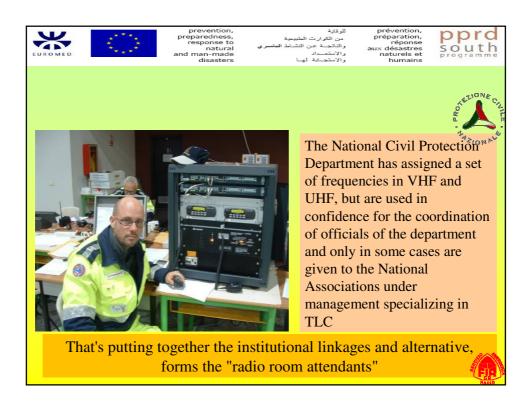


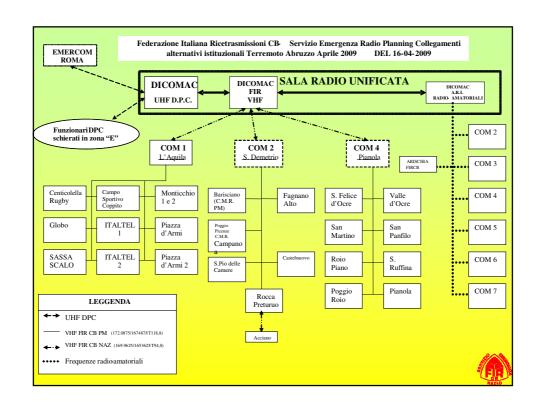
















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Circulating on the radio network, in the form of dispatches signed by the civil protection orders and arrangements for the management of assistance and requests for help from the affected area.











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The contribution of volunteers telecommunications does not end with the management of radio links between control centers, but was completed with the controlled distribution of portable radio equipment makers and responders to the various components involved in the rescue







