“From the wisdom of the ages to the challenges of modern world”

CLE AND THE MITIGATION OF EMERGENCIES AND NATURAL CRISSES

FIG WORKING WEEK 2015
17–21 MAY SOFIA BULGARIA

Organised by:

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FIG Working Week 2015

April 6, 2009 3:32 am
Magnitude 6.30
308 deaths | 1,500+ injured | 65,000 homeless
CONDIZIONE LIMITE PER L’EMERGENZA

is the condition in which even after an occurrence of an earthquake and despite the physical and functional damages that may interrupt almost all urban functions, a settlement can still retain the operations of most of its emergency strategic functions and its accessibility and connection to and with the local urban framework.

- Reduce the number of casualties in an occurrence of seismic event
- Recover and reintegrate existing public and private buildings, and infrastructure
- As a tool for improved (or updated) urban planning
ANALYSIS OF CONDIZIONE LIMITE PER L’EMERGENZA

formally introduced in 2012 through Ordinanza PCM 4007/12

The analysis of CLE of a specific settlement is essentially to identify:

• strategic structures to address emergency, as indicated in DPC Emergency Plans;
• road connections between these structures and its accessibility from the local urban framework

One of its main objective is to provide a bigger picture on how a specific settlement will respond to seismic emergency management in its territorial functionality.

it is composed of five technical modules corresponding to the different structural types to be surveyed and studied.

They, aside from the Index, are:

ES Edificio Strategico / Strategic Building
AE Area di Emergenza / Emergency Area
AC Infrastruttura Accessibilità - Connessione / Road Accessibility-Connection
AS Aggregato Strutturale / Structural Aggregate
US Unità Strutturale / Structural Unit
ANALYSIS OF CONDIZIONE LIMITI PER L’EMERGENZA

Preparatory phase (phase 1) → Data Collection Fieldworks (phase 2) → Data Analysis and Database storage (phase 3)

QA and Data Assessment → Publication

ANALYSIS OF CONDIZIONE LIMITI PER L’EMERGENZA – PHASE 1

Building identification (ES, AE, AC, AS) on existing Regional Technical Maps (CTR) and Emergency Plans (local or DPC’s)
ANALYSIS OF CONDIZIONE LIMITE PER L’EMERGENZA – PHASE 2

Data Collection through fieldworks to verify current state of the identified elements, their composition and characteristics, interference and relevance, and conservation.
Data Analysis is carried out wherein collected data are studied and the previous “plan” from phase 1 would be modified and/or reintegrated. All data are uploaded to DPCN’s database via a specific software freeware (SoftCLE). Corresponding shapefiles are produced.
THANK YOU FOR YOUR ATTENTION

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