



Co-financed by the EU – Union
Civil Protection Mechanism



Civil Protection Massive Open Developed E-Learning for strategies of Resilience

Final Conference
Heraklion, 13th October 2016



The CP MODEL Partnership

Fondazione Hallgarten Franchetti Centro Studi Villa Montesca (Italy) - Non-profit organization which develops innovative educational initiatives and offers a broad spectrum of multi-disciplinary researches and training activities.

University of Crete - Natural History Museum (Greece) - A department of the Faculty of Science that is a pioneer in the fields of applied research and scientific consultancy in the framework of environment protection

INGV Italian National Institute in Geophysics and Volcanology (Italy) - The INGV is currently the largest European body dealing with research and monitoring of geophysical phenomena in both the solid and fluid components

alpS GmbH (Austria) - Research & Development centre and consultancy dedicated to the topics of risk and climate change

Xunta De Galicia, Dirección Xeral Emerxencias e Interior (Spain) - Public authority (Emergency and Internal Affairs Direction) working in the field of emergency and civil protection, internal affairs and security.

DURATION: 2 years – from 1st January 2015 to 31st December 2016

THE CP MODEL PROJECT

AIMS at

Defining resilient strategies and increasing the ability of towns to become “can-do communities”, increasing knowledge and practices and creating a massive learning strategy for resilient learning communities and self-resilient communities.

Its purpose is to facilitate the adoption by other Countries of the tools that it creates, by giving an important contribution to the already existing international initiatives in the resilience field and to reach many other local communities and local policy making leaders.

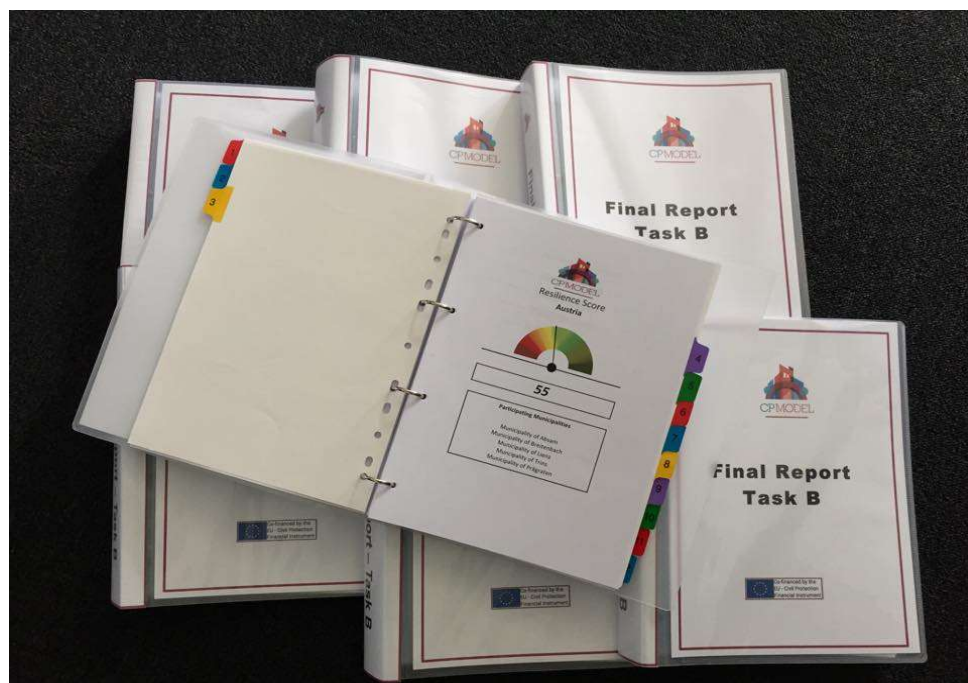
With the aim of contributing with new ideas about how to transform a traditionally organized local community in a resilient organization, CP MODEL has created some specific tools.

Here an overview.....

a resilient city

“A Resilient City is one that has developed capacities to help absorb future shocks and stresses to its social, economic, and technical systems and infrastructures so as to still be able to maintain essentially the same functions, structures, systems, and identity.”

Resilience Map of criticalities



Analysis of the reasons that make difficult to adopt strategies addressed to increase the level of auto-organization of the response in case of natural and anthropogenic crisis.

It was done by **involving experts and local leaders of municipalities** in each participating country, as well as volunteers and protagonists of the local community life.

The resilience Map was realized through questionnaires and focus groups for assessing the main difficulties in adopting flexible prevention strategies, but also the presence of new ideas and best practices.

It provided a baseline for understanding what kind of informative and learning tools had to be designed and realized in the following CP MODEL products.

The CP MODEL Resilience MOOC Platform

MOOCs - Massive Open Online Courses - are at the beginning of a wave and a first step towards opening up information and educative materials to a very wide public and interested stakeholders in the field of resilience.








The CP MODEL Resilience MOOC Platform

The platform is addressed to learning practice and procedures tackled to involve a large scale category of people, experts and volunteers.

RESILIENCE MOOC PLATFORM

HOME COURSES REGISTRATION TEACHERS CONTACT

Instructors

	Prof. Paolo Gasparini – Professor emeritus at University of Naples “Federico II”
	Mag. Andreas Koler – alpS – centre for climate change adaptation
	Dr. Voderadou Catherina – Head of education / Natural History Museum of Crete
	José Gil de Bernabé Sánchez- Deputy Director for Emergency and Civil Protection Department at Galician Regional Government in Spain
	Eng. Sandro Costantini – Chief Operating Officer of the Umbria Region

Syllabus

Week 1 – The resilience: general meaning

Lesson 1 & Quiz: *Concept of Resilience*

Lesson 2 & Quiz: *The Ten Essentials for Making Cities Disaster Resilient*

Week 2 – Programming the resilience

Lesson 1 & Quiz: *Methods and approaches to introduce the effects (assessment) of the impact of natural disasters' (Risk Assessment) (SQ)*

Lesson 2 & Quiz: *Planning Resilience*

Week 3 – Organization of the infrastructures and urban services for the resilience

Lesson 1 & Quiz: *Organizing the infrastructure and the Land Use Planning for Resilience*

Lesson 2 & Quiz: *Financing Disaster Resilience*

Week 4 – The concept of Resilience in practice: case studies

Lesson 1 & Quiz: *The concept of resilience in practice: case study*

Lesson 2 & Quiz: *Case Study: Seismic Risk Management in Greek School Units*

Lesson 3 & Quiz: *Case Study: District Heating*

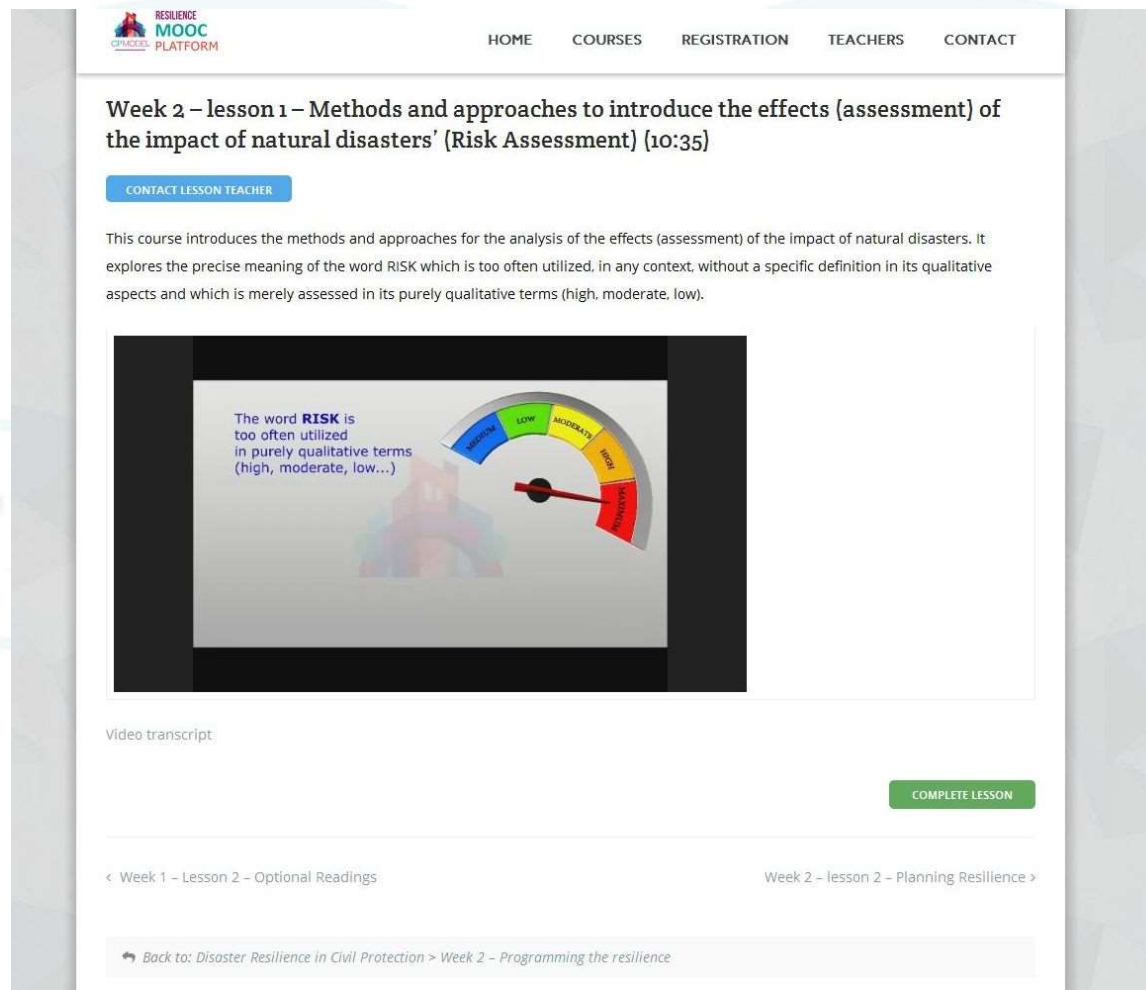
Lesson 4 & Quiz: *Case Study: The RiMaComm Project – a large scale risk assessment approach*

Lesson 5 & Quiz: *Case Study: Qualities of Resilient Systems: Integrated*

Lesson 6 & Quiz: *Case Study: Resilience in the Neapolitan area*

The CP MODEL Resilience MOOC Platform

The contents of the courses within the CP MODEL MOOC are video-lessons, deepening materials, assessments, etc..



The screenshot displays the CP MODEL Resilience MOOC Platform interface. At the top, there is a navigation bar with links: HOME, COURSES, REGISTRATION, TEACHERS, and CONTACT. The main content area is titled "Week 2 – lesson 1 – Methods and approaches to introduce the effects (assessment) of the impact of natural disasters' (Risk Assessment) (10:35)". Below the title is a blue button labeled "CONTACT LESSON TEACHER".

The course description states: "This course introduces the methods and approaches for the analysis of the effects (assessment) of the impact of natural disasters. It explores the precise meaning of the word RISK which is too often utilized, in any context, without a specific definition in its qualitative aspects and which is merely assessed in its purely qualitative terms (high, moderate, low)."

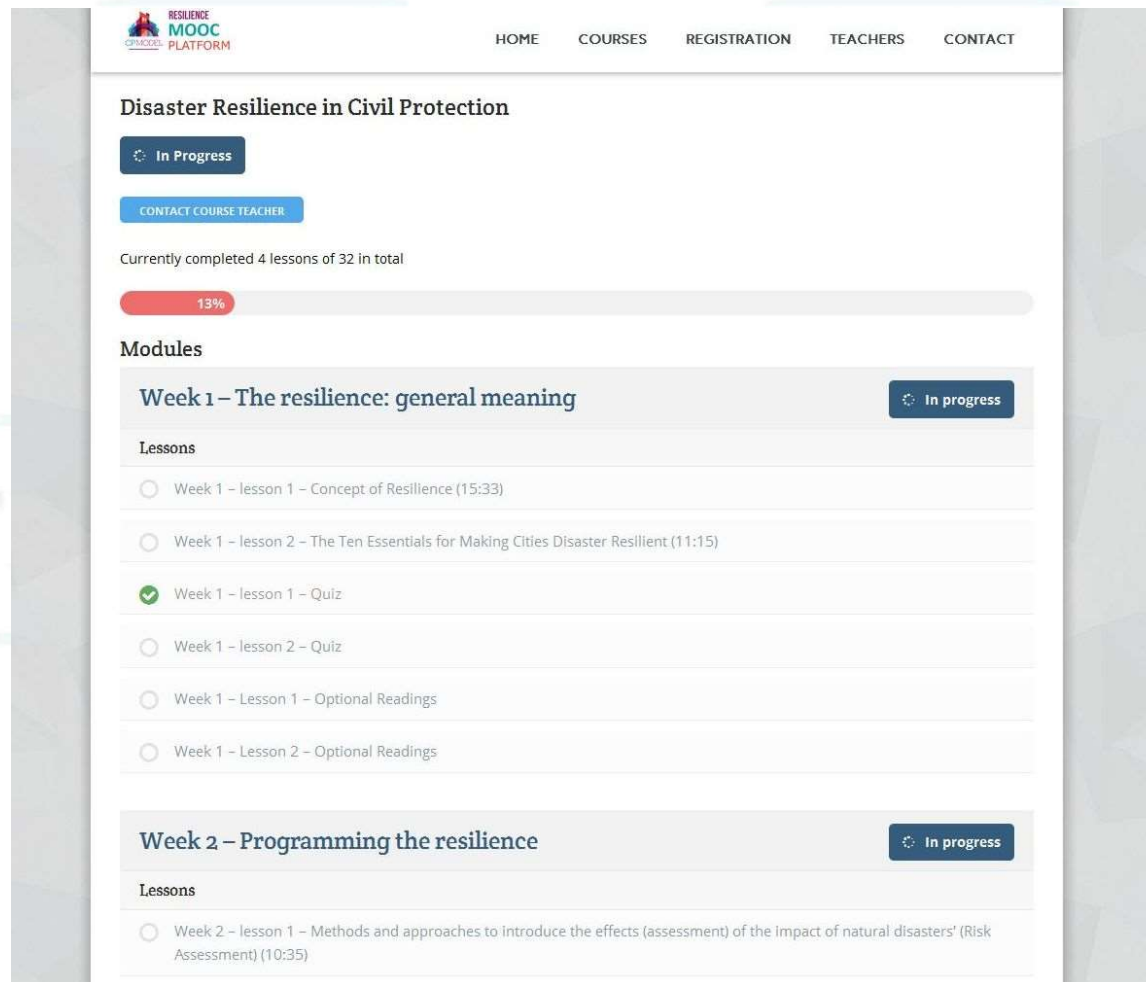
A video player is embedded, showing a slide with the text: "The word **RISK** is too often utilized in purely qualitative terms (high, moderate, low...)" and a circular diagram with five segments labeled: IMPACT, LOW, MODERATE, HIGH, and EXTENSIVE. The needle points to the "MODERATE" segment.

Below the video player is a "Video transcript" section. At the bottom right of the main content area is a green button labeled "COMPLETE LESSON".

Navigation links at the bottom include: "< Week 1 – Lesson 2 – Optional Readings" and "Week 2 – lesson 2 – Planning Resilience >". A footer link reads: "Back to: Disaster Resilience in Civil Protection > Week 2 – Programming the resilience".

The CP MODEL Resilience MOOC Platform

The platform is interactive and Multi-platform and compatible with all the most popular browsers



The screenshot displays the user interface of the CP MODEL Resilience MOOC Platform. At the top, a navigation bar includes links for HOME, COURSES, REGISTRATION, TEACHERS, and CONTACT. The main heading is "Disaster Resilience in Civil Protection". Below this, there is a status indicator "In Progress" and a button labeled "CONTACT COURSE TEACHER". A progress bar shows that 4 out of 32 lessons have been completed, representing 13% of the course. The "Modules" section lists two weeks, both marked as "In progress".
Week 1 – The resilience: general meaning
Lessons:

- ☐ Week 1 – lesson 1 – Concept of Resilience (15:33)
- ☐ Week 1 – lesson 2 – The Ten Essentials for Making Cities Disaster Resilient (11:15)
- ☒ Week 1 – lesson 1 – Quiz
- ☐ Week 1 – lesson 2 – Quiz
- ☐ Week 1 – Lesson 1 – Optional Readings
- ☐ Week 1 – Lesson 2 – Optional Readings

Week 2 – Programming the resilience
Lessons:

- ☐ Week 2 – lesson 1 – Methods and approaches to introduce the effects (assessment) of the impact of natural disasters' (Risk Assessment) (10:35)

Resilience MOOG (Massive Open Online Guidelines)

- Guide about how to use the open structured resources addressed to the local communities and the stakeholders:
- Practices and experiences
- Micro-blogging contents
- Massive training materials organized in structured courses provided in all the languages involved and with an active and interactive tutorship
- Interactive spaces and exchange modules where the expert can share information and ideas
- On demand training resources
- Video resources

The GUIDE is created to be “**social**” and, in this perspective, it will interact with the social networks (facebook, twitter, you tube, vimeo etc...) in order to increase the number of participants and the level of their involvement.

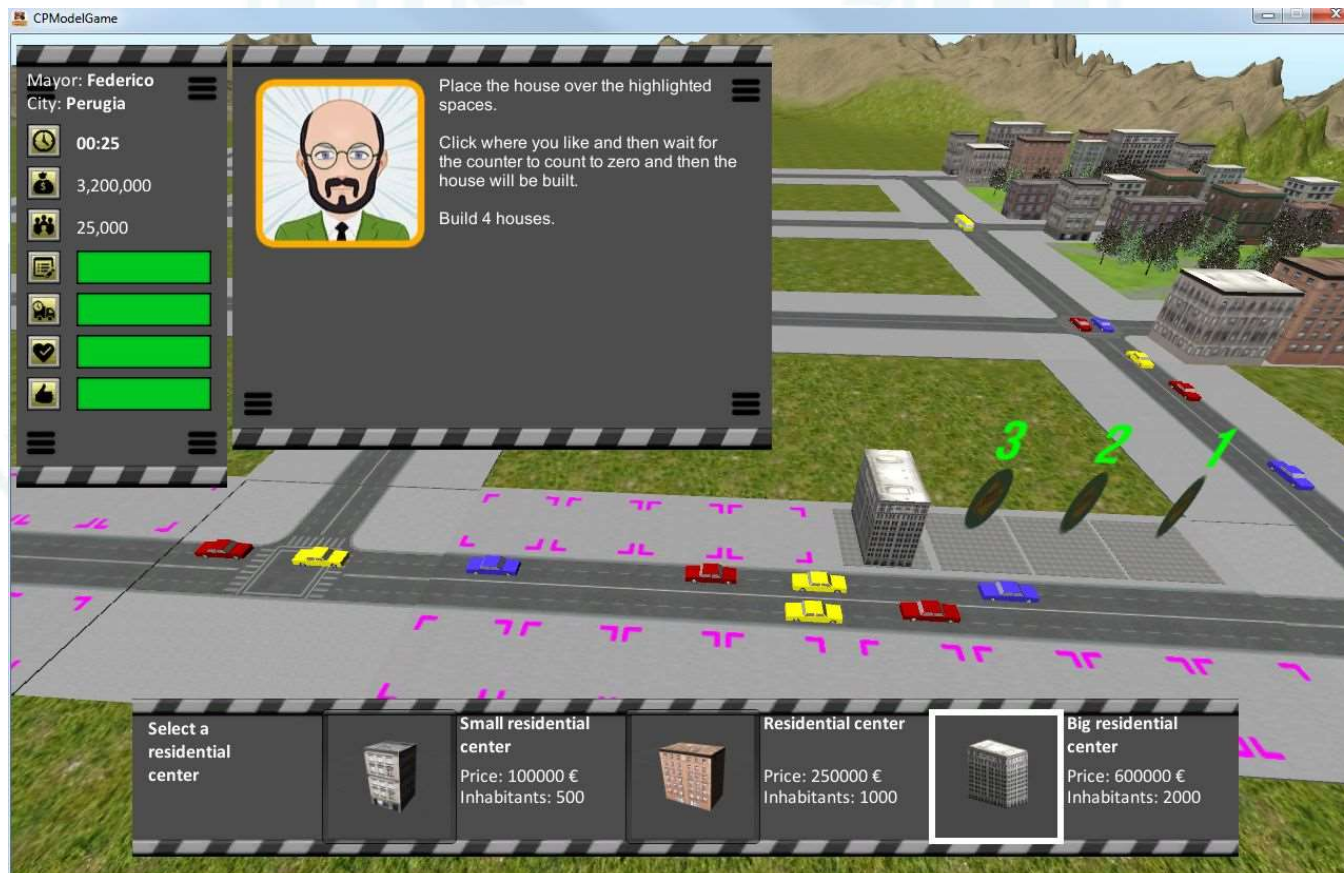
Resilience On-Line Learning Game called “Super Mayor” (The game of the resilient towns)

Innovative product created in order to complete the learning offer. It has the main goal to disseminate the concept of resilience as a common and accepted idea and not as something addressed basically to specialists and professionals.



Resilience On-Line Learning Game called “Super Mayor” (The game of the resilient towns)

The philosophy is quite simple, the player is a Mayor or a leader of a community and his/her first task is to adapt and create a strategy to be prepared in case of unpredictable situations and crisis.



Resilience On-Line Learning Game called “Super Mayor” (The game of the resilient towns)

The idea is that a leader/player cannot predict, but he/she can learn how to be prepared from other scenarios and past situations.



Resilience On-Line Learning Game called “Super Mayor” (The game of the resilient towns)

Super Mayor is conceived to be **played online** and it can be executed on **Microsoft Windows** and **Apple Macintosh** but also on **Android smart systems**.



FOLLOW UP

The MOOC/MOOG platform can **look beyond the involved countries** and has the potentiality to reach many other local communities and local policy making leaders. In these terms the project can give an important contribution to the already existing international initiatives in this field (such as the UNISDR resilient cities campaign).

After the experimentation, the game will be at the free disposal of any category of users

CENTRO STUDI VILLA MONTESCA
F O N D A Z I O N E



Co-financed by the EU - Civil
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Thank you for your kind attention

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