

Capacity Building training lessons and manuals

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ENhance Safety of Adriatic Basin

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Work Package Title Release of EDSS Platform and Transfer of Emergency Services

Regulatory Framework

Activity Number

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Introduction

The Capacity Building Intervention main aim is to spread and make the knowledge acquired during the course of the project accessible to policymakers (local and regional elected members and public officials).

The key exploitable result is EDSS platform, which enables inclusion of citizens through social media, as well as institutional and sensors data into Civil Protection (CP) decision making processes (see deliverables 3.3). The capacity building training aims to enhance partners capacity to use citizens as active actors before and during disasters, as well as sensors and institutional data. The project's solution provides the opportunity to improve actual Italian capacity to use social media to communicate with citizens and to significantly raise capacity for Croatian CPs in that sense. Likewise, another aim of the project's solution is to raise capacity for using other data coming from sensors, probes and institutions.

The two-day training lessons will be implemented and held in six regions/counties by the following partners: PP1 (Split and Dalmatia County), LP (Molise Region), PP2 (Veneto Region, Directorate for Civil Protection and Local Police), PP6 (Pescara Municipality), PP8 (Zadar County Rural Development Agency) and PP10 (Dubrovnik Municipality). These are the same PPs responsible for the pilot tests in their area of competence.



Agenda and contents

The training lesson agenda is proposed in this document. The idea is to concentrate the illustration of the topics to address in three main frontal presentations and to proactively involve the audience in a simulation of citizens' involvement in CP decision making, usage of sensors and institutional data, mediated discussions, and a survey specifically designed for the occasion. The survey will be evaluated and analysed by local authorities providing the training. It may serve for the improvement of cross-border cooperation, existing policies, legislation and other good practices which are related to the involvement of citizens in emergency management through social media. These improvements will be envisaged as follow-up activities beyond the project life-time. The lectures need to be performed in the native language of each PP (Italian or Croatian), and they should be carried out by a minimum of one person involved in the project and one local Civil Protection member (they could be the same CP members already engaged in the pilot tests). It is to stress that the latter's involvement is advised to complement the contents discussed.

Day 1

Morning

9.30 a.m. - 11 a.m.

- Participant registration (15 min)
- Institutional greetings (5 min)
- Training lesson agenda illustration (10 min)
- > "The E-CITIJENS Project idea Inclusion of citizens as well as institutional and sensors' data in CP decision making processes" (1 hour) - This section (supported by a PowerPoint presentation) has to illustrate the idea beyond the project, starting from needs and advantages of inclusion of citizens, as well as institutional and sensors' data in CP decision making processes, its innovative element, and its main goal which is the development of an Emergency Decision Support System (EDSS).



11.30 a.m. - 1 a.m.

- > "The Italian and Croatian legislative frameworks -status and challenges" (1 hour) This section (supported by a template PowerPoint presentation that will be integrated by the PP implementing it) has to compare the existing legislative frameworks, proposing an insight into the country and region/county where the workshop is given. Moreover, it should include the policy recommendations to enhance CP legislations and emergency operational rules individuated during the project (according to the deliverable "Emergency Services Regulatory draft" of activity 5.1).
- > Q&A and discussion (30 min) After answering the audience's questions, the lecturers mediate the debate. The main aim must be to collect feedback from the audience to integrate the ESR framework.

Afternoon

2.30 p.m. – 4 p.m.

- "The EDSS platform tasks and pilot tests" (1 hour and 15 min) The first part of this section consists of the EDSS platform description (PowerPoint presentation, 30 min). This illustration needs to take into consideration the audience addressed; therefore, excessive technicalities are to avoid. It is anyway fundamental to present the EDSS main features and to describe its functioning. After this part, one person actively involved in the project, with the help of a minimum of one local Civil Protection member, describes the pilot test carried out in his/her area of competence, showing a selection of the available multimedia materials (e.g. photos, videos) and presenting the results obtained (45 minutes) according also to the deliverables of activity 4.4. The pilot tests carried out in the other partnership territories could also be briefly described. In general, the results obtained during WP4 pilot tests can be used to illustrate this second part.
- Q&A and discussion (15 min) The lecturers answer the audience's questions and collect the eventual feedback.



Day 2

Morning

9.30 a.m. - 11.00 a.m.

- > EDSS platform real-time simulation (1 hour) The idea is to perform a small-scale pilot test with the audience to allow the participants to experience directly how the platform works. A simulated emergency is proposed, and the participants are asked to report it writing dedicated posts as they were everyday citizens on social media. The platform processes the posts in real-time; the outputs are then displayed and discussed.
- > Survey (30 min) A questionnaire is proposed to collect the audience feedback on the various macrotopics illustrated during the training. It has to be taken using an online system (Google Forms is recognised as a suitable option) and it can be accessed directly with a QRcode.

11.30 a.m. - 12.30 a.m.

> Press conference and/or presentation of WP2 available materials - A press conference could be organized to conclude the two-day training lessons. In alternative or in addition, it would be interesting to present a selection of the project promotional materials produced during WP2.



The agenda is summarized in the following tables (one per training lesson day).

DAY 1	
9.30 a.m. – 11 a.m.	 Participant registration (15 min) Institutional greetings (5 min) Agenda presentation (10 min) "The E-CITIJENS project idea - Inclusion of citizens as well as institutional and sensors' data in CP decision making processes" (1 hour)
11.00 a.m. – 11.30 a.m.	Coffee break
11.30 a.m. – 1 p.m.	 "The Italian and Croatian legislative frameworks, status and challenges" (1 hour) Q&A and discussion (30 min)
1.00 a.m. – 2.30 a.m.	Lunch break
2.30 p.m. – 4 p.m.	 "EDSS platform presentation: tasks, pilot tests" (1hour and 15 min) Q&A and discussion (15 min)

DAY 2	
9.30 a.m. – 11 a.m.	 EDSS platform real-time simulation (1hour) Survey (30 min)
11.00 a.m. – 11.30 a.m.	Coffee break
11.30 a.m. – 12.30 p.m.	Press conference and/or presentation of WP2 materials



Conclusions

This document together with all the materials prepared for the lessons forms the set of Capacity Building training lessons and manuals as for the application form (deliverables of activity 5.2). The set also include deliverables of activities 4.4 and 5.1.

The supporting materials available for the lessons are:

- > "The E-CITIJENS Project idea Inclusion of citizens as well as institutional and sensors' data in CP decision making processes" PowerPoint presentation (English version of the presentation is reported in Appendix 1);
- > "The Italian and Croatian legislative frameworks status and challenges" PowerPoint presentation (first part and template to be integrated by local PPs) including the results presented in the deliverable of activity 5.1 (English version of the presentation is reported in Appendix 2);
- > "The EDSS platform tasks and pilot tests" PowerPoint presentation (first 15 minutes); the remaining part will be prepared and presented by the local person involved in the project, including the results reported in the deliverables of activity 4.4 (English version of the presentation is reported in Appendix 3);
- Online survey (presented in the Appendix 4).



Appendix 1 - "The E-CITIJENS Project idea - Inclusion of citizens as well as institutional and sensors' data in CP decision making processes" PowerPoint presentation











Project goals

- increase the safety of the Croatian and Italian Adriatic basin decreasing exposure of coastal and internal ecosystems and population to the impact of natural disasters, in particular floods, forest fires and earthquakes
- promote cross-border cooperation between both regional and national administrations of Italy and Croatia in enhancing monitoring and emergency management measures
- implement a raising awareness intervention on citizens to act as "active sensor" of emergencies via social media



















Project pillars

- The participatory process of citizens change citizens' role from traditional "vulnerable element" to "active sensor"
- Innovation design an innovative Emergency Decision Support System (EDSS), a semantically enriched web-enabled platform able to integrate heterogeneous data from institutional and social media sources
- Governance enhance the existing Civil Protection Regulatory Systems in Italy and Croatia improving their level of uniformity and similarity to make available to National and Regional Authorities a uniform cross-border emergency legislative basis



























The E-CITIJENS Awarness Campaign

- · An Awareness Campaign has been designed and deployed within the project in order to activate the participatory process of citizens in emergency management activities and to promote a proper behaviour thorough knowledge of risk issues during hazardous occurrences
- · In all involved territories the Campaign has been implemented realizing Works Cafès, Info Days, activation or attendance to social media "virtual" communities to develop training activities for citizens on civil protection and disaster safety





















Innovation

The Emergency Decision Support System (EDSS)













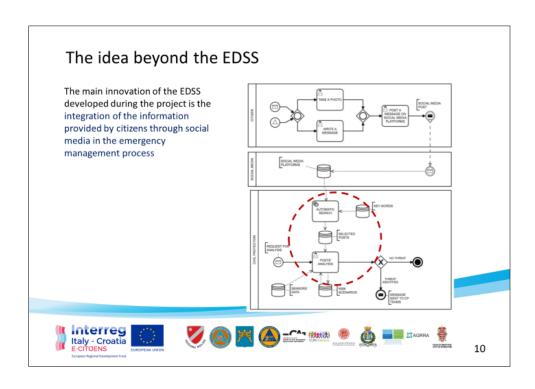


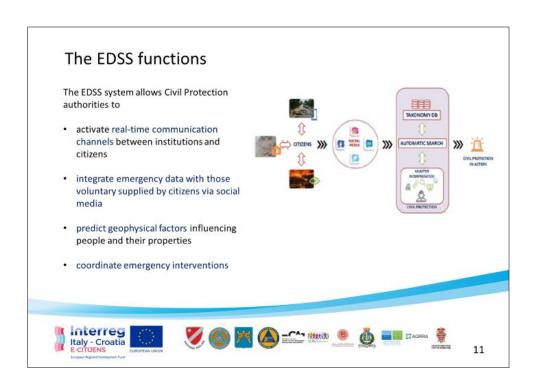




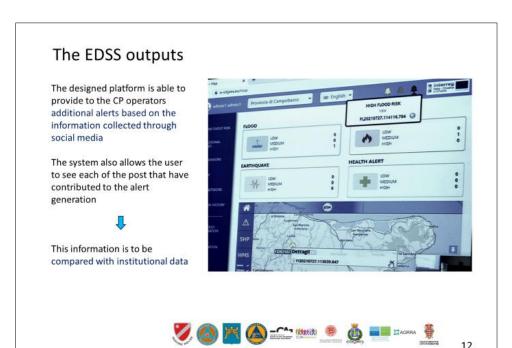


















The importance of cross-border cooperation

· Civil Protection can be defined generally as the package of measures that aim to prevent natural and technological disasters and minimize their impacts in order to ensure the protection of citizens and their environment



The Treaty of Lisbon, in force since 2009, states that "the Union shall have competence to carry out supporting, coordinating or complementary action" in the area of Civil Protection and that "the Union have to encourage cooperation between Member States in order to improve the effectiveness of systems for preventing and protecting against natural or manmade disasters"



















The Italian and Croatian Civil Protection regulatory frameworks

- · During the project, the Italian and Croatian Civil Protection Regulatory Frameworks have been studied and revised considering transnational, national, regional and local levels
- . The aim has been to understand their level of similarity and how they can be enhanced to favour cross-border cooperation between Italy and Croatia



The results of this investigation are capitalised in the Emergency Services Regulatory (ESR) Framework document





















Thanks for your attention Grazie per l'attenzione Hvala na pažnji







Appendix 2 - "The Italian and Croatian legislative frameworks status and challenges" PowerPoint presentation (to be completed)





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The Civil Protection legislative frameworks in Italy and Croatia

Overview



















Civil Protection national legislations

The Civil Protection systems in Italy and Croatia are based on the same principle of subsidiarity and there is a common multilevel governance of emergencies

Italy

The Civil Protection System was established in 1992 (L. 225/1992, Istituzione del Servizio Nazionale di protezione civile). This law distinguishes, for the purposes of civil protection activities, three types of events:

- · national and international level
- provincial and regional level
- local level

The national reference standard is Legislative Decree 1/2018, Civil Protection Code (Codice di Protezione Civile)

Croatia

The Protection and Rescue Act (NN 174/04, 79/07, 38/09, 127/10, Zakon o zaštiti i spašavanju) is the first systematic law in the country addressing protection and rescue activities. It introduced three levels in the Croatian Civil Protection organization:

- central level,
 county level
- town or municipality level

This act was substituted by the Law on Civil Protection System (NN 82/2015 and 118/18, Zakon o Sustavu Civilne Zaštite), the actual national reference standard











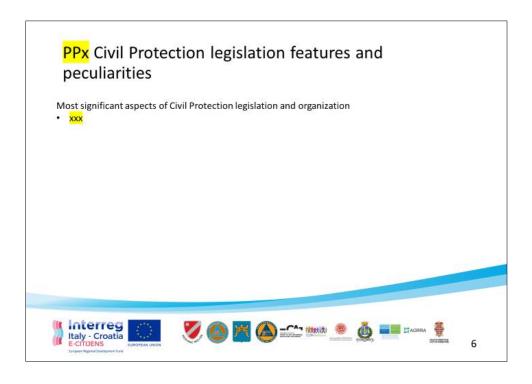












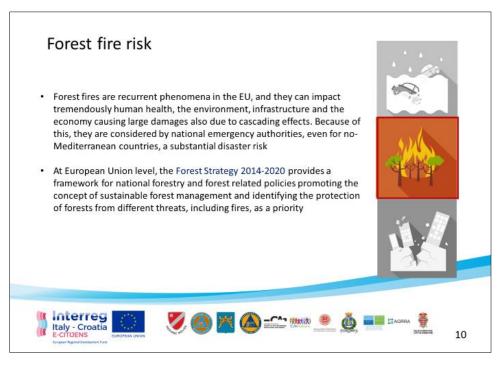






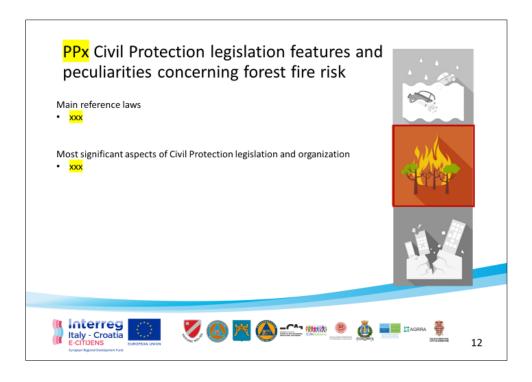






















Enhancing the existing CP legislations and emergency operational rules

The Emergency Services Regulatory framework















The Emergency Services Regulatory Framework (ESRF)

This document identifies the main challenges to address to ensure the implementation of EDSS in the Italian and Croatian Civil Protection Systems

- · The basic preconditions for involving citizens in the process of responding to possible threats or emergencies are to be created
- · The Italian and Croatian Civil Protection legislation needs to be updated, especially for what concerns Information management, Strategic contingency planning, Crisis communication, Search and rescue operations (land and sea), Firefighting activities, Maritime pollution, etc.























The ESF document content - Overview

The ESR document provides detailed guidelines to implement each of the following macro-areas

- 1) The citizen involvement in the emergengency management process
- 2) Legislation
- 3) Civil Protection plans and procedures
- 4) Operational-communication centres
- 5) Early warning systems
- 6) Training and exercises
- 7) A novel Crossborder functional centre (CFC)

















Crossborder functional centres (CFCs)

- · Strengthening cooperation between countries through crossborder functional centres will enhance existing relations and improve join coordination in emergency situations
- · Crossborder Functional Centres (CFCs) should be equipped with an advanced and efficient decision support systems to monitor risks more efficiently, manage emergencies and coordinate the involved forces during emergency interventions



· Setting up a virtual CFC linked with national operations centre in Italy and Croatia will support mutual communication and coordination on bilateral level



















ESRF final guidelines

- Encouraging the competent civil protection bodies of the states/regions (counties) of project partners in raising the awareness of citizens about the need to collect information on threats and emergencies and their transmission using social networks
- Improving the management of natural risks in the area of competence of project partners while encouraging the improvement of regional cooperation of partner countries in the area of improving procedures for responding to threats, extraordinary events in the area of competence
- Development of IT platform and upgrades with applications to support the reception of information using social networks and their transmission to end users



















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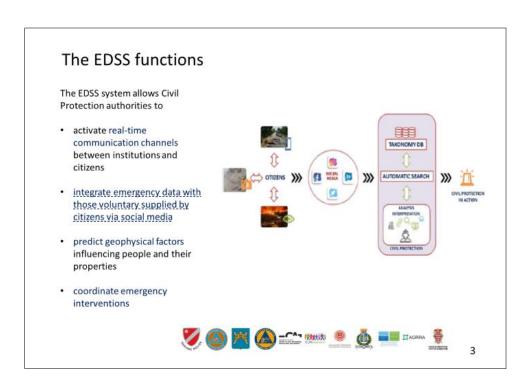


Appendix 3 - "The EDSS platform - tasks and pilot tests" PowerPoint presentation (to be completed)

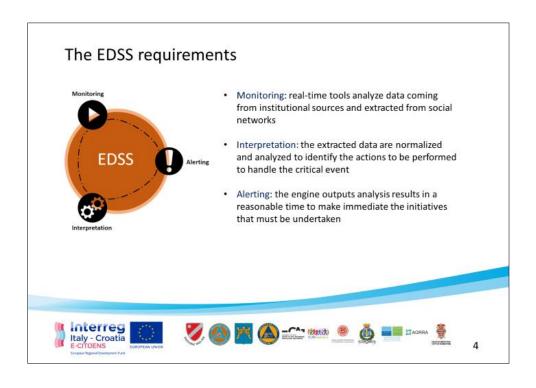


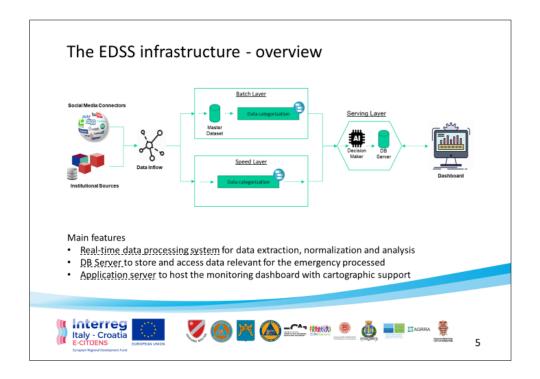




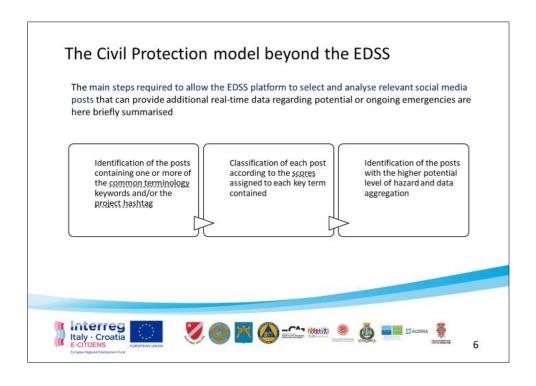






















The EDSS pilot deployment

- · Pilot deployment aims at carrying out a period of parallel running of the platform at to ensure its right functionality with practical feedback
- · The EDSS has been tested in the partner territories on a specially designed web page aiming at proactively involve a total of n° 1200 children and school-age youths and 3600 adult citizens per each territory
- The common approach followed takes into account diversification of pilot sites and proposes common capitalised solutions

Project partners involved: Molise Region, Split and Dalmatia County, Veneto Region, Pescara Municipality, Zadar County Rural Development Agency, City of Dubrovnik















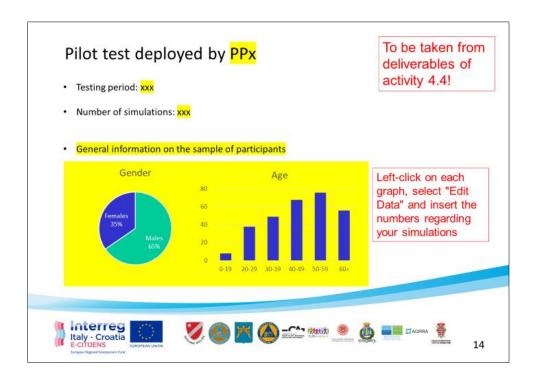


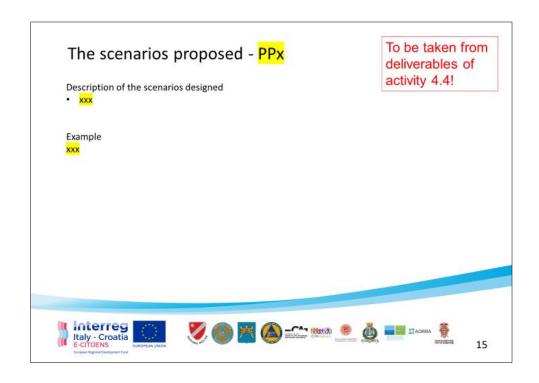




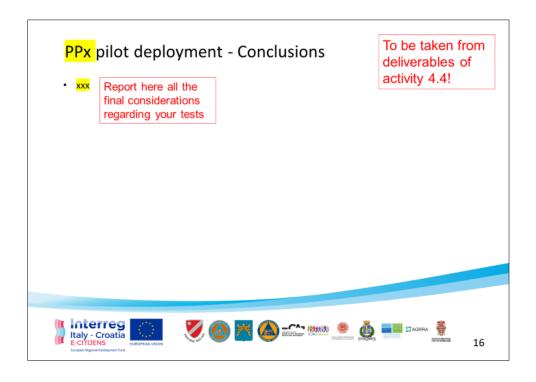




















Appendix 4 - Online survey structure

Title: Survey - Project E-CITIJENS

Section 1

Title: Personal information

Description: In this first part of the survey, we ask you to provide information about yourself and your role (only for statistical purposes)

- 1) How long have you been working in emergency management field?
- 2) How would you describe your computer and social media skills? (poor, good, excellent).
- 3) Indicate in which of the project areas you are currently operating (Molise Region, Split and Dalmatia County, Veneto Region, Pescara Municipality, Zadar County, City of Dubrovnik).
- 4) Specify your affiliation.
- 5) Specify your role and briefly describe your involvement with Civil Protection activities.

Section 2

Title: Social media and emergency management

- 1) Do you consider social media a trustworthy source of data for emergency management? (Yes/No/I do not know).
- 2) Please articulate your personal opinion on using social media data for emergency management.
- 3) In your region, are social media already used for Civil Protection purposes? (Yes/No/I do not know)
- 4) If present, can you list projects and activities in your area aimed at improving communication in case of emergencies?

Section 3

Title: The Project E-CITIJENS



1) Do you think that the results obtained during the project can improve the overall capacity of Civil

Protection to cope with emergencies in your area? (Yes/No/ I do not know)

2) In your opinion, which are the strongest points of the project? Please, articulate.

3) In your opinion, which are the weaker points of the project? Please, articulate.

4) In your opinion, which risk typologies that were not addressed during the project are worth to be

added?

Section 4

Title: The Emergency Decision Support System (EDSS) platform

1) Do you see the EDSS platform designed during the project as an innovative tool? (Yes/No, I do not

know)

2) Do you think the platform has a clear structure and is straightforward to use? (Yes/No, I do not know)

3) In your opinion, which platform elements could be further implemented? Please, articulate.

Section 5

Title: CP legislation

4) Concerning the CP legislation in your country, which are in your opinion the main aspects that need to

be enhanced? Please, articulate.

5) Concerning the CP legislation in your region, which are in your opinion the main aspects that need to

be enhanced? Please, articulate.

6) Which are in your opinion the principal elements to be revised in order to favour an effective cross-

border cooperation between Italy and Croatia? Please, articulate.

Section 6

Title: Final comments



1) You can leave here your comments and suggestions regarding the project results and their possible applications

The QR code to access the English version of the survey is reported in Figure 1.



Figure 1