

PROJECT PARTNERS

LP Molise Region

www.regione.molise.it

PP1 Dubrovnik and Neretva County

www.dubrovnik-neretva.eu

PP2 Marche Region

www.regione.marche.it

PP3 Split-Dalmatia County

www.dalmacija.hr/en

PP4 EEIG Eurelations

www.eurelations.eu

PP5 Friuli Venezia Giulia Region

Civil protection Dpt.
www.protezionecivile.fvg.it

PP6 Zadar County

www.zadarska-zupanija.hr

Project overall objective

READINESS (Resilience Enhancement of ADriatic basin from firE and SeiSmic) aims at increasing the safety of the Croatian and Italian Adriatic basin from natural and man-made disaster. It pursues this objective by improving the both countries' resilience and overall ability of ecosystems and communities to resist, absorb, accommodate to and recover from the effects of forest fire and earthquake hazards in a timely and efficient manner.

The cross-border partnership aims at monitoring of forest fire and seismic risks and enhancing crisis management by: a) improving proactive readiness of Civil Protection and Inhabitants; b) enhancing the monitoring of SPBs' seismic vulnerability and safety in quality and quantity then; c) strengthening the use of monitoring system in forest fire surveillance and detection. The above objective will be sought by promoting cross-border policies that encourage the development of integrated effective sustainable solutions that harmonize at the best with specific territorial contexts.

Project' specific objectives

- 1) To improve the proactive readiness of Civil Protection in facing forest fire and earthquake hazard;
- 2) To establish cross-border model and pilot actions to monitor strategic and relevant public buildings;
- 3) To improve citizens' behaviour to face forest fire and earthquake disasters.

Main outcomes

- 3 Thematic enhancement and adaptation reports;
- 1 Pilot Operational Plan Framework;
- 1 Report on implementation and evaluation of pilot deployment;
- 1 Transfer plan of policy recommendations;
- 6 Regional one-day training workshops.

Target Group

- Children;
- School-age youth;
- Volunteers;
- Civil protection servants;
- Local, regional and national public authorities erational Plan Framework;

Total budget

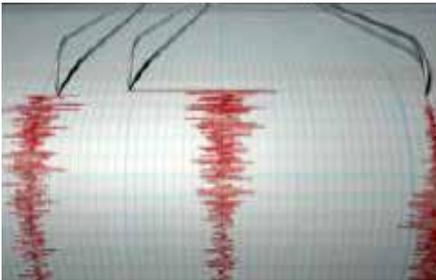
€ 1.176 000

Duration

01.01.2018 – 30.09.2019



Activity Plan



WP1: Project management and coordination of activities (01/01/2018 – 30/06/2019)

The package entails the start-up activities, the daily management and the whole monitoring of the project implementation progress and its financial management.

WP2: Communication activities (01/02/2018 – 30/06/2019)

It involves the start-up activities, the kick-off in Termoli, all the relations with media and document publication. Many digital and innovative tools are envisaged, among which video, infographics and cinemographs. Different kind of social events, work café, awareness days and international events.



WP3: Analysis & streamline of Holistic practices (15/01/2018 – 30/06/2018)

It consists in analysis of technical, scientific and practical issues related to the transferability of the outcomes and best practices. Three task forces have been set up in order to implement outlined enhancement and adaptation measures and release the methodologies, procedures and frameworks to be tested on involved territories.

WP4: Pilot projects deployment (01/07/2018 – 31/09/2019)

The WP aims at deploying the capitalized guidelines, methodologies, best practices and practical results achieved by HOLISTIC project, enhanced and systematized in the frameworks and plans released in the previous

WP5: Transfer & share of acquired knowledge (01/03/2019 – 30/06/2019)

The WP aims at transferring the tested capitalized practices and acquired knowledge and learnt lessons in the regional policies of each involved region and beyond. The above objective will be achieved primarily by adopting a transferring plan in regional policies of Strategic Agenda; secondarily by spreading and making the acquired knowledge and learnt lessons accessible and exploitable by policy makers and stakeholders within and beyond the project area through the activation of a capacity building intervention.

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[https://www.linkedin.com/showcase/](https://www.linkedin.com/showcase/readiness-project/)

[readiness-project/](https://www.linkedin.com/showcase/readiness-project/)

[https://www.youtube.com/channel/UC](https://www.youtube.com/channel/UC_8u8wCQv3Mb6RmslxunTvw/featured)

[_8u8wCQv3Mb6RmslxunTvw/featured](https://www.youtube.com/channel/UC_8u8wCQv3Mb6RmslxunTvw/featured)

<https://twitter.com/ReadinessP>



April

04/08/2019 “Cross-border awareness campaign on the forest fire and earthquake risk” – Termoli (CB – Molise Region)

Prevention, resilience and overcoming the emergency, these were the issues addressed with the students of the “Primo Circolo Didattico di Termoli” (“Termoli’s First Teaching Circle”), on 8 April 2019, as part of the “Cross-border awareness campaign on the forest fire and earthquake risk” carried out in the framework of the READINESS project.

Soon after the welcome speech by Professor Maria Luisa Forte, School Director, it was the project manager Nicola Pavone to illustrate the aims of READINESS and the awareness campaign aimed at young people and the whole citizenship. During this training session, the representatives of the Regional Fire Brigade Directorate of Molise and the representatives of the Regional Civil Protection illustrated, respectively, the role and operational functions of the Fire Brigade in the management of forest fire and seismic risk and the organization of the Civil Protection for the safeguard of citizens and territories.

The awareness day ended with an exposition of small vehicles and equipment commonly used for calamitous events (earthquakes and fires), by the Fire Brigade and the Regional Civil Protection.



04/16/2019 «Devastating earthquake Gaženica 2019» – Zadar (HR)

«Devastating earthquake Gaženica 2019» is the exercise organized during the County Day in April 16th 2019, as a part of the implementation of the Readiness project, the initiative aiming to increase the safety of the Croatian and Italian side of the Adriatic Basin from natural and man-made disasters by improving the resilience of both countries about forest fires and earthquakes. Therefore, the exercise’s purpose is to depict the activities of the operational forces in case of earthquake, checking their efficiency of handling the emergency in the Zadar County. The exercise, that lasted one hour, from 10 to 11 am, was attended by the Civil Protection Headquarters of the City of Zadar, Civil Protection Headquarters of the Zadar County, a public fire brigade Zadar, Volunteer Fire Department Sv. Filip i Jakov, the Ministry of the Interior, Police Administration of Zadar, the Department of Emergency Medicine of Zadar County, the Society of the Red Cross of Zadar County, Croatian Mountain Rescue Service - Station Zadar and a Location Coordinator. The exercise’s scenario involved an earthquake of devastating strength with the epicenter in Gaženica area with numerous of housing and business buildings collapse. Starting from such a scenario, the activation process of all the civil protection components involved was began. The scenario was developed accurately and very intelligently, so to ensure that the greatest number of operational forces were involved in the exercise, contemplating practically all the possible consequences of an earthquake in that area. At the end, all operational forces on the field reported to the coordinator at the location on the completed activities and the site coordinator reported to the Chief of The Civil Protection Headquarters of the City of Zadar on completed activities.



May

05/15-18/2019 “III Partner and Steering Committee Meeting” Ancona

From May 15 to 18, in Ancona, Regione Marche, the “III Partner and Steering Committee Meeting” was held. The meeting started with WP1 and WP2 activities in order to discuss the project’s state of art. After that, the workshop continued with the pilot results presentation, pilot assessment and WP5 activities introduction on Strategic Agenda activities. On 16th of May the PPs went to Ascoli Piceno for a workshop on Capacity building and a consequent visit to the monitored SPB and buildings related to historical earthquakes. May 17th was entirely dedicated to Strategic Agenda, with reports draft writing by seismic and firefighting TFs-guideline provided by WP5 leader. The day ended with the steering committee and with a visit to the Conero Park for the regional fire-fighting activities presentation. The last day, the meeting concluded with a Civil Protection exhibitions for school students and citizens in Jesi (Anconca – Marche Region).



June

06/26/2019 local Agenda Strategic seminar “Attività di monitoraggio sismico degli edifici strategici e formazione del volontariato di protezione civile” ANCONA (IT)

The 26th of June Marche Region partner organized and chaired the local Agenda Strategic seminar in Ancona, inviting regional councillor, mayors of Marche region municipalities, civil protection volunteers groups and local stakeholders. More than 70 people participated the event. Friuli Venezia Giulia and Molise partners, University of Marche region and National Institute of Geophysics and Volcanology presented pilot results, and future strategic actions were discussed.



July-August

From July to August - Pamphlets, published by Edurisk group (National department of civil protection), have been distributed in the framework of READINESS Project in each municipal library in the Marche Region



September

09/04/2019 The final conference and meeting of Readiness Project in Dubrovnik

The final conference and meeting of Readiness Project was held in Dubrovnik, at the wonderful Hotel Kompas. The welcome speeches was followed by a press conference and a partners' meeting. Afterwards, in the Round table "Safe Europe" it was discussed how to increase safety in Italian and Croatian regions, how different European projects can help to achieve that goal. Those aspects, defined in the strategic agenda, are described below.

Effects of the pilot projects

The deployment of Pilot projects showed that PPs were able to equip themselves with new instrumentation for seismic monitoring and forest fires monitoring and active wildfire fighting, to develop new methods of training using new IT tools, multimedia support materials and with the sharing of good practices between partners.

New prevention techniques, such as strategic building monitoring, arouse interest in measurements carried out useful to assess seismic risk, so that this activity will be extended to other buildings and used both to increase the security of strategic public buildings and for the planning of interventions and the development of local prevention strategies.

Exercises and public events made raise a request from population and stakeholder involved of more knowledge of CP system and experiences to be prepared to face natural risks.

Policy recommendations suggested

Training

The project PPs expressed the common consideration concerning the need to define homogeneous lines for training, a tool for the constitution of a common and supranational operational base to be declined then, within the national/regional C.P. system between Operators and the different Groups of volunteers, in line with the European intervention model, in the C.P. field.

The results of European projects should ensure both operational impacts and the identification of good practices to accelerate the reduction of the distances currently existing between European countries in terms of CP organization and interoperability, which is conditioned by the different distribution of risks within Europe, both regarding seismicity and forest fires.

Joint exercises and training could be a useful tool in order to allow the circulation of good practices and experiences.

Seismic risk monitoring activities

Seismic monitoring activities can be finalized to evaluate the behavior of buildings and its modifications, using different tools and in different conditions to assess any worsening of risk conditions and to assess the extent of material and casualty damage in the event of a seismic shock taking into account the typology of building involved. Knowledge acquired in "peace time" may be used just after an earthquake to evaluate safety condition of strategic buildings in the area affected by the event.

A common goal could consist in sharing data acquired during monitoring campaign using common measuring protocols, in order to create a rich database of different categories of buildings and structures examined, allowing deeper analysis of data and scientific work to improve monitoring techniques and the use of information acquired for a better in urban and emergency planning.

Also to outline are strategies and guided paths for vulnerability reduction with a chain for "seismic safety" based on resilience and prevention.

The activities to be carried out must also refer to the new European building regulations which represent the criteria to be followed for new buildings and for reducing the vulnerability of buildings.



Citizen participation

Education of population at different level improve every risk reduction strategy; starting from children is more easy and may be an efficient way to reach also adults. Involving citizens in practical activities like exercises helps comprehension of all the CP organization and the different roles of the “actors” on field, making also understand their own role as “aware citizen” who are an important part of the system.

Financial resources

The need for an increase in funding to meet the increase in requests for monitoring and instrumental needs was highlighted. More investments are important also in new IT technologies an equipment, especially to improve efficiency of teams, that often suffer of lack of personnel. New technologies are useful not only from the operational point of view, but also in the safety of operators during activities in dangerous scenarios.

Strategic actions suggested

1. Improve equipment with adoption of state of the art tools for facing emergencies
2. Train continuously the personnel and volunteers with new and classical equipment testing operative procedures and emergency plans
3. Elaborate common exercise with neighboring countries with specific experiences to share about prevention and intervention in seismic/wildfire emergencies
4. Develop new strategies also in relation to climate change/global warming and the greater risk that results for forest fire; improve risk communication to citizens with standardized protocols/color codes.
5. Encourage synergies aimed at enhancing continuous, multi-risk and multilevel training, also through joint exercises involving Administrators, Operators and Technicians, Volunteers, students and the cooperation and scientific support of Universities and Research Institutes.

