

MULTIDIMENSIONAL SEISMIC RISK ASSESSMENT COMBINING STRUCTURAL DAMAGES AND PSYCHOLOGICAL CONSEQUENCES USING EXPLAINABLE ARTIFICIAL INTELLIGENCE

MEDJIMURJE COUNTY

ACTIVITY OVERVIEW (WP2, WP6)

Novedrate, November 28th 2024



WP6: APPLICATION TO PILOT STUDIES IN CROSS-BORDER AREAS

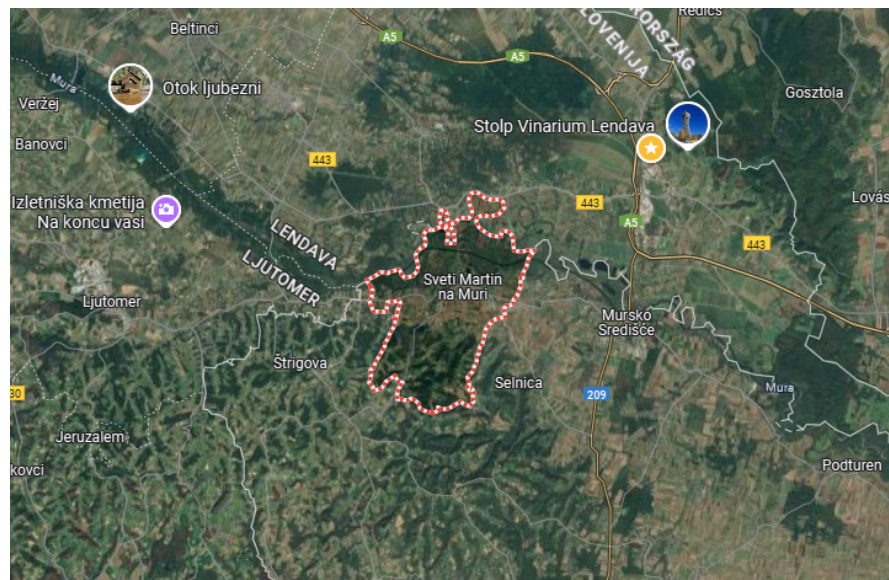
DATA COLLECTION

MEĐIMURJE POLYTECHNIC IN ČAKOVEC

- Collecting and processing data on at least 120 buildings in the Municipality of Sveti Martin na Muri
 - analyzing the construction methods of 120 buildings—reinforced concrete and others (masonry—brick, stone, etc.).
- Conducting surveys of household members associated with the analyzed buildings using an QR code—a minimum of 250 residents in the targeted area

Croatia-Slovenia border

Municipality Sveti Martin na Muri



Croatia-Slovenia border

WP6: APPLICATION TO PILOT STUDIES IN CROSS-BORDER AREAS

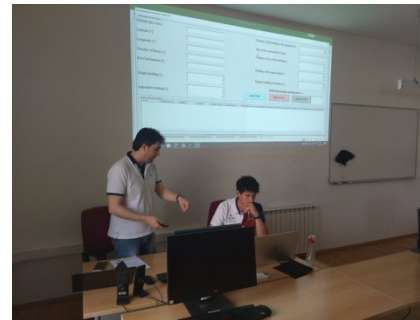
DATA COLLECTION

Municipality Sveti Martin na Muri

MEĐIMURJE POLYTECHNIC IN ČAKOVEC

The project team:

- Dr. Tibor Rodiger – Project Team Leader, Polytechnic employee
- M.Sc. Vladimir Križaić – Expert Team Member, Polytechnic employee
- Josipa Magaš, B.Sc. Civil Engineering – Expert Team Member, external associate
- Tatjana Vadas, B.Sc. Architecture – Expert Team Member, external associate
- Darinka Kalšan, B.Sc. Architecture – Expert Team Member, external associate



Tehnickal meeting, Sveti
Martin na Muri / Čakovec
July 3-5th 2024



Croatia-Slovenia border

WP6: APPLICATION TO PILOT STUDIES IN CROSS-BORDER AREAS

DATA COLLECTION

Activities completed as per the MEDEA project requirements and the contract:

Collected and processed data on 121 buildings in the Municipality of Sveti Martin na Muri, analyzing their construction methods—reinforced concrete and others (masonry—brick, stone, etc.).

Data was collected by analyzing building measurements and drawings and entering the information into the application. The buildings were categorized into five zones, determined based on the number of buildings and residents.

Conducted surveys of 253 residents from the analyzed buildings using an application (QR code).

All property owners or tenants received surveys tailored to the zone of their building. Surveys were distributed via QR codes and web links and completed anonymously.

Completed procurement for promo materials ensuring project visibility.

Croatia: Sveti Martin na Muri

114 buildings (all masonry)

- 114 complete

249 questionnaires



WP2: COMMUNICATION

International conference, Čakovec, October 3 2024,
“Crisis Management and Strengthening the Civil Protection System”

MEDEA, SAFE-LAND, ODZIV (Interreg Slo-Hr)

The Directorate of Civil Protection of the Republic of Croatia
**Strategy for the Development of the Civil Protection
System in Croatia**
Law on the Civil Protection System.



SAFETY AND PREVENTION FAIR

October 4, 2024, Čakovec



THANK YOU!

MARIJA STANKOVIĆ

MEDJIMURJE COUNTY

www.medjimurska-zupanija.hr

Marija.stankovic@medjimurska-zupanija.hr