PROJECT 2nd NEWSLETTER

Funded by European Union Humanitarian Aid

E·merge
share, prepare, respond

Friday, January 30, 2026

Share, Prepare, Respond

About EMERGE

The "**Rapid Multi-Risk Needs Evaluation and Planning Platform**" project aims to conduct comprehensive multi-country and cross-border multi-risk assessment and planning, which involves the rapid identification of needs for early crisis response based on near real-time seismic and landslide risk evaluation.

News!

- *First project progress report submitted (D1.3)*
- *EMERGE Web Platform Architecture finalized (D2.3)*
- *Social Vulnerability Assessment completed (D3.1)*
- *Building and Infrastructure Exposure Modelling completed (D3.2–D3.3)*
- *Civil Protection Resources framework established (D3.4–D3.5)*
- *Two key project milestones successfully (MS4 & 6) achieved*
- *Abstract submitted to ICONREM2026*
- *Three abstracts submitted to 18ECEE*

Six-Month Progress Overview

During this second reporting period, EMERGE reached several important technical, reporting, and dissemination achievements. The first project progress report was successfully submitted (D1.3), marking a key step in formal project monitoring and coordination. The EMERGE Web Platform Architecture was finalized (D2.3), establishing the core digital infrastructure for data integration and future analytical functionalities. Substantial analytical progress was achieved with the completion of the Social Vulnerability Assessment (D3.1) and the Building and Infrastructure Exposure Modelling (D3.2–D3.3), strengthening the project's evidence base for multi-risk assessment. In addition, the Civil Protection Resources framework was established (D3.4–D3.5), enhancing the linkage between risk analytics and operational preparedness. These advancements enabled the successful achievement of two key project milestones (MS4 and MS6). EMERGE also advanced its scientific dissemination activities, with one abstract submitted to ICONREM26 (Florence, Italy) and three abstracts submitted to the 18th European Conference on Earthquake Engineering (Berlin, Germany).

D1.3 | First project progress reports
Submitted/Approved

Deliverables Completed ✔

D2.3 | EMERGE WBP architecture
Submitted/Approved

D3.1 | Socio-Economic Vulnerability Assessment
Submitted/Approved

D3.2 | Residential, Commercial and Industrial Buildings Vulnerability Assessment and Prioritization of interventions
Submitted/Approved

D3.3 | Basic Services and Transport Infrastructure Vulnerability Assessment Prioritization of Interventions
Submitted/Approved

D3.4| Evaluation of Civil Protection Resources, Capacities and Capabilities
Submitted/Approved

D3.5 | Executive summary of Civil Protection Resources, Capacities and Capabilities
Submitted/Approved

All reports you may download from web: https://civil-protection-knowledge-network.europa.eu/projects/emerge#inpage-section-outputs-results

Working Packages Status

WP1 – Project Management

Project governance and quality procedures are in place (PMB/WP leadership, internal review/QA), with continued focus on timely partner inputs and consistent documentation—especially for sensitive data handling.

WP2 – Multi-Risk Assessment Platform (Web-Based Platform)

The web platform architecture is finalized, and the platform is progressing as a modular tool for early response, integrating upgraded exposure layers, updated vulnerability models, and near-real-time seismic inputs. Key follow-ups include closing fragility model gaps, resolving boundary inconsistencies, and advancing near-real-time landslide scenario tooling.

EMERGE RNA METHODOLOGY

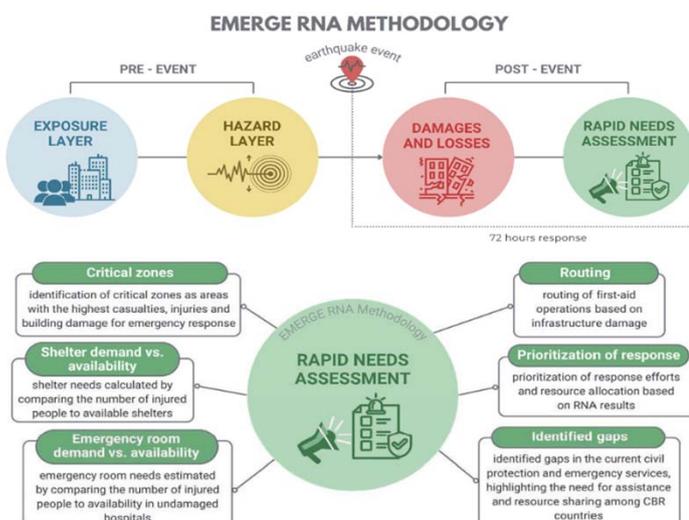## WP3 – Exposure, Resources and Capacity Portfolio

WP3 outputs have advanced strongly: Social Vulnerability (SoVI) is implemented at municipality level (AL/GR/MK), exposure portfolios for buildings and critical assets are developed, and civil protection resources/capacities data collection is finalized (with variable response rates that still need strengthening).

WP4 – Ground Shaking Map (Near Real-Time)

The near-real-time ground-shaking workflow is operational in concept, built around real-time processing and ShakeMap products, delivered in interoperable formats (e.g., GeoJSON/API) for ingestion into the WP2 platform.

WP5 – Dissemination, Communication and Exploitation

Dissemination and engagement activities are progressing against plan, tracking newsletter/web/social indicators and supporting scientific dissemination. Preparations are also aligned toward the planned Bitola workshop to showcase the beta platform and collect end-user feedback.

https://civil-protection-knowledge-network.europa.eu/projects/emerge

Conferences – follow up!

FLORENCE 2026
ICONREM
4th International Conference
Resilience, Multi-risk Assessment
and Monitoring

https://www.iconrem.it/

Salic Makreska, R., Gjorgjiev, I., Bojadjieva, J., Apostolska, R., Sheshov, V., Borzi, B., Pitilakis, D., Riga, E., Amendola, C., Baballëku, M., Calò, M., Mucedero, G., Monteiro, R., Ktenidou, O.-J., Stefanoski, S., Atanasovska, V., Nikolla, K., Jovanovski, V., van Wijk, T., Zgjanjolli, R., Edip, K., Chapragoski, G., Neziri, Z., & Tomic, D. (2026). **Rapid multi-risk needs evaluation as a basis for cross-border emergency planning**.

ECEE2026
18th European Conference on Earthquake Engineering
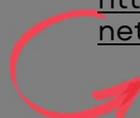
https://ecee2026.eu/

Salic Makreska, R., Gjorgjiev, I., Bojadjieva, J., Apostolska, R., Sheshov, V., Chapragoski, G., Borzi, B., Di Meo, A., Bozzoni, F., Quaroni, D., Pitilakis, D., Baballëku, M., Monteiro, R., Mucedero, G., Calò, M., Ktenidou, O., Stefanoski, S., Atanasovska, V., Nikolla, K., Jovanovski, V., van Wijk, T., & Zgjanjolli, R. (2026). **Near real-time shaking information to resource prioritisation in cross-border regions.**

Borzi, B., Di Meo, A., Quaroni, D., Bozzoni, F., Salic Makreska, R., Bojadjieva, J., Apostolska, R., Gjorgjiev, I., Riga, E., Amendola, C., Pitilakis, D., Monteiro, R., Mucedero, G., Calò, M., Qirjazi, G., Luka, R., Dushi, E., Ktenidou, O., Stefanoski, S., Nikolla, K., Atanasovska, V., Jovanovski, V., van Wijk, T., & Zgjanjolli, R. (2026). **EMERGE: A web-based platform for multi-hazard assessment and early crisis response in the cross-border region of North Macedonia, Albania and Greece.**

Amendola, C., Riga, E., Pitilakis, D., Monteiro, R., Mucedero, G., Calò, M., Luka, R., Apostolska, R., Salic Makreska, R., Zlateski, A., Zurovski, A., Chapragoski, G., Delova, E., Tomic, D., Di Meo, A., Bozzoni, F., Borzi, B., Stefanoski, S., Ktenidou, O., Nikolla, K., Atanasovska, V., & Zgjanjolli, R. (2026). **Assessing social vulnerability to natural hazards in cross-border regions: The EMERGE project.**

https://civil-protection-knowledge-network.europa.eu/projects/emerge

Social Media

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EMERGE project - Rapid Multi-Risk Needs Evaluation and Planning Platform

The EMERGE project aims to conduct comprehensive multi-country and cross-border multi-risk assessment and planning

Research Services · 104 followers · 51-200 employees

https://www.linkedin.com/company/emerge-project-rapid-multi-risk-needs-evaluation-and-planning-platform/about/?viewAsMember=true

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