



# Support Action for Strengthening PAlestine capabilities for seismic Risk Mitigation



## SASPARM 2.0

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### The Consortium

The project continues the cooperation with Europe's neighbours in the context of the European Research Area, started by SASPARM, an FP7-Project. The European Centre for Training and Research in Earthquake Engineering (EUCENTRE), acting as coordinator, the Institute for Advanced Study of Pavia (IUSS) and An-Najah National University (ANNU) in the Palestinian-administered Areas (PS) are working together to meet the goals of SASPARM 2.0

### Goal of the Project

The main project goal is to create a web portal where different users (students/citizens/practitioners/GO and NGO stakeholders) will be able to input and manage all the data on buildings, with increasing level of detail, and obtain all the information about the related seismic risk.

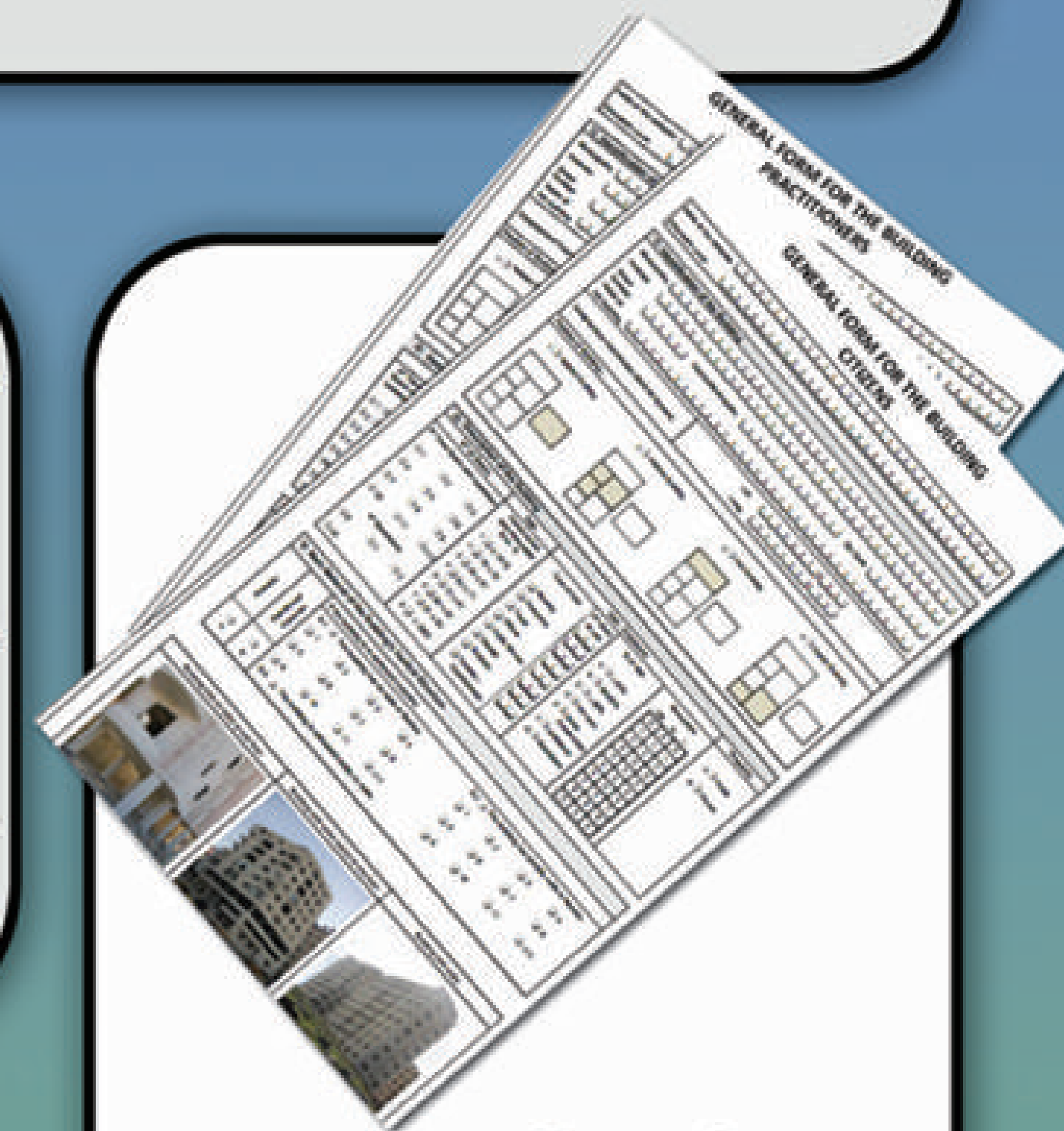
### Expected Results

- » An increased awareness of seismic risk by the actors involved in the project: students, citizens, practitioners, GO and NGO stakeholders.
- » A shared database (DB) including a large number of vulnerability data.
- » A Web-Based Platform (WBP) that integrates the data above and treats them, through vulnerability models developed for the Palestinian building typologies, to evaluate seismic risk.
- » Guidelines on the implementation of measures to reduce vulnerability and, hence, mitigate seismic risk.
- » Guidelines for risk management policy aimed at mitigating the impact of socio-economic losses.

### Project Follow-Up

- » To extend the case study of Nablus municipality not only to all the other Palestinian municipalities but also to other Third and European Countries
- » To engage policy makers and government to foster long-term actions to organize Palestinian stakeholders' actions in order to favour the foundation of a Palestinian Civil Protection Mechanism that could follow the future process of vulnerability mitigation measures (after the project lifetime)
- » To establish the concepts of risk governance to account for the possibility of earthquake insurance coverage (considering that the related cost would be reduced if private initiative in retrofitting would be taken);
- » To ensure the maintenance of the Web-Based Platform to collect larger amounts of data on seismic vulnerability of citizens' properties first and public buildings next in order to keep the process of increasing awareness going on after the project lifetime.
- » To promote new undergraduate and graduate courses on seismic risk mitigation since the training on this topic will play a fundamental role for the continuation of the project aims even after its lifetime.

As a result of this, a new master program has been established on Disaster Risk Management at ANU. This program was welcomed by the Palestinian governmental and non-governmental organizations working on Disaster Risk Reduction.



### Data Collection

Two different data collection forms were realized whose level of detail will depend on the degree of knowledge of the target users. The collection of data through the forms, in fact, will be done by ordinary citizens and practitioners who will have an active part in the process of collecting data on site. All this information will be used to identify the vulnerability of the buildings according to their structural type. Appropriate retrofit measure for the mitigation of seismic risk will be suggested to the end users of the platform.