

KNOWRISK PROJECT

Know and reduce non-structural seismic risk.



KnowRISK (Know your city, reduce seismic risk through non-structural elements) is a EU Project that tries to facilitate local communities access to expert knowledge on non-structural seismic protection solutions.

The project includes risk communication strategies for the general public and for schools, through the engagement of students.

Augmented reality, shake table tests and the production of films will be used as education tools, for the assessment of seismic performance of non-structural elements in common living spaces.

New user-friendly risk maps and seismic scenarios will be available, for the pilot areas of Portugal, Italy and Iceland.

A Practical Guide is provided for the dissemination of good practices to reduce the most common non-structural vulnerabilities, to promote reduction in life loss, injury and damage.



Co-financed by European Commission's Humanitarian Aid and Civil Protection Grant agreement ECHO/SUB/2015/718655/PREV/28

**ARE YOU
TAKING TOO
MANY RISKS ?**



DID YOU KNOW THAT

Small Earthquakes can cause serious damage?

Damage is not just structural.



Falling building components or heavy equipment, cause most of the damage, losses and injuries, during and after an earthquake.

70%-85% of construction cost goes into non-structural components. Most services and operations depend on them. They are also the most vulnerable to earthquakes.



Non-structural damage can strongly influence the ability of communities to cope with and recover from earthquakes.



HOW CAN YOU TELL

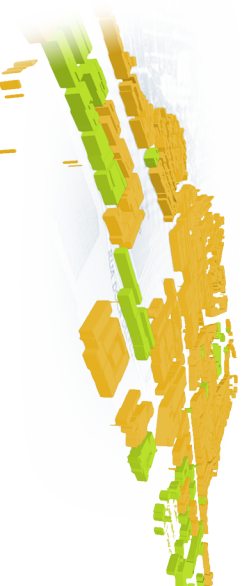
If you live in a risk-prone area? We have a Map.

Check your living area and know your risk.

The project provides risk maps for the pilot areas of Italy, Portugal and Iceland, through the definition of seismic scenarios critical for non-structural damage.



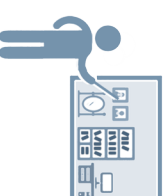
Projections can be used to forecast damage intensity for populated areas, to promote reduction in life loss, injury and damage.



WHAT CAN YOU DO

To reduce non-structural risk? You can fix it, Do-It-Yourself!

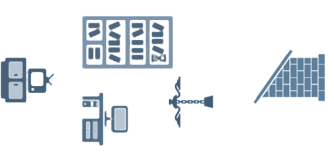
Easy fixing and simple planning make the difference.



Identify what non-structural risks exist in your home, school or workplace.
Secure non-structural building elements and furnishing.

Brace masonry chimneys.
Strap bookcases, computers and expensive or dangerous electrical components.

Secure ceiling fans and hanging light fixtures. Fasten heavy pictures and mirrors.



Secure cabinets. Prevent the rolling and tilting of refrigerators. Ensure that gas appliances have flexible connections. Brace water heaters and know how to shut off utilities.

