



VULNERABILITY DIMENSIONS

SCENARIOS

We are in a small town located on the slopes of a **hill** where there are several brand new **buildings** in the most central area, but also older **family houses**, all built with earthquake-resistant materials, especially in the areas just outside the town centre, and **older houses** now almost all uninhabited in the surrounding countryside. The area is not very large, but there are nevertheless several facilities: there is a **middle school** just built with earthquake-resistant materials right in the centre of town. There is also a **primary school** in the more peripheral area near a fenced park with **large trees** providing shade where the **boys and girls** can play. The building in which the primary school is located is rather old and would need to be earthquake-proofed. Near the school there is a **small river** that is usually dry and does not bring much water. There is a **shopping centre** in the town, also very close to the river, which is open every day and where young people, adults and the elderly can buy necessities. The shopping centre was built a few years ago, but was recently renovated to make it earthquake-proof. Many **commuters** come to this town to work by train. The journey is not very convenient because the station is located a little outside the city centre, but arriving by car would take a long time because the **main road** is always busy (and travelling by public transport is more sustainable!). In fact, this road, which passes not very close to the river, connects the city to the nearest **hospital**, which is 30 kilometres away. Not far from the river there is also a very old **church** that is visited by **citizens** and **tourists**. Near the church there is also a new **museum** built of wood, where several **paintings** and **statues** of important economic and cultural value are kept. The town is in an earthquake zone.





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FLOOD SCENARIO

It is Saturday afternoon, some children are playing in the park, the shopping centre is about to close and by now almost all the customers are going home. A very strong thunderstorm breaks out, with large bolts of lightning falling not far from the park, striking a tree that breaks and falls onto the road. The rain causes the riverbed to fill up in no time, and it cannot contain the large amount of water. The whole surrounding area is flooded, including the school and park. Lightning strikes the power line, making it impossible to use the train station. The church is now closed to the public, but the museum organised an exhibition for the evening, which was a great success among both locals and citizens of neighbouring villages.

EARTHQUAKE SCENARIO

It is early Tuesday morning and a tremendous earthquake with epicentre 20 kilometres away in the direction of the hospital strikes the town, causing major damage to various structures and infrastructure. Commuters are on the train to work and traffic on the main road is also heavy. The shopping centre has not yet opened, but some visitors have already started guided tours of the church and museum. Primary and secondary school children are already at school, each in his or her own classroom because classes are about to start. Many elderly people are at home, either in the flats in the new buildings or in the nearby cottages.

