



AF8 [Alpine Fault Magnitude 8] is a collaborative effort to save lives by **planning and preparing a coordinated response across the South Island** after a severe earthquake on the Alpine Fault.



## **WE CAN'T PREDICT EARTHQUAKES BUT WE CAN PREPARE FOR THEM.**

While we can't predict when earthquakes will occur, scientific research has shown that the Alpine Fault has an unusually regular history of producing large earthquakes. Over the last 8000 years, the Alpine Fault has ruptured 27 times, on average that's every 300 years. The last significant quake on the Alpine Fault was in 1717. The next severe earthquake on the Alpine Fault is likely to occur within the lifetime of most of us, or our children.

Until now, however, there has been no comprehensive study of the impacts a rupture would have on people living in communities across the South Island and our infrastructure. AF8 is a programme of scientific modelling, response planning and community engagement designed to address that knowledge gap.

## **WHAT IS THE ALPINE FAULT**

The Alpine Fault runs for over 800km up the spine of the South Island's West Coast. It's the part of the active boundary between the Pacific and Australian tectonic plates where they intersect on land. It can be seen from space and is one of the world's major geological features.

**CHECK OUT OUR WEBSITE FOR MORE INFORMATION:**

[WWW.PROJECTAF8.CO.NZ](http://WWW.PROJECTAF8.CO.NZ)

