

# Modeling the Effects of Disasters on a Human Population and Resources



Recently, over the past decades, numerous disasters have such as earthquakes, tsunamis, have struck all over the world, and this project is an attempt to not only to model these effects of disasters on humans populations accurately, but also to extrapolate the effects of future disasters on a nearby human population using System Dynamics.

## The System Dynamics Approach

How would a disaster affect a human population, the resources it uses, and the recovery of a population? These questions can best be answered using System Dynamics. By making an interconnected web of relationships, as shown to the right, data can be simulated accurately and later extrapolated.

