function(sim){

# sim<<-read.csv(file)

#sim <- file

x<-sim$Lon

y<-sim$Lat

z<-sim$Extinct2080

Goph<-interp(x, y, z, xo=seq(min(x), max(x), length = abs(min(x) - max(x))\*6), yo=seq(min(y), max(y), length = abs(min(y) - max(y))\*6),linear = TRUE, extrap=FALSE, duplicate = "strip", dupfun = NULL, ncp = NULL)

filled.contour(Goph,color.palette=partial.rainbow(start=.0, end=.7),plot.axes={map('state',add=TRUE, resolution=0) ; map('world',add=TRUE, resolution=0); points(x,y,pch=20,col="black",cex=.25)})

}