

planet risk

$$F \propto V(\text{mph})^{1.1} \cdot 1^{*} (f+2)^{1.5}$$

Natural Disaster

Result = Death
Solution = Predict the outcome
How = Fujita Scale

Tornado

Disease (Natural Occurance)

By 2050 Europe's population is estimated to decrease from 710 million to 131 million, due to new, advanced, unknown diseases.

Measured with the Fujita Scale. The only means of predicting how much damage will be done. Based primarily on the damage done to humans, buildings, structure and vegetation.

Strength of the Tornado is measured as 'F0-5'
F0 = weakest
F5 = strongest

Temperature change due to increasing amounts of CO₂ concentration in the atmosphere
 $dT(\text{m}) = \frac{2}{100} \cdot \frac{\text{inf}(\text{m})}{\text{co}}$

Unrenewable Energy Resource (Burning of fossil fuels)

GLOBAL WARMING!

If mass = 20kg and windspeed (m) = 10 (s) = 5
 $10:5 = 2$ then
 $20 \times 2^2 = 40^2$
1600 (j)

Renewable Energy Resource (Wind Power)

$KE = \frac{1}{2} mv^2$
Kinetic Energy = half of mass (kg) x wind speed (m/s) squared.

