KISS THE GROUND

KEY TERM:
- SOIL DEGRADATION
- DESERTIFICATION
- MICROCLIMATE
- MACROCLIMATE
- WATER SCARCITY
- LEACHY LOAD
- BIOSEQUESTATION (CARBON CAPTURE)
- DRAWDOWN
- REGENERATION

PRECIPITATION

60% COMES FROM THE OCEAN

40% COMES FROM MICROCLIMATE. THESE HAVE BEEN DESTROYED.

1930S THE DUST BOWL 200 000 MILLION ACRES DESTROYED.

40 MILLION MIGRANTS EVERY YEAR BECAUSE OF WATER SCARCITY

POOR LAND → SOCIAL BREAKDOWN.

CASE STUDY:
CHINA 1994
MOST ERODED PLACE ON EARTH.
35 000 sq KM
PROJECT OF
14000 sq KM REGENERATED.
LED TO MASS ECONOMIC GROWTH.
LOESS PLATEAU
AFFORESTATION

SOIL CONSERVATION SERVICE TO SOLVE

NRCS.

DRAWDOWN REQUIRES CAPTURING CARBON STORED IN THE ATMOSPHERE.

CARBON.

BURNING FOSSIL FUELS.

REGENERATIVE AGRICULTURE. SOIL COVER HELPS WATER STORAGE.

UN ⇒ THERE ARE 60 HARVESTS LEFT.

INDUSTRIAL AGRICULTURE.

PESTIC: TOXIC CHEMICALS + TILLING (ORIGINATING FROM WW2)

ALSO, SEPARATE LIVESTOCK AND CROP FARMING. (MONOCULTURE)

25% OF LAND MASS HAS BEEN DEGRADED BY HUMANS

THE SOIL COULD BE THE ONE TOOL TO SEQUESTER CARBON AND REDUCE CLIMATE CHANGE

1/3 OF THE EARTHS TOP SOIL

ALLAN SAVORY
DAMAGED SOILS EMIT A HUGE AMOUNT OF CARBON.
DESERTIFICATION

HEALTHY SOIL IS THE MOST IMPORTANT FACTOR TO RESOURCE CONSUMPTION + CLIMATE CHANGE.

EROSION IS ONE OF THE BIGGEST THREATS TO MANKIND

SOLUTION
- COVERED PLANET IS A HAPPY PLANET.

POLITICS OF CLIMATE CHANGE
COP21 = 2015
INDIA/CHINA/USA NOT SIGNED ON THE AGREEMENT TO CAPTURE MORE CARBON

INRA (FRENCH MINISTRY OF AGRICULTURE)
HAS BEEN STUDYING SOIL FOR MORE THAN 100 YEARS.
SOLUTION 4 FOR 1000 INITIATIVE