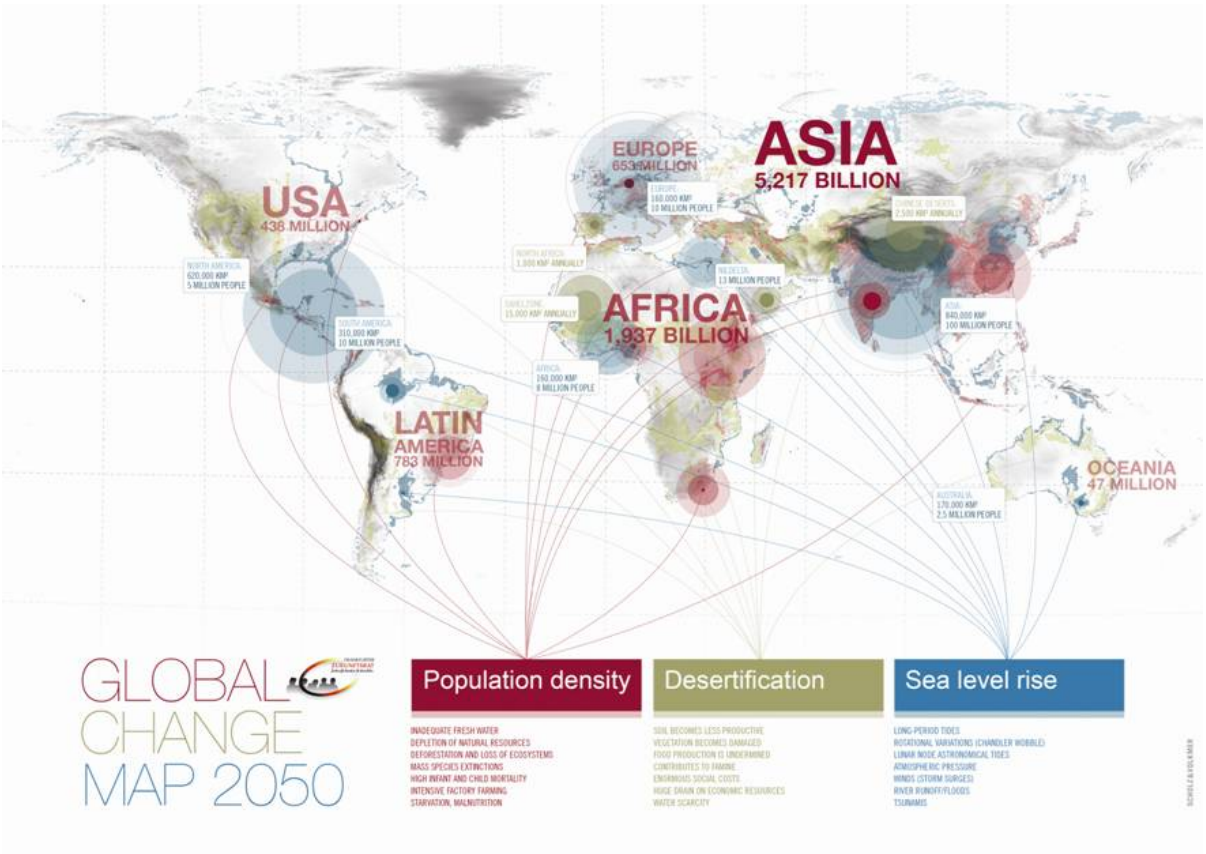

GLOBAL CHANGE MAP 2050

Population density

INADEQUATE FRESH WATER
DEPLETION OF NATURAL RESOURCES
DEFORESTATION AND LOSS OF ECOSYSTEMS
MASS SPECIES EXTINCTIONS
HIGH INFANT AND CHILD MORTALITY
INTENSIVE FACTORY FARMING
STARVATION, MALNUTRITION

Desertification

SOIL BECOMES LESS PRODUCTIVE
VEGETATION BECOMES DAMAGED
FOOD PRODUCTION IS UNDERMINED
CONTRIBUTES TO FAMINE
ENORMOUS SOCIAL COSTS
HUGE DRAIN ON ECONOMIC RESOURCES
WATER SCARCITY

Sea level rise

LONG-PERIOD TIDES
ROTATIONAL VARIATIONS (CHANDLER WOBBLE)
LUNAR NODE ASTRONOMICAL TIDES
ATMOSPHERIC PRESSURE
WINDS (STORM SURGES)
RIVER RUNOFF/FLOODS
TSUNAMIS

SCHILLER/FOLKMER