Environmental determinants of health in Africa

Continental challenges and change

Environmental challenges
- Water and sanitation issues
- Reduced agricultural yields
- Rapid unplanned urbanisation
- Indoor and outdoor air pollution
- Climate change
- Temperature increase of 4°C

Health consequences
- Hunger, thirst and malnutrition
- Changing disease vectors and patterns
- Three diseases carry 60% of health impacts
  - diarrhoea
  - respiratory infections
  - malaria

In Africa, 28% of the disease burden can be attributed to the environment.

It’s going to get worse
By the year 2100 the projections indicate:

- Disease: Environmental changes lead to more vectors. According to the Mapping Malaria Risk in Africa (MARA) Project, there may be...
- Water: Rising temperatures and droughts may mean...
- Climate change: Altered weather patterns will possibly lead to...
- Population: The population could grow from 800 million to 4 billion, which is...

16-28% increase in person-month malaria exposures
40% less rainfall
4°C increase in temperature
500% more people