

Topic 1:

1.1 Perspectives

- Harambe the Gorilla

1.2 Systems

- Biosphere 2 in Arizona, USA
- The Gaia theory by James Lovelock
- Daisyworld Model by James Lovelock and Andrew Watson
- Chesapeake Bay, USA
- The Dust Bowl

1.3 Sustainability and Environmental Justice

- Deep Horizon Oil Spill in the Gulf of Mexico
- Why is Ghana fast-fashion's dumping ground?
- France embedding the circular economy

Topic 2:

2.1 Individuals, populations, communities and ecosystems

- Niche roles in the Savanna biome
- Population growth curve on reindeer on St. Matthew Island
- Keystone species - Wolves of Yellowstone and African elephants in the savannah.

2.2 Energy and biomass

- Gorongosa National park

2.3 Biogeochemical cycles

- Amazon rainforest as a carbon store
- Iceland and Switzerland using carbon capture technology

2.4 Climate and Biomes

None

2.5 Zonation, succession and change in ecosystems

- Villars zonation
- Surtsey succession
- Broadwalk Wilderness at Rothamsted secondary succession

4.1 Water systems

- Aral Sea
- Sponge cities in China