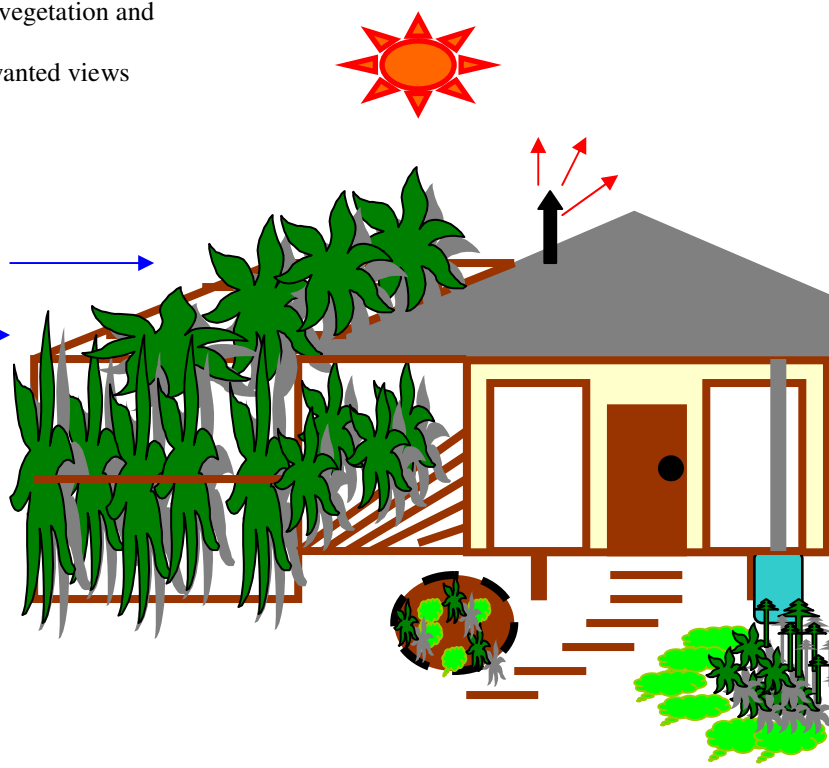
Factors to Observe in Sector Analysis

•Summer & winter sunrise and sunset arc showing any shading
•Summer winds and harsh summer storms
•Cold, gusty wind direction
•Likely direction of danger of fire, pollution, flood and cyclones

•Average & extreme annual rainfall figures plus quality – heavy, mist, damaging – & frosts
•Neighbouring vegetation and buildings
•Unsightly or wanted views

•Possible direction of entry of free-ranging or undomesticated wildlife

Tropical House Design

•Capturing the cooling breezes as much as possible-convection is your friend
•High roof - heat can rise above living area
•Shade trees on sunny side (N & W)
•Shade house
•Soft colours/reflective both inside and out
•Concrete slab - thermal mass conduction
•Screened open plan house
•Semi-detached kitchen area
•Wide eves block summer sun, allow winter sun in
•Heated air from cooking place in winter
•Cob walls, straw bale, off ground timber
•Cool air through pipe underground, through shade house to a vent in roof
•Curtain to keep cool air down low in living space
•Metal pitched roof for water collection