

Distance: 0.94 AU, Carrying Capacity: 40 billion ppl,  $\gamma$ : 3.398

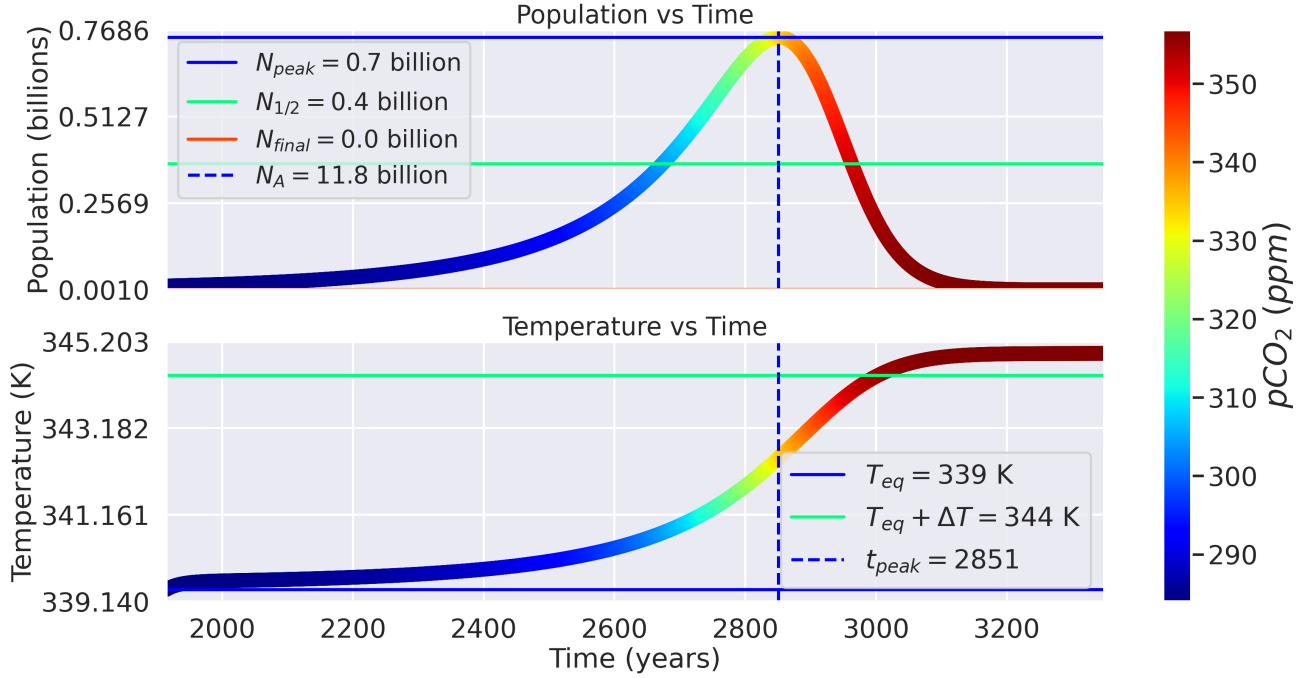


Figure 1: **(1) Runaway Greenhouse Effect** (death by distance)

Distance: 1.0 AU, Carrying Capacity: 100 billion ppl,  $\gamma$ : 1.215

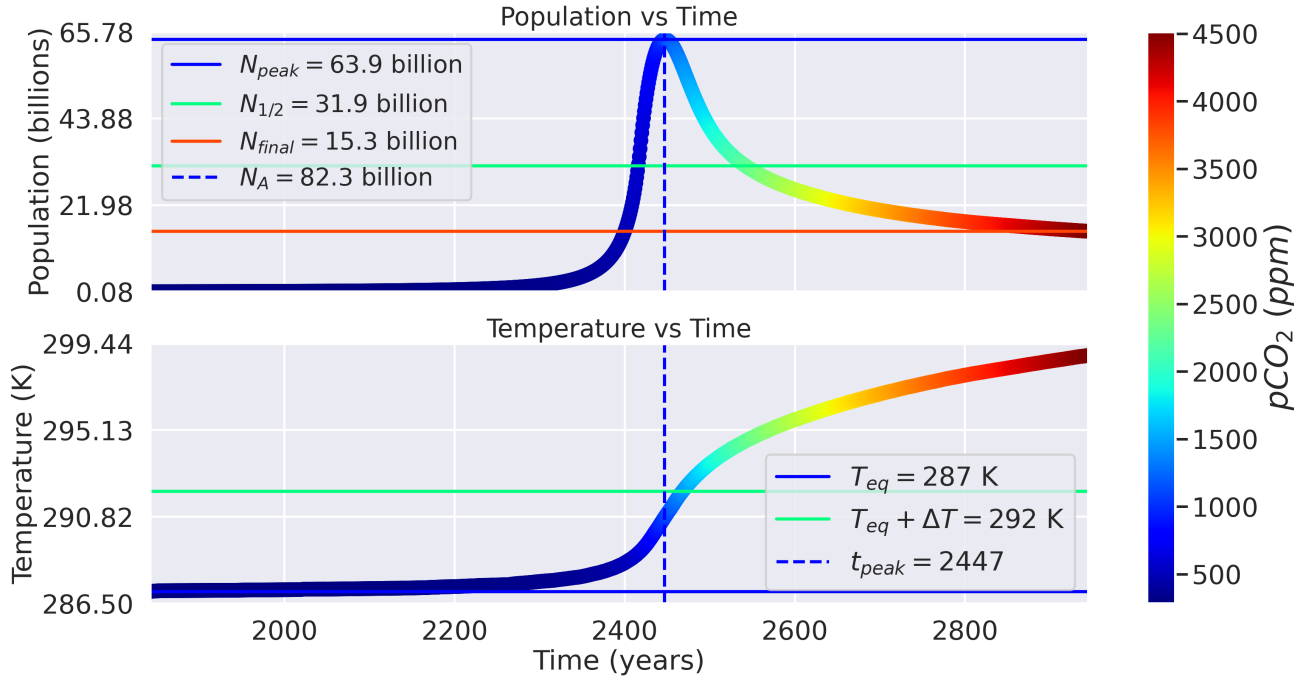


Figure 2: **(2) Hard Anthropocene** (green line high above red one)

Distance: 1.02 AU, Carrying Capacity: 10 billion ppl,  $\gamma$ : 0.125

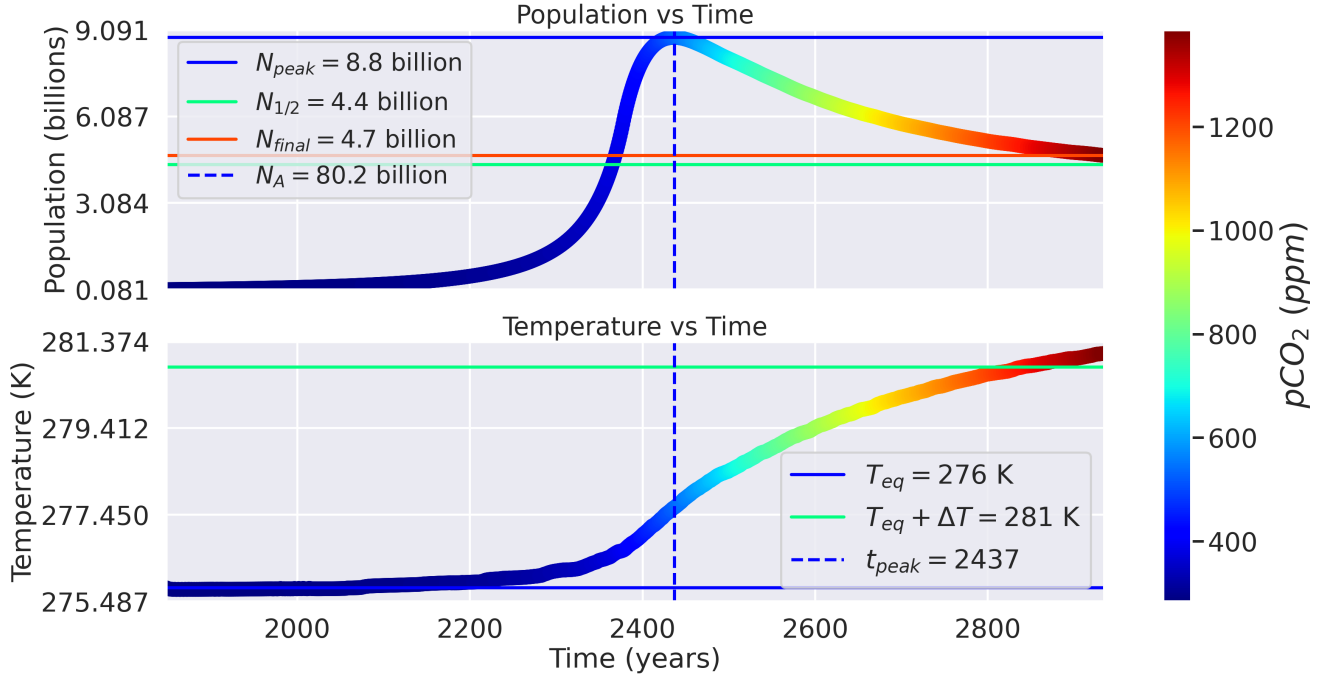


Figure 3: **(3) Soft Anthropocene** (green line close to red line)

Distance: 1.0725 AU, Carrying Capacity: 40 billion ppl,  $\gamma$ : 0.017

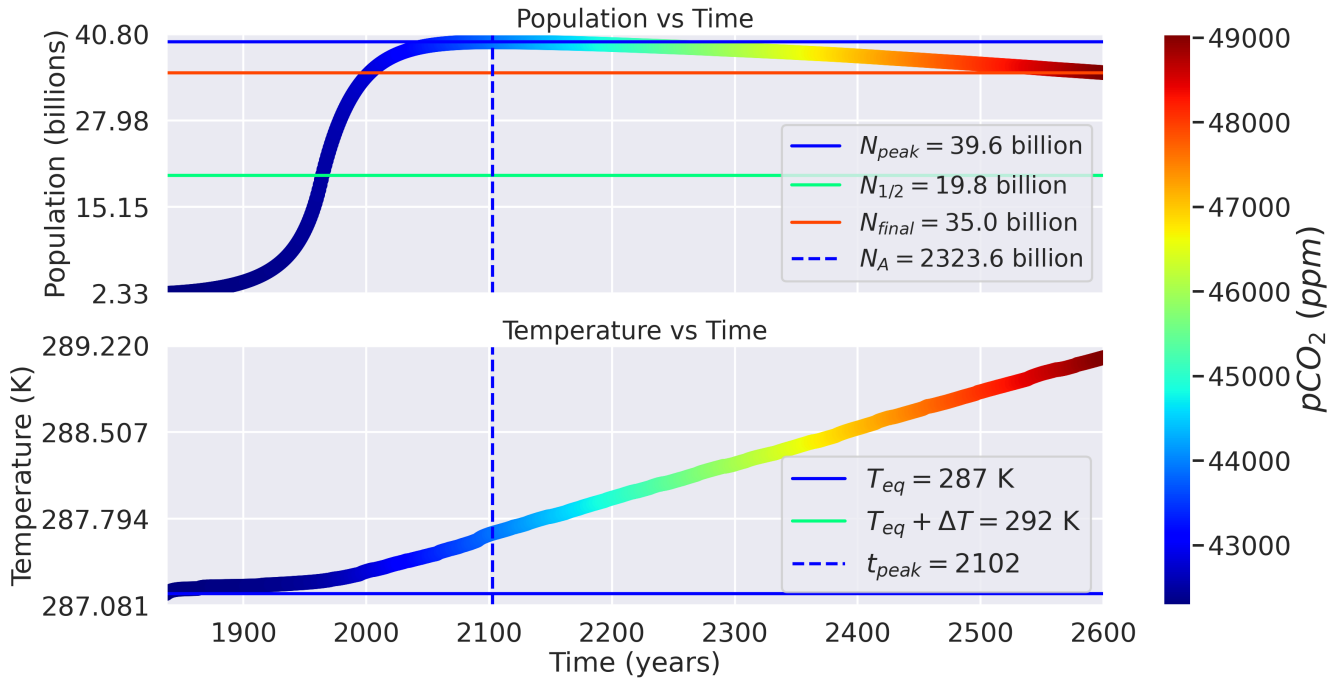


Figure 4: **(4) Overpopulation** (carrying cap reached)