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(non-stationarity of level & trend of central moments, non-homogeneous fluctuations/variance)

2. No *memorylessness* property

(after-effects of interactions with internal and external environment: long-range dependence, anomalous diffusion)

3. Subject to *ageing* and '*ecometamorphism*'

(loss of identity over time which leads to increased individuality; loss of specificity/coherence of form/boundary/individuality)

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(*internal state dynamics = internal degrees of freedom*: Many interacting constituent parts which can also be complex adaptive systems with their own dynamics, unique interaction biography, idiographic approach. A coupled system can also have an “internal” state = *not* a physical boundary)

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