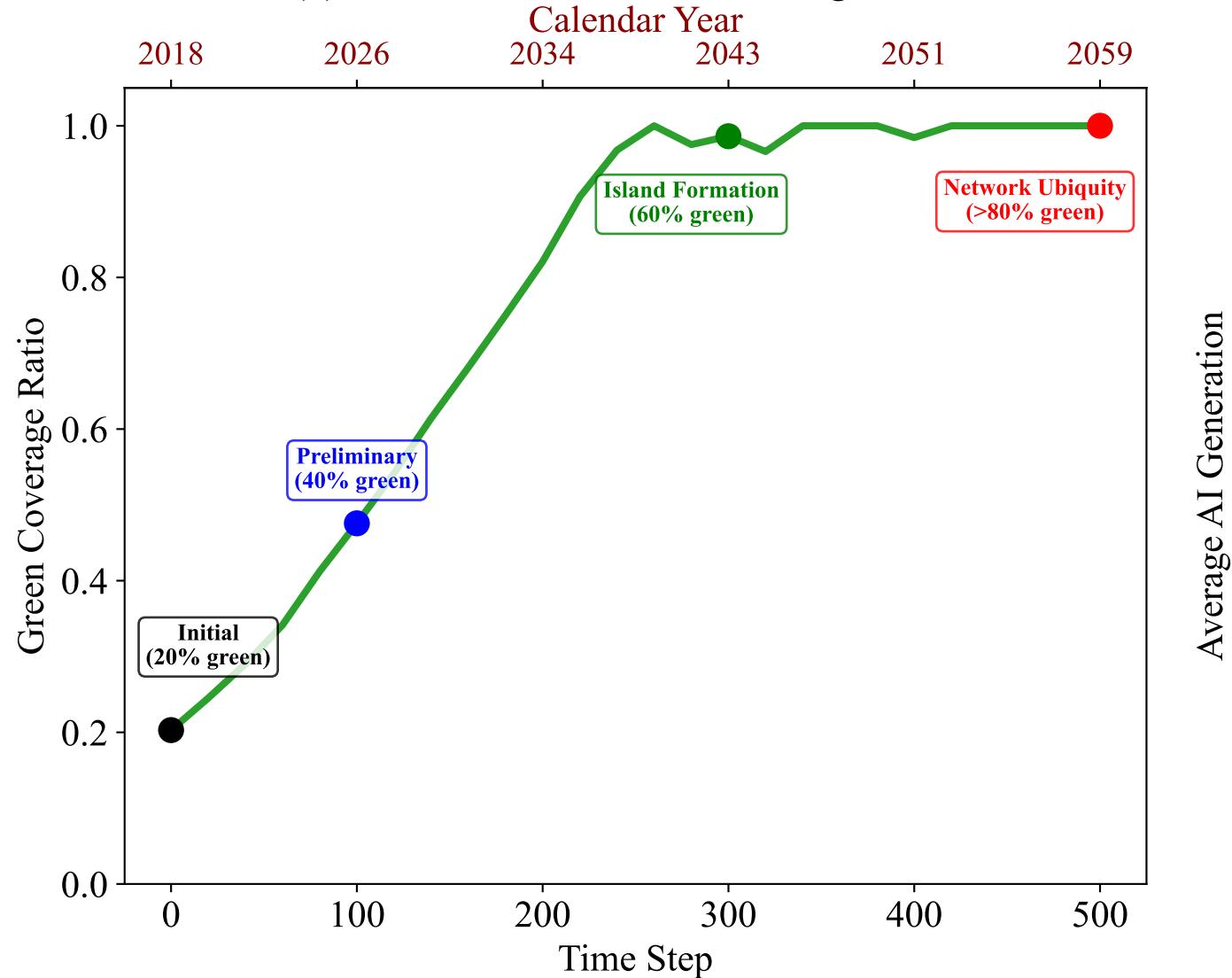
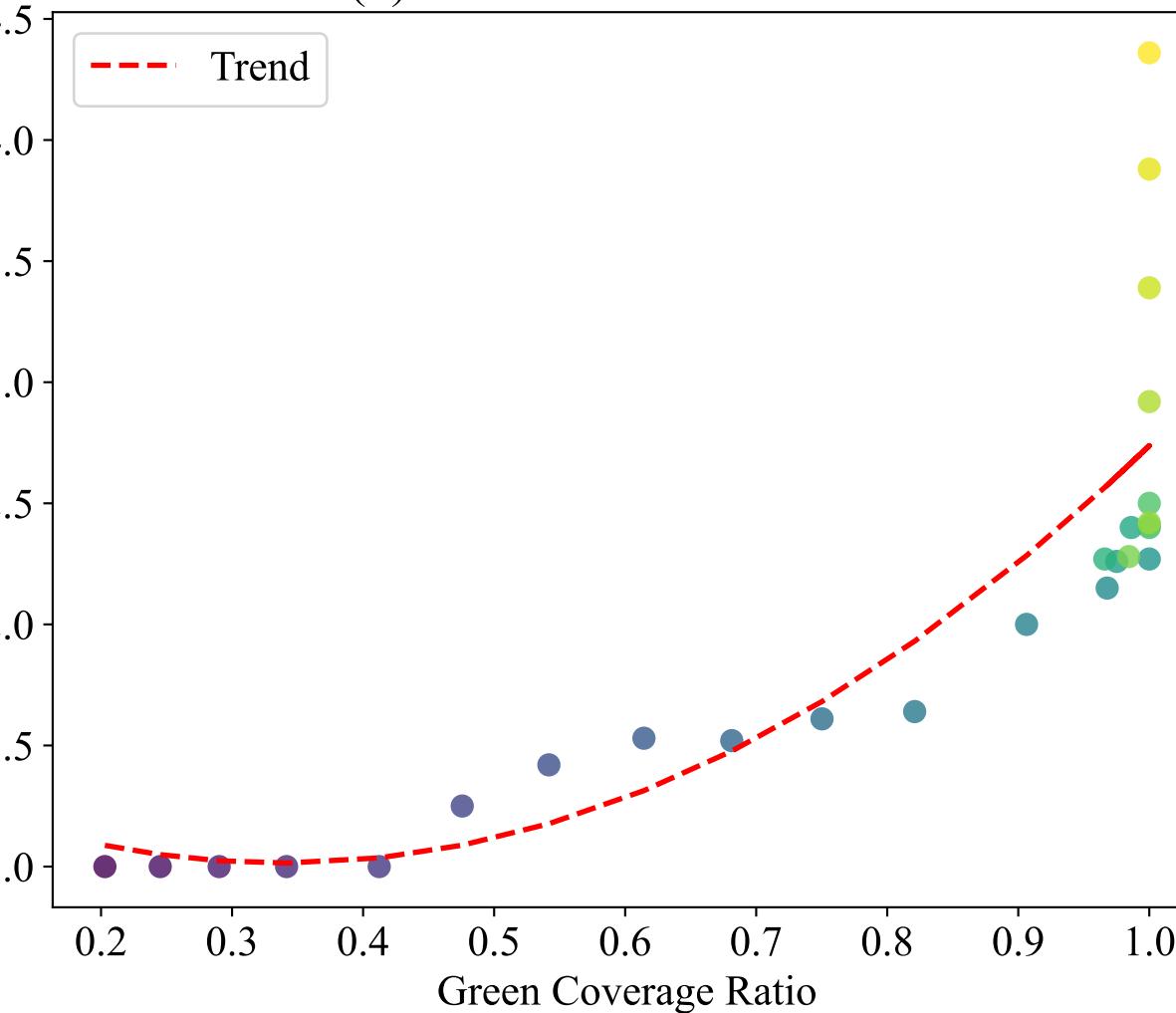


**Figure X: Macro Evidence of Pathway 2 – Knowledge Diffusion and Cluster Proliferation**  
**(Point → Cluster → Network Evolution)**

**(a) Green Transformation Progression**



**(b) AI–Green Co-evolution**



**(c) S-curve Adoption Reflecting Cluster Growth**

