

Factor landscape: the pico-micro impacts of meso-macro (institutional) failure.

| <i>Principal</i> | | <i>Factors</i> | <i>Exogenous Factors</i> | | | | |
|---------------------------|-----------------|---|--------------------------|---|---|--|--|
| Pico (person) | | - poor products/ low value proposition in niche markets; - low participation to the economy - persistent poverty | polarized economy | high entry barriers, highly priced, low variety/low innovation market for software, content, learning and product/service development (winner-takes-it-all) | weak national institutions vis-a-vis global dominant incumbents in the knowledge economy; | Insecurity, non-sustainability, non-inclusivity, | Biophysical environment (including geography, weather, biodiversity) |
| Micro (firm) | demand | - operational and transitional inefficiencies; - lock-in and high switching costs; - little competition and variety; - rapid depreciation (pursued by supplier) | | | | | |
| | supply | <i>Software</i> : monopolies; lock-in tactics; proprietary control of architecture; silo architecture and proprietary content encoding. <i>Content</i> : focus on reputation (author-branding); no separation of master-content and presentation; much re-wording; coarse-grained copyright regimes; focus on high-end segment | | | | | |
| Meso (sector) | learning | - lack of international sectoral standards | | | | | |
| | content | - lack of shared and open architectures | | | | | |
| | software | - obscurity regarding essential facilities - unclear mandate | | | | | |
| Macro (economy) | nation | - negligence of essential facilities for the national knowledge economy (language, national sectors,...) - under-valueing of evidence basedness (monopolies) | | | | | |
| | globe | - negligence of global essential facilities (science, architecture,...); - under-valueing of evidence basedness (monopolies) | | | | | |