

Innovation Systems Approach to Sustainable Development

Mario Scerri
IERI

The failure of economic orthodoxy

- Disjuncture between economics and political economy
- Mechanomorphism
- Narrow definition of sustainability
- Unheeded predictions

False dichotomies

- State and the economy
- The market and externalities
- The issue of property rights
- In search of a theory of value

An innovation systems approach to sustainability

- Systems of S&T and systems of innovation
- The definition of innovation
- The political economy of innovation systems

The global system of innovation

- The erosion of the national system of innovation
- An integrated world economy
 - Redistributive considerations
 - Allocation criteria
- The accountable global corporation

Disjuncture between theory and policy

- Theory-led policy (intransigence) or policy-led theory (unsustainable)?
- Fragmentation of policy initiatives
- Imagining the future
 - The end of the national system of innovation – implications for global power configurations
 - The new global corporation

Shunting theoretical development paths

- Paradigmatic “lock-in” and path dependence: patchwork solutions for a flawed general theory of economics
- Redefining value
- Necessity drives a new economic rationality: Kuhnian conditions for a paradigm shift
- Discourse/policy leadership and global power distribution