

*Evolution to higher order systems results in increasing energy consumption*

The constant evolution of components and creation of higher order systems that then evolve means we are always moving to a more ordered environment by reducing local entropy. This requires the constant input of greater amounts of energy though in some cases this can be hidden due to efficiency gains from previous wasteful consumption.

*Capital flows to new areas of value*

The lines on the map represent flows of capital whether it's between two existing components or a component and its future more evolved self. Financial capital will seek the area of most consistent return. Hence in the evolution from product to a utility then capital will tend to move away from the pre-existing product forms and towards the more industrialised component and the new industries built upon it

*Evolution of communication can increase the speed of evolution overall*

Evolution consists of many diffusion curves. If a means of communication evolves to a more industrialised form — whether printing press, postage stamp, telephone, the internet — then the speed of diffusion curves can increase. This in turn can accelerate the rate at which future components evolve. Care should be taken here, not to confuse faster evolution with us becoming more innovative as a people. Certainly we have greater opportunity to build new things but don't assume we're getting smarter.