



Emergent Futures

Riel Miller Time, Economy and the Body - Beyond Health

"The straight warp of necessity, not to be swerved from its ultimate course its every alternating vibration, indeed, only tending to that; free will still free to ply her shuttle between given threads; and chance, though restrained in its play within the right lines of necessity, and sideways in its motions directed by free will, though thus prescribed to by both, chance by turns rules either, and has the last featuring blow at events."

This time around it isn't what kind of future we can imagine, but how we imagine the future.

Time

- Seconds, minutes, days, weeks, months, years, generations, millennia...
 moons, seasons ...
- Clock, church bell, wrist watch, factory whistle
- Work week, weekend, holiday...
- Pace of the day, stress...
- Time horizon of what we think matters: a meeting, a



definition of time evolved ... at 5:30 in the morning the oxen have gone to the grazing ground, at 6 the sheep have been unfastened... In Madagascar time might be measured by 'cooking rice' (about half an hour) or 'frying a locust' (a moment). The Cross River natives were reported as saying 'the man died in less than the time in which maize is not yet completely roasted' (less than fifteen minutes)" EP

Subsistence: capacity to withstand unexpected events, to **U**protect and perpetuate the tribe, your children, to "build





How we define Maslow's Hierarchy of Needs "value": creation, morality, creativity, production spontaneity, problem solving, of ????? lack of prejudice, acceptance of facts Self-actualization - useful self-esteem, confidence, for achievement, respect of others, respect by others Esteem what? friendship, family, sexual intimacy Love/belonging security of: body, employment, resources,

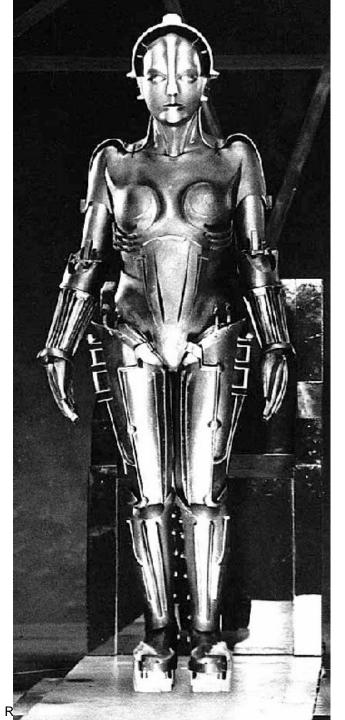
Safety

security of: body, employment, resources, morality, the family, health, property

Physiological breathing, food, water, sex, sleep, homeostasis, excretion

The Body MMORTAL DISPOSABLE **ENGINEERED** BIONIC MELANCHOL



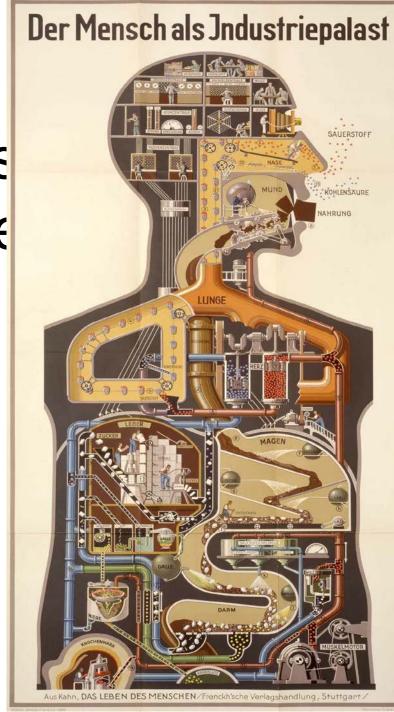


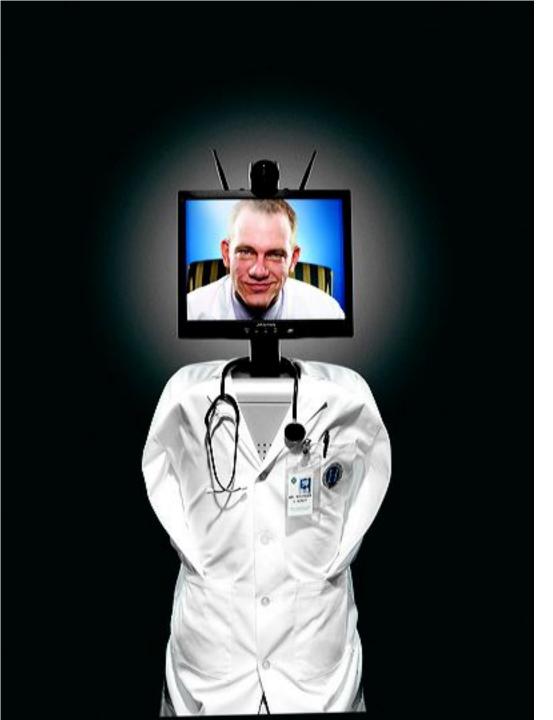
Extrapolation is Easy



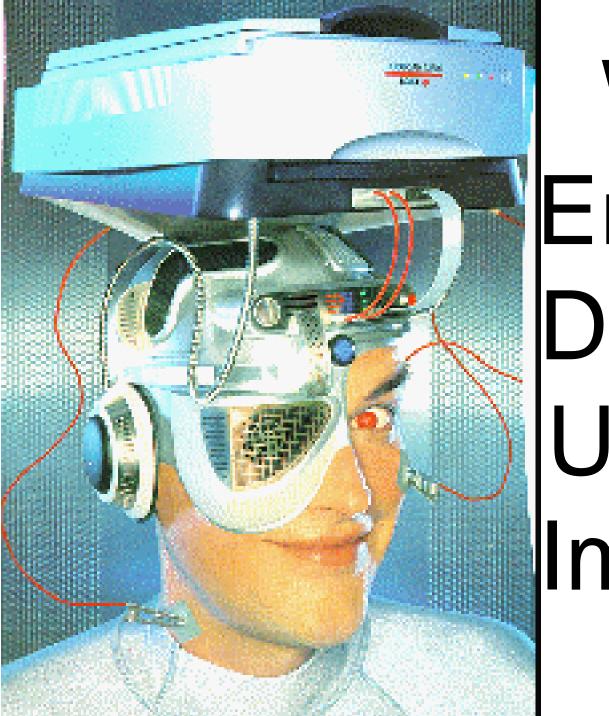


dy as chine





Digital, Simulate d Datamined



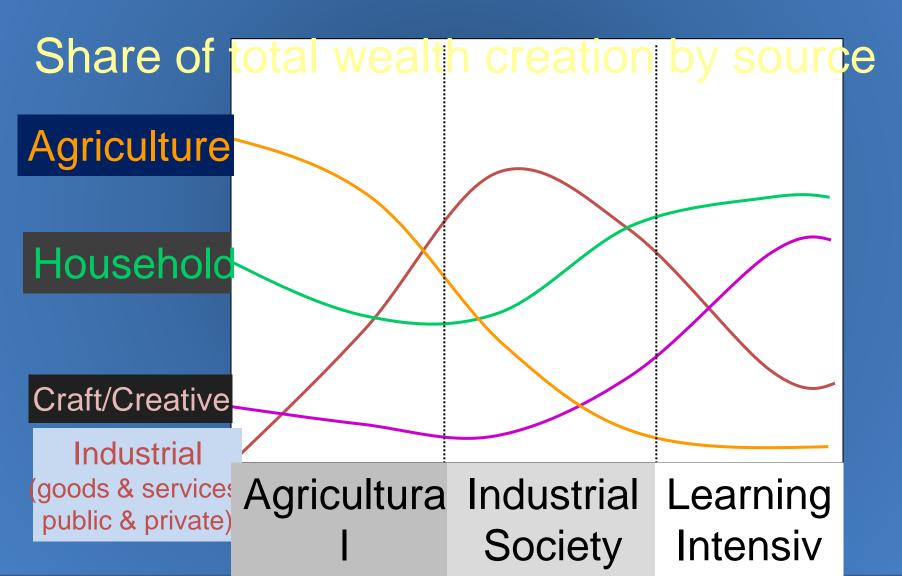
Wired!! Enhanced Download Uploaded Immortal?

Change in the Conditions of Change

"Imagining the possibility of another way of living together is not a strong point of our world of privatized utopias... The crisis of the Western world 'consists precisely in the fact that it stopped putting itself in question'. But putting itself in question was the innermost secret of that Western world's astonishing, unprecedented quest for selfimprovement and equally amazing success in the pursuit of that ever more ambitiously set objective."

Riel Miller 2011

Compositional Transformation



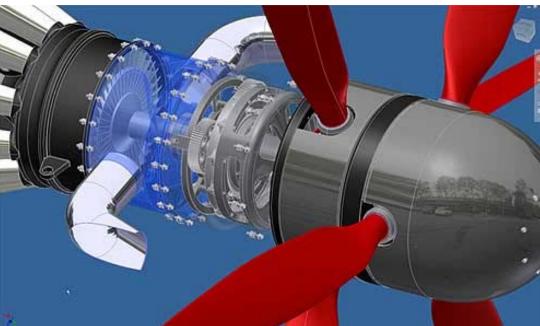
Changes What and How We Produce

- Unique creation what is value?
- How do we organize value creation?
- Predominant type of
 economic activity
 "Next stage" of market economy –
 beyond mass-production and mass consumption

Teasing the Imagination: Tools for Unique Creation











First car produce d using a "desktop factory"

Industrial Era Logic Sequential Production Resource (Re)Allocation

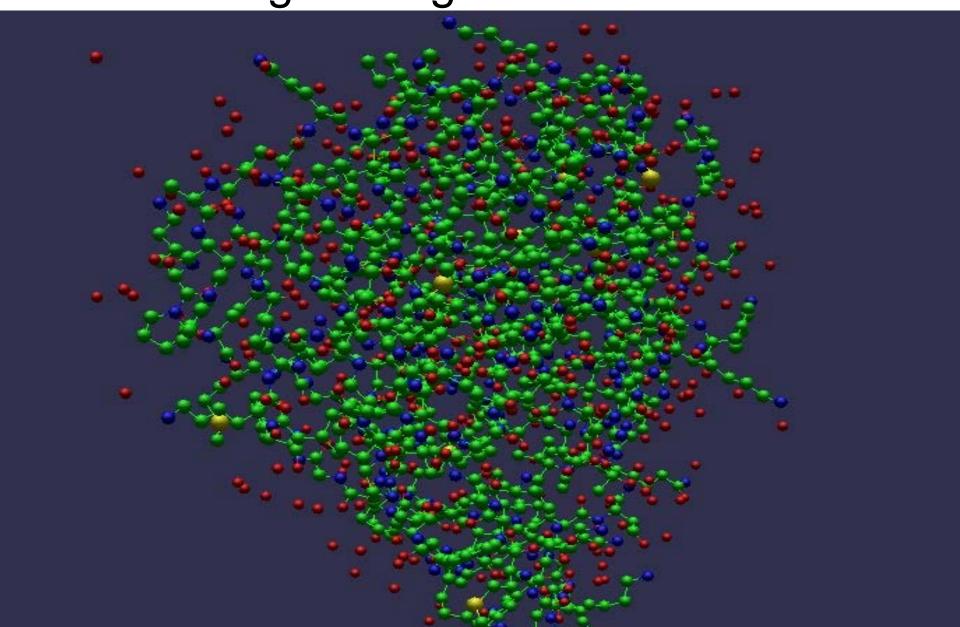
Supply Demand Allocation Supply Demand Allocation Repeat cycle

Conception

Management

Execution

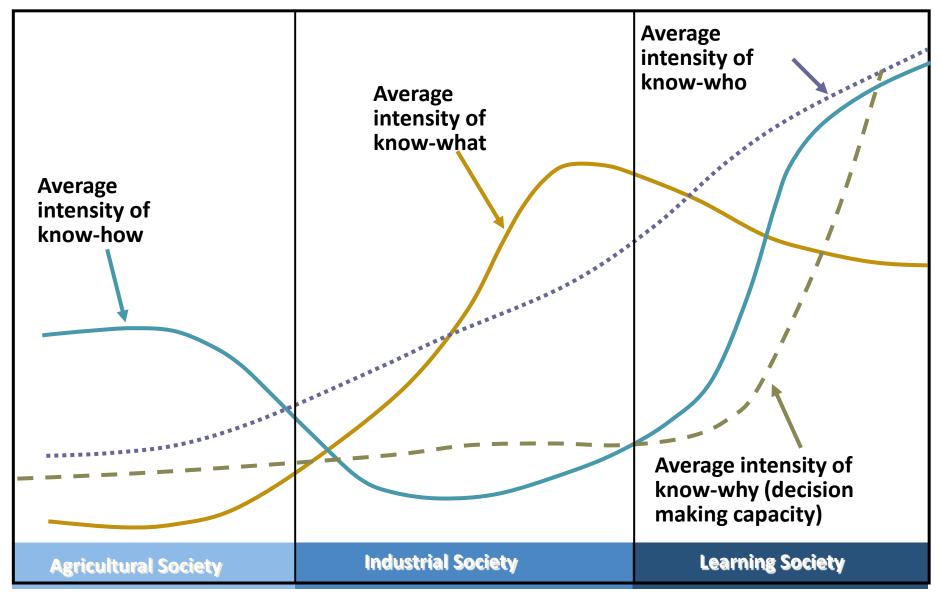
Clouds of value creation: Transforming the organizational foundations



Murmuration

Starlings Flying in a Flock
Imagine Clouds of Unique Creation
Flows of Collaboration and Experience
Local and Global, Multiple Dynamic
Communities - Heterarchical

Average Learning Intensity of Daily Life



Source: Riel Miller, XperidoX Futures Consulting; rielm@yahoo.com



Futures Literacy is the capacity to tell anticipatory stories using rigorous imagining based on sharing depth of knowledge from across the community.

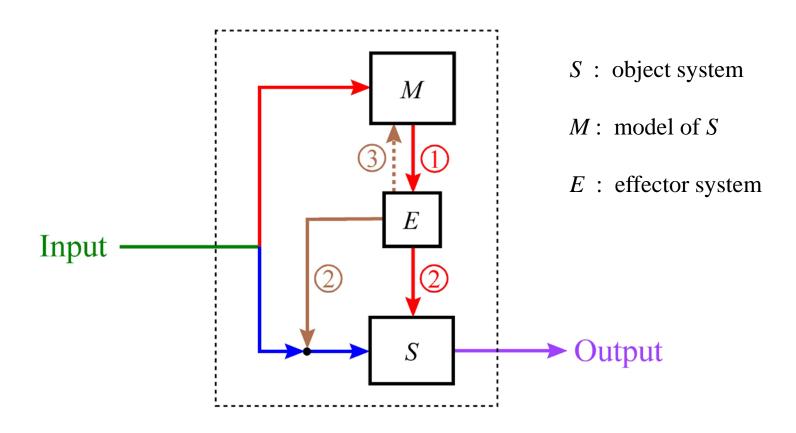
Futures Literacy is a way of internalizing the constant development of our understanding of the emergent present and of changing anticipatory assumptions.

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A: Bugs Bunny Anticipates



Taking an Anticipatory Systems View



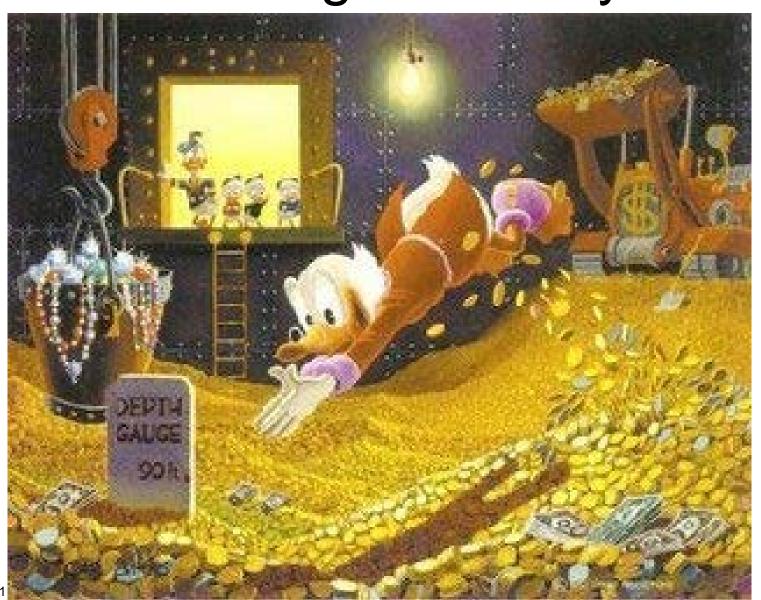
B: Three dimensions of the potential of the present

Contingency futures: a tsunami

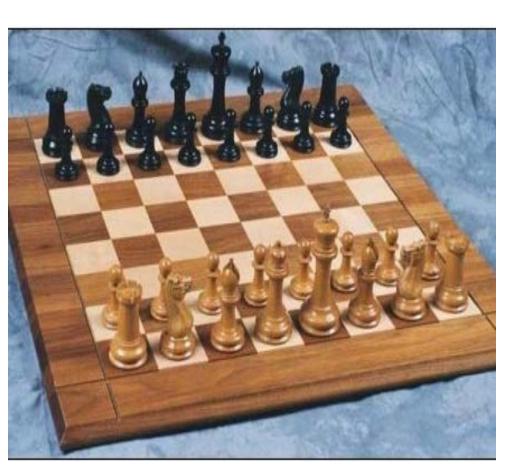
THE DAY AFTER TOMORROW WHERE WILL YOU BE?

IN THEATERS WORLDWIDE MAY 28, 2004

Contingency futures: winning the lottery

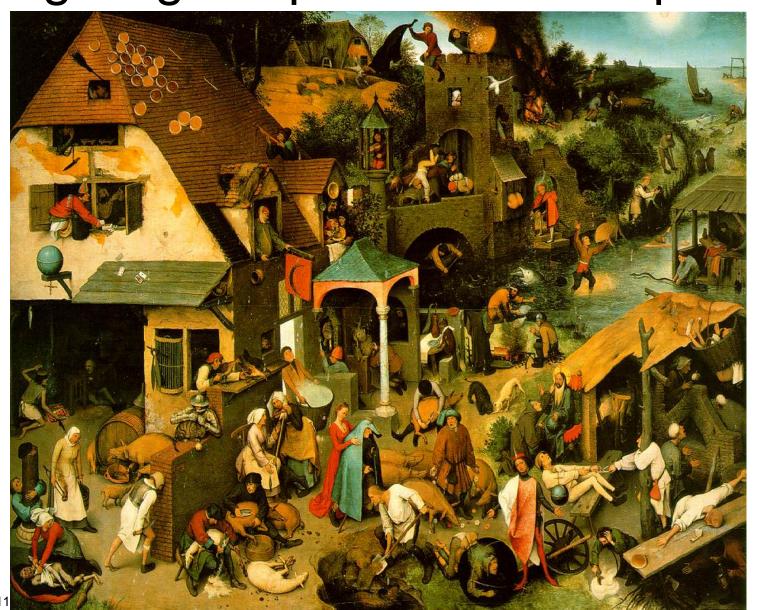


Optimization Futures: Chess, Farming, Assembly Line



- Goal
- Rules
- Resources

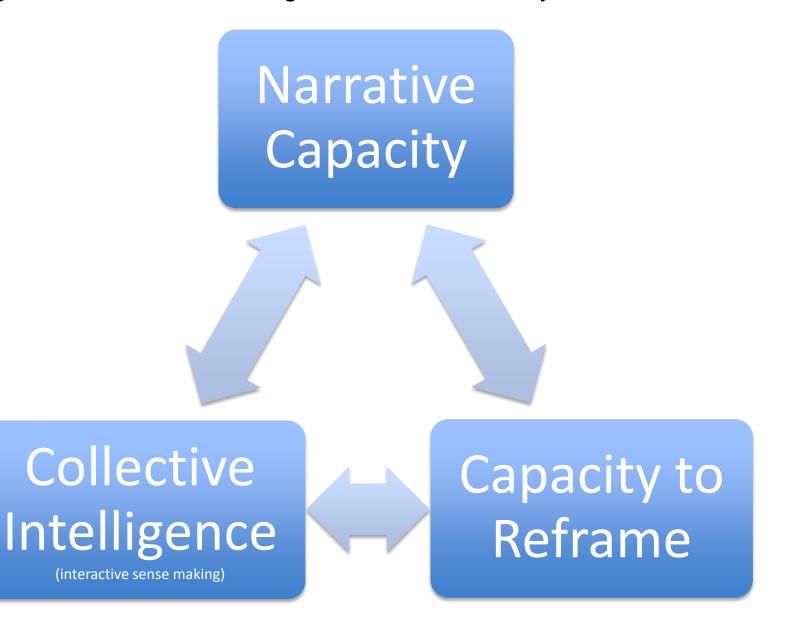
Embracing complexity: use the future, imagining the potential of the present





C: Futures Literacy: Better Decision Making

Using the Future for Knowledge Creation, Discovery and Communication



Use the Future to Make Complexity Actionable

Change withir	
the system	

Change outside the system

Inside-in

Inside-out

Outside-in

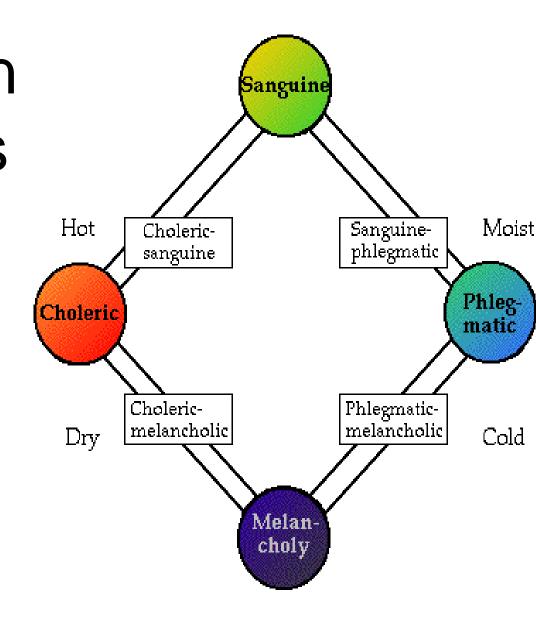
n Outside-out

Copernic, aussi instruit que sage, replace le soleil immobile au centre du monde, comme un flambeau qui l'éclaire et le vivifie; il lui donne un mouvement de rotation sur lui même. Dans son système, le mouvement diurne de tout le ciel s'explique avec une extreme facilité; il suffit en effet que l'habitant de la terre tourne autour de l'axe, d'occident en orient, pour que tous les astres hu paroissent rouler d'orient en occident et qu'il rapporte au soleil le mouvement qui n'est réel que pour la terre Mais tandis que la terre tourne sur elle même en 24 heures, elle décrit une orbite autour du soleil, dans l'espace d'une année. Par ce mouvement propre, que l'illusion attribue au soleil, cet astre semble s'avancer chaque jour d'environ un degré vers l'orient, pendant qu'il est emporte chaque jour avec tout le ciel et d'un mouvement commun vers l'occident. La trace de ce mouvement annuel est l'écliptique, au bour de 365, jours, une étoile observée se reconnoît à la même heure, au même heu, où elle s'étoit montrée l'atmée précédente, à pareil jour.

Why change the way we use the future? What difference does it make?

- It changes what we see.
- It changes what we imagine.
- It changes what we resist.
- It changes what we preserve.
- It changes how we preserve what we want to preserve.

Transformation : new contexts for life, death, the body, and beyond the concept of 'health'



Thank You

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Becoming the Best:
Building Sustainability
Population Health
Innovations: Addressing
Determinants for Health



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