

Revision B₁

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Blue Planet Governance



The era of global *tragedy of the commons* ends.
The new paradigm begins when Interdependent Regional Governments unite!
To form a chaordic organization called,
The ***United Regions***
Where coordinated expertise in Earth Science, Human-Nature and Economics
Provide Regional Guidance to Maximize *Real Wealth*:

*Real wealth is a measurement of a robust ecology
and of the general health and happiness of the people!*

**Dynamic Flows – Wealth Factors and Gaia\$
...at the human/Gaia interface, 050APC**

When the people of any Region decided to join the BPG initiative, the majority agreed to the basic intent of the overall BPG proposals and to its process and values, stated simply here:

*For All of humanity:
To live in harmony within the natural ever-renewing
environment of our Gaian planetary home;
To live in peace with our human neighbours;
To have no discrimination such as gender, race, colour or creed.*

*For individuals:
To accept a share of responsibility for sustainable stewardship of our home,
And thereby earn the enjoyment of rights and the freedom
To pursue happiness and a meaningful life.*

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For Regions:

*To accept the challenge of stewardship
of the land and waters of our Region,
To foster cooperation with neighbouring Regions,
To assess our Regional wealth based on what we need and what we have,
And to work toward long term sustainable through optimum population
In order to achieve health and happiness within our Regional means.
To use democratic processes to choose Regional leaders.*

By this agreement the people of the Regions agree to organize themselves and their government in accordance with UE regulatory requirements as administered through the BioRegion, if they are a part of one. Here are requirements to which they agree:

- To operate a Regional Government in accordance with democratic principles;
- To participate on Regional wealth measurement and reporting;
- To operate a Regional Bank of Gaia (BG-R);
- To accept Gaia\$ as the only means of exchange of goods and services, except direct neighborly barter. (There was a period of overlap in the early days as the blown bubble of the fiat\$ standard drifted into oblivion.)
- To publicly express total Regional wealth as *Wealth Per Capita* (WPC);
- To hold public training sessions to explain why some ways of doing things must be vastly different from the way it was done BPC (Before Paradigm Change). A few of the new concepts will be, no private land ownership, money will be interest free, and a basic living wage for all who accept Regional citizenship. The *12 Personal Gaia Principles* are offered as guideline material.

TS Note: While digesting this rather technical section, it is useful to keep in mind that the basic holistic goal of the dynamic systems described herein is to eventually supplant many layers of current government bureaucratic guidelines, and documents.

Human Activity management involves a complex array of issues driven by a complex animal. This dynamic society proposal is likely as simple as possible to be a useful sketch of corrective measures and yet to convey a meaningful outline in order for others to enable them to participate in developing the actual documents.

The development of any complex system of guidance, whether for Spaceship Earth or an office building, requires (1) the concept idea: (2) the initial design specifications: (3) a design team to fine tune the specification: (4) a project management department: (5) groups of teams to construct and assemble the blueprints of system sections. In the case of achieving our destination of *3D-Optimum*, no new physical product are needed. The AbReality called BPG will simply be an assembly of documents that when completed and integrated will take the shape of dynamic democratic governance. Someone has to do it or *it will not get done* - and we know the consequences of failure.

In the BPC (Before Paradigm Change) era the limitless fiat\$ had nothing whatsoever to do with real human wealth. Riane Eisler's brief statement represents all that humans really need, repeated here:

*Real wealth is a measurement of a robust ecology
and the general health and happiness of the people.*

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The Regional wealth system will be operational when the majority of people are ready: *To accept a share of responsibility for sustainable stewardship of our home; and who, thereby earn the enjoyment of rights and the freedom to pursue happiness and a meaningful life within a sustainable planet.*

Nevertheless, a monetary currency is needed to facilitate trade and commerce and to enable individuals to have a range of freedoms in choice and lifestyle. As in the BPC era, monetary control will continue to be used as a means of limiting or accelerating human activity.

This section continues with an outline of Gaia\$ systems and flows and then moves to key points about corporations, and then to population dynamics and to an outline of *Wealth Factors*, and the balancing act.

Gaia\$ - The money system basics in year 050APC

All transactions are conducted electronically, there is no coin or paper money. [\[R1\]](#)

As mentioned in the earlier section, the *Bank of Gaia* consists of:

- Bank of Gaia of UE (BG-UE);
- Bank of Gaia at each Association Of BioRegions (BG-AoBRn);
- Bank of Gaia BioRegional (BG-BRn) in each BioRegion;
- Regional Bank of Gaia (BG-Rn) in every Region – the people’s bank.

All of the global Gaia\$ money is accounted for by the BG-UE. However, all of these Gaia\$ are assigned to the BG-Rs of the world. Higher level banks may have Gaia\$ for a variety of functions but all of that money will be assigned from BG-Rs (interest free, of course). That assignment will show up as a debit (or credit?) in each GB-R ledger. And some of it may be assigned to corporations and other special accounts. This idea is expanded a few pages below.

There are a few basic changes in philosophy within the new paradigm that are essential to the systems approach. To illustrate why seemingly drastic changes are necessary, before describing those, here are a few points described in the *MCP Appendix* as a reminder that the power of money, and who controls it, has always been the nemesis of democracy. Since it is people of the regions of the world that use money, it must be the Regional governments of the world that control it.

- By 050APC all corporations including banks (BOGs) had been returned to their original sole purpose of performing a service for the good of the community.
- All corporations are now not-for-profit organizations.
- Regions of the world, through their BG-R, are the only corporate shareholders. All Regions have a significant budget for investing in corporations of their choice. Corporations can be very large or very small and local.
- Corporate shares may be held in one, or dozens, of Regions throughout the world, as is the case of heavy equipment manufacturers, or of specialty high tech or pharmaceutical products; products that need a global market to justify development

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and setup costs. There is a special category for research institutes whose product is knowledge, usually a branch of a university.

- In a stock market-like forum shares of corporations can be bought and sold by Regions of the world. Each Region has a stock trading department.
(*There is also a global stock market-like forum where Regions balance WF data to obtain their maximum Wealth/Capita. See Balancing Act, below.*)
- A basic premise for corporations: If they produce products that individuals or other corporations need and purchase, they are likely to be supported by shareholders. If they do not sell durable quality products that can be maintained or serviced, the Region shareholders will dump them and they will cease to exist.
The purpose of corporations is to provide society with benefits from the product or service they provide. An ideal corporation would produce an efficient product for the market once, and then provide parts and maintenance support for 100 years. Also, automation will be used where possible. This leads to increased human leisure time with little or no loss of remuneration. Automation now serves humanity.
- Corporations can advertise products in a Goods & Services, catalogue-like data base. Sales can also be made on line. Anyone in the BPG world who wants something can find source and price. However, the majority of exchanges are direct and local.
- In all cases where resource extraction takes place, such as mining, the Region in which the mine is located has a veto on expansion or major changes to the company mandate in their area. The Regional government must balance between the gain in revenue through its shares in the company and from the pay to local employees, against whether to tolerate ecological degradation to their community, of which they are the stewards. This removes one of the serious problems of the old paradigm, the *absentee landlord*.
- Industrial farming operations are limited to operations within the Regions of one BioRegion. Specialty food distributors may operate globally.
- Companies in the entertainment and arts industry operate like any other company, and must produce what people want, or they cease to exist.
- Regions with suitable unspoiled nature space sometimes host corporations catering to tourists.

Work, wages, leisure and happiness;

A few enlightened economists in the BPC years had pointed out that the capitalist growth economy, with its companion consumerist society, was extremely inefficient in both energy usage and resources. In his '89 book, *The World's Wasted Wealth*, Economist J.W.Smith [R2] estimated the amount of labor needed to sustain a modern civilization with basic needed goods and services would require about a 20 hour work week for adults between 20 to 60 years of age. Smith recognized the wasted energy, more than 50%, of producing products with a short time span of usefulness. Another point was that the benefits of technologies and automation enriched shareholders, not the public. Smith and others also recognized that non-fossil-fuel agriculture would require significantly more labor than before. However, they knew that many adults get satisfaction from doing productive work long into their aging years, simply for the satisfaction of doing so as a community benefit. Some examples from the BPC era were volunteer fire departments, disaster relief efforts, or hospital auxiliaries, and a wide variety of other community services. Another example of

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volunteerism was the many packages of free computer software, sometimes the result of a global cooperative initiative via internet. These earlier efforts paved the way for the UE design team to begin its vital work.

Forecasts by those economists of long ago have been proven to be reasonably accurate, and at 050APC individuals of most Regions now have significant time for leisure and private pursuits, and report high scores on the Wealth Factors assessing happiness and well-being [R3].

All adult citizens have an account at BG-R, and most day-to-day lifestyle and activity choices are much the same as BPC, except there is no cash currency. Global standards encourage Regions to give everyone a base amount of money that is adequate for food and shelter in their particular Geographic area. Regions have latitude in deciding at what age children receive an individual account at the BG-R.

When a person works for a corporation (whether industrial, or community agencies such as garbage disposal or the Regional bank) they are all entitled to a wage at the discretion of the corporation.

All payments to individuals are through their BG-R account. Regions place a limit on individual remuneration. The UN guidelines suggest that the highest wage can be only 10 times more than the lowest paid employee. Also, the Region will set a limit for the maximum Gaia\$ holdings of any individual. They may continue to work past their earning-limit but their accumulated income will not increase. Their satisfaction will be derived from being a valuable member of the community, doing useful work.

The reason for limits to pay and money accumulation is to strike a balance between the incentive of some individuals to achieve and live a more affluent life-style, and the greater need of the community in a closed system of (Regional) money. The community benefits from individual incentive and hard work of individuals, but limits prevent the creation of deep differences in rich/poor divide. Many individuals are quite happy on the lower income range. All adult members of the Region receive a basic living wage each month.

Human happiness data indicates that the amount of money one earns is not nearly as important as the satisfaction of being a contributing useful member of society and a general feeling of community spirit. Happiness can be derived as a private entrepreneur, or within an industrial corporation, or in care for the aged, or looking after community gardens, or to doing personal pursuits for a few years.

Jubilee [R4]: One of the controversial issues considered as Regions agreed to become a *Dynamic Society* was whether to give credit for property and fiat\$ holdings from BPC. While some regions made exceptions, the UE guideline recommendation was to take guidance from biblical wisdom and to declare that entrance to the paradigm change era to be equivalent to Jubilee. In ancient times, recurring Jubilee (about each 50 years) meant that land was returned to the commons, slaves were freed and debts were forgiven.

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The need for Jubilee even in biblical times is a striking example how unregulated human economic systems eventually played out like a Monopoly game. Distributed wealth ends when a few individuals have it all. Continued occasional Jubilee might have avoided the historic economic bubbles, bursts and depressions and associated wars that occurred in the centuries BPC. In the APC years temporary wealth anomalies are detected early and neutralized through regulation and feedback.

Illegal immigration

For many years BPC there were many people who would simply move illegally to another country for a wide variety of reasons. Most of these illegal immigrants were eventually able to get jobs and become part of their new community. This practice virtually ended APC because each Region's Gaia\$ were the only means of exchange, and only citizens of the Region had access to Gaia\$. However, individuals could legally immigrate to another area with due process and the agreement of the two involved Regional governments. In a Dynamic Society, each Region must have control over its human population. In the overpopulated world at the end of the BPC era, many tough choices had to be made.

Crime

Gone are the days of holdups for cash and bank robberies. Gone are the days of tycoons or despots stashing money in foreign bank accounts. Bank records and accounts are audited by third party auditors on a regular basis, with open access to all accounts.

Population issues

~Individuals~

To accept a share of responsibility for sustainable stewardship of our home;

And thereby earn the enjoyment of rights and the freedom

To pursue happiness and a meaningful life.

When the majority of people of a Region agreed to join the *Dynamic Society* movement, they agreed that human fertility must be one of the controllable variables and that positive human population growth may (likely) need to change to negative growth in order to achieve *3D-Optimum* some day. In the early years there were, however, many whose historic culture or religion conflicted with idea of procreation limits being set by the community. Human nature is such that the argument for long-term future well-being does not provide a high level of motivation for, perhaps the majority of individuals (80/20 rule). But when the issue is expressed in terms of their short-term financial well-being, and also that of their immediate friends and neighbours in the per-capita-dynamic society, it would generally bring the issue into clearer focus as a, *my rights VS my neighbours rights*, issue. The 12 step *Gaia Principles* also helped many people learn to accept the needed changes of the new paradigm.

To some degree, techniques for convincing individuals to accept the fertility guidelines was a reluctant acceptance to agree to the principle of, "*Mutual Coercion Mutually Agreed Upon*" [R5] as suggested by a wise writer named Hardin. This meant that on critical paradigm changing issues where individuals have a problem to comply with a specific needed change, it was mutually acceptable to suggest community group therapy to help encourage

individuals to accept the sometimes uncomfortable new social guidelines for the good of all.

In Regions where WF analysis indicated a very low wealth per capita (very many people, very little wealth), these Regions usually had the most rigorous population reduction target of 1.0 birth per female. Eventual, when the target of 3d-Optimum has been reached, replacement level of about 2.2 births per female would be the guideline.

A key factor in rapid general acceptance of fertility guidelines was that, to be accepted into the *Dynamic Societies* the majority of Regional voters agreed to enforce gender equality and holistic education. Within a very few years these changes helped women basically take charge of procreation choices. After all, it is mostly a motherhood issue. This was not uncommon in some much earlier societies, and was a return to customs of very many centuries ago, before paternalistic religions diminished the female [R6] leadership role in society: or in the aboriginal based *seventh generational* considerations in policy making. Another positive factor was that most Regions considered the proper raising of a child to be a valuable community asset, and compliant mothers were paid a salary, beyond basic, for their service to the community.

Any region that does not accept the BDG program will be unable to trade with other regions, and soon nature's cull will limit population. [R7]

Wealth Factor (WF) importance

WF data is one of the key sources of information going into the *State Of Gaia* reports. These reports are critical to decisions made in the wheelhouse of civilization: decisions needed to choose appropriate heading and speed toward *3D-Optimum*. As pointed out in the previous section there are two underlying interacting systems at play within the *Dynamic Society*, each requiring dynamic regulation.

- The first is the primary system of HA (Human Activity) to be optimised. Optimised in both total population and in resource throughput. Eventually HA within Mother nature's systems must have no significant disruptive influence on Gaia. When this occurs civilization will have reached 3D-Optimum.
- The second system is the dynamics of money supply and flows. When the money system is in dynamic balance, the amount of money in the global economic system – sum total of Gaia\$ in all BG-Rs, as continuously recorded at the BG-UN will not be increasing or decreasing. Humans will be able to purchase all goods and services needed (Gaia\$ outflow) and the corporations farmers and entrepreneurs of the world can produce these goods and services using the flow of money spent by the public (Gaia\$ inflow). When this condition is reached, the BoG's sum of all BR-Rs money will represent money in circulation. However, there will also be a buffer float of Gaia\$ in reserve for anomalies, but in general, but the large starting *Tombstone Debt* will be paid off. This does not imply that all Regions are continuously in the state of balance at the same time. (*Tombstone Debt = startup money needed keep the socioeconomic system operational in the early days when HA was fare in excess – details below*)

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WFs are the control valves, opened more, or opened less, to accelerate or slow monetary flow rates and also to influence fertility levels up or down. They regulate through a WF bias adjustments (multiplication factor) as directed by the WF regulatory group. Therefore, WF measurements/evaluations are an extremely important link in the process of regulating HA. Random third-party audits of Regional WF measurement and evaluations are essential, given the historical propensity of humans to cheat in such situations (the 20%?, of the 80/20 guideline).

Each Regional government has a *Regional Department of Wealth* (RDW). The RDW has two branches. One branch is the *Wealth Factor Balance* section, described under *The Balancing Act*, a few paragraphs below.

The other is the *Wealth Factor Measurement* (WFM) branch. This branch deals with establishing a number that represents the reading/assessment of each WF in accordance with standard procedures. Regions that are mostly rural will have vastly different physical wealth assets than Regions that are mostly urban. The *Balancing Act* section will discuss how inter-Regional WF swaps help to stabilize the system by helping to prevent oversupply or undersupply of this or that particular factor in a Region or group of Regions. For example, there could be exchange of flow-energy credits for industrial manufacturing capability credits.

WF measurements and exchanges as described below, may appear quite complex at first acquaintance: However, compare it to BPC days with banking, stock markets, international currency evaluations, import tax, duties, hedge funds, futures markets, global derivative Ponzi schemes, etc., etc.. Compared to these the WF system is remarkably simple – and it deals with tangible elements (mostly).

In the first several years APC there were many changes, corrections and exceptions to the basic founding rules. And now, at 050APC, all elements of the WF system and the Gaia\$ system are part of a relatively smooth operating dynamic flow where feedback produces needed regulatory action on HA in our continuing quest for the 3D-Optimum.

WFs are numeric readings of components of human activity. There are several categories of Wealth Factors. WFs are based on the things we use or consume. One WF is an assessment of the local Gaian biological robustness. There is a WF assessment of human happiness and well-being. WFs are measured by statistical review, by physical measurement based on scientific principles, and some by public opinion surveys.

- Each *Regional Department of Wealth* has a WF ledger. Some WFs are on the positive side and some are on the negative side. The people of the Region are wealthier when the positive side of the WF ledger is continuously larger than the negative side.
- A permanent *Review and Arbitration Committee* (WF-RAC) of the UN oversee WF issues and are to a large degree guided by data from the *Human Activity Index*. They also resolve Regional WF questions or disputes that cannot be solved at the AoBioRegional or BioRegion level.
- The WF-RAC may adjust the multiplication factor on any specific WF(s) in some areas of the world, or in a whole AoBioRegion in order to give a systemic bias

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toward increase or decrease use of that specific WF in that area. Also, temporary measures can be implemented at the AoBioRegions or BioRegional level in order to deal with an anomaly, whether human or weather or geologically caused. An example may be to adjust WFs to make fishing impractical in some parts of the world.

- The WF-RAC gives consideration to data indicating that human happiness would be increased or decreased with more or less industrial throughput, or more or less entertainment industry, or with more or less parks and protected green zones, or more or less humans.

Example Wealth Factors used in year 050APC

The text herein touches on some of the key categories of WFs. Each WF has a significant volume of documentation that has evolved over the APC years in documents published by the Global Standards group that are continuously updated on web.

WF Flow-Energy Production

Most Regions capture at least some flow-energy that is listed on the positive side of the ledger. Many rural Regions have a positive balance, and for some, flow-energy is their major export asset. Energy generation corporations (wind, solar, geothermal, etc.) are non-profit organization, sometimes with bases in several Regions.

WF Flow-Energy Use

Flow-energy used in a Region appears on the negative side of the ledger. Urban areas generally import energy from rural Regions, and have a greater negative than positive WF on their ledger in this category. Within a Region that captures just enough energy for its own needs, the internal use value on the negative side would balance the energy generation on the positive side. The reason for separate WF for flow-energy generation and use is to produce a systemic bias toward energy efficiency, i.e., using less and producing more adds to a Region's total wealth.

WF Atomic Energy

Shortly after PC001, there was an agreement at UN to add an incremental annual increase to the negative WF of all fission atomic energy used. By 050APC very little fission atomic energy is still used, although scientists predict that plentiful clean fusion atomic energy will be available in about 20 years (as had been constantly predicted for the past 150 years ☺). Regions willing to store radioactive waste accumulated before paradigm change times have a positive WF to counterbalance the potential danger to their community. By accepting this dangerous wastes, those Regions provide a service to the world.

WF Petroleum Fossil Products – Industrial

In 050APC oil, coal and gas are still used, mostly for chemical and plastics production. Fossil product use is a highly negative entry.

WF Petroleum Fossil Products – Fuel

In some Regions, a few corporations still operated specialty aircraft that require oil. Oil or gas are still used as emergency energy backup sources, such as on ocean going sailing ships that are primarily moved by wind and sunshine. Sails are fabricated with thin film solar

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collectors, gathering energy from both sun and wind. Ocean crossing times are somewhat longer than the fossil fuel energized monsters of the BPC era. Fossil fuel use is a high negative WF.

WF – Food

Like the WF on flow-energy, there is a separation of factors for food produced, for food used, and for food imported. Food may come from household gardens, or farms, or factories, or river lakes and oceans, or it may be imported from other Regions.

WF – Water

The amount of renewing water to satisfy local needs and the amount that could be exported to neighbouring Regions are positive factors. Regional water usage and water for export are listed separately. Regions drawing water from a common non-renewing aquifer have a high negative WF.

WF – Nature

Green space for biodiversity adds to the positive side. This can be wetlands, marshes, forests, open deserts - and parks open to human leisure and potentially used to host visitors from other Regions. City's normally start with a negative nature factor that can be reduced by adding green spaces within the city. Population reduction enhances this possibility.

WF – Industry

Industrial capability for production of recyclable goods and the human resources needed to produce export products. Industrial output is the primary positive factor of most urban Regions.

WF – Waste

The volume of garbage that cannot be recycled or composted is negative.

WF - Imports Products

Regions try to be as autonomous as possible because imported products and services add to the negative ledger side.

WF – Infrastructure

A general assessment of conditions of roads, water delivery and sewers, etc. and the status of the Regional energy grid. This category assesses need for future spending needed to sustain services.

WF - Human Services-Basic

The quality and quantity of human services such as medicine, education, research institutes, and the arts. And the availability of these services for people of other Regions.

WF - Human Services-Leisure

Quality and quantity of human services in the arts and entertainment are positive, especially if they generate revenue from people of other Regions.

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WF - Population: +/- ?

Regional human population. (See discussion on balancing act)

WF - Population Trends +/- ?

Factors are based on changes to total Regional population.

WF - Happiness +/- ?

Regional criterion for human happiness. Since this is a highly subjective area, Regions and BioRegions have a high degree of latitude in setting the standard in this category.

Historical racial or cultural background often influence choices.

WF - Health +/- ?

There is a global standard for assessment of human health and quality of life.

The Balancing Act

This area is the responsibility of the *Wealth Factor Balance* section of the Regional government's *Regional Department of Wealth* (RDW).

The people of all Regions require energy, water, food, goods and services. No Region is completely self-sufficient, therefore exchanges with other Regions is essential. This mutual dependency is a significant factor in fostering mutual cooperation and easing of cultural or religious barriers of old.

All Regions will have a blend of positive and negative factors. Most WF flows are Regionally controllable within limits - some limits are imposed by nature, some by intelligent assessment.

Urban areas tend to produce less energy and food than they use, but they may offer universities, or manufactured products, or great theatre or art productions. Rural areas generally have an abundance in food and or flow-energy, or massive forests, but must purchase manufactured goods and specialty products from urban areas. They will send young people to universities generally associated with an urban area. Early education is as Regional as practical.

Some specialty items, such as heavy machinery or computers, or medical equipment, may need to be obtained from the other side of the world, and have large travel costs associated with the purchase.

To facilitate balancing transactions, one function of the *Human Activity Index* branch is to compile all regional WF data on a global real-time database. This data lists the WF data of every Region in the world, and every Region in the world has access to this data.

It is the responsibility of each Region's *Wealth Factor Balance* section to make WF swaps with other Regions in order to balance as closely as possible, each of their WFs. Both Regions must agree with this swap.

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Example: Urban Region “A” has a high positive WF in industrial and educational capability. Rural Region “B” has surplus energy and food. Region “A” agrees to take part of the food excess from Region “B”, and “B” takes a percentage of “A’s industrial surplus. But “A” will need more than just “B’s food, therefore it must save part of the surplus industry to swap with other Regions for a variety of needs.

One purpose of the balancing procedure is that the summary reports of WF balances will highlight surplus or deficits of this or that WF:

- If the world, or a AOBioregion, has a surplus of a certain class of manufacturing capability, it should be reduced and the people should do something else, or reduce HA, either with less resource throughput or by more restrictive fertility laws.
- If the world, or a AOBioregion, has a deficit in flow-energy, more effort is needed in this area, or reduce HA, either with less resource throughput or by more restrictive fertility laws.
- If Region “C” has a large negative WF balance, and has spent all its positive WFs, the WF Regulators will direct BG-Regional to reduce the money supply to BG-R of “C”. It may change the nature of its activities, if geographically possible, or it needs to apply more restrictive fertility laws.
- If Region “D” has a net positive WF balance, and have balanced all of their other needs, they are indeed fortunate. They may remain with a very high per capita wealth, or they may allow some immigration. At least they have pleasant options, such as increasing the travel budgets or further reducing working hours. These are the decisions of the people of the Region through their Regional government.

Note: Inter Regional WF swaps indicate an intent to do business as indicated, however, it does not prohibit individuals or corporations from purchasing goods or services from other Regions of the world.

The *Wealth Factor Regulator* of the *Global Standards* group, monitor the balancing results. From this and other data they adjust the WF bias levels to ensure that the combination of Gaia\$ supply and WF bias levels are such that overall HA levels will continue to be reduced until 3D-Optimum is reached. Both resource throughput and fertility level controls are the key control factors that will enable the good ship human civilization to reach the calm waters of sustainability and relatively cloud free future for our next and following generations.

In the year 050APC the average WF is still negative because 3D-Optimum has not yet been reached, but the target date is now 076APC. Hundreds of Regions are now in the net positive WF area and the global *tombstone debt* is now relatively small. Many areas of Gaian nature are returning toward robust conditions: Fish stocks are one example, however, increased ocean temperatures from AGW have altered basic sea conditions from the earlier stable state of Gaia, but different types of species now seem to thrive much better.

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[R1]

Example of existing paperless money system:

Bitcoin is an experimental new digital currency that enables instant payments to anyone, anywhere in the world. Bitcoin uses peer-to-peer technology to operate with no central authority: managing transactions and issuing money are carried out collectively by the network. Bitcoin is also the name of the open source software which enables the use of this currency. The software is a community-driven open source project, released under the MIT license.

<http://bitcoin.org/>

Why the P2P Foundation is paying its salaries in **Bitcoin**

<http://blog.p2pfoundation.net/why-the-p2p-foundation-is-paying-its-salaries-in-bitcoin/2012/03/28>

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In April 2012 the Canadian Government issues tenders for the design of electronic money.

<http://blog.yourmoney.ca/2012/04/canada-is-eyeing-a-completely-digital-currency.html>

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[R2]

[Economist philosopher, J.W. Smith](#) has written many books illustrating the waste of the corporate driven growth economy in books with titles like, *World's Wasted Wealth*, or *Corporate Capitalism*. Written in the '80s and has written many since. He gives details on how subsidies, trade agreements and industrialization are all designed to improve the well-being of corporations. It is mostly from his writings that I took the likely labour needed to operate a society designed for people, not corporations. I corresponded with Smith a few times about 1997. He now operates [The Institute for Economic Democracy](#).

Also see: <http://www.context.org/ICLIB/IC37/Smith.htm>

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Another great resource to highlight these details is a great video by Anne Leonard suitable for all ages give glimpse of the workings of our consumerist society, who pulls the strings.

"From its extraction through sale, use and disposal, all the stuff in our lives affects communities at home and abroad, yet most of this is hidden from view. The Story of Stuff is a 20-minute, fast-paced, fact-filled look at the underside of our production and consumption patterns. The Story of Stuff exposes the connections between a 3D-Optimune number of environmental and social issues, and calls us together to create a more sustainable and just world. It'll teach you something, it'll make you laugh, and it just may change the way you look at all the stuff in your life forever."

<http://storyofstuff.org>

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[R3]

[Economics of Happiness](#) is an award winning film about how much better off people would be in a changed paradigm where people were more important than corporations where localization is one major key to happiness. Bill McKibben says studies show that happiness peaked in USA in 1958.

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<http://www.springerlink.com/content/q412x693308kn571/fulltext.pdf>

Limited Experienced Happiness or Unlimited Expected Utility, What About the Differences?

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Review of [Happiness Around the World](#);

ScienceDaily (July 4, 2011) — In 1943, American psychologist Abraham Maslow proposed that all humans seek to fulfill a hierarchy of needs, which he represented with a pyramid. The pyramid's base, which he believed must come first, signified basic needs (for food, sleep and sex, for example). Safety and security came next, in Maslow's view, then love and belonging, then esteem and, finally, at the pyramid's peak, a quality he called "self-actualization." Maslow wrote that people who have these needs fulfilled should be happier than those who don't.

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Population and Development Review March 2011

A Global Perspective on Happiness and Fertility by Mikko Myrskylä

The literature on fertility and happiness has neglected comparative analysis. We investigate the fertility/happiness association using data from the World Values Surveys for 86 countries. We find that, globally, happiness decreases with the number of children. This association, however, is strongly modified by individual and contextual factors. Most importantly, we find that the association between happiness and fertility evolves from negative to neutral to positive above age 40, and is strongest among those who are likely to benefit most from upward intergenerational transfers. In addition, analyses by welfare regime show that the negative fertility/happiness association for younger adults is weakest in countries with high public support for families, and the positive association above age 40 is strongest in countries where old-age support depends mostly on the family. Overall these results suggest that children are a long-term investment in well-being, and highlight the importance of the life-cycle stage and contextual factors in explaining the happiness/fertility association.

[R4] Jubilee from biblical times.

<http://en.wikipedia.org/wiki/Jubilee>

[R5]

Garret Hardin, "The Tragedy of the Commons", Garrett Hardin, 1968.

http://www.garretthardinsociety.org/articles/art_tragedy_of_the_commons.html

<http://rcjames14.blogspot.com/2009/06/mutual-coercion-mutually-agreed-upon.html>

<http://obitur-dictum.blogspot.com/2008/04/mutual-coercion-mutually-agreed-upon.html>

[R6]

From Part I *Steps Leading to the Circle of Issue*

Step 1: Displacement of feminine balance: The beginning of androcentrism

Riane Eisler, in her book, *Chalice & The Blade*, makes a historical review of many sources indicating that in early human societies, the female did indeed have a much larger role than today. Going back to the Stone Age, 30,000 years ago, nude figures of goddesses adorned their rocky cave walls. Evidence of female leadership continued throughout the following 20,000 years, through the Neolithic era, where cooperative societies lived in relative peaceful communities. This lasted until about 3000 BCE when Western cultures and religions began to emerge, dethroning the female goddesses. Female equality has never returned although progress is being made in some societies.

... Also books list by [Virginia Abernathy](#) regarding woman's ability to limit fertility.

R7

Islamic rule now a threat to democracy in Brussels :

<http://www.youtube.com/watch?v=SbMnA3uO9As&feature=related>

... in UK

http://www.youtube.com/watch?feature=player_embedded&v=0hKEd6rzbeg

<<<< End of references >>>>

Paradigm Junction & 050APC

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http://www.yesmagazine.org/people-power/an-oregon-experiment-in-citizen-governance?utm_source=wkly20111104&utm_medium=yeseemail&utm_campaign=mrReitman

In Oregon, citizens have just taken a major step toward changing the game. In July 2011, Governor John Kitzhaber signed into law a bill that institutionalizes a new form of citizen deliberation as part of our election process. The Citizens' Initiative Review (CIR) is an exercise in deliberative democracy. It puts 24 randomly selected voters into a fair public hearing to listen to campaigners, learn the issues, and separate fact from fiction on ballot measures.