Turning Deserts Into Economic Areas

Global deserts are huge.

- 70% (70,8%) of the earth's surface is water mass.
- So only 30% (29,2%) of the earth's surface is land mass.
- 33% of the global land mass is desert.
- 33% of 30% is 10%.
- 10% of the global surface is desert.
- 10% of 510 million km2 = 51 million km2.
- 51 million km2 = 51,000,000 km2.

- Quite an impressive area…..

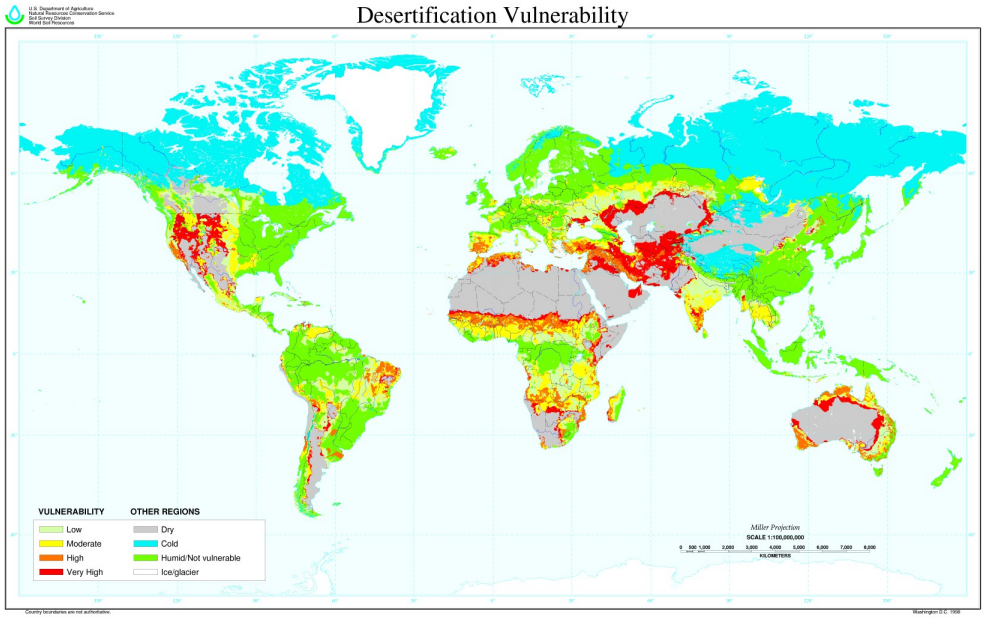
Mapping global deserts.

(30% of land mass or 10% of global surface)

(see our site for a year around dynamic global desert map of NASA)

Desertification is still growing.

- By wrong land management desertification is rising at rapid pace (red = desert growth areas) all round the world.
- Desertification is not a binary (yes/no) situation, but an active wrong management driven process.
- See our site for a dynamic NASA satellite map with year around seasonal imaging.



Deserts = Economy

- Currently deserts are economic totally dead (so for the full 100% dead). There is some minor tourism, but further deserts are economic dead dead dead. So turning deserts into economic areas makes quite a difference.

- Stupid / blind / idiot / waste of money? Not if done right. The first key is how to do it (key facet: not fighting nature, but let nature do the fight in your advantage). The second key is targeting low hanging fruit first (key facet: minimal investment strategy).

- 10% of the globe's total surface is currently economic dead, yet waiting to be greened and explored, but only the right models will deliver the desired huge ROI.

- All the great business models i.e. economic sectors of the world have in common that they turn dead assets into productive assets. We'll make 10% of the earth's dead surface into vibrant producing economies.

- Our model will create a lot of value for a very long time, as almost no other economic sector before.

Using Ocean Water.

- What are the two most powerful facets/USPs i.e. abundances of all deserts? Space and Sun. What's is the most powerful facet/USP/abundance of oceans/seas? Salt Water. Combining those three abundances will deliver abundance in both food and energy: artificial new Amazons.
- When a bank robber was caught and appeared at court, the judge ask him 'why you robbed the bank?'. His answer was: 'because there's where the most of the money is'. This pragmatic approach applies to water too. The most of world's water is in the oceans. It's salt, but that's no problem. No problem? Why?
- The salt water agriculture model is suitable for sand deserts with currently (almost) no rain at all. Contrary to the perception this solution is the easiest of all de-desertification models. It can be done easily on the 45,000 miles of ocean/desert boarders of the world. In these coastal regions multiple manmade salt amazons could be created.
- It will generate also evaporation and thereby increase the rain volume. It will also harvest each night condensation that desalinated/balance the water intake severely (as 3D structures like flora multiplies the condensation process, will their shadow decreases the evaporation process).
- The evaporation of this ocean water will cool the region down (water is a high energy absorber: the 'air conditioner' of the world), reduce evaporation and bring rain to the region.
- We're very keen on not salinating existing sweet ground water reserves while doing this.

Using Halophytes.

- There are 10,000 Natural Halophytes that grow on dry land using saline (salt water) and thereby can be irrigated with salt water. Halophytes can handle the salt internally on cell base. Halophytes are what made the salt mangroves that still covers the coast of parts of America, Africa and Asia. This salt water based agriculture model is developed and promoted by Dennis Bushnell (chief scientist of NASA Langley Research Center), Carl Hodges of the Seawater Foundation and Hazel Henderson among many others.
- The main crop could be Salicornia (http://en.wikipedia.org/wiki/Salicornia): their beans are rich: they contains 30% oil and 35% protein: making them better than soy. While soy production destroys landscapes and ecosystems, salicornia production restores landscapes and ecosystems. Imaging that this crop will grow in the world's deserts: the global food production would be more (with capitals: MORE) than every needed. Saline agriculture delivers also live stock fodder production for the world market, pushing round-up driven GMO environment destroying soy of Monsanto out of the market. There's no global food problem. There's a global misdirection i.e misperception problem. One that could be easily fixed (see the next slide for how).
- Seawater contains some 80% of the nutrients to grow plants. The other 20% can be added organic (aquaculture like fish etc. based on feeding salicornia and as waste producing fertilizer) or by technology produced fertilizers. Organic is the best (creating a full recycling system with no chemical input and no external imports/demands). Each plot of land has an own salt water channel part that could be used for aquaculture (fish, shrimps, seaweeds). Seawater also contains trace minerals etc. essential to a healthy diet which we have depleted from the usual farm lands. Growing crops by irrigation with seawater should provide improvements in overall human nutrition.
- Beside salt/halophyte agriculture, salt aquaculture could produce massive volumes of very luxurious flora and fauna species for the global gourmet food market. Salt water bushes could provide leaves and wood for several industries.

Manmade Amazons.

- To make the model more clear: it like the Amazon area, but than reversed in function (water in instead of out of the land and salt instead sweet water).
- Each 100 km wide and 100 km deep -or 50 km wide and 200 km deep- system delivers a 10,000 km irrigated area. This is 1 million hectares.
- An average farm size will be 20 hectares: this size is relatively small, but the comprehensive combo of agri-crops, agri-meat, agri-dairy, agri-vegetables, aqua-fish, aqua-shrimp, aqua-vegetables, energy-oil, energy-PV, services, leisure, etc. delivers high economic density in each 20 hectare. In the overall design 20% of the soil is for infra/nature.
- This area delivers 40,000 family farms, which will host average 5 people, so 200,000 people will live on the farms in this area. Add to this the same amount in support, trading, processing, grading, auditing, packaging, leisure, education, finance, telecom, etc and each such an area will host/serve 400,000 people.
- Never was economic development / solving youth unemployment / securing nation's future was never so easy to realize with such low investments. Just doing it was never so easy: this is low hanging fruit: only 10 of these easy to realize systems deliver an economic home for 4 million people for a nation. And 50 of such easy to realize systems deliver an economic home for 20 million people for a nation.
- Just seawater / desertsoil / sunlight driven mega economic development.

Step 1: Dredging

- The first step on coast boarding deserts with no rock soils and no elevation: With a big dredger 100 meter wide salt straight line channels towards inlands, in a 90 degree angle on the sea/ocean coast, in a 100 kilometer distance of each other are dredged. These channels could go as far need needed (so even for 100s of kilometers inland/indesert: depends on the elevation level of the landscape: as long as it is possible soil type/elevation wise). Also an sea cargo harbor will be located on the start of this main channel, this wider opening at the start of the main channel also will push by tide power more seawater into the main channel (the channel should build up pressure).
- Medium dredgers start to make 50 meter side channels in a 45 degree angle on the main channel. Small dredgers start to make 25 meter side 90 degrees channels in those 45 degrees channels. Smaller dredgers start to make 12.5 meter side 90 degrees channels in those 90 degrees channels. Smallest dredgers start to make 6.25 meter side 90 degrees channels in those 90 degrees channels. Mini dredgers start to make land plots reaching 3.125 meter side channels on those 6.25 wide channels.
- Maybe at the end of this pattern their will be a connecting channel line (pro: delivering water supply redundancy to each channel, but contra: increasing who system pollution risks). A nature zone will divide each of other of this 100 km wide systems. There'll also be bypasses (more operational risks, more redundancy, shortening distances).
- All variables mentioned above are just generic proposals, for example: elevation levels could demand less straight lined channels, elevation pipes/pumps etc: each landscape will needs it's own planning design.
- Step 2 (sowing) starts directly at the sides of each dredged channel. So value creation starts instantly. Direct ROI.

Or: Step 1: Piping

- The first step in areas/nations where rocky soils and/or elevation levels are present therefore dredging a Manmade Amazon is impossible is: building sea/ocean water pipelines. Pipelines than replace the by dredging made open water channels.
- Those sea/ocean water pipe lines make almost any non 100% rocks desert productive. Even regardless elevation, distance and soil type.
- Those sea/ocean water pipelines could be made of (most likely imported) iron, or could build in the desert out of the desert (sand for concrete or sand for glass) with iron and/or fibers in the construction.

Step 2: Sowing

- Now each plot land has an own indirect to sea connect channel for water for both agriculture (stable crops, vegetables, meat, dairy) and for aquaculture (fish, shrimps, seaweeds, etc), along with energy and leisure. Some farmers will go totally for agriculture, others totally for aquaculture.
- Than the plots of farm land are ready and the seeds can be sowed (soil life be transplanted by small soil deposit distribution or by soil pieces distribution: soil transplantation is this nature fast speeding-up kick start process called) and the irrigation can be started (by plastic tubes with slow seawater deposition direct into the soil, so not sprayed into the air: too much unnecessary evaporation resulting in too much salt staying behind). The land plot's own channel can be used for aquaculture too (this process goes natural driven by the combo of sea water and the sun). Sea/Ocean based agriculture and aquaculture value creation has started.
- All channel sides are reserved for nature corridors (mangrove woods), with in the middle of it the reserved corridors for roads. Within the channels nature will explode (it will become a breeding area for many flora/fauna species). Channel dredging maintenance could be done easily by this.
- The rest is 'downhill' (easy) based on this value creation. Not only for food and fodder: the biomass of salicornia could be turned into bio diesel too: desert based salt water irrigated salicornia will become a huge energy source. This delivers even cheaper desert generated energy than CPS. Still CPS will be needed for sweet water production.
- Step 3 (growing) starts directly at the sides of each dredged channel. So value creation starts instantly. Direct ROI.

Step 3: Growing

- All by channels disclosed and sowed areas will be sold to in family farm size lots to families interested. With a mortgage to make it accessible to them, but this only after they have followed successfully an internal education program tailor cut to their type of farm: percolating up development. Potential farmers are getting their education and if graduated they than can chose their plots of land with some finance for some growth season costs. Harvest equipment can be rented of bought (finance available). This all delivers employment for all youth in all desert nations, not only in farming, but also in engineering, trade, services, transport, etc. To prevent land ownership concentration the land plots can be resold in the first decade after the initial sale.
- The size of the plot given to a farmer depends on the availability within the project, the education scores and own capital input of the farmer and could vary between 5 hectares and 100 hectares. The average land plot is 20 hectares in size. The farmers could practice an own choice within the five-play potential business model: agriculture (stable corps like salicornia and vegetables that could be traded national or frozen international), aquaculture, livestock, energy and tourism. When they do good, they can hire employees or family (employees/family that maybe later on will start their own farms) and maybe move to a bigger land plot or (later on: in the first decade is land trade forbidden: it only can be sold back to the municipal) buy a land plot in the neighborhood . When the do good for a long time, their sons/daughters could become specialists in one kind of trade out of these multiple business model possibilities.
- Having cattle in an area where there is not yet natural fresh water is not a good idea. Therefore salt aquaculture will be the main economic fauna facet (fish, shrimp, seaweeds, etc, etc). Massive cattle farming could be started when a natural fresh water cycle or harvesting has been initiated, or when the fresh water infra has enough capacity against low prices to deliver fresh water to cattle too.
- Step 4 starts everywhere instantly as step 3 is initiated. Value creation starts instantly. Direct ROI.

Step 4: Infrastructure

- The fourth step is building the needed infra (mobile cell towers, roads, rails, power lines, bridges, sweet water pipes, telecom/internet fibers, internet exchanges, villages, airstrips, etc).
- Water traffic instead of road traffic could be sufficient in the first years (as that could be done of the free infra already available infra delivered by the channels). Farmers could finance a barge if they want (in the concept there are open source barge designs).
- In the planning road lines will be reserved, the road lines also host pipe/cable infrastructures. Bridges will be first low weight/capacity prefab manufactured (and in wide channels on floating support units). Road infra will be done on based on demand. Cargo transport will stay mostly on water ways, so roads/bridges doesn't need heavy weight specifications.
- The villages/cities that will rise on the land plots besides channel crossings will be crowded with traders, dry and reefer warehouses, container companies, boot companies, processors, builders, equipment manufacturers, equipment traders, equipment servicers, biodiesel factories and financers.
- Nations could decide to replace the main salt water open channel infra concept with a pipeline/pump based infra concept, but that demands much more time and capital than just dredging channels. The pipe/pump combo is (partial) needed if there's elevation differences to overcome. Also the pipe concept is needed for not ocean/sea boarded inland deserts. But if there are saline aquifers under that desert (like in the East Sahara is the case), than this is not needed. Pipes could be made 'in the desert out of desert' (sand into concrete or glass). The pipe/line infrastructure always should be done multiple redundant with bypasses (to prevent terror risks), both for main corridors, as for the peripheral corridors. Pumps can operate on local PV solar too (as long the third move is not implemented). Open waters also deliver mangrove style nature and thereby possibilities for ecotourism.
- Step 5 starts simultaneously with step 4. Value creation starts instantly. Direct ROI.

Step 5: CSP

- The fifth step is building solar thermal power (CPS) plants that supplies power and sweet water, based on abundant availability of saltwater and sunlight.
- See http://en.wikipedia.org/wiki/Concentrated_solar_power for this technology that uses concentrated sunlight to boil water (like in other power plants is done with coal or nuclear). The turbine technology is the same as by coal and nuclear, only here is salt seawater used and the result will be beside power generation also sweet water production. Also massive volumes of salt could be produced for the world market. The warmth waste could at night be used to for warming aquaculture fish/weed projects.
- Delivering both power as sweet water to nearby cities and industrial areas. The need for sweet water is why CPS will be an important part of this model.
- Power generation could be done for power export too. Energy imports could become energy exports (electrons of CPS, molecules of salicornia oil).
- Regarding energy production: the CPS tech will have huge competition of the first step (as the biomass of salicornia could deliver energy cheaper than CPS, as oil can be transported on existing wide container traffic without power line investments/risks).
- Regarding sweet water production: CPS is still needed for water supply to (and it delivers an energy generation redundancy: redundancies are always good: they deliver operational security).

- *The CSP option will not be deployed in a macro central way, but in a micro decentral way (delivering everywhere both power and fresh water as much as needed on any location). For the technology see the by IBM developed technology of concentrated solar with micro channel seawater evaporation as can be seen in http://www.youtube.com/watch?v=JVB9_3IKIAE.*

National Effects.

- As result of steps 1 and 2 and 3 the regional and national economies will be autarkic in food, water and energy.
- They will grow fast and the results will deliver stable economies: no bubbles, just each day delivering structural improvement.
- Their monetary system will be more stable than ever. Less imports and more exports means a lot for the health of a currency.
- Their employment rate will become close to 100% (full employment). Youth unemployment will be close to 0%.
- They will attract ‘green tourism’ at large scale by the mangrove type of inland ‘coast line’ expansion: warm water in a green environment. Cabins in this setting will be rent out fully the whole year around. In this 10.000 km2 wide mangrove looking, but by boat easy accessible landscape tourism will explode.
- They will create an emerging manufacturing industrial sector. How? All needed technology and knowledge will be published in open source environments (with crowd sourcing). So the models of the CPS, of salicornia based biodiesel factories, of barges, of pumps, of sowing machines, of harvesting machines, of processing machines, of warehouses, of crops, so of anything needed. They could be realized by anyone / any company. This lowers the threshold of starting new businesses significant. Open source technology will deliver an economic boom in national manufacturing too.
- As the whole area will function also as a breeding area (warmer not deep waters) for all types of flora/fauna the sea/ocean life will be exploding. Delivering more volume to the offshore fishing industry too.
- It will deliver per system a 10,000 km2 green area where first was desert. The evaporation and the water presence (water attracts water) will deliver rain in a much more wider area.
- The waters if the per system 10,000 km2 wide green area will deliver a new huge fishing area in all the channels.

Global Effects.

- Knowledge for regular agriculture. The knowledge on the first move (implementing halophytes) can also be used for current in use agricultural land that's in moving into salivation (caused by irrigation out of saline aquifers). Halophytes could restore them by absorption of the salt. Also the fish/shrimp/algae/weed cycle (the wet part of this model) will become a game changer for regular agriculture too: it will be applied everywhere (as it solves mineral problems, waste problems and fertilizer problems).
- End of importance of the threat of food DNA patent monopolies i.e. private corporations driven private / non state global food 'taxes': The global food patent scheme of the USA (the next global economic skimming after the dollar as global reserve dominance is gone) will be out phased and just made irrelevant in volume.
- Abundance: The global food/water/energy supply will be insured for ever. There will no food/water/energy wars ever more.
- Global economic recovery: The global economy will get a new thrive that will last for decades: delivering the Global West the time to adjust themselves to new (sustainable) realities.
- Rain in dry areas: If done voluminous (many of such 10,000 km2 systems) the amount of global rain in the dry areas will increase significant (due to more evaporation).
- Mineral recycling: Ocean water use recycles the now 'lost' minerals that drains to the ocean. It makes the world's mineral system cyclic: a huge sustainable step forward for mankind.
- Rise of the Global South: The model delivers the Global South an easy ticket into the world markets as food/water ('food is embedded water export') and energy are easy to access global markets. By this model the Global South will become an important part of the global economy.
- More awareness/sensibility on sea/ocean pollution. Consuming fish was a huge driver of this awareness/sensibility. By the use of ocean water as irrigation this awareness will boost once again. More nations will gone see the ocean/sea water and by that the oceans/seas as one of their critical resources and political intent/power to protect oceans/seas from pollution will rise.

Using rain and condense.

- For semi desert bordering regions with more than 100 mm rain annual there's a presentation on the internet that explains the than needed kick starting of nature for Desert = Food perfect: Peter Westerveld on TEDx on Desert Agriculture: a video of 20 minutes with illustrating animations (this is a must see video: watching it will change your view on desert borders for ever).
- Just dig trenches and than nature will do the job further (really, nature will do that, using the power of nature…). Why?
- Guiding rainfall into the soil (what otherwise would be evaporate the same day): it will deliver instant flora (making areas green).
- Flora multiplies nightly condensation based input (condensation is driven by flora's 3D surface extension) and flora also delivers more shadow (reducing evaporation during the day).
- Kick starting nature also delivers additional a mega volume of natural 3D elements into the landscape that a) delivers more shadow and therefore less evaporation and b) harvests the night condense maximal (often more than 10 times the rain volume).
- The problem with semi deserts is the fragmented land ownership. This is the huge chokepoint that must be solved before this model could be implemented. It could be solve (as it the result is value adding for all landowners).

How to do that?

- Greening the >100 mm annual rain areas is as simple as processing the sand soil by a specially designed and on solar power driven (fuel free operation) huge vehicle.
- The parts for these vehicles (except the electro motors and solar panels) could be within the nation build and the vehicles will be assembled on location. They are huge (they have 4 wheels of 5 meter diameter and 1 meter wide and are 500 m2 big in size and are by design well protected against sand driven parts erosion). They are powered by 4 electric motors of 60kW delivering a total of 326 hp.
- Each of these giant vehicles can process up to 1 km2 (100 ha) of desert each day (due to its relative high operational speed). Delivering a parallel soil cut pattern that takes care of the main purpose of this all: getting the rain absorbed by the soil before it evaporates (and so storing water). With as operational variables: v for sun power, w for soil hardness, x in distance, y in width and z in depth: Together these 5 factors determine the actual operational speed of these vehicles at any given location.
- These vehicles also map the deserts by use of GPS and analyze the desert soil by using of a wide variety of analyzing equipment: data convenient for all improvements. These vehicles also ‘houses’ both the operational and research crews in light weight containers: all having a room of their own (as the vehicles are 500 m2 in size).
- We’ll also ‘transplant’ (deposit) a very little quantity of soil from green areas into/on the soil. This speeds up the kick starting of nature (soil life processes) tremendously.
- We’ll also deposit some of the seeds of the wanted crops into/on the soil. This speeds up the commercial side of the exploration process.
- These processed areas are greening within 2 or 3 years (depending on the time of the year the soil is treated) and could be sold to farmers for permaculture (live stock in combination with nuts/fruits) first and later on a combination of permaculture and regular agriculture (but permaculture always have productive/financial/ecological the upper hand on regular agriculture).

Deserts = Food

Sea water based

- Only sand areas with no annual rain fail and if they are located within hundreds of miles from ocean borders could be used for salt water flora by utilization of the some 10,000 Natural Halophytes that grow on dry land using saline (salt water). This salt water based agriculture model is developed and promoted by Dennis Bushnell (chief scientist of NASA Langley Research Center), Carl Hodges of the Seawater Foundation and Hazel Henderson among many others.
- Thermal solar power plants in the neighborhood also can also deliver huge amounts of sweet water steam output in the air that will condense at night in their surroundings. This is another reason why a comprehensive food/energy approach is the right one. They also could deliver sweet water for fresh water based aquaculture. Having more water in the air due to solar thermal power plants steam output and soil due to the guiding of rail into the soil and due the huge condensation volume of 3d structures like plants also calms temperatures (both in day's heat and night's cold).

Rain water based

- For deserts with > 100 mm rain annual there's a presentation on the internet that explains the for those areas needed kick starting of nature for Desert = Food perfect: Peter Westerveld on TEDx on Desert Agriculture: a video of 20 minutes with illustrating animations (a must see video: watching it will change your view on deserts for ever).

General

- Salicornia | Meat | Dairy | Bananas | Oranges | Lemons | Tea / Coffee | Cacao | Nuts | Vegetables | Etc | Etc | Etc: Any agricultural/aquacultural commodity that has futures market potential.
- Emerging nations need food very much (up to 50% of their food needs are imported, destroying their currencies by inflation). Their food needs will be the main reason why they will join the DesertCorp model.
- Another important facet is that the Northern Hemisphere will have another series of decades a Maunder Minimum (http://en.wikipedia.org/wiki/Maunder_Minimum) this century: by this food prices in the Northern Hemisphere will skyrocket, due poor own harvests due to this.

Deserts = Energy

Salt water agriculture/aquaculture based

- The halophytes could also deliver a huge flow of biodiesel. The technology is simple and could be easily decentralized in small local/regional factories.
- We at Planck Foundation were always very sceptical on bio fuels. Very. As they were produced on former food producing areas of land: driven global food prices up. We have changed our vision due to theoretical research of Dennis Bushnell (NASA) and the practical research (doing it in real life) of Carl Hodges (Seawater Foundation).
- The volume of seas water based agriculture could compensate all future global energy demands by biodiesel production. We're talking on 33% of the global land mass that's now desert and that could grow salicornia irrigated by seawater. Deserts are the solution for any future energy problem/demand. No powerlines needed in this model.

Salt water CPS technology based

- Desertec is a huge global relation network for power generation in the desert. See www.desertec.org for the old promoted concept.
- But Desertec has unfortunately three build-in errors (and therefore the huge Desertec efforts has gone nowhere yet): 1) Desertec is based on german industrial manufacturing (not on local production). 2) Desertec is based on power export from Africa to Europe (not on local consumption). 3) Desertec is based on intercontinental cable infra on large distances (and therefore a) very expensive if made in needed redundancy and b) very vulnerable for terror (sitting duck).
- We do the same as Desertec (thermal power generation in the desert), but we do it without those three important Desertec errors. Our CAPEX (investments) is half of that of Desertec, so our energy cost price is considerable lower. Our OPEX (operational costs) is half of that of Desertec, so our energy cost price is again much lower. We don't need intercontinental power transmission lines (with all the geopolitical, operational and terrorism risks attached to it). We don't need sweet water or chemicals to operate (we use salt ocean water and deliver sweet water due the condensation of the steam after it has driven the turbines).
- Deserts are the solution for any energy problem/demand. The intercontinental powerlines are the problem.

General

- Emerging nations needs power very much (even till 75% of their energy needs are imported, destroying their currencies by inflation). Their power needs will be the main reason why they will join the DesertCorp model.

Deserts = Water

- Emerging nations with deserts often needs water very much: they often have huge regional water deficits.

- Not only for agriculture (which could be ‘embedded imported in food), but also for urban needs: a city without water is no city.
- The model we operate provides desert cities the required water supply (so they have not to be abandoned because of water shortage).
- This applies also too for e.g. the USA (California, Nevada, Las Vegas, etc, etc: water resources decline there due to soil/desert/ecological mismanagement).
- This applies also to a large number of cities enclosed by desert growth in China (their mayors/governors have visited us recently).

- Their water needs will be another main reason why emerging nations (and also developed nations like USA and Australia) will join the DesertCorp model.

Deserts = Infra

- Deserts now often are very large barriers. Deserts could become connections.
- Infrastructure is what makes the difference. With transit hubs on central points. Connecting all sides of the deserts with each other. And all that's behind those sides of the deserts.
- Infra brings economic development: Infra delivers exports and monetary health. Infra should be low cost and low maintenance (using the new bio concrete material).
- Infra will have a railroad facet too (as well fiber lines, power lines, water pipelines facets, natural gas pipelines and oil pipelines too).
- Infra could be financed as part of the DesertCorp concept. Lifting this financial burden of new infra out of the current state budgets.
- Emerging nations needs infra very much for their economic development. Their infra needs will be an important reason why they will join the DesertCorp model: The fact that the DesertCorp model offers them build-in infrastructure development/finance is of great importance to them.
- The seawater based model a) brings the coast hundreds of kilometers inland (with all the economic benefits of that, b) delivers a 10,000 km2 wide channel structure.

What's our approach?

- There are a lot of desert greening concepts out there, but non of them has any significant volume. The reason of this lack of volume of all these concepts is that the designers of those concepts (and their 'preachers') see their own designed/promoted concept as the one and only answer for exploring the deserts. Even if all these solutions only are suitable for some type of desert or some type of nation. As we all know: statements similar to one size fits all hold not that much truth.
- Our approach is more a comprehensive one: integrating all this desert greening and economic possibilities into a comprehensive initial, organizational, functional, knowledge and finance combined model. We make it start happening, we integrate different models, we arrange national and/or global finance/demand.
- And of course we go for the low hanging and voluminous fruit first. Only fools will go for the most technological difficult, most capital demanding and most risk approach.

What choices have to be made?

- We strongly believe that a government should do the govern side of nations: they should never outsource this ever. Regarding to resources governments should collect state fees on resources exploration and govern both the resources operations as the spending of the state fees towards interest of the whole population. Governments should fight for the public interest.
- Governments should never merge with business (both governments and businesses should do their own work, never let one business get an advantage by its governmental relations) and governments never outsource governing functions to businesses (self compliance control of corporations is an illusion that turns into a nightmare). Governments should legislate and control: they are the boss, but they never do business themselves or merge with business (which delivers a huge gray area at the cost of all parties involved except for those few who loot this situation).
- On the other side we also strongly believe too that businesses and foundations should do the earning/business side of nations: They operate much more efficient, innovative and competitive than governments: Government ran economies have proven to be not performing failures. Government protected monopolies are not that efficient too: Competition delivers better outcomes. Businesses should do business: performing within the law, pay taxes and never try to compromise/bribe government officials.
- In this very clear / very separated government/business context there a second basic choice to be made: We offer two approaches for desert exploration to nations: an ‘open source’ model and a managed model. Both models stimulate and help nations to start a national DesertCorp unit. Both deliver a mix of advice, finance, knowledge (university), contacts (diplomacy) in a turnkey start help or managed model. A nation should chose between those two (or do them both simultaneously/parallel..).

Open source or managed (or both)?

- The open source model delivers an operational model with realization support: The fact that we offer also an ‘open source’ like model makes it clear that we’re 0.0% imperialists, but that we’re focused on national self-empowerment of nations with deserts. The open source version of the national DesertCorp organization has a functional and no profit objective, still it could choose to get listed in the own nation if needed.
- The goal is to turn deserts into productive economic areas in the best way possible. As there are in both models no shareholders to please, there will be no money drain towards shareholders that burdens/taxes each and every income for third parties.
- The managed model has some attractive specifications for nations a) we are online transparent in any (!) cost (so any bribe or theft pollution is not possible), b) we deliver 50% of turnover (not revenues: turnover -!-) to the state and c) we support the national organization with international services regarding global product demand, d) we support the national organization with international services regarding global investment finance, e) we keep the national revenues within the nation to build finance facilities and f) we make a national foundation the share holder: this foundation has a functional (turning deserts into productive economic zones) and therefore no profit for shareholders objective.
- In the ‘open source’ model there’s not only no foreign ownership of the national model, but also no foreign influence. The open source option makes the DesertCorp model totally different from for example the oil exploration model the foreign oil/gas corporations are using to explore national oil reserves: The open source model support nations in doing it themselves: we just help by initiating, facilitation, finance, trade, etc. But we’re taking no responsibility, nor are able to enforce changes when they are needed.
- We operate the open source model beside the managed model too as we believe in strongly in self-empowering / self-development of nations, both for internal development as for export (together they make economic progress). So we’re not that much of the patronizing/imperial aid side of this spectrum: we’re more of the creating independence/autonomy focused trade side. And regarding this trade side: we’re not that much of the unequal balanced fake ‘free’ trade side the USA is proposing (which just deliver them an even bigger head start at the cost of emerging nations: law of the jungle economics at the cost of the growth emerging economies), but we’re more of mutual interest based trade/finance side. No foreign ownership nor steering.

Which operational model?

- The former land extension model used in Holland is the model we copied for both the open source as the managed DesertCorp model: See the success stories of the RIJP/ZIJP as semi-governmental bodies in Holland: In Holland it was turning seas into land economy and by DesertCorp it's turning deserts into land economy. The sea-to-land extension program in Holland was effective (as it was bribe free).
- Our models are focused on use of local workforce and using local/national industries owned by their own people/business or by (if needed) national stock listings.
- Our models (both the open source and the managed model) are therefore also fully open for cooperation with the DoDs (Departments of Defense) of nations. Large areas are their sensitivity. No foreign involvement too. Infrastructure can help them or crush them. Etc, etc, etc.
- Our models investigate/integrate all available desert solutions into one tailor made comprehensive unique master plan. Any desert and any part of each desert can be used (for food, for water, or for energy).

What standards do we follow?

- We don't bribe. Never. We think bribing lowers both output quality as quantity. We don't have the money to do that. We also don't need to do that: the global 'desert market' is so wide, that we can ignore all bribe demands. We can't have that imago. In what we do is so much space that there's a place for everyone interested/motivated: that should be enough incentive for everyone.
- We demand internal high moral behavior. We don't have opinions on other people's/companies'/nation's morals. In this we act contrary to most organizations (who have opposite views on this: no internal moral standards, high moral standards for others).
- Our accounting will be full transparent and will be published in total dept/detail on the internet (so including wages/fees/margins etc). This will guarantee the high internal standards we want to follow: hiding looting or bribes will just be not possible.
- We respect local cultures/religions. We're just desert exploration focused. No more, no less. We respect local communities. We ensure this by getting national, province and local signatures on all soil deals. We don't facilitate in, nor cooperate with land grabbing practices.
- We're neutral in local/regional/geo politics (we only have three opinions: all three are just on desert exploration: the first is that is should be done, the second that it should be done in low cost way and the third is using maximum use forces/powers of nature).
- We're not a western organization: we're a global organization. We don't export any culture or any other immaterial facets besides desert exploration initiative and desert exploration knowledge. We stimulate and facilitate peer2peer knowledge sharing between the different national DesertCorp organizations: to eliminate/undermine any western/imperial objective (which creates/secures management/knowledge diversity too: another nice side effect of a peer2peer instead of hierarchical organization structure).

How do we finance?

Besides taking the initiative and delivering organization of knowledge: delivering finance models is the key to both the choice by nations for realization and the realization itself. We offer nations finance tail suitable finance structures that by their nature will suit every nation.

- **National/Global Commodities Future Contracts**

(national and/of global, and regarding global: not only Chicago, but also future markets in emerging nations)
(using the global futures market potential and/or using direct global food operator contracts)
(could be a source of unlimited funding if governmental backed)

- **State/Province Guarantees**

(national state guarantees of food future contracts and of infra investments could support financing desert exploration significant)
(state guarantees are still a yet much unexplored way in the finance of exploration of national resources: much potential is not used)
(the state guarantees should only be used for projects that a) have a proven ROI and b) stimulates exports)

- **National Central Bank Issued Inflation Free QE Liquidity**

EQE = Energy Quantitative Easing (using inflation free QE for PV and solar/geo thermal to replace energy imports)
DQE = Desert Quantitative Easing (using inflation free QE to turn deserts into economic productive areas)
IQE = Infra Quantitative Easing (using inflation free QE to build infrastructure)
RQE = Road Quantitative Easing (using QE to build roads)
PQE = Pipe Quantitative Easing (using inflation free QE to build pipelines)
RQE = Rail Quantitative Easing (using inflation free QE to build railroads)
TQE = Trade Quantitative Easing (using inflation free QE to fund export deals)
(all of these QE models are inflation free QE models if they're used to reduce imports and to increase exports)
(as they aren't used for currency watering down imports but for currency empowering production)
(as they deliver unlimited funding for non imports related investments, that facilitates more exports)

- **Bilateral Central Bank Currency Swaps**

(delivering an mutual interests based trade framework between two nations, making them both stronger and less depending on the dollar)

Those finance models are designed by DesertCorp's initiator Planck Foundation: they are desert adjusted versions of their monetary models.
Planck Foundation is a developer of balanced healthy economics driven monetary models: backing currencies by real assets (not fiat or gold).
Monetary models that use the financial industry as distribution channels: delivering them a distribution margin in their dire straits.
By the profits they'll make on these models they've time to divert themselves away from Real Estate Bubbles.

Why nations will choose DesertCorp?

- We deliver food security/independence.
- We deliver water security/independence.
- We deliver energy security/independence.
- We deliver huge infrastructure extension.
- We deliver new (not yet explored) huge economic potential.
- We deliver stable productive economic growth.
- We deliver not an unsustainable credit driven economic growth model.
- We deliver monetary stability (production: less import, more export).
- We deliver enormous job growth.
- We deliver not financial capitalism jobless growth, but real productivity based growth.
- We deliver the best available open technology.
- We deliver both external and internal finance models.
- We deliver a nation focused joint venture model (no imperial drain).
- We deliver a nation protection against imperial patent based capital looting.
- We deliver an anti bribe/corruption development model.
- We deliver nations a public interest model (a template for energy/mining).
- We think aid=imperialism and we stimulate a self-development models.
- We offer an ‘open source’ and a managed model (or a combination of those two)

How to realize a national DesertCorp organization?

- The first step is convincing the national government. We're open to cooperation with all layers of governments of all nations. The cooperation method is simple the creation of a national owned/managed DesertCorp Foundation entity. Governmental controlled or managed by us: both is possible. The government brings the deserted desert areas that they want to be developed into this national entity and delivers the start equity. The ownership and the management are 100% national. This concept of a national owned and operated DesertCorp entity takes care that operational dividends stay within the nation and can used as equity for further finance and/or can be paid out to the state. So there's not any imperial exploitation / looting / influence of the desert output. This concept of a national operated DesertCorp entity takes also care that a nation can mold the concept maximal to their own plans, culture, development, etc.
- The second step is opening a huge building somewhere near universities and the ministries: students can work here voluntary. Together will all stakeholders we draw a master development plan for that desert which integrates food, water, energy and infra. The detailed rain fall data per sector is the main factor by producing this master plan.
- The third step is financing: Is the master plan ready and accepted (and approved by all layers of government, national, regional and local, as well by the national DoD), than we realize the finance (national by DQE/EQE/IQE/TQE) or international by food commodity future contracts.
- The fourth step is realizing: Then we start to realize. We will work out of the desert borders, as that delivers the best CAPEX efficiency by the 'invest as we go' model (that delivers infra finance when infra investments are needed and not earlier). We import as little as possible. We use only national workforce (which DoDs likes very much).
- The fifth step is education: On/Offline education for all future owners by offering them tailor suite to their future company fitted knowledge. Only the best are getting a business (with a finance structure and a support structure). We don't decide on their business model nor on their crops: we just facilitate the choices these people made. Our guarantee for success is the education mentioned earlier.
- So there's NO international hierarchical organizational structure: All nation organizations are fully independent. The global organization just promotes a concept i.e. a way to look at deserts. This way DesertCorp totally have left the turmoil of the global geopolitical arena and all it's bullies.

One design example of the managed (joint venture) national desert exploration model looks like this.

Our realization approach towards nations in the so called managed (joint venture based) model would look like something like this (not mandatory exact this way):

- establishing a joint venture entity (50% national ownership - 50% Desert Corp national ownership)

- both partners have a veto right: mutual ensuring good governance of the entity)

- funding the joint venture by the government in their own currency (the use of the national currency as fund currency ensures the preferred use of national economic players)

- each payment done by the entity should be approved by the government installed on-site auditor (delivering maximal security for government)

- hiring an office building in the neighborhood of all other governmental offices (securing the control of national interests), hiring an office staff (half national experts, half international experts)

- bringing desert areas into the joint venture (to secure the realization)

- hiring office buildings near all national universities and colleges, starting the design (as much as possible together with national universities/colleges)

- starting the funding (we have models that attracts foreign capital without attached foreign influence)

- starting the realization (sea water infra, other infra, first flora soil coverage)

- starting aqua/agri farmer education (the education will be half at school and half at the fields)

- each graduate could start an aqua/agri farm on the realized plots (a lease towards ownership model)

- long term export contacts with the big global brands will deliver the farmers stability of demand/price i.e. income

- the build national expertise in desert greening will be used in other West Asian and North African nations (knowledge economy)

- the huge rise of export of aqua/agri culture products will support the rise of the importance of the national currency in global trade (bilateral own currency based trade agreements)

This design is focused on delivering the nations maximal operational control and maximal economic benefits during the realization: it's national economy focused model. The profit delivered by our 50% share will be used to deliver equity loans to small businesses in the nation (the Raiffeisen model). So no capital earned in the joint venture will ever drain out of the nation. This will be stated in the joint venture agreement. It develops national economic development. It merges with national universities and colleges. Each barrier that could stop the project is removed. The DesertCorp National Organization 50% share stays also in the nation and will be held by a transparent foundation and therefore will be under national unit control. The managed (joint venture) model is just like the open source model not about DesertCorp: both are about national development, so DesertCorp is not in control: DesertCorp just facilitate by delivering knowledge and models (applied knowledge). As stated above: this is a toolbox for nations to deliver them desert exploitation and an attached economic diversification/boom. Nations could thrive by this sea water based desert greening/economy model tremendously while widening and diversifying their economies. Water security, food security, economic security, social rest and youth employment are delivered by this model too.

How to start a national initiating office?

- Getting An Office: As a start office: just a place to host the start team in the first weeks. Or better: a large office vacant/abandoned government building to host directly also the whole organization also after these start up weeks, this building should be fiber connected.
- Getting A Team: The start team's job is a) to build the organization, b) to make the initial digital presentation, c) to realize the initial digital infra and d) to get the initial exposure. Building Organization: Structure, reporting, accounting, etc. Making Presentation: Realizing the basic communication base: website, animations, videos, lectures, texts, photos, etc, etc.
- Going Digital: In the digital realm there should be a choice for redundancy with a) running on existing external large volume platforms (wikipedia, twitter, skype, facebook, instagram, youtube, gmail, google+, google hangouts, etc, etc) and b) realizing our own internal digital open source platforms under one DS (storage, databases, apache, jabber, moodle, wiki, imap, cms, erm, asterisk/voip (?), etc, etc plus the regular office IT). This combines the best of both worlds: giving both huge external global reach and controlled internal quality.
- Getting Exposure: Turning deserts into productive economic areas is something that's quiet an media attraction proposal. It will attract global a lot of publicity. It's about searching for and respond to that media volume. It's about having a smart team with well spoken and intelligent spokes men/women. It's about operating an own (low price) studio and will have our own (third party leaders) interviewing channel to (also to get their attention that way).
- Getting People: See the next slide for that.

Getting National People

- Everybody who wants to contribute will be facilitated in the third party open digital environment. Out of this realm we will select based on input of those who can enter the closed/controlled/managed digital environment. Out or this realm we select students, unemployed, immigrants and government officials to attend the office. This voluntary office volume under tight management will work in knowledge or in realization.
- The knowledge part (the ‘university’ part) will workout functionals (modules for master plans like crops, water, energy, waste water, business models, finance, futures, etc, etc) and deserts (making master plan proposals for each desert).
- The media part (the ‘exposure’ part) will search global/national/region media contacts and deliver them the desert exploration model by the standard communication material and if needed redirect those media to spokesman/women.
- The realization part (the ‘diplomacy’ part) will use the communication materials/tools to get other governments interested and acting by reaching out to them and by responding to their requests for information: guiding them towards a national desert exploitation model.
- The people who attend the office will BYOT (bring your own technology) in an only limited bandwidth and ports delivering by wifi office IT. There will be a presence logging system. They could use flexible workspaces, flexible meeting rooms and some facilities. They will have some meal credits. They will get an attention attracting / presence emphasizing yellow bike of E 100 and a tablet of E 100 for free. We will not pay any wages, nor cost compensations: we need people that are dedicated and are willing to use their student loan capacity or social benefits arrangement to get further in this field.
- The DesertCorp organization will work together with the student organizations, the immigrants integration organizations and the unemployment organizations and their respective regulators. We just will facilitate a controlled / managed place to work/meet in a productive ambiance, with only some meal compensation.
- Companies/corporations/nations can fund the costs of the realization of such national hubs. They also can establish external liaison offices in the same building or complex of buildings. Internal liaison offices are not allowed as they could bring one sided ‘pollution’ into the designs and relations.

National/Global Peers/Hubs

- Any nation or region (even in non-desert nations: from the perspective of food security and/or international corporation) can ask any already realized DesertCorp or us directly to roll out a copy of there global/local knowledge and realization hub model. Any university or city with lots of students (experience) or immigrants (economic reach/contribution) can do too.
- So there's no global original (which could lead to design mistakes), but any nation/region can choose the peer they appreciate to help them with the start. They will be helped by that peer by realizing a copy of the initial knowledge and realization structure for further development.
- The budget for making a functioning local/copy PoP (Point of Presence) is about E 5 million. It will operate on the same basic model as the peer original, but of course it will be fully locally adjusted.
- Developed nations can help emerging nations having deserts to realize a DesertCorp model in their nations by offering peer help/funding of the start.
- Emerging nations can help other emerging nations to realize a DesertCorp model in their nations by offering peer help/funding of the start.

Cooperation with governments

- Nations or cities outside Africa that see the huge bilateral perspectives/benefits of having parts of the global network unit and some of the global functional trade/finance support structures located in one of their financial centers: That's fine with us: We like it: Let's talk.
- In that case: The Building: We'll need a huge (part of an) empty building to host the organization units. We will need at least 6 floors (one for the organization, one for the 'exhibition/congresses' unit, one for the 'lectures', for the 'university/functional' unit, one for the 'diplomacy/geographical' unit and one for the meeting spaces).
- In that case: The Overhead: We'll facilitate students/immigrants regarding the functional knowledge units (the 'university' model). We'll facilitate students/immigrants regarding the government contact units (the 'diplomacy' model). We'll not pay these students/migrants any wages, nor give them any cost compensation (the low budget model). We'll give them work space, meeting space, communication tools, communication templates, everyday a wide choice in lectures and a free meal card. We'll pay the managing staff low/normal salaries and low/normal cost compensations and keep the size of the managing staff small/minimal.
- In that case: The Budget: We'll not start such operations without adequate funding for the costs. 'Never start building a tower if your funding doesn't allow you to finish it'. Therefore a sponsor should guarantee at least the operational costs for 2 years.

Governmental Realization Plan

First: Make it a regional/national agenda governmental item. In the first phase: keep it the first period among peers: don't aim too far beyond peers: that slows down everything significant.

Second: Reserve one or two areas for this deserts into productive areas model: One at sealevel for salt water channel model, one at elevation levels for the pipe line model. We have no demands on the size of both: but yes: of course we like them as big as possible.

Third: Create an entity (50% state, 50% a foundation: your regional/national DesertCorp entity). By this model you're insured that there will never be any transfer of profits out of your region/nation. Profits will be used as equity to finance farmers: this is the Raiffeisen model: delivering fast and stable economic growth/diversification: it delivers a financial depot for further economic diversification/development for your region/nation. We report weekly online both financial and operational. We import only that equipment what not can be produced regional/national: we aim wide regional/national economic development and better trade balances: so we don't like imports that much. We hire only those employees that aren't available regional/national: we aim wide regional/national economic development. Our economic model is the Hamilton/List/Schumacher model, that's quite different of the both USA and China model. The state gets a veto right, we have a veto right, so we keep each other 'on track'. We make an one page contract that rules on all further contracts.

Fourth: Create some funds. Don't be modest in this, the state has it's veto in allocating these funds, so make them maximal in size. We will use national and international financial markets and players too: but we use them, not the other way around: as financial capitalism is a parasitic dead ended street that loots everything on their way: we need to build together, not being looted by them: the state and us should be in charge, not some foreign financiers. We have no demands on the size of the funds, but yes: of course we like them as big as possible.

Fifth: We start. The first ROI will be generated within 2 years. We kickstart nature and guide/explore/harvest it: agriculture / aquaculture will boom, food/water/energy/tourism/knowledge/businesses will boom. This model is very good applicable for the economic development of the Global East and Global South: it helps/stimulates private enterprises from small to large.

What will be the result? Your region/national will become a vibrant economic center. We turn the geographic/geologic factors that were against it around in driving forces. Your region/nation will become an example for the rest of the Global East and Global South. Universities and research centers will rise and attracts scientists, professors, students and visiting officials from all over the world.

Cooperation with financials

- Financials that want to develop finance structures based on our finance models to offer to nations/regions can contact us for creating joint ventures.
- We deliver besides the knowledge also huge access to the demand side, they could cover the operational and supply side.
- As clearly stated in this document we have a public interest driven approach and therefore we'll not go into joint ventures that want to hurt the public interest.
- The volume generated by DesertCorp is of such a size that ethic all stakeholders focused business behavior will pay of big time.

Cooperation with manufacturers

- Producers of equipment/technology that will be used massively within the DesertCorp models can contact us for creating joint ventures.
- We deliver besides the knowledge also huge access to the demand side, they could cover the operational and supply side.
- As clearly stated in this document we have a public interest driven approach and therefore we'll not go into joint ventures that want to hurt the public interest.
- The volume generated by DesertCorp is of such a size that ethic all stakeholders focused business behavior will pay of big time.

Cooperation with food operators

- Global food brand operators that want to use the food output of the DesertCorp models in ‘up cycling’ their turnover/margin (build-in better world specs that the consumers want and therefore are willing to buy and pay a premium for) can contact us for creating joint ventures.
- We deliver besides the knowledge also huge access to the demand side, they could cover the operational and supply side.
- As clearly stated in this document we have a public interest driven approach and therefore we’ll not go into joint ventures that want to hurt the public interest.
- The volume generated by DesertCorp is of such a size that ethic all stakeholders focused business behavior will pay of big time.

Some additional design remarks…

- Emerging nations are sick / critical of foreign exploration of their resources, certainly when it goes in the direction of looting a nation of it's resources. They all will do Putin like reclaiming moves by any exploration excess. This is why we offer the open source variant too: we're nation servers, we're not nation looters.

- We like the national economic views of Alexander Hamilton and Friedrich List: the national innovation model: making nations more independent instead of keeping them in a client state for delivering resources to the Global West and/or forced open markets for the manufactured products of the Global West.

- DesertCorp offers national DesertCorp organizations finance and realization arrangements for desert exploration. We'll offer global future contract relations etc: anything that could support national organizations. We will not have any mandatory arrangements: we're servers, not lords that want to be served. For the use of the brand we only have standards like build-in no-corruption/bribe mechanisms and non-discriminatory behavior in the whole public interest.

- The profits national DesertCorp units earn on there huge volume arrangements will be kept a) small, b) inside and c) national. The main objective is turning the deserts into productive economic areas. If a public listing is a part of the plan: the dividend payments are just a part of the realization model. If the national DesertCorp organization is not (or only partial) public listed: earned equity will be used to leverage/deliver mortgages to the buyers of land etc. So the earned profits will be invested in further economic development. So the earned wealth never goes in the pocket of shareholders. Just because we like the business/finance views of E.F. Schumacher and F.W. Raiffeisen and act based on these.

Start Status

- The global organization which is focused on realization of national organizations first and on realizing global functional supporting structures (the last mostly in the field of trade and finance) is at currently at ‘website/powerpoint’ status.
- Add to this a huge global network as result of more than a decade extensive networking done by Planck Foundation (www.planck.org).
- We’re working low cost mainly towards governmental relations realm right now. The more expensive to develop global functional facilities we don’t invest in right now, as the first goal is getting nations interested in desert exploration.
- Achieving the interest of nations is more important than building a top weight/cost global functional/facility organization. Demand first. We’re not targeting any overhead costs at this status. We follow the ‘pay as you go’ model also for ourselves.
- As DesertCorp is born and further developed within Planck Foundation. Planck Foundation is therefore currently paying for all needed expenses. On their request we limit all costs to a ‘cost allergy’ level: close to zero.
- Ambassadors of several nations (latest count: 8 already) are working to get the DesertCorp model realized in their nations.
- Governmental officials and politicians of many nations are working to get the DesertCorp model realized in (or: with support of) their nations.

Planck Foundation

(global leading in ‘Inflation Free / Non Toxic QE models’)

- DesertCorp is developed within Planck Foundation. Planck Foundation has developed several targeted / narrowed / focused ‘Inflation Free / Non Toxic QE Models’: monetary models that stimulates wealth creation and distribution by the market in way that respects both people as the planet. Quantitative Easing with attached non derivated securitization brings backing with real assets into the monetary system. ‘Inflation Free / Non Toxic QE’ is the only sustainable way to create and distribute market driven wealth/prosperity: as both consumer debt, nor state debt aren’t sustainable models. Subsidies disturbs market mechanisms, but steered finance access doesn’t.
- Sustainable wealth/prosperity is besides the rise of household earning by market driven jobs, also very much the reduction of pollution and the availability of energy/resources: Our models reduce polluting and reduce pressure on limited resources (by making more of them available).
- Planck Foundation has developed several ‘Inflation Free / Non Toxic QE Models’ for both the economic matured Global West (they wish to maintain the wealth level they have) as for the emerging Global East and Global South (they wish are to reach the wealth level of the Global West).
- All nations could also use the TQE (Trade Quantitative Easing) model: using targeted QE to finance national exports and by that stimulate the production capacity of a nation.
- Nations with raw materials (and as said: we see deserts as just another national resource that could be explored) we have RQE (Resources Quantitative Easing) monetary models that they could use to explore these resources for the benefit of their whole population (and not a for the benefits of a selected elite with government relations at the cost of the rest of the population i.e. at the cost of the public/common interests).
- Any central bank and government combination could use our models for free. Governments also could use our ‘non monetary, but state guarantees based model’ if they want to act without a symbiosis with their central bank (something that’s not wise: they should work together in an inflation and risk free model). Central banks that by their governments are pressured to deliver traditional/toxic (inflation creating) QE: Planck Foundation can deliver you ‘Inflation Free / Non Toxic QE models’.

Short cutting to a national DesertCorp?

(‘how to speed up the realization in a nation’)

In case a state can’t fund the start equity quickly other sources can do that.

(national/foreign development agencies, foundations or corporations)

ROI on this equity: An Areola (around/above your nation/corporation/brands/function)

Some nice additional ROI on this…

Wide access to emerging nations:

(full of business opportunities)
(forget the Global West: decline is everywhere)
(the Global East and Global South host the new opportunities)

Plus a ‘founder status’ by/for PR:

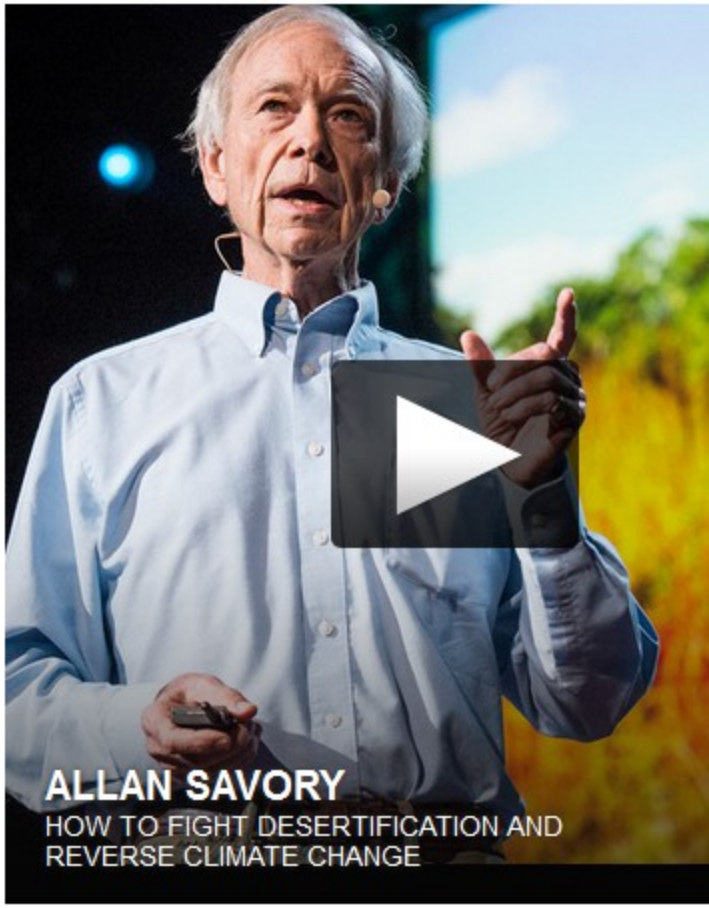
(when it will become big, this will be a huge PR advantage)
(enlarging corporate imago, widening corporate reach)
(opening doors, working public relations, nice feeling)
(delivering a huge PR/relational to explore facet)

rtCorp in a nutshell' slide presentation

desertcorp

Desert Food
Desert Water
Desert Energy
Desert Infra

Desert Advice
Desert Finance
Desert University
Desert Diplomacy



arth's land mass is desert.
e a national asset. Just like oil.
ast into productive agriculture.
ghting) the concepts of nature.
in turnkey model) desert revenues.
monetary advantages for nations.

Feeding the world. Watering the world.
Employing the young generation in emerging nations.
Creating global stability. Ensuring regional peace.
Delivering national food security for nations.
Breaking the food DNA monopoly agenda of Monsanto.
Avoiding the Kissinger Doctrine (controlling nations).

Guiding rain into the soil (cutting evaporation loss)
Attracting/tampering rain fall (rain without floods).
Preventing the arise of dust bowls / sand storms.
Delivering water supply to desert based cities.
Empowering local/regional/national economies.
Establishing road/rail/bridge infrastructures.

'sustainable/bubbleless prosperity.
m (market wealth distribution).
sm (wealth concentration).
tents on crops/models/technology.
imperial taxation of the Global West.
ir promotion research on all facets.
national/regional/local governments.

National DoDs could be part of the management.
Ensuring no hostile/imperial/colonial influences.
Almost fully use of local employees (training included).
Empowering nations in the Global South and Global East.
No pushing of WB/IMF credit (out of instead of into debt).
Sharia compliant food commodity future contracts.
Supporting meat/dairy/food exports and export finance.

Our organization. Our offices. Our management.
Our founders. Our track records. Our publications.
Our supporters. Our endorsers.
Our financing partners. Our business partners.
Our media exposure. Our media material deposito
Global organizations that support us.

More than 30% of earth's land mass is desert.
Deserts can become a national asset. Just like oil.
By turning deserts fast into productive agriculture.
By using (and not fighting) the concepts of nature.
Delivering nations (in turnkey model) desert revenues.
Huge economic and monetary advantages for nations.

Creating productive/sustainable/bubbleless prosperity.
Productive capitalism (market wealth distribution).
Not financial capitalism (wealth concentration).
Open model: no patents on crops/models/technology.
Patents are just an imperial taxation of the Global West.
Students can do their promotion research on all facets.
Joint ventures with national/regional/local governments.
Capital free model for nations (just by two signatures).
Turnkey model for nations (just two signatures needed).
Delivering soil biodiversity (>30 species of grasses).
Delivering hedge row biodiversity (many crops/species).
Delivering nature biodiversity (animals/birds/fish).
Positive regional climate effects due water presence.
Improving life stock health: severe less diseases.
Reducing the price of quality food (approval ratings).

Facilitating nutrition diversity (better public health).
Delivering health by food (lowering cost of healthcare).
Preventing global rainforest destruction for soy/palm.

Feeding the world. Watering the world.
Employing the young generation in emerging nations.
Creating global stability. Ensuring regional peace.
Delivering national food security for nations.
Breaking the food DNA monopoly agenda of Monsanto.
Avoiding the Kissinger Doctrine (controlling nations).

National DoDs could be part of the management.
Ensuring no hostile/imperial/colonial influences.
Almost fully use of local employees (training included).
Empowering nations in the Global South and East.
No pushing of WB/IMF credit (out of instead of into debt).
Sharia compliant food commodity future contracts.
Supporting meat/dairy/food exports and export finance.
Reducing food imports. Delivering food exports.
Aquaculture also integrated: fish/waterweeds farming.
Less imports + more exports = better trade balance.
Less imports + more exports = better monetary health.
Family farms model, so not industrial farms focused.
Less need for chemicals and fertilizer (low costs).
Less need for water pumps and fuel (low costs).
DQE (Desert Quantitative Easing) delivers no inflation.

National/regional/local governmental contacts.
National DoD contacts. National Central Bank contacts.
Food brands contacts. Food futures contacts.

Guiding rain into the soil (cutting evaporation loss).
Attracting/tampering rain fall (rain without floods).
Preventing the arise of dust bowls / sand storms.
Delivering water supply to desert based cities.
Empowering local/regional/national economies.
Establishing road/rail/bridge infrastructures.

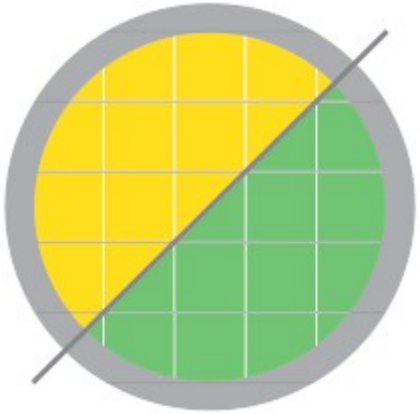
Our organization. Our offices. Our management.
Our founders. Our track records. Our publications.
Our supporters. Our endorsers.
Our financing partners. Our business partners.
Our media exposure. Our media material depository.
Global organizations that support us.

View some online 'desert greening' TED talks.
Getting involved. Stay in touch.

Method / design / sequence / management / finance.
Success is just the right combination of those five.

Desert Food
Desert Water
Desert Energy
Desert Infra

Desert Advice
Desert Finance
Desert University
Desert Diplomacy



desertcorp

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DesertCorp
www.desertcorp.com

Let’s do it. In any nation with deserts.

Turning Deserts Into Productive Economic Areas

(Food - Water - Energy - Infra)

It’s worth doing it !