

Permaculture as a Space Design Science.

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Vertical farms are the beating heart of local living economies. They can provide food production, processing, distribution storage and reclamation. They can process waste to make clean energy and like a termite mound use vertical structures to provide commerce, culture and housing in one elegant work of art.

Permaculture as a design science scales equally to a single cabin all the way up to an enlightened planetary civilization living together in different rooms in the same small house

NOW is our time to act to ensure in a decades time the ONLY place one will be able to find poverty, hunger and homelessness is next to the dinosaur economy- in a history book.

Right now we should be organizing virtual guides and trade unions to train people who can get online to study permaculture design, engineering, finance, construction to kick start the new economy. We need programmers and drone operators to bring humanitarian aid with shelter and devices that pull water from the air such as these panblt.com.

The way forward is to follow the wisdom of indigenous cultures across time and learn to work with nature. To define our quality of life metrics over the quantity of existence measured in GDP.

Permaculture is the design science that allows us to achieve grassroots social change that provides the political will needed to pass policies that support a global economy of peaceful exploration and an end to warmonger exploitation

Beyond being essential for all life, food is also the foundation of civilizations, human and otherwise, since the dawn of time. Those seeking power and influence have always known an army marches on its stomach and the greatest empire can be brought to its knees over a single grain of rice.

The issue of food security, simply defined as the measure by which an individual has access to food is now our daily bread. In an age when your grocery store clerk is being celebrated like a soldier on the frontline of a global war, what does that make the farmer? What about the chef, the truck driver and the dishwasher? In the context of food, the focus becomes how to achieve food sovereignty

which means the measure by which an individual has access to healthy and wholesome food and not an abandoned delivery truck full of Hostess Twinkies.

Securing those assets are just as important as having good seeds. Micro-farms, formally known as gardens, are the key to individual prosperity and the foundation of trade in this new economy. Not everyone can grow but then again not everyone can wire a house, fix a tractor, or handle the logistics of supply chain management.

Beyond the nutritional value of food, India also has great cultural value and this significance is the key to how we can use food to free the planet from our economic addiction. To free our bodies, minds and spirits so we can be part of the healing Mother Nature has already begun in our brief absence in the world. Food is critical to connecting us with each other and the planet and this is the most profitable investment any generation can make in the future of humanity.

Clean food is best paired with clean energy, clean water and a means of production that is democratic, collaborative and in all way's possible nurtures the Planet and her people. To be successful means building up a new economic foundation ingrained with the principles of permaculture, also known as the rules of the garden. Measuring profit and loss by the sum impacts our actions have so we can direct our creative energy into being our best selves and good stewards for those who will come after us.

A mixed-use commercial development project housed in a controlled environment that can be scaled to meet the needs of 50 or 50 million. A sustainable complex that takes energy from the sun and provides power to growth, processing, and the means of distribution. On the smaller side these can process waste and provide clean water and on the larger side these structures can provide jobs and transitional housing along with commercial space to lease to help cover costs. The people who have historically been providing the cash for these enterprises are those interested in aerospace.

As an economic primer, aerospace can create jobs for remote workers and the function of a space station is to sustain regular access to food,



among other essentials like clean air, water and affordable housing. In the short-term a garden may feed you but to get serious, in 2020s, for your kids to eat will require investing in vertical farms and domed cities.

From one small grain of thought on how to grow more food we have come full circle and set the stars as the endgame for how humanity grows beyond rampant consumption and recovers from Covid-19. Permaculture use permaculture as the economic primer for Terraforming Spaceship Earth. Climate action, social justice, environmental healing all wrapped in an economic development plan that draws on multiple sources of revenue to grow in communities large and small, local living economies