

# 5 STEPS...TO SAVE THE WORLD

Module: The Cybernetic Garden  
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# Is there a problem?

- There is an existing ecological problem related to economic and population growth
- The problem is caused mainly due to the limited resources, water and limited land against the demanding needs of people as well to the uncontrollable population growth
- Consumption increases along with million of people joining the ranks of the middle class
- The result is pollution and low quality of life, as well as countries that lack basic goods

# Overpopulation

- 7 billion of people
- The population doubled within the last 40 yrs
- In 2050 will be 10 billion
- Our planet can support only 5 billion people
- Currently we are consuming commodities and natural resources of 1.5 Earths
- In 2050 we will consume the equivalent of six Earths

■ City with at least 1,000,000 inhabitants in 2008

A world map with a light gray background. Numerous small red squares are scattered across the map, representing the locations of cities with at least 1,000,000 inhabitants in 2008. The squares are most densely clustered in East Asia, South Asia, and Europe, with fewer squares in Africa, South America, and Australia.

# Resources

- We are overbudget in our use of nature
- The more developed countries use 5-50 times the resources of the poor
- Impoverished people are usually forced to destroy their environment in order to survive
- There is a problem of ownership and distribution of resources
- The use of resources by big companies is driven by the need to sustain in the market, producing goods with a questionable usability

"If you grow an economy or a system up against its limits, then it stops growing and either changes form or breaks down".

(Paul Griding, "The Great Disruption: Why the climate crisis will bring on the end of shopping and the birth of a new world")

# We need to change form...

- This can be achieved through a strategy
- A combination of early changes in behavior, policy and technology
- By linking the world economy with the environment (this was the main concept of the World3 model presented in the Club of Rome's report "The Limits to Growth")

# Strategy

- The strategy will be applied to five sectors and could only work if there is interaction
- The challenge is to solve issues in multiple sectors concurrently
- A basic strategic goal is to change people's behavior and this is expected to have an effect on the market and then to the environment
- This is because the main problem is of economical aspect

# 5 Sectors of importance

1. Education
2. Birth rates
3. Food habits
4. Consumption (resources)
5. Recyclable energy resources



# 1. Invest in Education

- Countries should invest in informing young people on issues concerning environment sustainability and teach them ways they can work towards this direction
- High level of education is related to ecological consciousness
- Schools are places where young people could also be informed about contraception
- Try to promote the idea of ecology through practices within the educational environment. Apart from practices, it is important to inspire young people of imagining their lives with respect to all kind of goods, making them responsible for future life too

## 2. .Control birth rates

- Control birth rates through information about contraception
- Policy making through campaign and regulations too
- Help from consultants about right family-planning



# 3. Vegetarian Food



- Ecological reason (high quantities of deadly pesticides in meat)



- Natural resources argument against meat-eating (world's natural resources -water, vegetation, forests- are being rapidly depleted as a result of meat-eating )

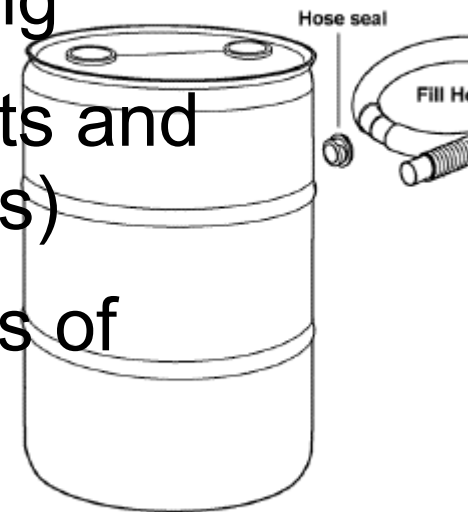


- A vegetable orientated production will also result in saving energy resources.



# 4. Reduce consumption

- Systematic reductions to our dependence on resources (self-awareness and discipline)
- Reduce consumption on fuels, electricity, water and products (goods)
- Regulations controlling consumption
- Promote public transportation and car-pooling
- Promote distribution of second-hand products and recycling (avoid the reckless use of materials)
- Replace flights with more eco-friendly means of transportation



# 5. Renewable energy sources

- Promote investments on the development of alternative energy sources units (biomass energy, geothermal, solar, wave etc.)
- Provide even private users with motivations to turn to autonomous ways of energy adequacy (solar plates)
- Governments to cooperate with industries for the research and development of devices and infrastructure that will be relevant to direct renewable energy resources benefits

