

# DESIGN Culture of change

PRACTICAL METHODS FOR DESIGNING *or creating a* BALANCED (sustainable) HUMAN ENVIRONMENT AND LIFE IN ABUNDANCE.

1. TYPES OF ORGANIC FARMING METHODS
2. PERMACULTURE (in few words)
3. PERMACULTURE PRINCIPLES

HARMONY WITH NATURE IS POSSIBLE ONLY IF WE **LEAVE THE IDEA OF SUPERIORITY** OVER NATURE.



# TYPES OF FARMING

## 1. AGROECOLOGY

System that looks to natural ecosystems and ecological principles to inform its agricultural practice and feeds the soil to feed the plant. (improving soil structure, ground cover, renewable energy, nitrogen fixation, biodiversity, empower local people – small scale food growers)

## 2. BIODYNAMIC

This system is a combination of biological practices including organic farming techniques that improve soil health, and dynamic practices with the use of anthroposophy (metaphysical aspects). It follows lunar phases for empowering plants and soil. LUNAR CALENDAR (Rudolph Steiner)

## 3. PERMACULTURE

This system is working with nature. It is the harmonious integration of landscape and people (*providing their food, energy, shelter, and other material and non-material needs*) in a sustainable way. (Bill Mollison)

# TYPES OF FARMING

## **4. NATURAL FARMING – do nothing (shizen noho)**

System is based on the recognition of the complexity of living organisms that shape an ecosystem and deliberately exploiting it. No need for plowing the field, no chemicals, no pruning of fruit trees, seed balls, crop rotation. (Masanobu Fukuoka)

## **5. NO-TILL**

Avoiding tilling and disturbance of the soil. Cover crop is planted before next crop. Diversity of crops and rotation.

## **6. CROP ROTATION**

is the practice of growing a series of different crops on the same land in successive seasons. It is a type of polyculture. The land is divided into 3, 4 or more sections, and different types of crops rotated each year to confuse pests and renew soil. (Nitrogen fixation)

# TYPES OF FARMING

## **7. AGROFORESTRY**

Cultivating trees and agricultural crops in combination with one another. Emphasis is placed on perennial, multi-purpose crops that are planted once and yield benefits over a long period of time. (alley cropping, silvo-pastoral ecosystem).

## **8. REGENERATIVE AGRICULTURE**

Is a system for building soil health. Cover crops, mulching, composting, crop rotation, no-till, green manure, alley cropping, biodiversity....(Rodale –USA)

## **9. RESTORATION AGRICULTURE**

Sustainably grow perennial food crops, for our food, oil, fuel, buildings and many more. Stop the erosion improve the quality of environment. (Mark Shepard).

# (PERMA)CULTURE IS

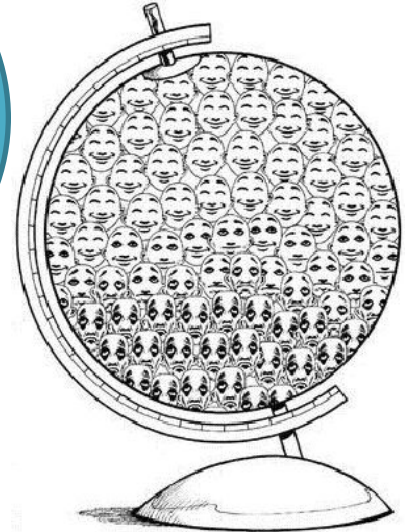
- **Design technique** was created as a **combination of old / traditional techniques enriched with modern knowledge and technology** from a different sciences and human activities such as architecture, construction, agriculture and forestry, chemistry, biology, sociology, urbanism, ecology, economics, energy, water and waste management and many more.
- By applying these knowledge **we can design the elements we manage** in our surrounding and in this way we can create a balanced and sustainable environment.
- **a tool** for designing a **sustainable system**

# PERMACULTURE ETHICS PRINCIPLES



**ENVIRONMENTALLY  
RESPONSIBLE**

**CARE  
OF THE  
EARTH**



**SOCIALLY JUST**

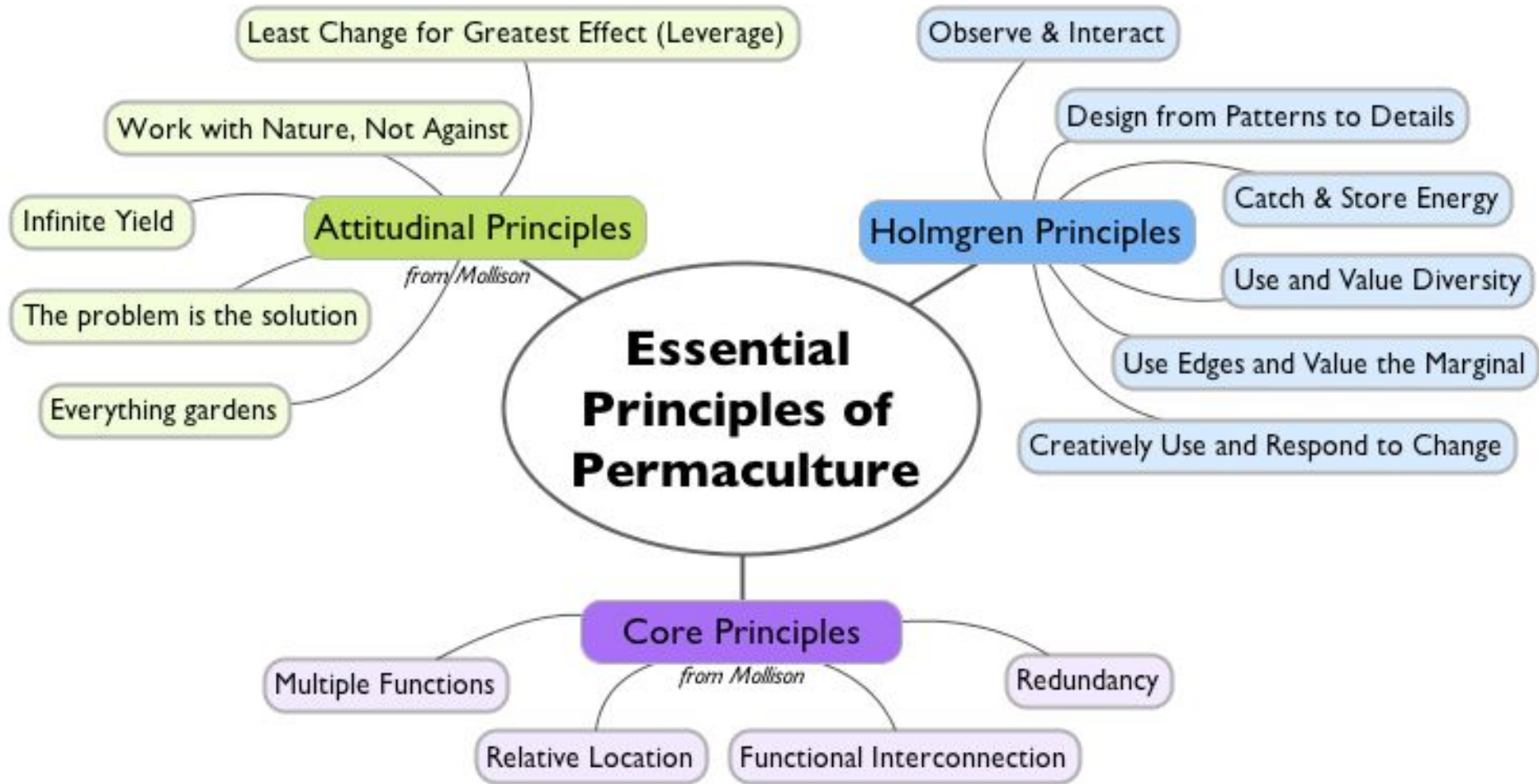
**CARE  
OF  
PEOPLE**

**RETURN  
OF  
SURPLUS  
TO  
EARTH  
AND TO  
PEOPLE**

**FAIR SHARE  
ECONOMICALLY  
VIABLE**

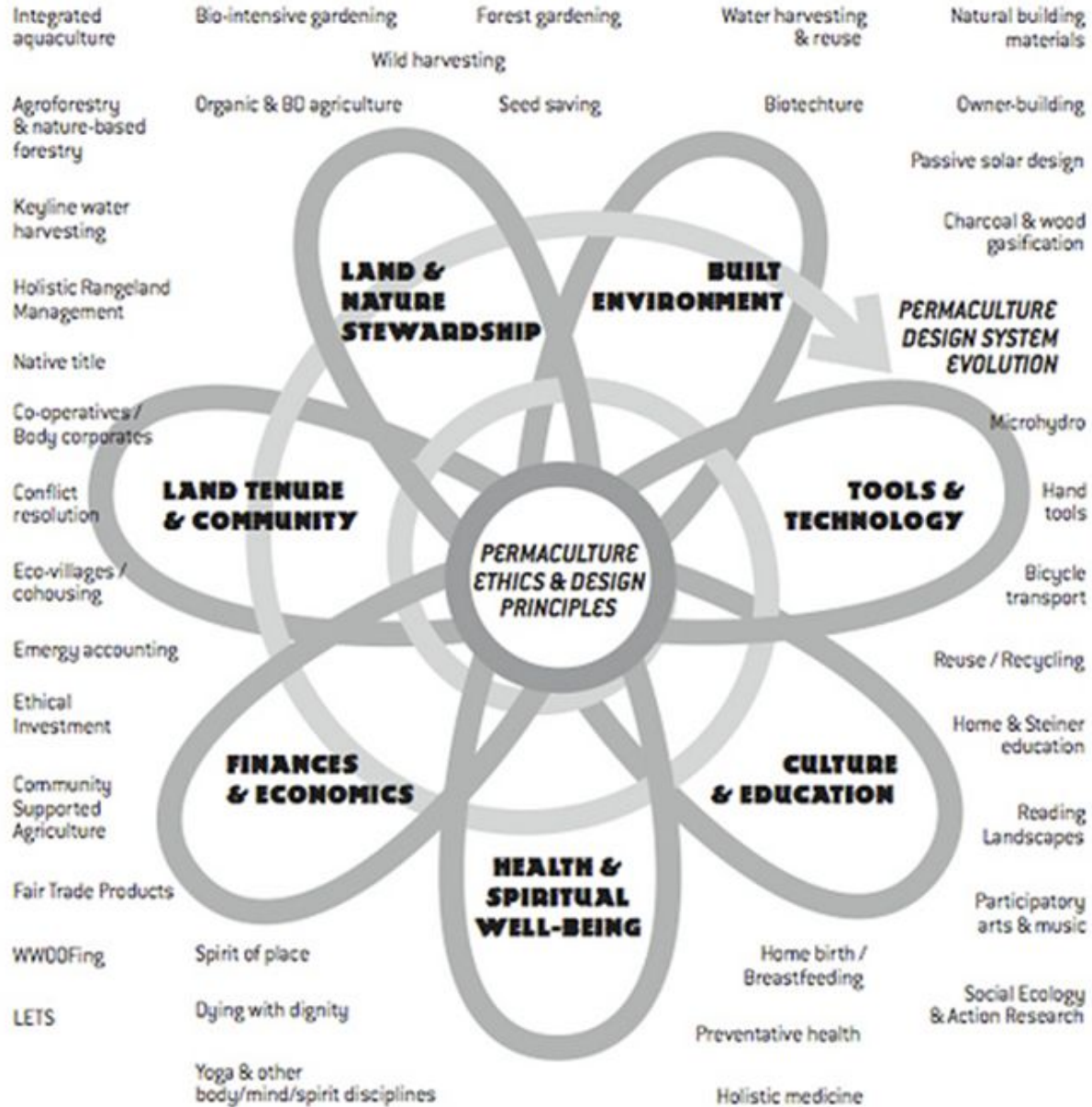


# PERMACULTURE PRINCIPLES





# PERMACULTURE





PERMACULTRE...THANK YOU <3

