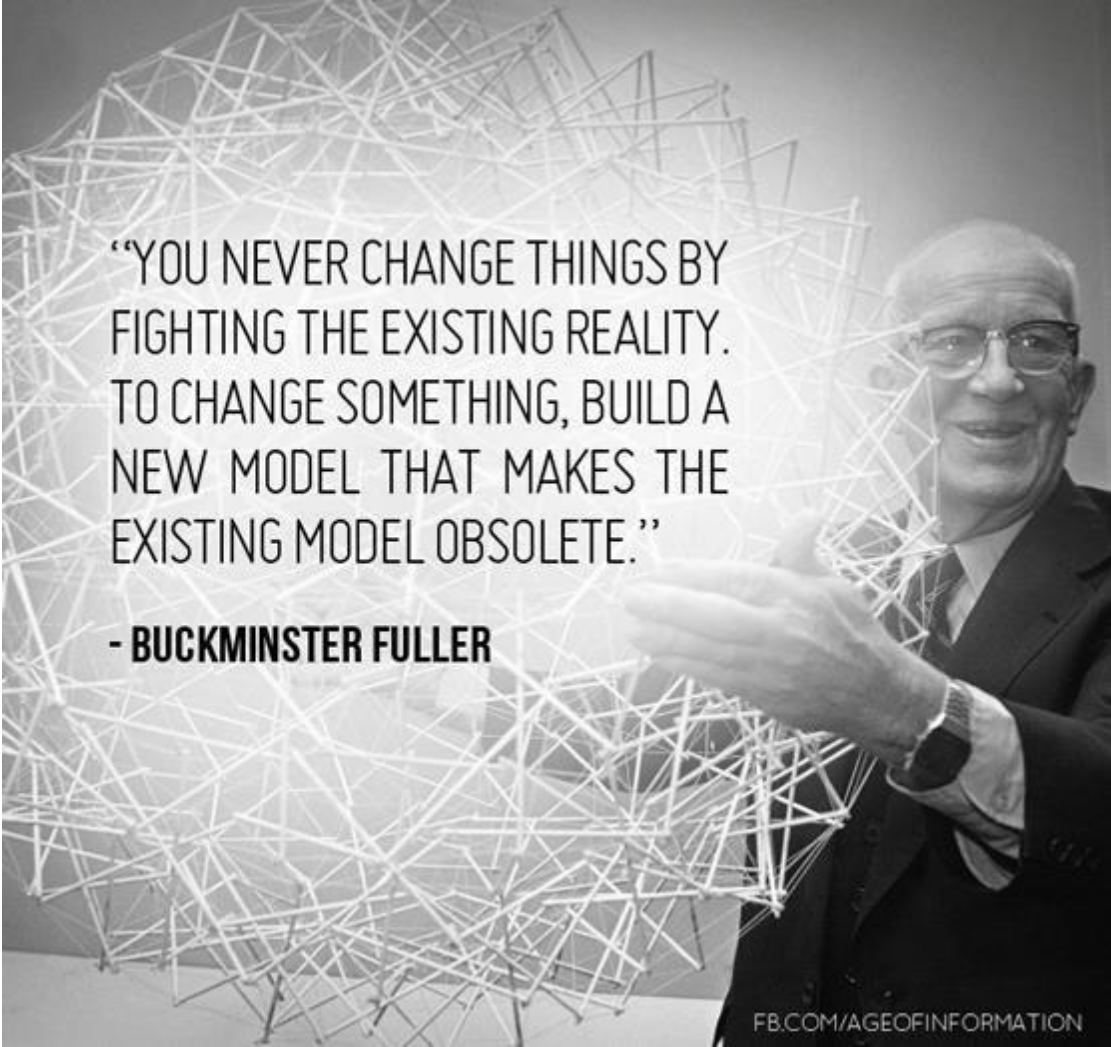




ecosystems

Pyramids of nature

A black and white photograph of Buckminster Fuller, an older man with glasses, wearing a suit and tie. He is standing next to a large, complex geodesic dome structure made of many thin rods. He is gesturing with his right hand towards the dome. The text is overlaid on the left side of the image.

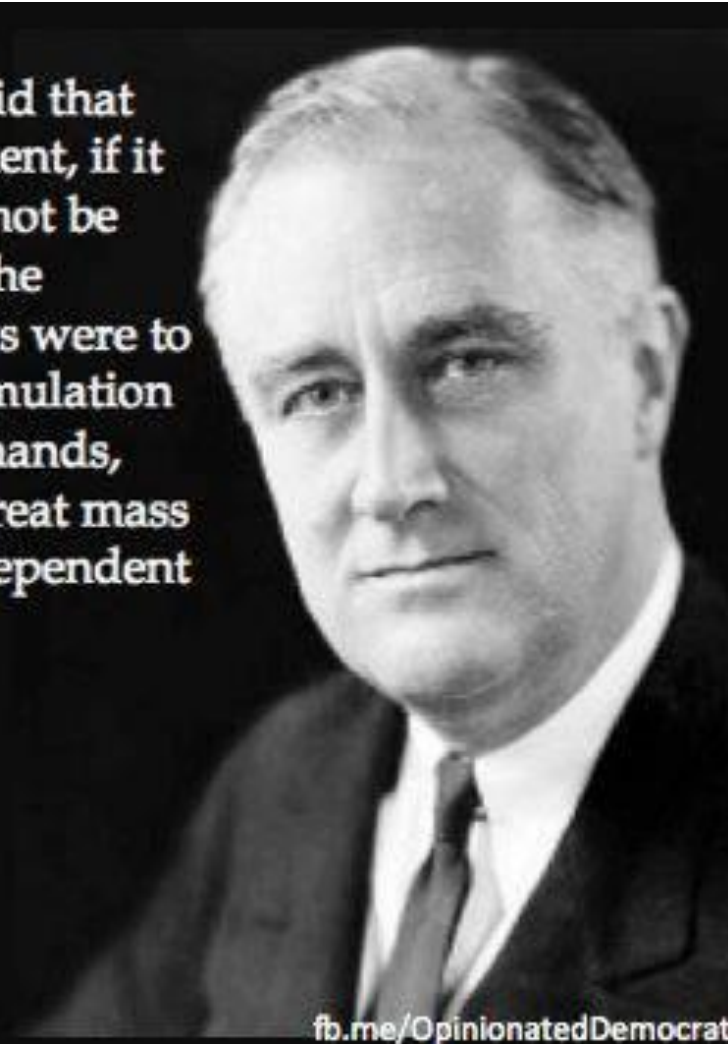
“YOU NEVER CHANGE THINGS BY  
FIGHTING THE EXISTING REALITY.  
TO CHANGE SOMETHING, BUILD A  
NEW MODEL THAT MAKES THE  
EXISTING MODEL OBSOLETE.”

- **BUCKMINSTER FULLER**

[FB.COM/AGEOFINFORMATION](https://www.facebook.com/AGEOFINFORMATION)

"It has been well said that  
"the freest government, if it  
could exist, would not be  
long acceptable, if the  
tendency of the laws were to  
create a rapid accumulation  
of property in few hands,  
and to render the great mass  
of the population dependent  
and penniless.""

-FDR *(April 29, 1938)*



[fb.me/OpinionatedDemocrat](https://fb.me/OpinionatedDemocrat)

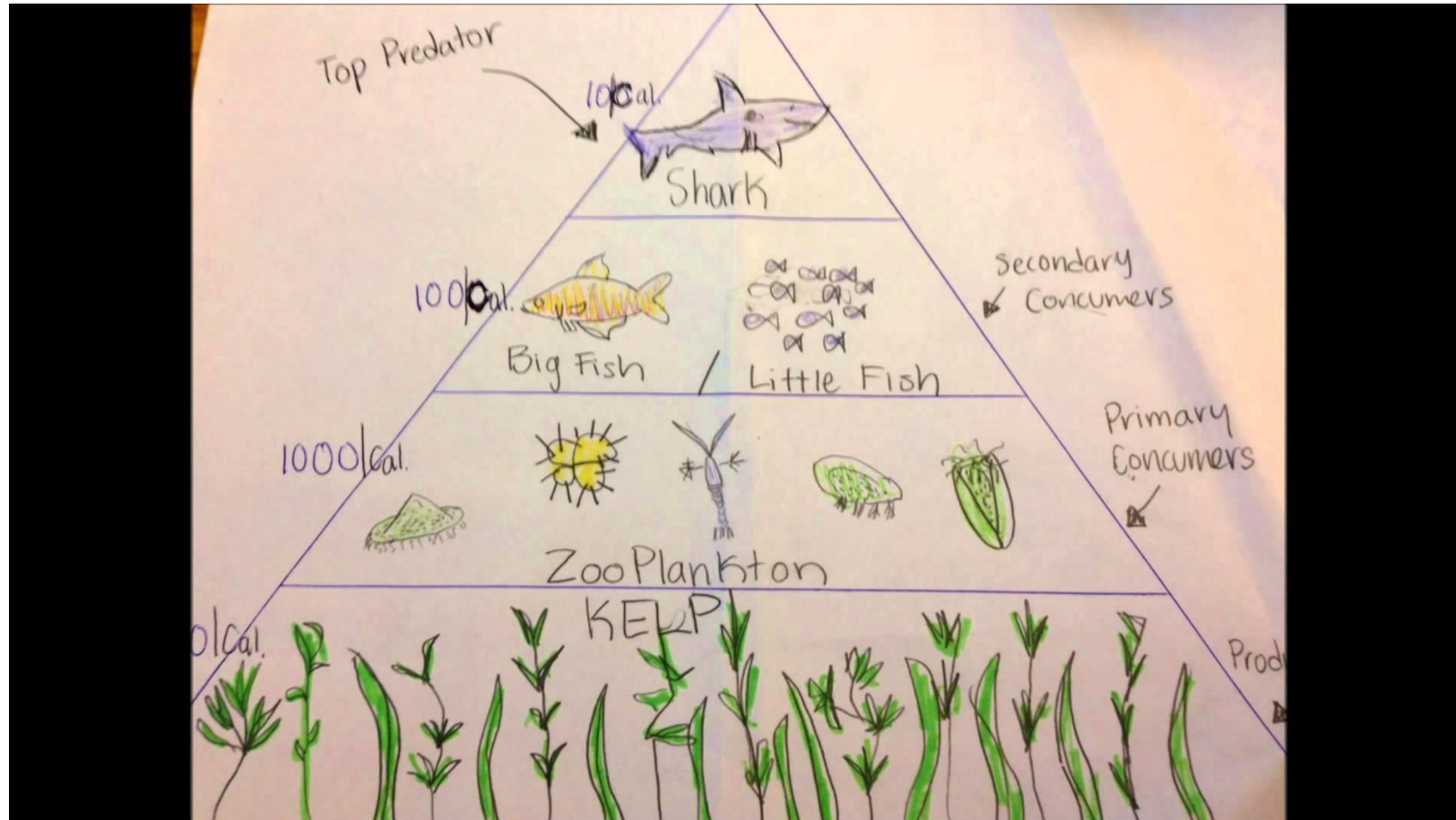


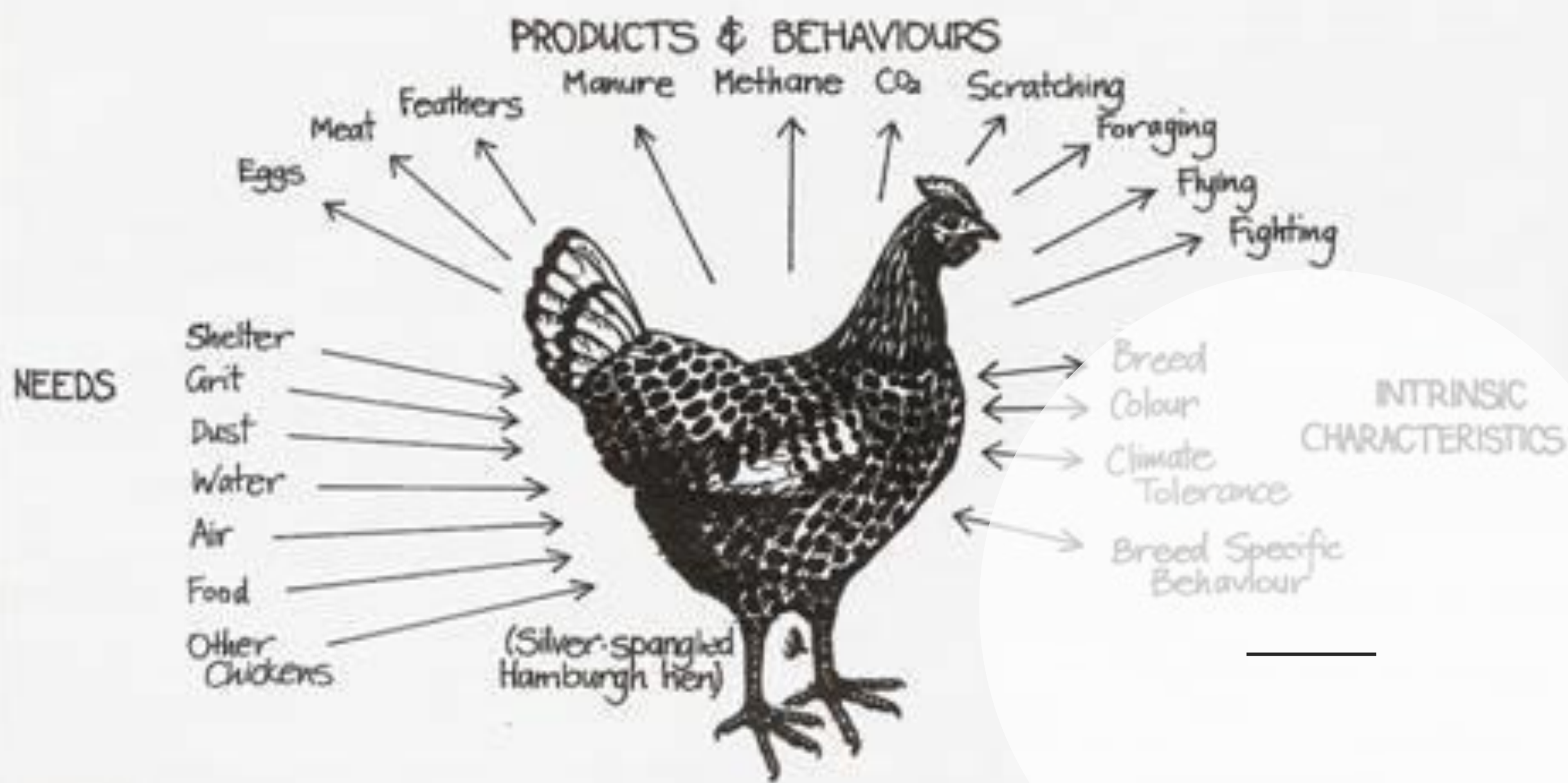
## Ecological Pyramids

### Pyramid of Numbers:

Shows the relative number of individual organisms at each trophic level.







**FIGURE 3.1**

### PRODUCTS AND BEHAVIOURS OF A HEN.

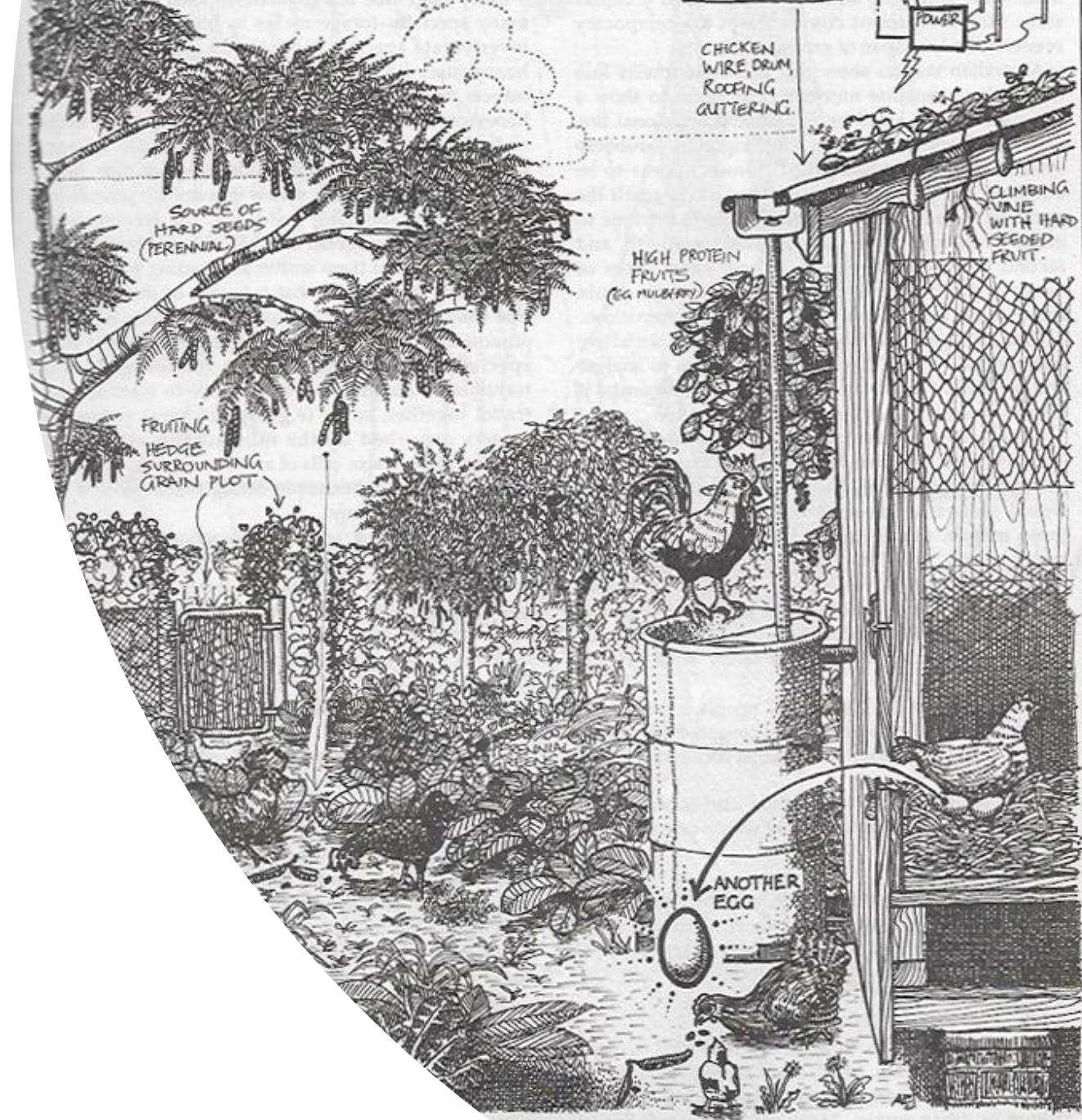
Analysis of these inputs and outputs are critical to self-governing

design. A deficit in inputs creates work, whereas a deficit in output



# A Chicken system

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One of the teachers (patrons) with permaculture club kids excavating nutritious soils to be mixed with biochar for planting trees in front of the school compound.


The kids are so passionate about the project.



## Permaculture @ Nyero School, Uganda

Permaculture in Practice at Nyero School.  
With 35 farmers, 60 primary school children 13 teachers, 16 NGO field staff.  
We opened a school permaculture garden where we are planting banana circles and intend to have a food forest for the school. kids are also planting trees all around the school compound. We dug swales, made biochar and planted shade trees as part of a new school food forest.



An aerial photograph of a dry, brown landscape with rows of small, dark, circular pits dug into the soil, illustrating the Zai agricultural technique. The pits are arranged in a grid-like pattern across the field.

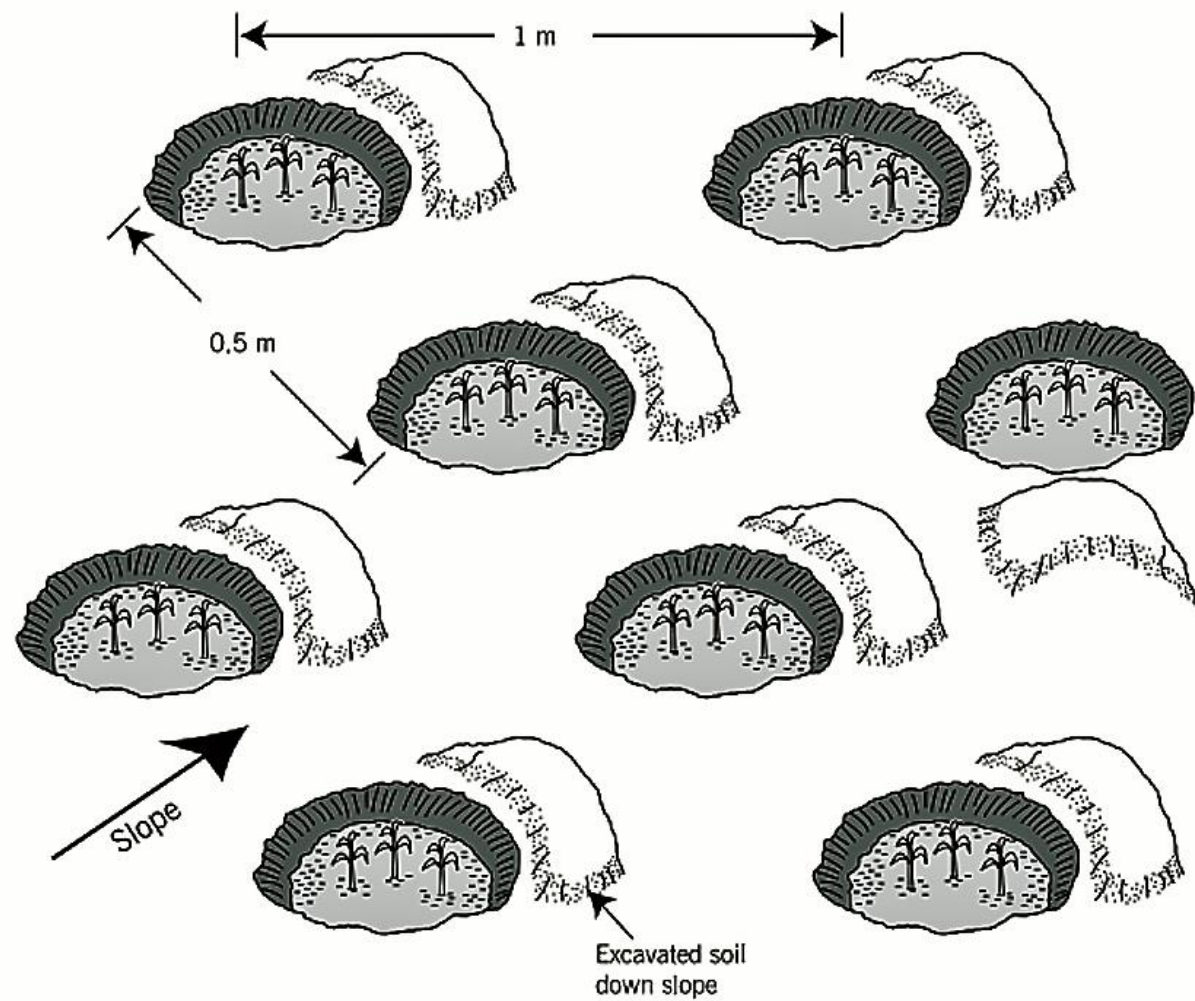
Zai, aims to  
kick start a new  
system

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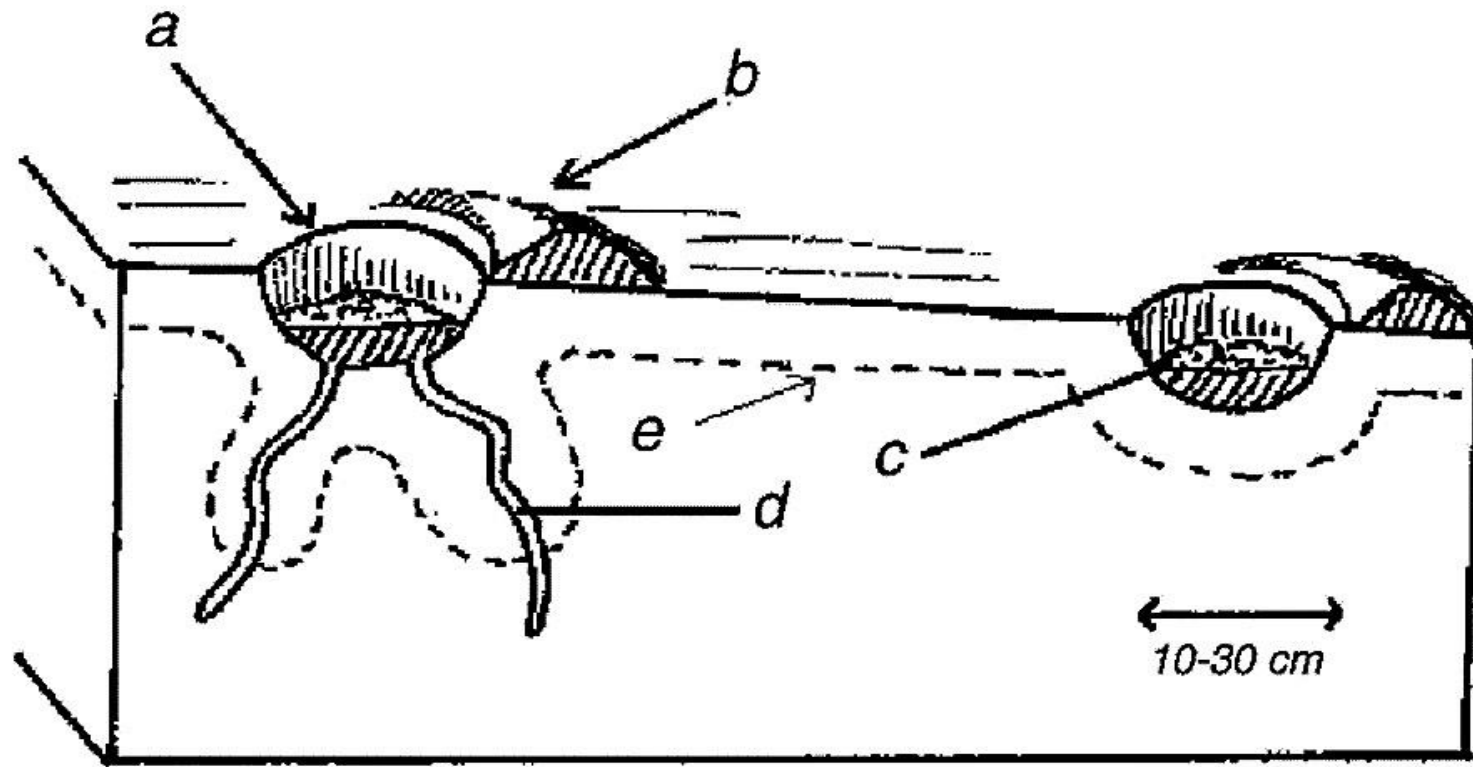
Yacuba Sawadogo











- a: planting pit*
- b: earth ridge*
- c: manure in the pit*
- d: termite tunnels*
- e: soil moisture profile*

# The foot of a mosquito

