

Solar Algal/Bacterial Stimulants for Highest Intensive Organic Food Production



**EARTH
OCEAN FOOD SYSTEMS**
— ETHOS —

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**Algal/Bacterial/Microbial
Aquaculture**

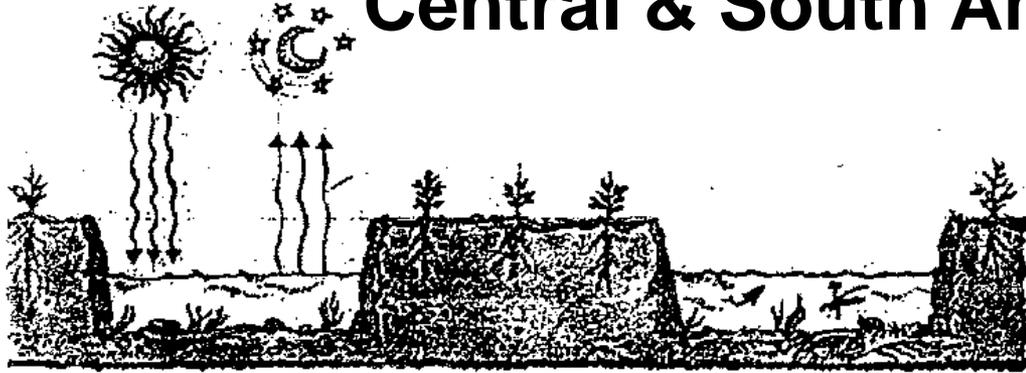


**Highest Production Intensive
Organic Agriculture**

An Ancient Wisdom...

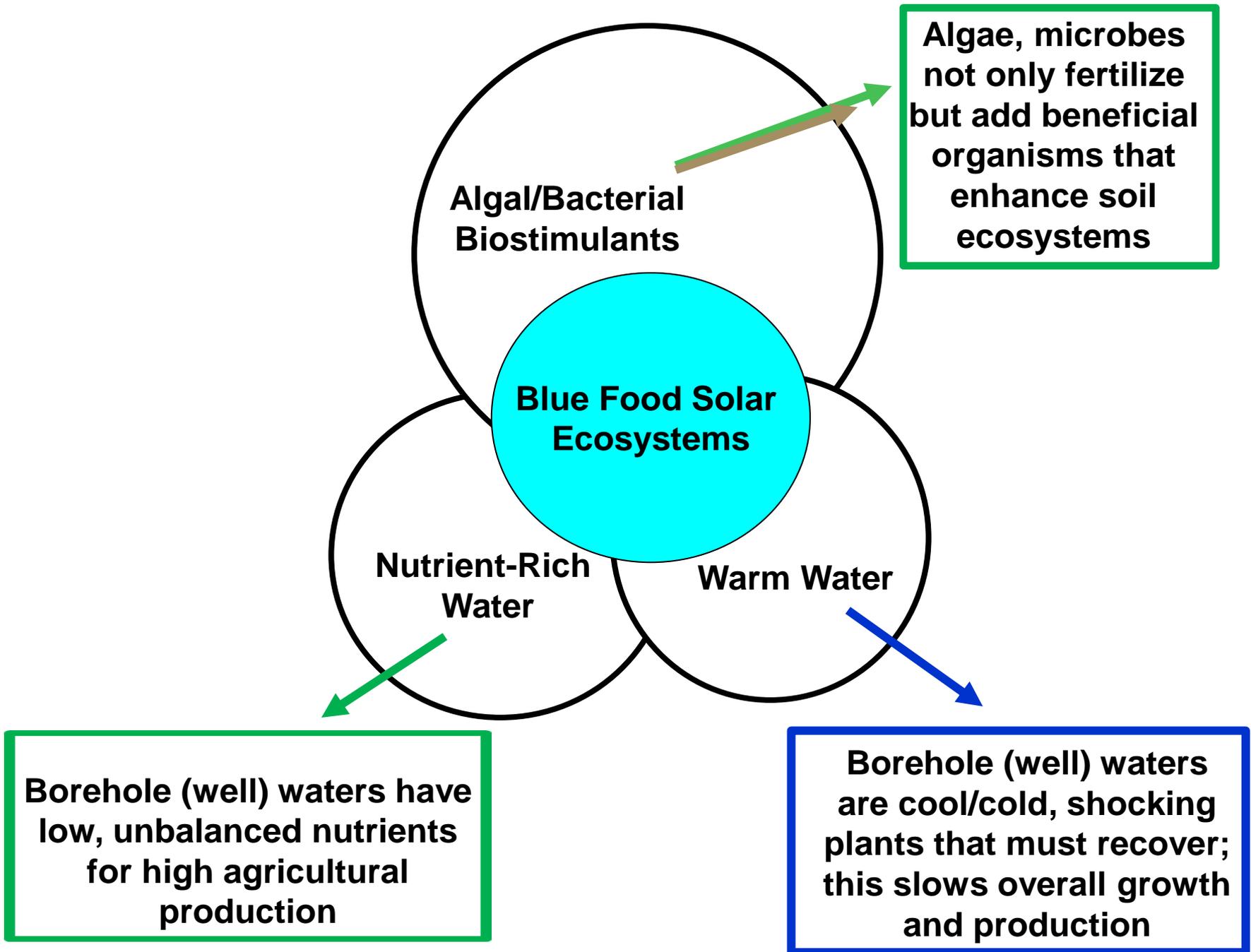
Chinampas

Central & South America



China





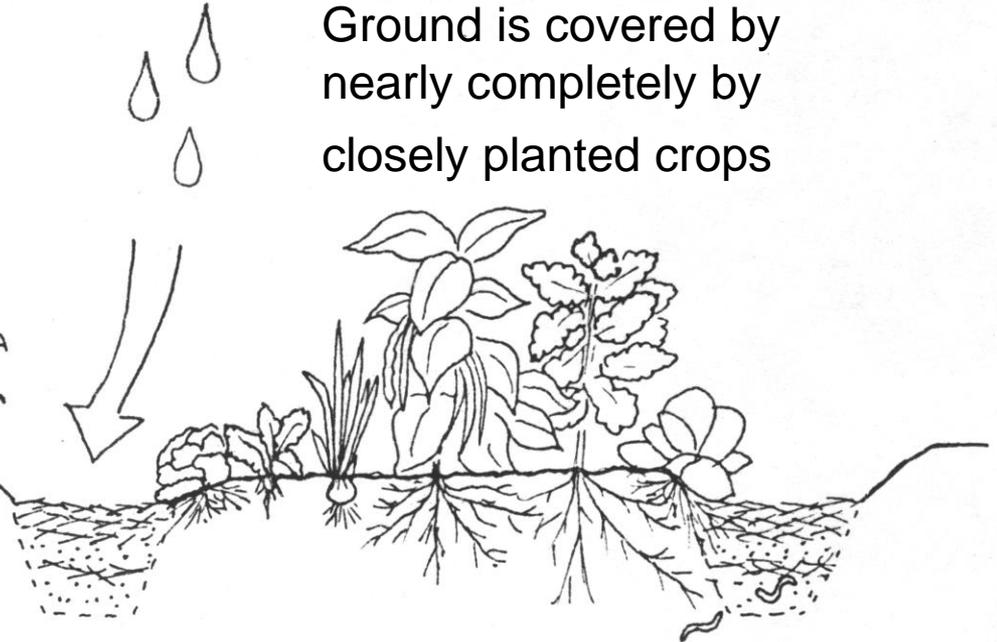


Algal/microbial flocs grown in solar tanks that not only fertilize but add beneficial algae and microbes to soil flora



Pathways for walking and sheet composting

Intensive raised beds of food crops intercropped



Ground is covered by nearly completely by closely planted crops

Plants use water, nutrients and soil incorporates new organisms

Fish are selected not for food but for their ability to (1) eat algal/microbial/bacterial flocs and keep them in a high growth state and (2) keep flocs suspended/floating to the surface to be harvested.

Fish are fed carbon-rich particulate farm wastes only.

Fish must have an outstanding tolerance to low oxygen.

Fish are sacrificed humanely and made into fish fertilizer mixes.

Goldfish (*Carassius auratus*) are a perfect fit for this situation



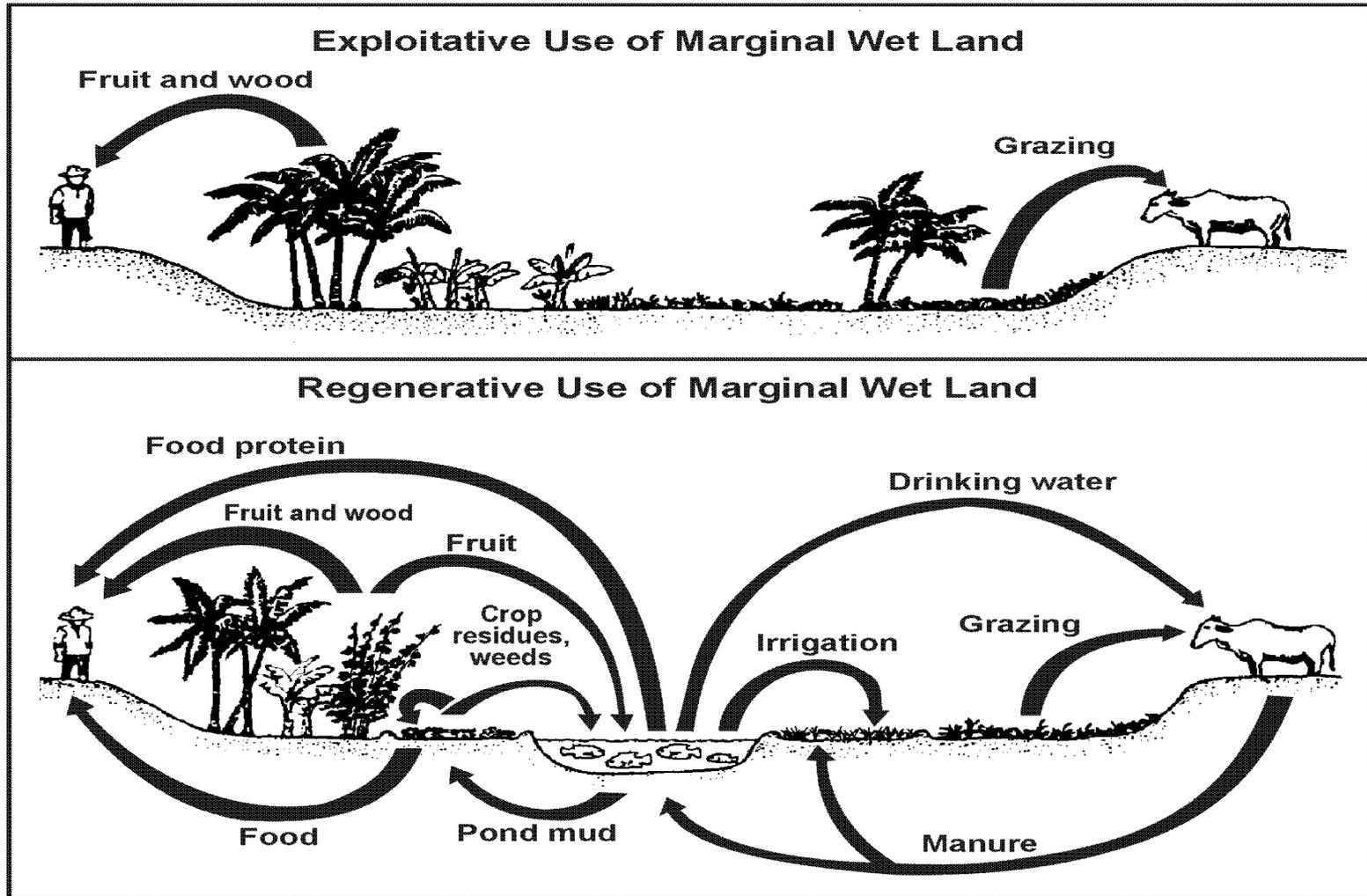








Applicable Worldwide



From: The International Center for Living Aquatic Resources Management (ICLARM)

Malawi, East Africa



Vietnam, SE Asia





**Warm Water, Nutrients,
Microbes**

Feeds, Fertilizers

References

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