From Wild to Tame - and Back Again

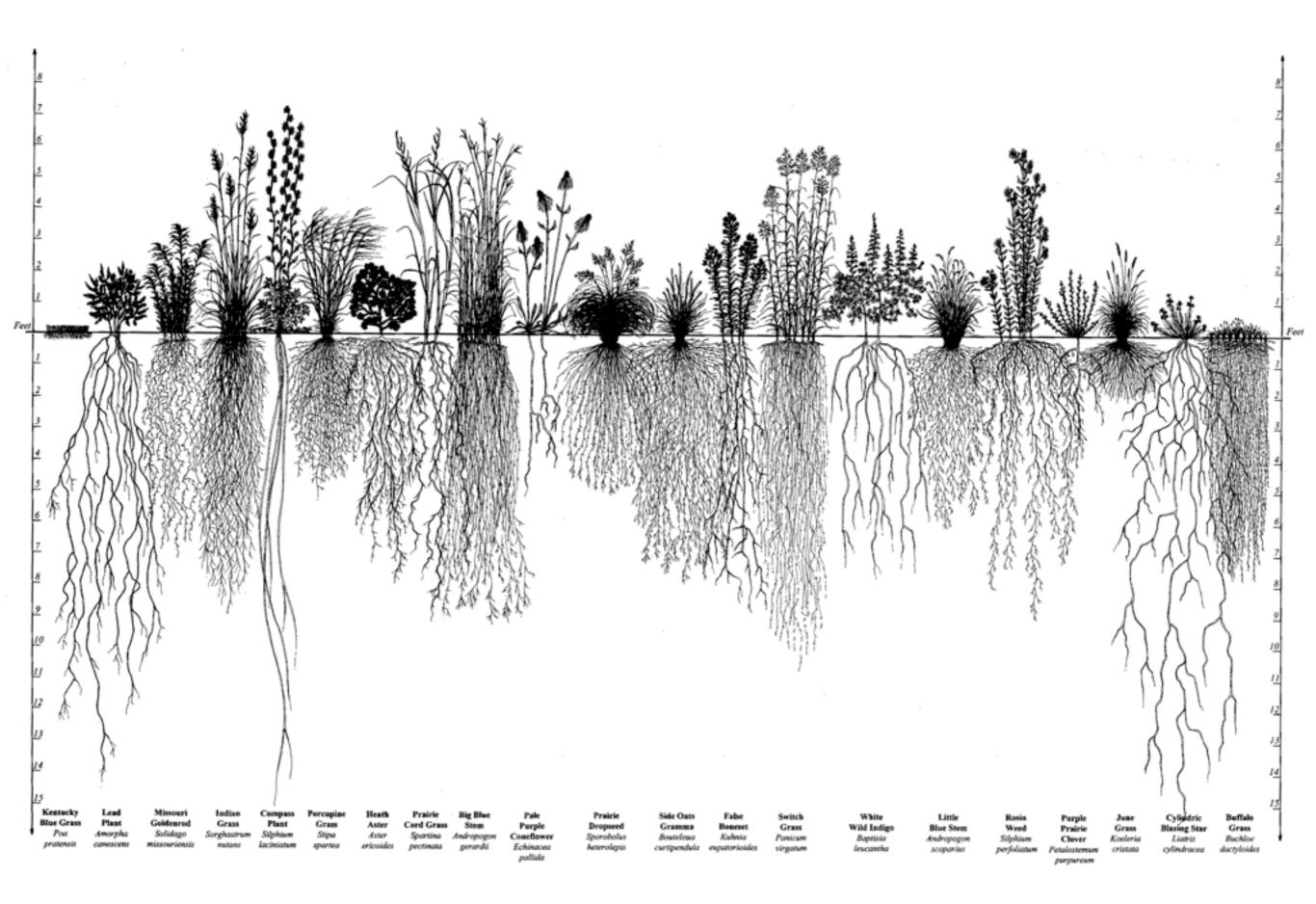
Tor Nørretranders

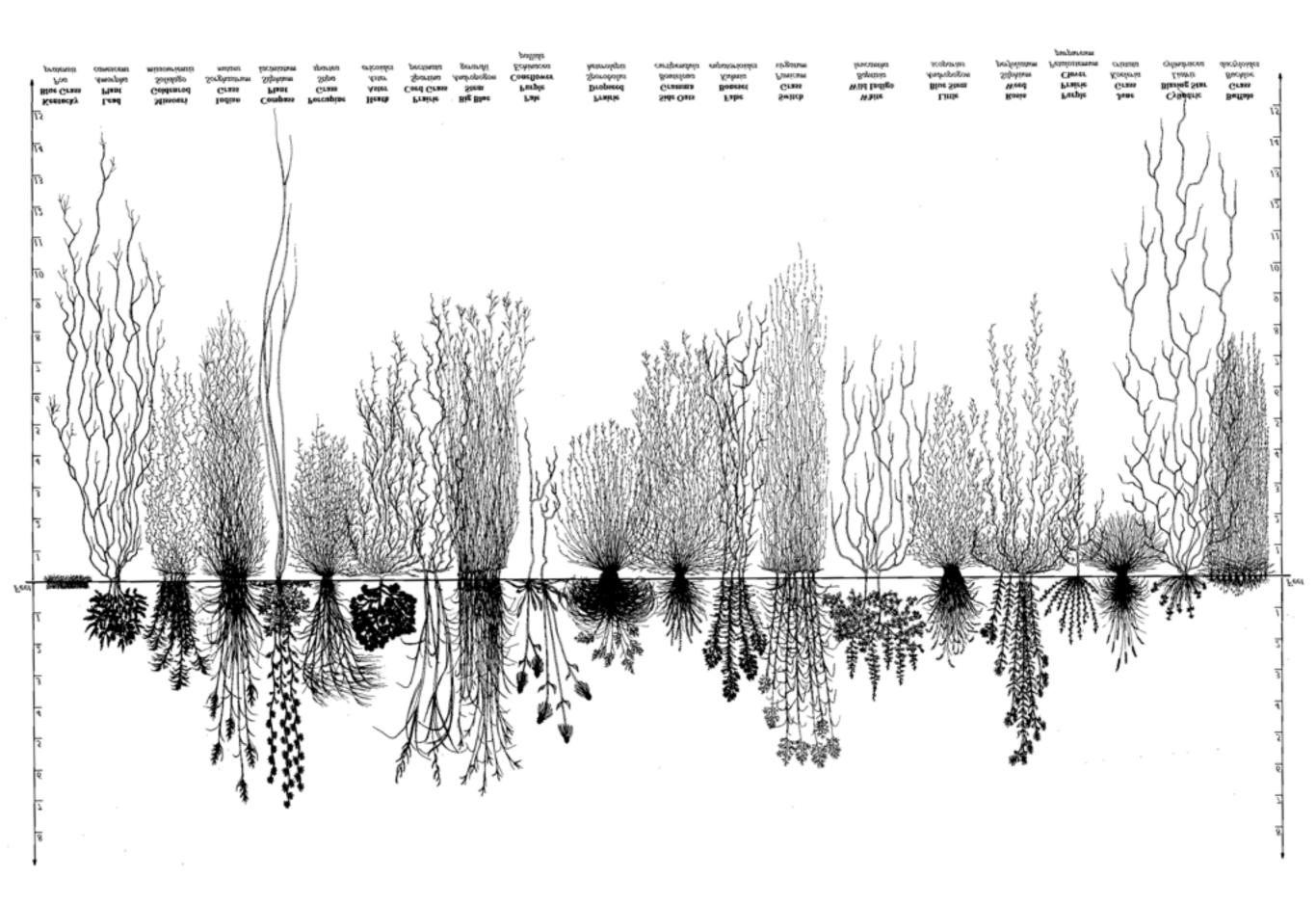
MAD Foodcamp Symposium Refshaleøen, København

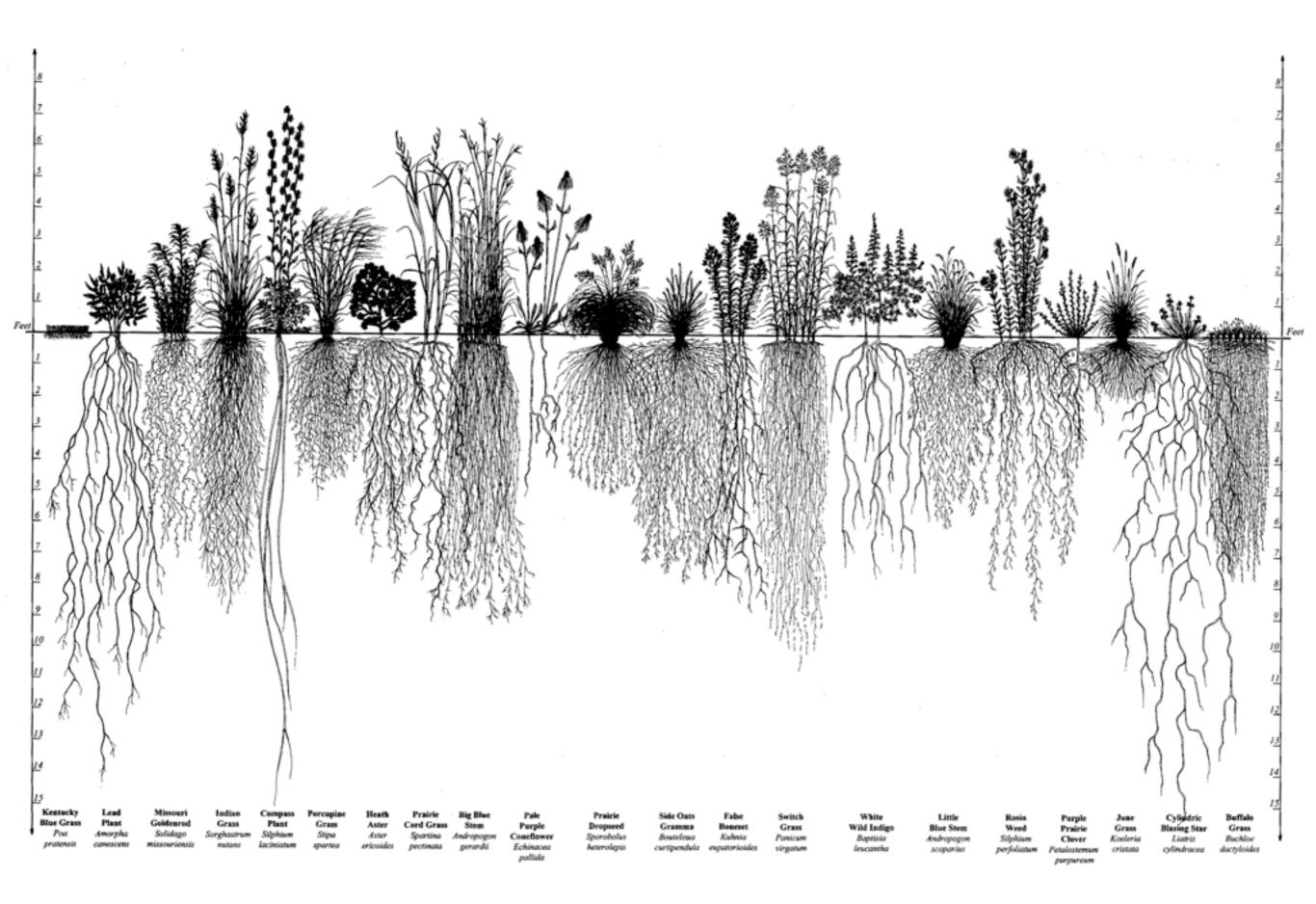
August 27, 2011

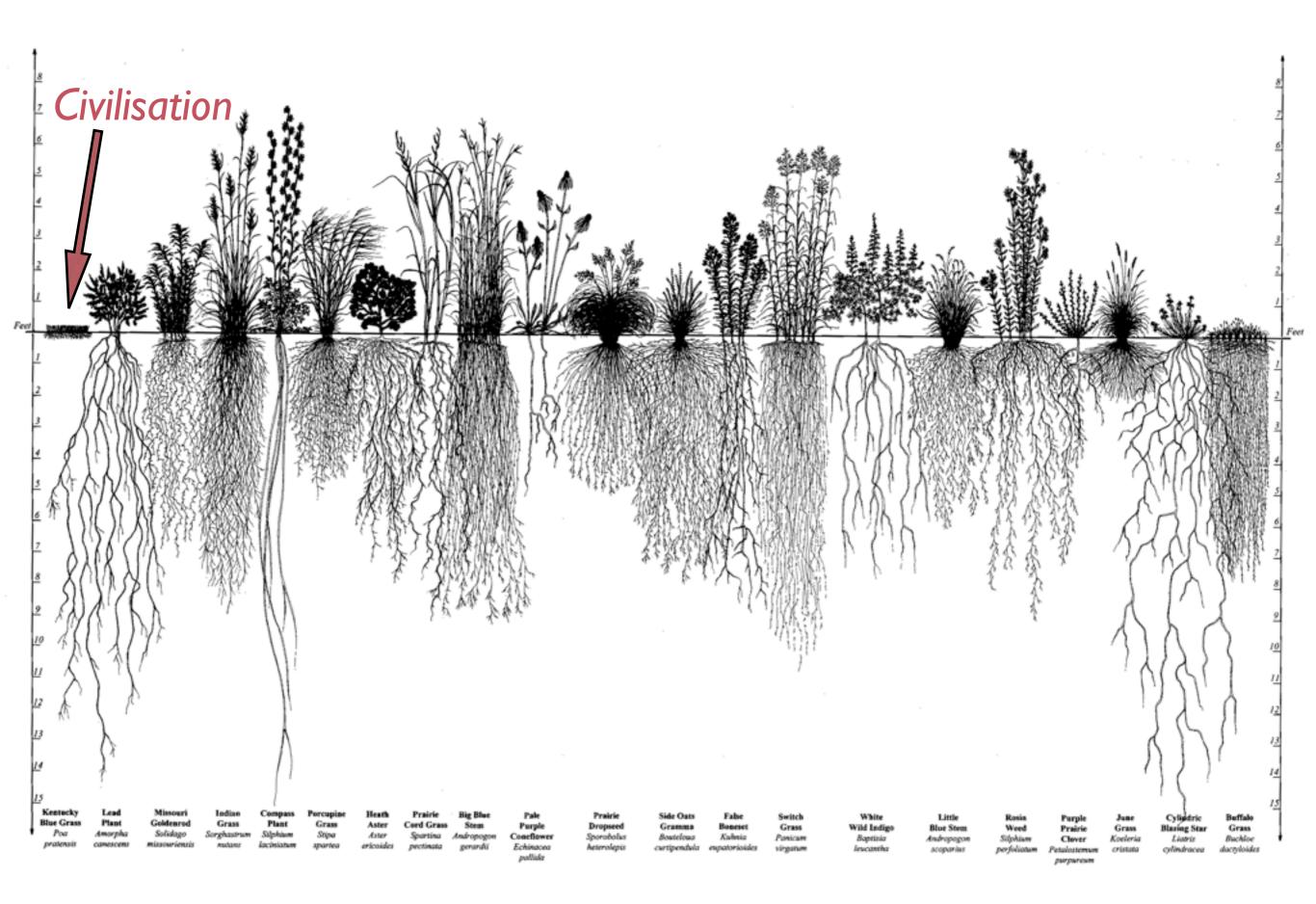
First

Vegetation

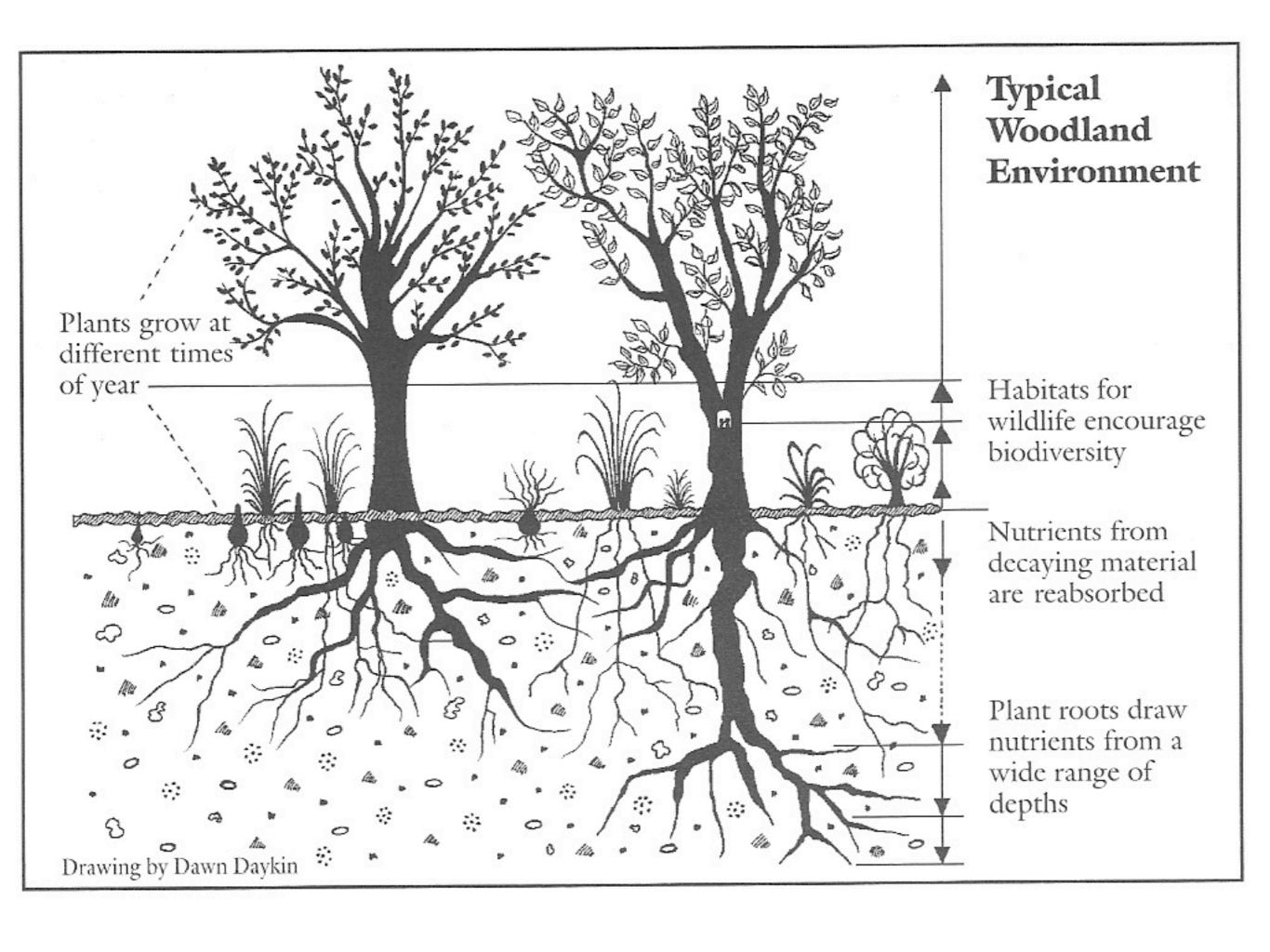


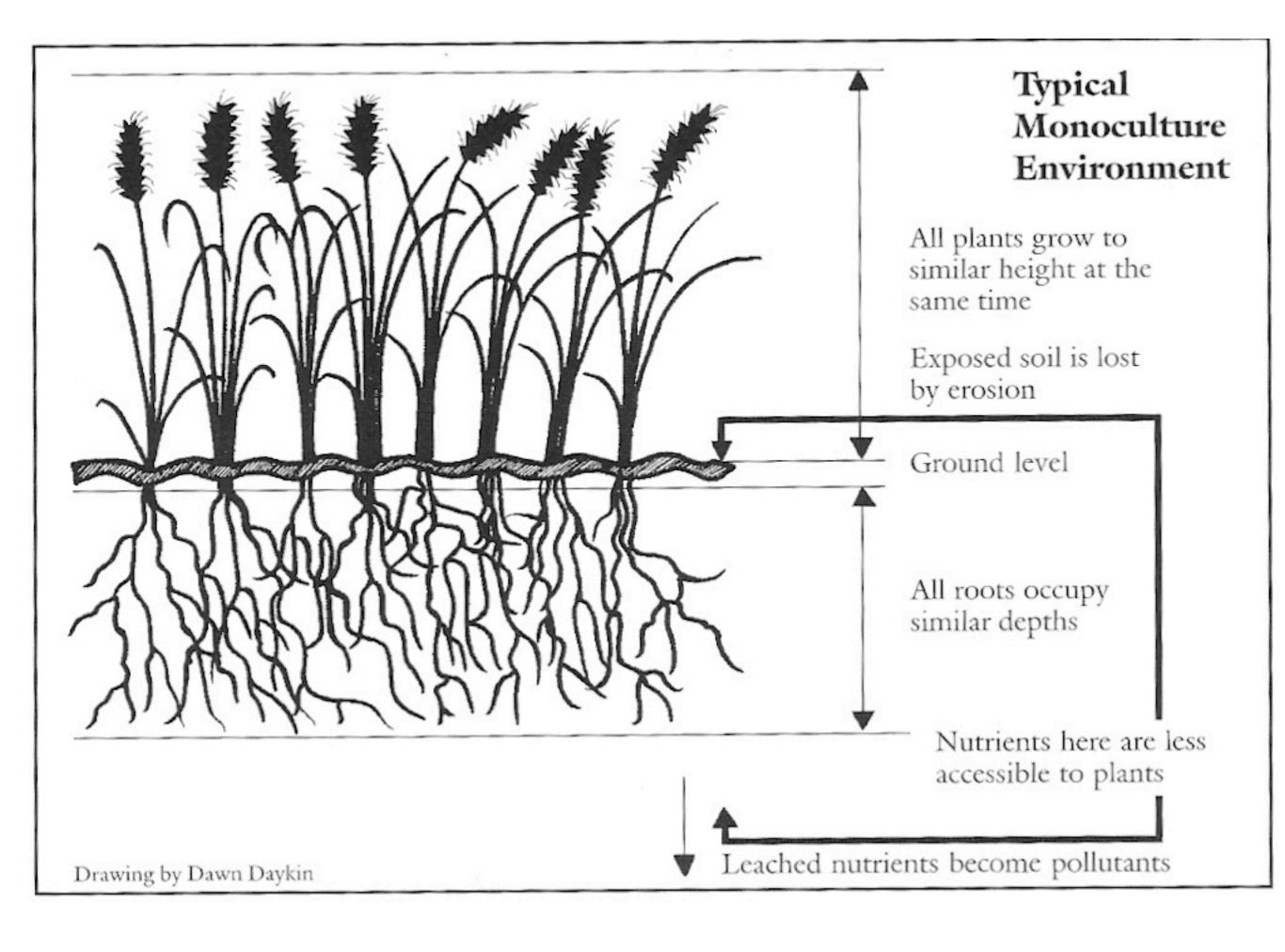






Superficial civilisation





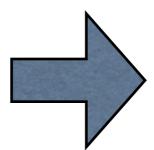
Nature is diverse

Civilisation is monotonous

Market Market 1988 And 1988 An

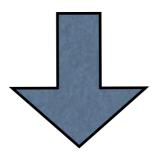
10.000 years ago:

Hunter-gatheres



Farmers

Manifold of fish, animals and plants



Very few fish, animals and plants

Domestication

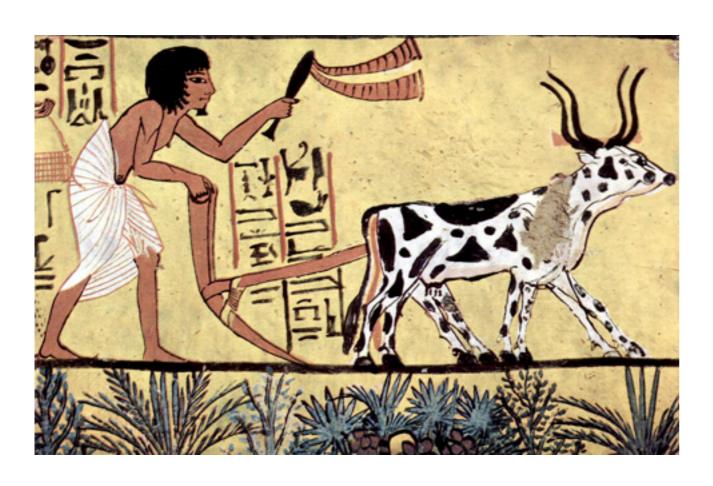
Plants domesticated into cultivated plants

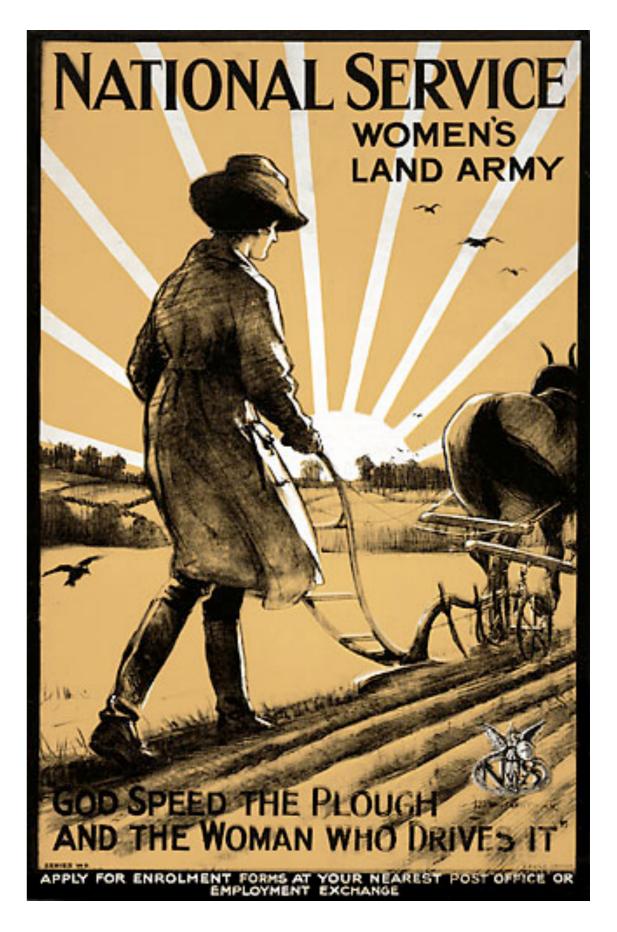
Animals tamed and domesticated

Strategy: Catastrophy



-1800





- 1200 WWI

The plow: The creation of a recurring annual catastrophy

Get rid of all optimistic plants!

Only allow that which we want

Annuals

FAO:

60 % of the calories consumed by human beings come from only four crops: rice, wheat, corn and potatoes

90% from just 30 crops

The sad story of vegetation and gastronomy

I. We eat so few plants

2. Your skills are used mostly in making a few dull things somewhat varied and interesting.

All gastronomy has been about making something poor seem rich

Food from annuals gives a fast increase in blood sugar levels

- starchy
- no bran
- quick satisfaction
- quick hunger again

Diseases of civilisation

Circulatory
Diabetes
Obesity

Second

Between heaven and earth:

Plants eating sunlight



Rocks eroding

To plow is to rape the soil

Dust bowls
Nutrient scarcity
Compacting

David Montgomery's calculation:

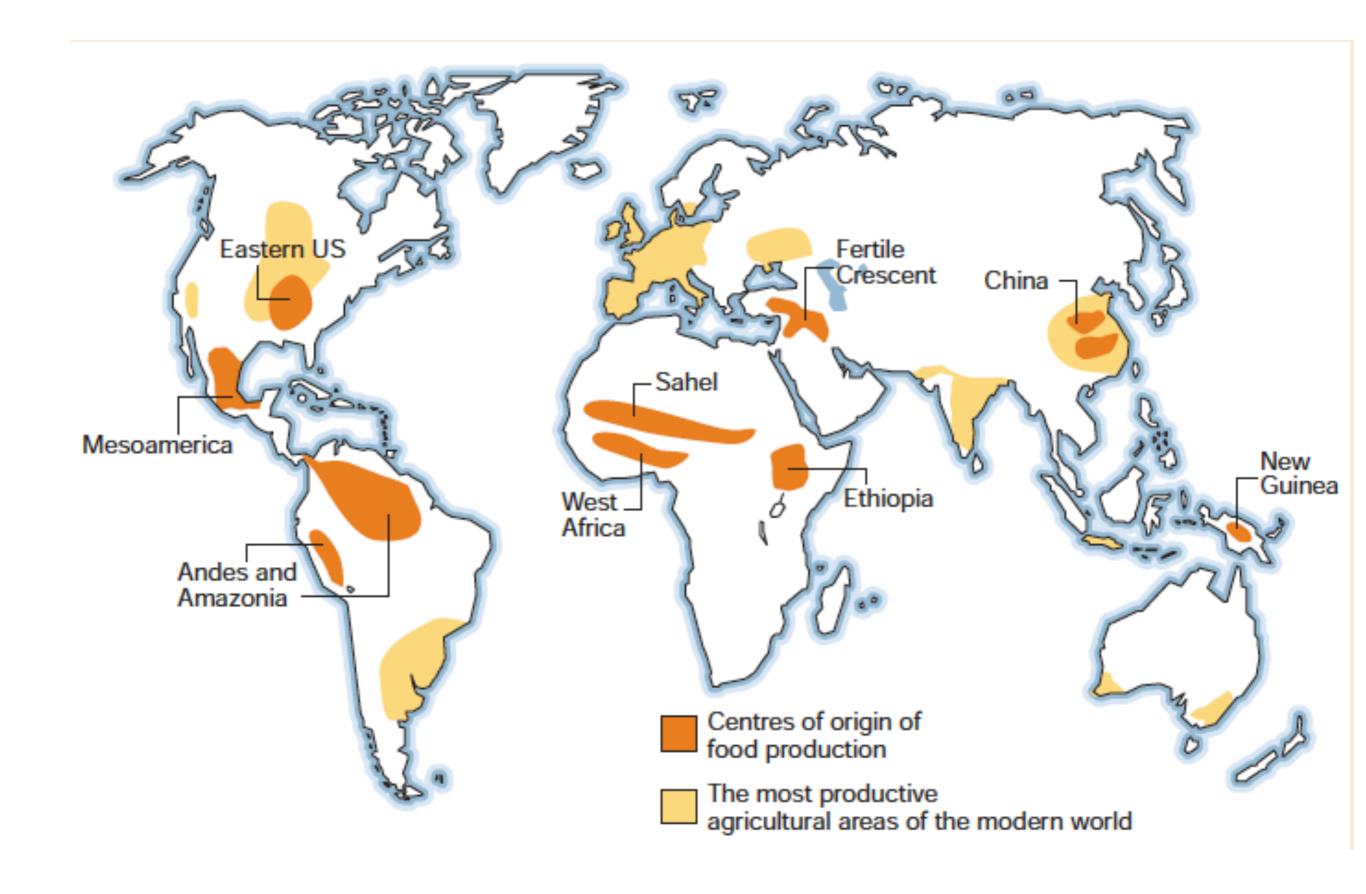
I meter soil

I mm per year

1000 years

Soil is mined away and civilisations fall

Mayas, inkas, greeks, romans, Mesopotamia, Sahel, China ...



1000 year lifetime for civilisations?

1000 year lifetime for civilisations?

+ fertilizers!

Tokyo 1649:

Banning urine and faeces in the rivers and canals

The hospitality of chinese peasants

We do not return the atoms to the soil when we do agriculture based on monocultures

Recycle the soil

Recirculate nutrients from the soil:

- rotate crops
 - night soil
- animal fertilizer
- chemical fertilizer

Degradation of soil

=>

Fertilizers like NPK

Climate

The end of fossil fuels is also the end of chemical fertilizers

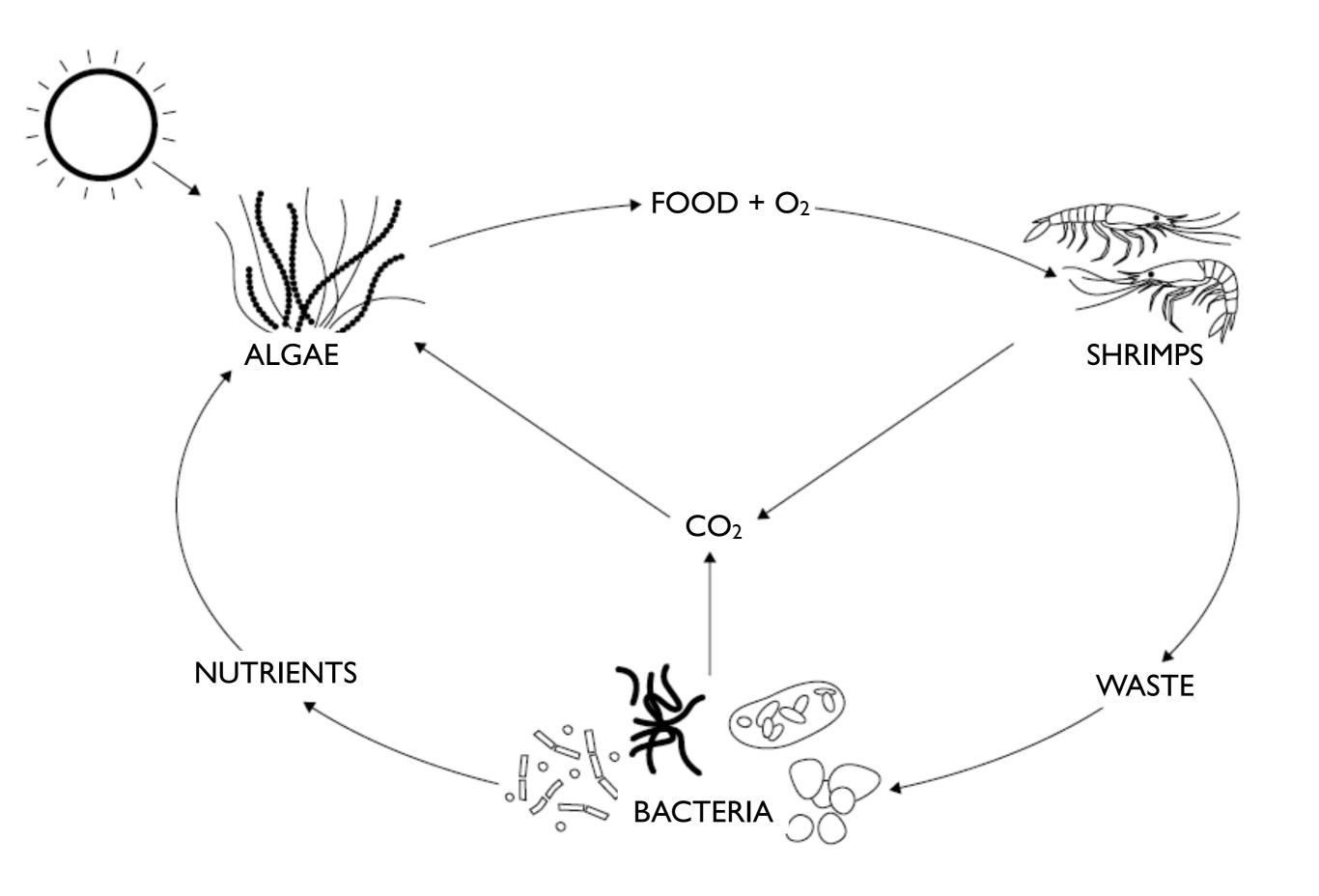
The End of Annuals + Fossil fuel

Save our Soils

Third



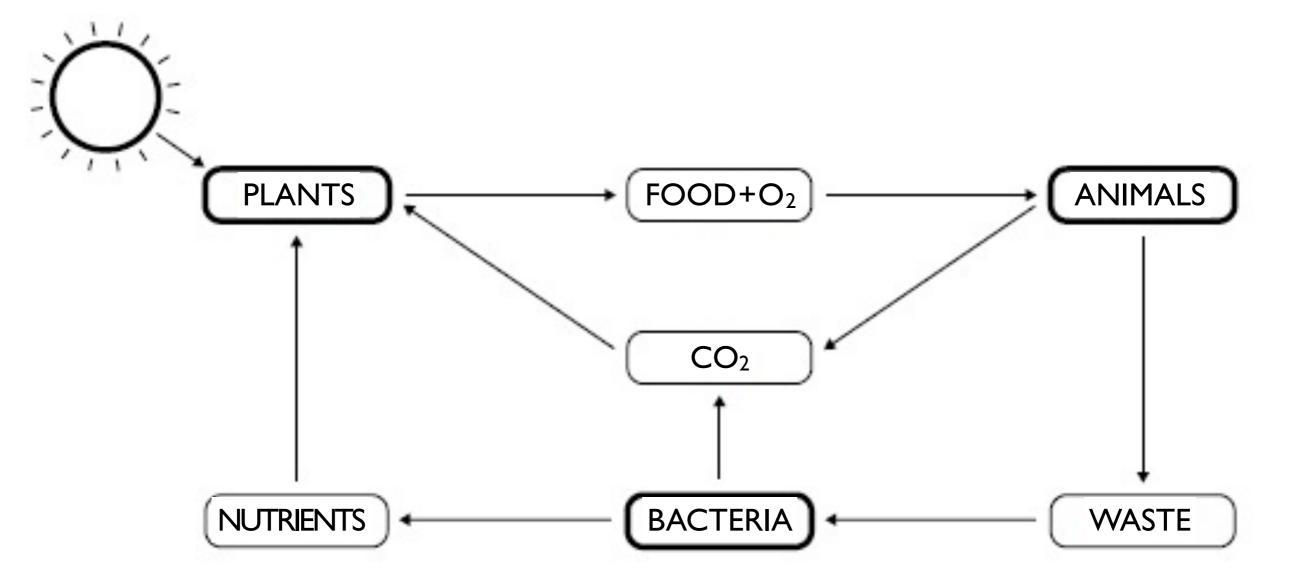
Ecosphere



Waste = Food

Share your shit!





of matter in a closed loop

Life is flow

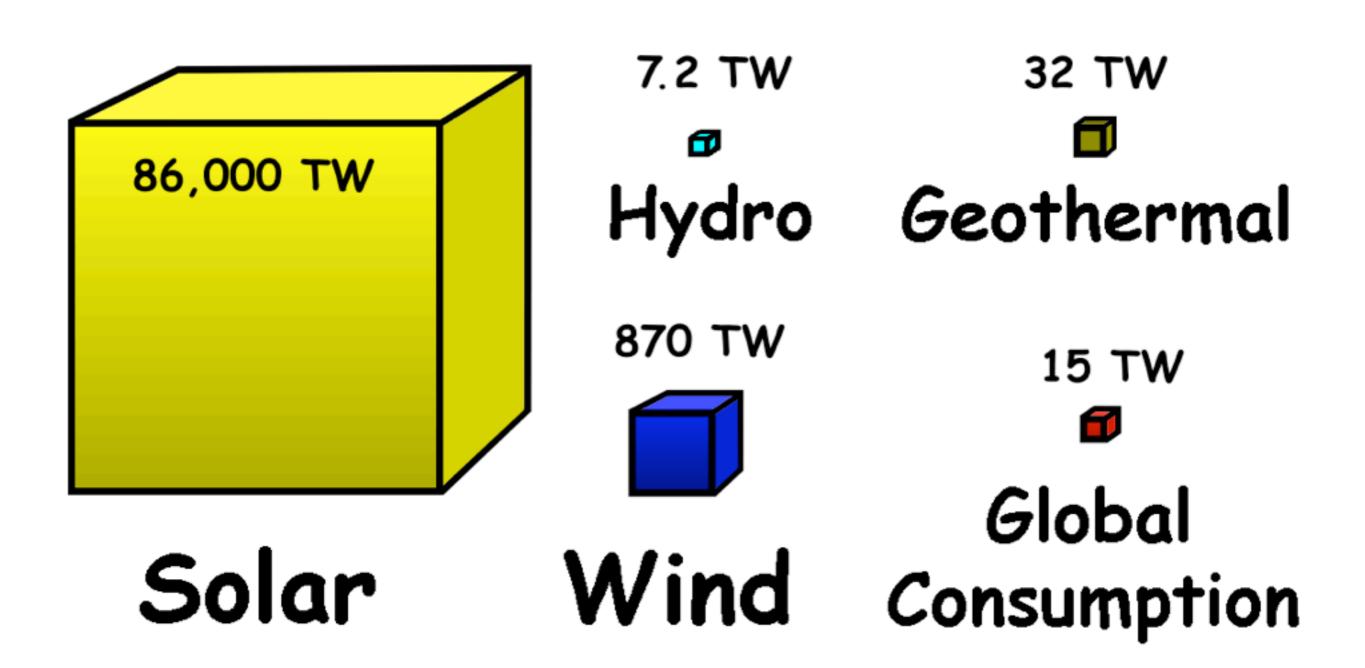


Ecosphere



Just add

daylight



Flow Depot Fossil sources Solar, wind, wave Biomass, Nuclear Photosynthesis

We are in a crisis We stop the flow

Civilisation as we know it: Depots from the planet below

Civilisation as we have to invent it: Flow from the star above

Climate

Carbon

Agriculture is the most important source of greenhouse gases

Historical time 320 GtC Industrial time 136 GtC

Fossil fuels 270 GtC

Fourth

Reincarnation

We are flows

I.5 ton of matter goes through each of usevery year

98% of our atoms are replaced in a year

Permanent reincarnation

Digital media: Never lose the information

We are not things

Things	Flows

Things	Flows
Diamond	Flame

Things	Flows	
Diamond	Flame	
Rock	River	

Things	Flows
Diamond	Flame
Rock	River
Chair	Chef

The flow must go on

No security from depots

Security from having trust in the planet

Food for 9 billion people - healthy to both persons and the planet

Fifth

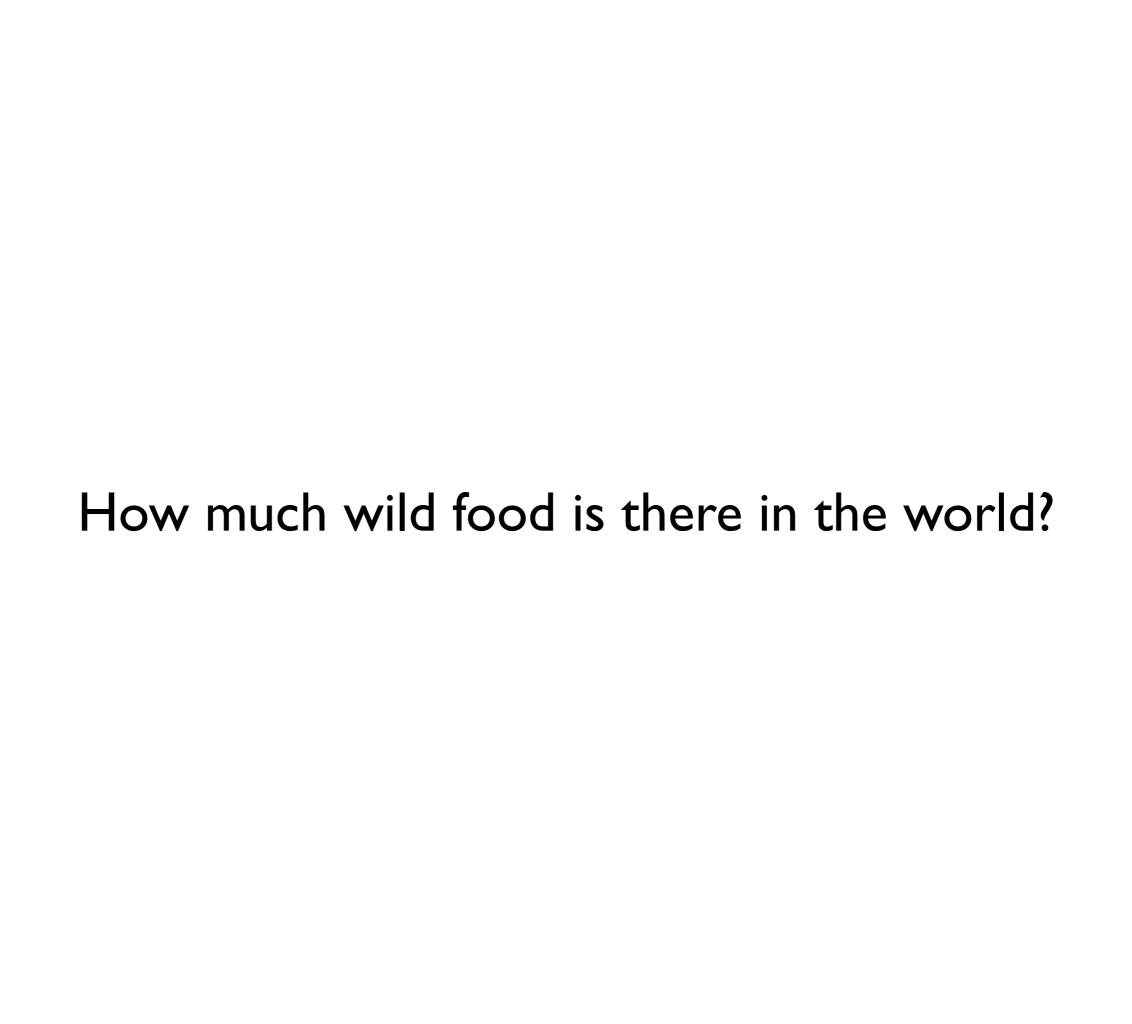
Wilderness

Why not eat what is already there?

Why not eat what is already there?

The Wild

Wild food Perennial plants



How much wild food is there in thw world?

Nobody knows!

10000 years ago:

The choice made was to substitute the diversity of nature with only the plants man could control

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They were stone agers!

Hunter- gatherer	Agriculture classic	Agriculture industrial
Many kinds	Few kinds	All corn
Solar power	Solar & human power	Fossil power
Healthy	Hard	Unhealthy

Hi Tech stone age:

The wild rediscovered

The wild made edible

Wild = having it's own will

Outside human intention
Not anyone's

No-man's-land

Finally

Gastronomy

Gastronauts

Is it friendly out there? Is the Earth edible?

We trust the planet

We go with the flow

Explore & Investigate

Re-Search Re-Spect Re-Store

Re-Staurant

Noma's Ark

We are natives coming back to the wild