



JOHAN UNUNGER  
VD, SALTÅ KVARN



# Saltå Kvarn: an organic food company

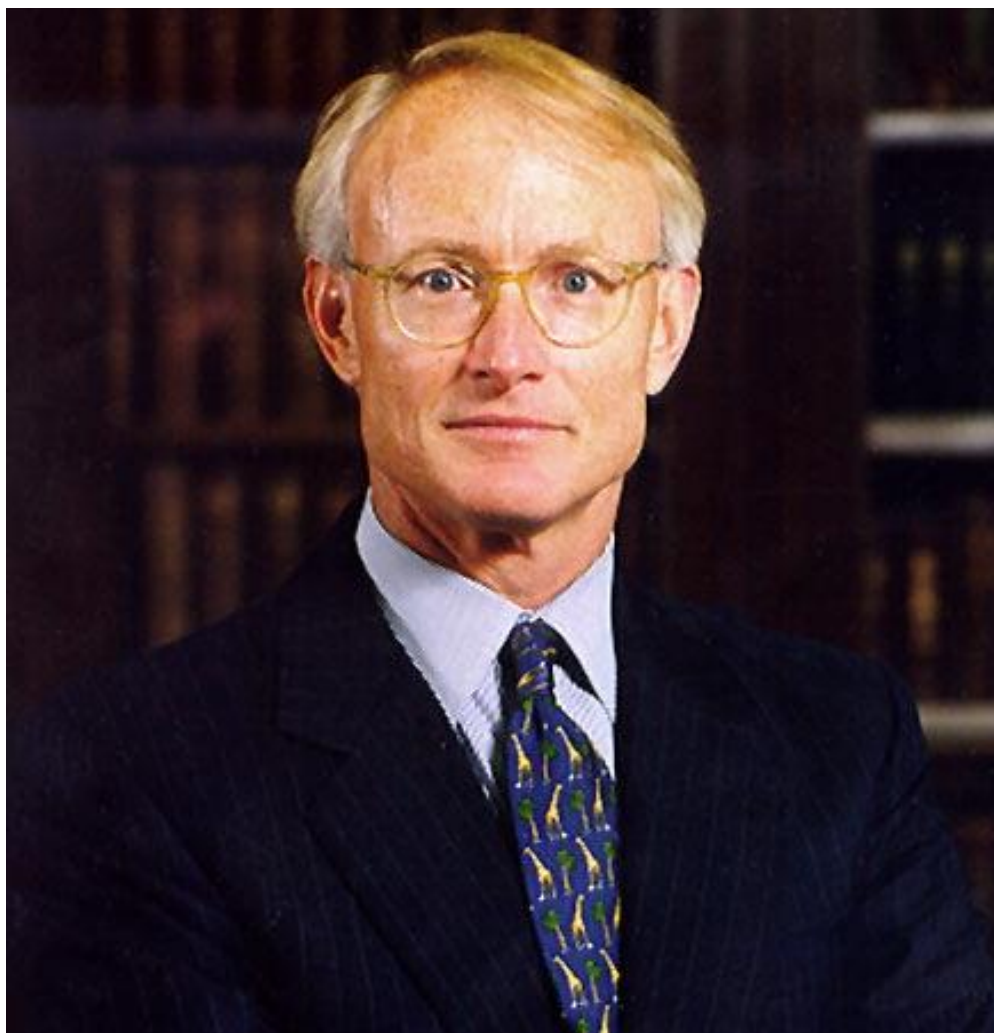




**Sustainable Brand Index™ 2015**  
**Saltå Kvarn - the most Sustainable Brand in Sweden!**



Foto: Ingvar Andersson/Pressens Bild









"DDT is good for me-e-e!" z z







# Phytoplankton bloom



Waterborne input of nitrogen and phosphorus

# Our vision!

- **Save the Baltic**



# Saltå tool box

Influence in relationship to planetary boundaries



Priority of activities

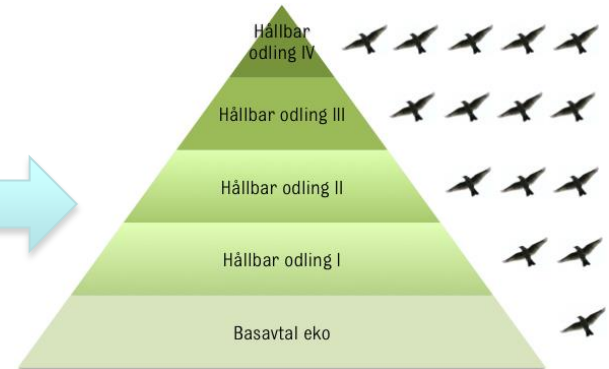
Ex. Biologisk mångfald

Åtgärd	faktor	Utfall
Våtmark	0,90	xxx
Viltåker	0,60	xxx
Återställ diken	0,90	xxx
Lärkrutor	0,10	xxx
Kantzoner	0,40	xxx

Klimatförändring

Åtgärd	faktor	Utfall
Meandr. Saltsten		I
Rösen	Biogasproduktion gård	0,90 xxx
Bikupor	Fånggrödor, mellangrödor	0,60 xxx
Baggbar	Högt kväveutnyttjande	0,90 xxx
	Låg markpackning	0,10 xxx
	Vallbrott, vår	0,40 xxx
	Näringsbalans gård	0,85 xxx
	Solenergi	0,25 xxx
	Foder, sammansättning	0,10 xxx
	Jämn skörd	0,40 xxx
	Plöjningsfri odling	0,85 xxx

Points



# Planetary boundaries

## Climate change

325 ppm CO<sub>2</sub>; (300 – 350 ppm CO<sub>2</sub> )

## Bio geo kemi N&P Cycles

Limit industrial fixation of  
N<sub>2</sub> to 25 Tg N yr<sup>1</sup>  
P < 20 % inflow to  
Oceans

## Biodiversity

Extinction Rate  
To be determined

## Land use changes

≤15 % of land for food  
production

## Ozone hole

< 5 % of pre-industrial value  
290 DU (0 - 10%)

## Atmospheric Aerosol Loading

To be determined

## Ocean acidification

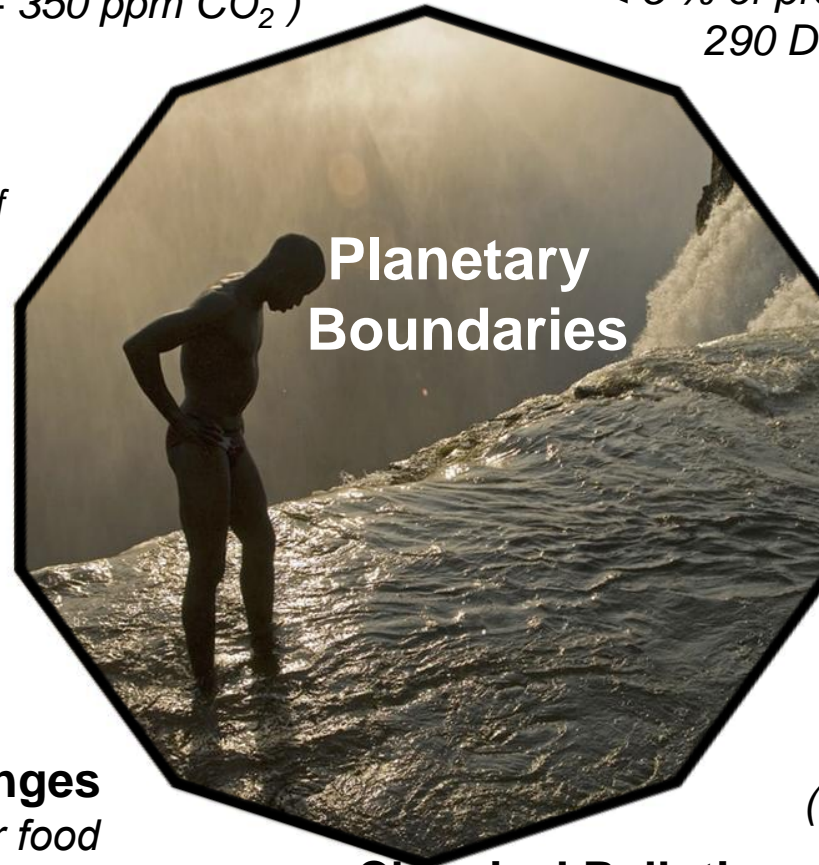
Carbonate ion Conc.  
225 μ-mole kg<sup>1</sup>  
(200-250 μ-mole kg<sup>1</sup> )

## Global Freshwater Use

<5000 km<sup>3</sup>/yr  
(4000 – 6000 km<sup>3</sup>/yr)

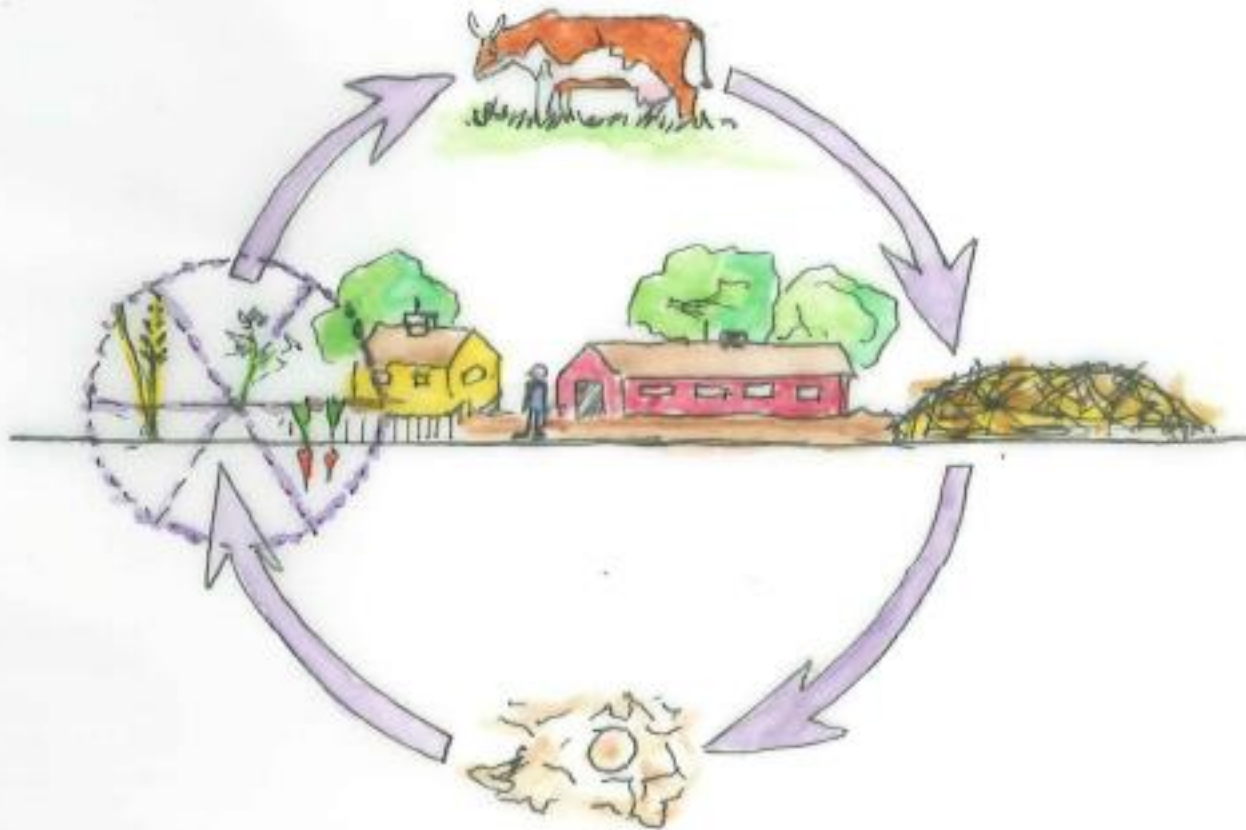
## Chemical Pollution

Plastics, Endocrine Desruptors, Nuclear  
Waste Emitted globally, To be determined



# ERA farm

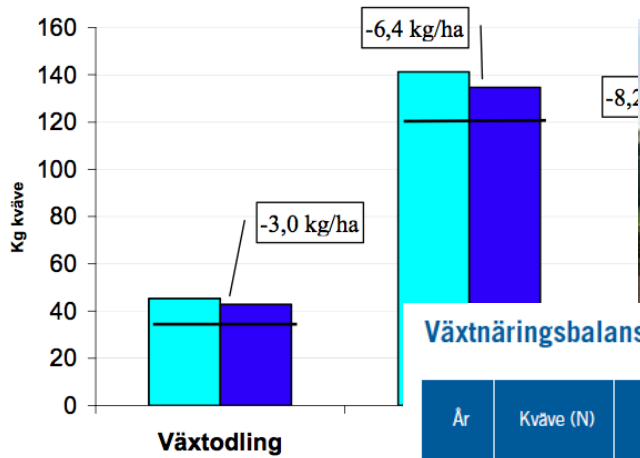
## Kretsloppsjordbruk



# Biodiversity

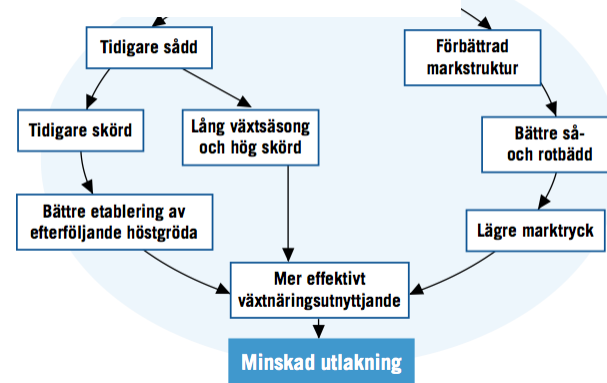


# Eutrophication

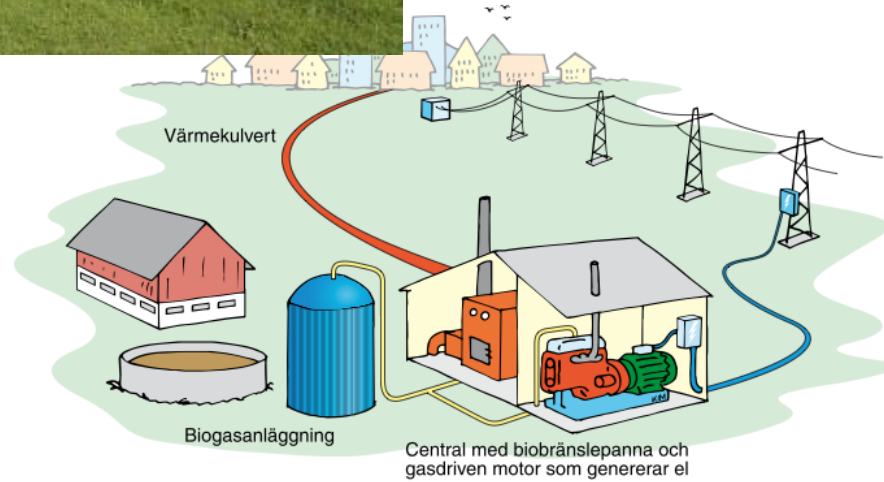


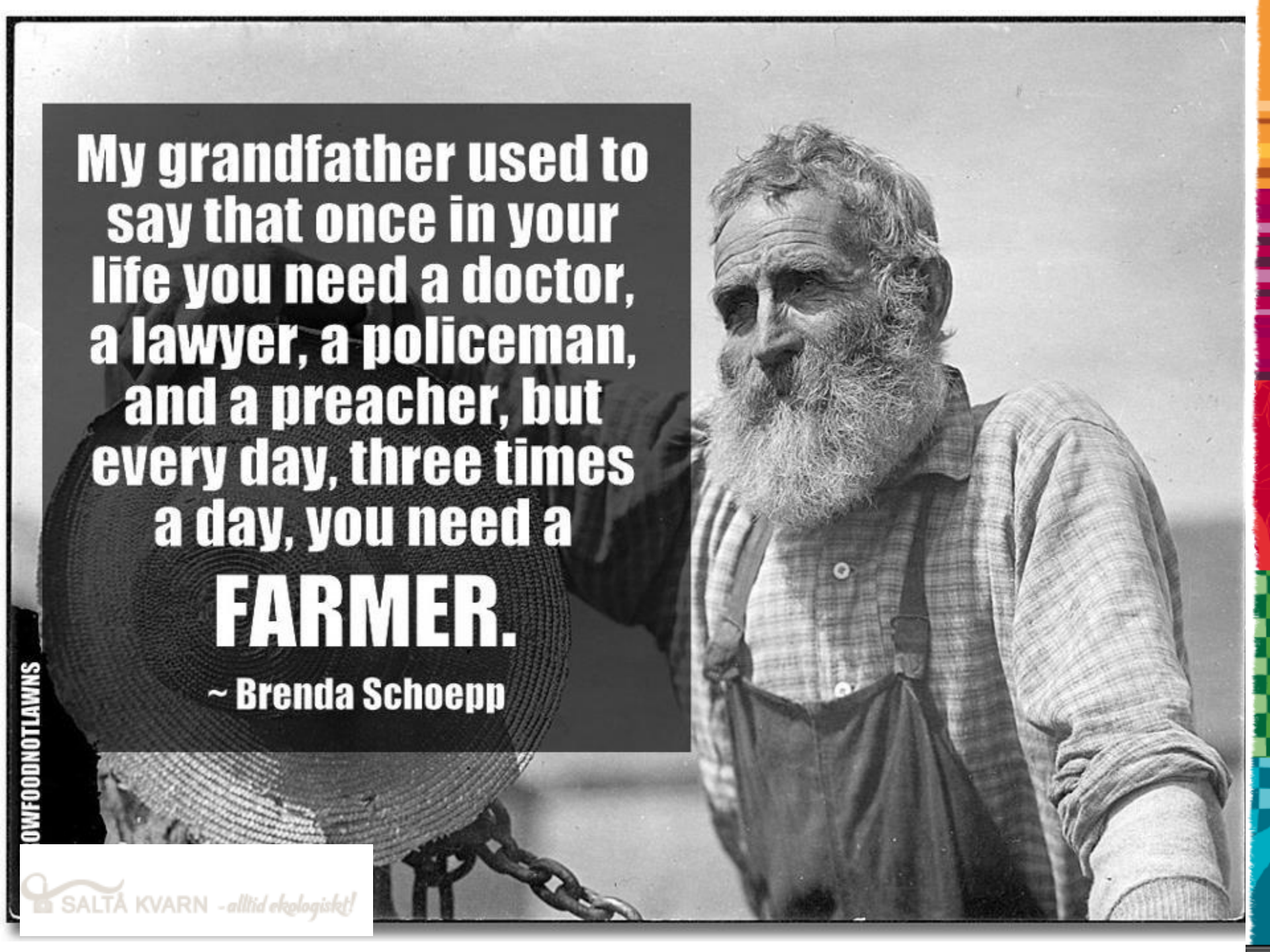
Växtnäringsbalans, över- eller underskott kg/ha

År	Kväve (N)	Jämförelsevärde (från STANK in MIND) kg/ha	Fosfor (P) kg/ha	Rimligt över-/underskott enligt SJV, kg/ha	Kalium (K) kg/ha	Rimligt över-/underskott enligt SJV, kg/ha



# Climate





**My grandfather used to  
say that once in your  
life you need a doctor,  
a lawyer, a policeman,  
and a preacher, but  
every day, three times  
a day, you need a  
**FARMER.****

~ Brenda Schoepp

**Sustainability = f (sale)**



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