

BALTIC SEA AND THE AGRICULTURE



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BALTIC SEA ACTION GROUP

- A Finnish foundation that works within the whole Baltic Sea
- Acts as an initiator and a **catalyst**
- **CONSTRUCTIVE AND REALISTIC APPROACH - NOT A PRESSURE GROUP**

About me:

Passionate about **agriculture, sea and nature.**

Two farms: one organic and one conventional.



NITROGEN

PHOSPHORUS



N & P

In the soil they are needed
In the sea they cause damage

GLOBAL PROBLEM...

Eutrophication: "dead zones" around the world



AND GLOBAL FOODSYSTEM...

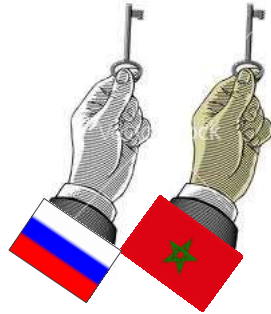


...BRINGS PART OF RAIN FOREST
TO THE BALTIC SEA

ON THE OTHER HAND: FOOD PRODUCTION OF EU



Nitrogen 80% (Finland)



Phosphorus

By recycling nutrients
we can avoid difficulties in the future

PUT IT THIS WAY?

The Baltic Sea: **60%** of the N and P
emissions come from **agriculture**
(about half of this from meat production)

OUR MESSAGE:



Nutrient cycling concerns you only if you

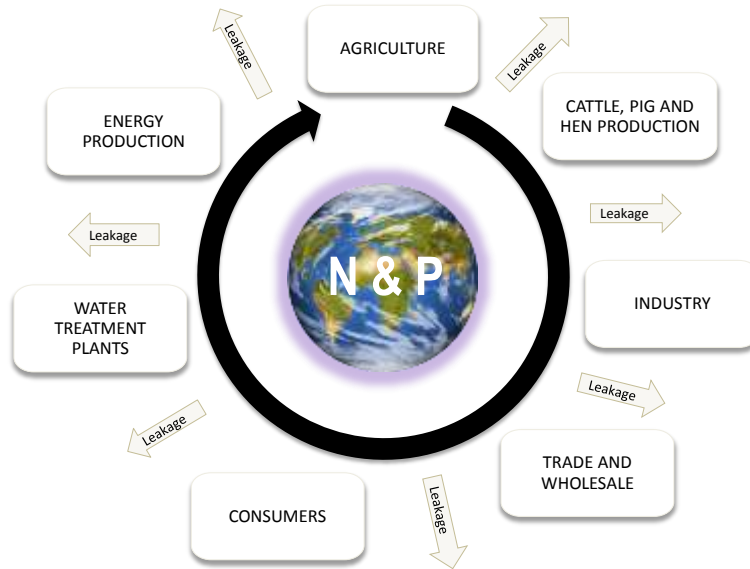
EAT.

From field to plate— and forward!



NUTRIENT CYCLE = FOOD CYCLE

BSAG ANALYZES THE WHOLE FOODCHAIN



Focus on agriculture:

WHAT

Should we do?



1. Put

MANURE

into efficient use



TECHNOLOGY to the farms

LOGISTICS to the productions
plants

PROCESSING into a fertiliser



2. Improve the condition of

SOIL



a) MORE YEAR-ROUND VEGETATION

- Soil stays in place, plant uses nutrients i.e. decrease in erosion and emissions
- Long roots tie carbon to the ground



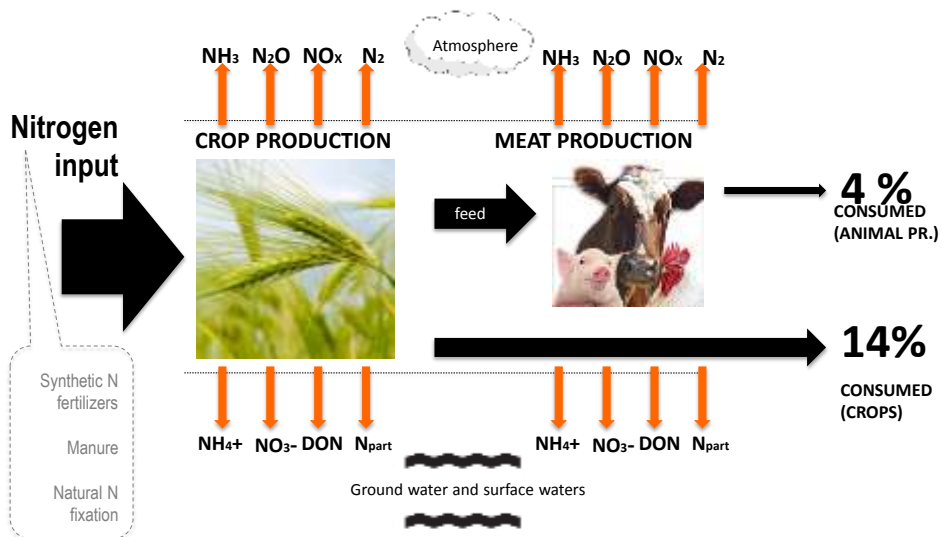
b) PUT pH IN ORDER (lime)

c) MORE HUMUS, 2% points → 100%

d) WATER MANAGEMENT i.e. FIX DITCHES

e) NUTRIENTS IN RIGHT PROPORTIONS

NITROGEN – A LEAKY ELEMENT



Presented by Eric A. Davidson at the Livestock Systems and Environment (LSE) Seminar, September 2014



3. "PLUS"

as first aid and additions



- a) GYPSUM (A Commitment by Yara)
 - b) Buffer zones
 - c) Wetlands
- "last solution" before a brook or sea

Work for the Baltic Sea,
work for the



CLIMATE

GOAL: emission free food production
#carbon farming #regenerative farming

What can
YOU do?



Do not underestimate your own group. **Farmers can be the frontline actors in solving the Baltic Sea problems.**

Invent new solutions. Push forward the old solutions. Exercise politics leading to these remedies. Think where do you have the leverage.

Let's save the Baltic Sea together.