EAT NO MEAT TO SAVE THE PLANET?
Think twice before making a false decision!

Dr. Martin C.Th. Scholten

@mcthscholten

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Global Research Alliance

GLOBAL RESEARCH ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

- brings countries together to find ways to grow more food with lower emissions
- by improving global cooperation in research
- to support farmers, policies and other international organizations

GRA Members make up about 60% of global agricultural GHGs

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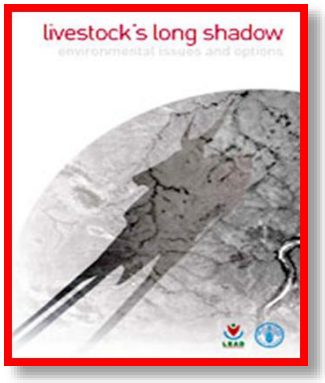
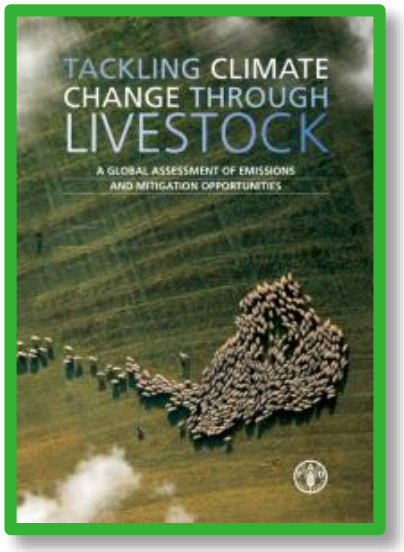
Livestock's Long Shadow.. can be changed





- Genotyping low methane production for selection
- Improving feed quality and digestibility, rumen microbes
- Improving animal health and husbandry conditions
- Manure management: collection, storage and utilisation
- Improving C sequestration soils
- Precision Livestock Farming

Circulair

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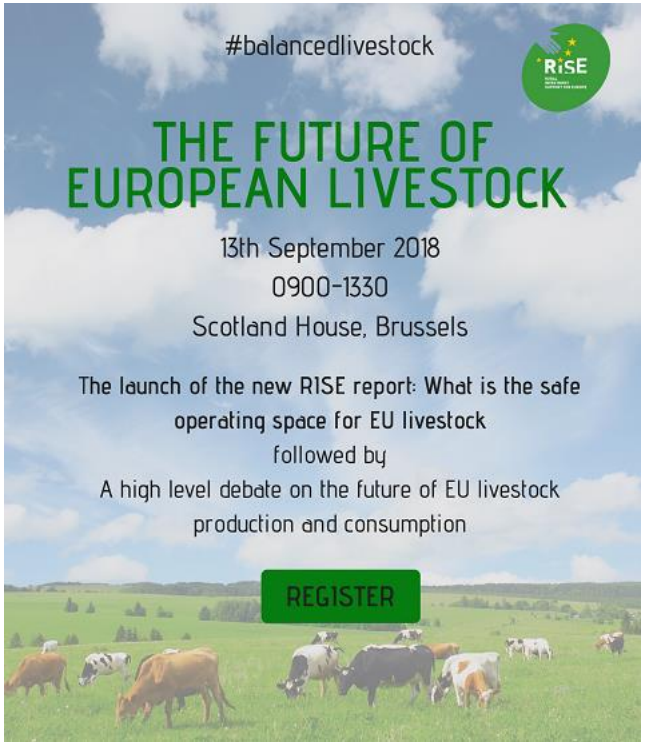
Reducing Livestock .... is way too simple

Science

SUSTAINABILITY

Reducing food's environmental impacts through producers and consumers

J. Poore[1,2]* and T. Nemecek[3]



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Game Changer: Ecological Resource Use Efficiency

Production Efficiency

Total Resource Efficiency

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Circularity = Soil, Crops & Livestock!

SMART FEEDING

SMART FERTILIZATION

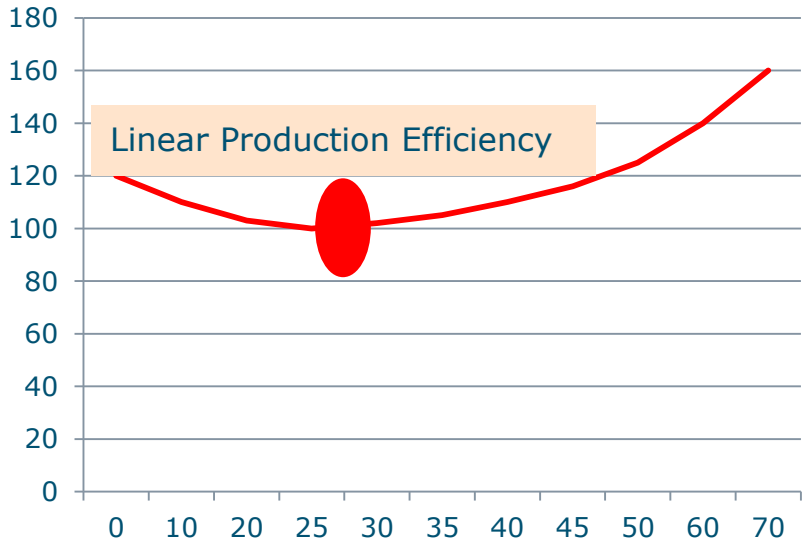
Resource Efficient Food Production (current)

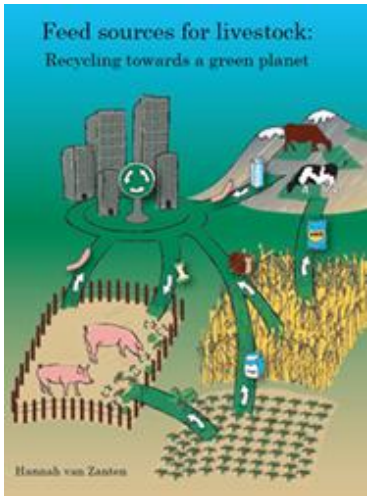
Resources needed for Human Edible Proteins Production without Depletion of Productivity and Biodiversity

THE GREEN REVOLUTION

Eating Better

for a fair green healthy future





Prof.dr.ir. Imke de Boer

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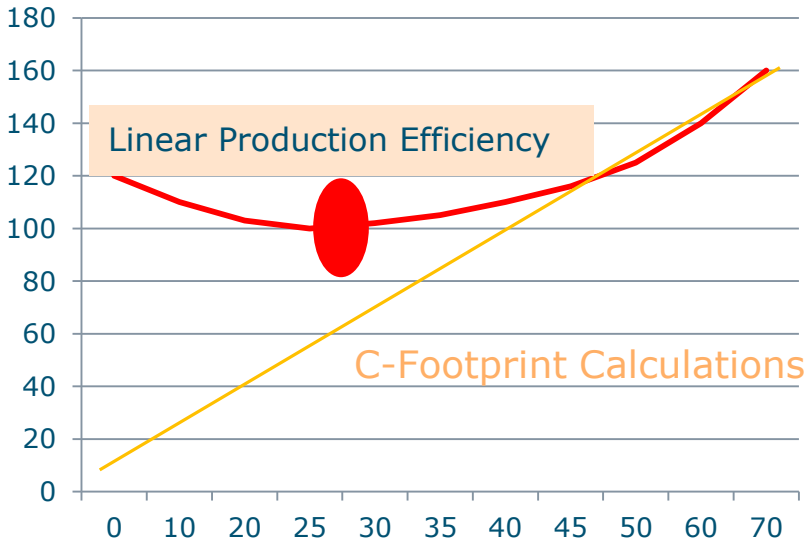

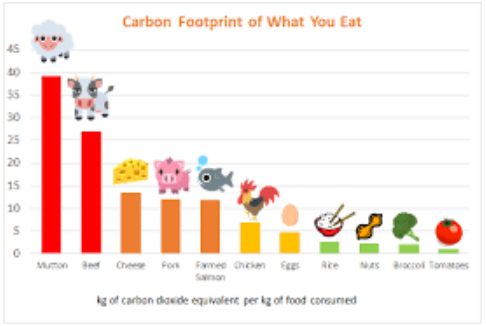

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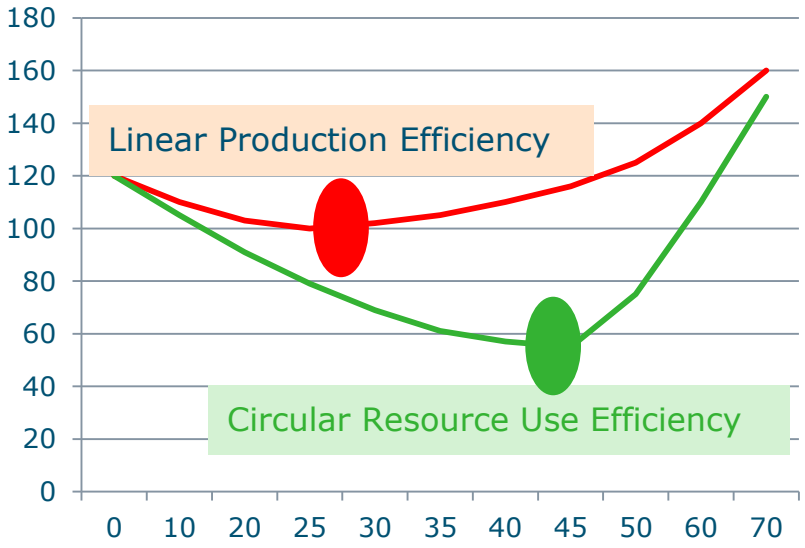
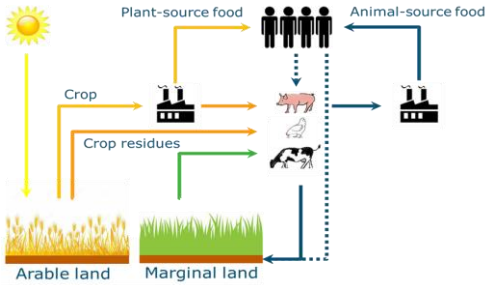
Resource Efficient Food Production (future)

Resources needed for Human Edible Proteins Production without Depletion of Productivity and Biodiversity





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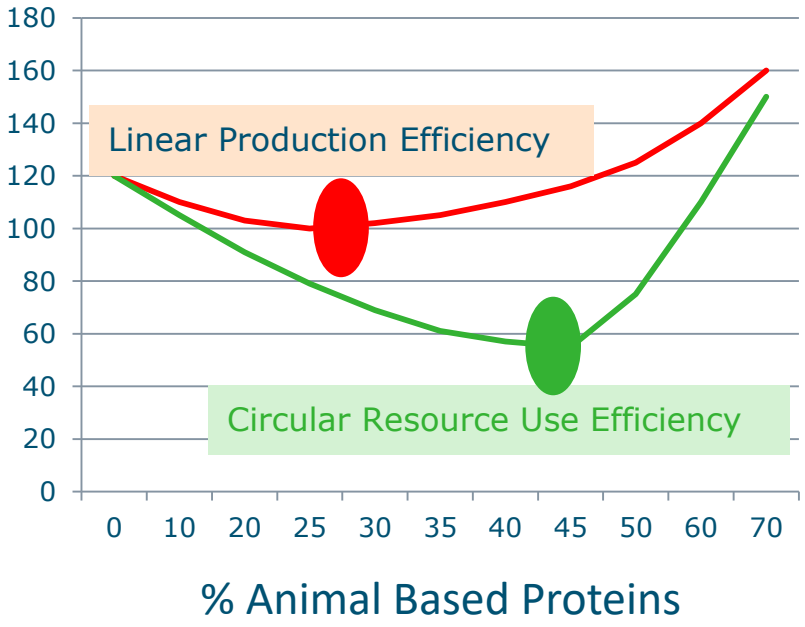

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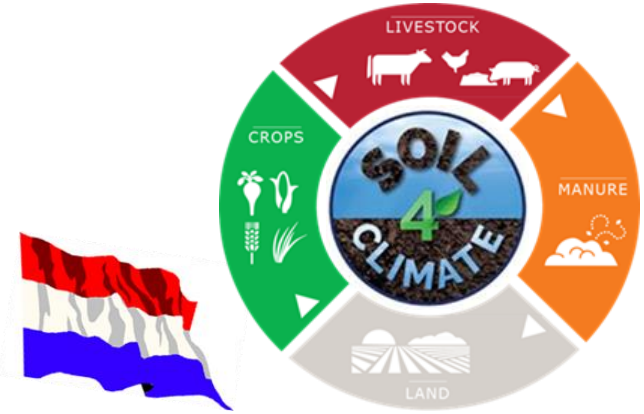
Climate Smart Food is Circular!

climatesmart

- More efficient use of Crops
- No specific Feed Production
- Better Agricultural Land use
- Low emission Husbandry
- Smart use of Manure
- Biobased organic Fertilizing
- More Carbon Sequestration



NL Agricultural GHG emissions:
18 Mton CO2eq. /year

Direct mitigation potential:
3,5 Mton CO2eq. /year

Additional by Circularity:
6 Mton CO2 eq. /year

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Can we “Turn the Tide”?

NEDERLAND CIRCULAIR!

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Circular Food

is Good

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