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ON AGRICULTURAL GREENHOUSE GASES

GRA Task Force to initiate a Flagship on Climate Smart Circular Food Systems

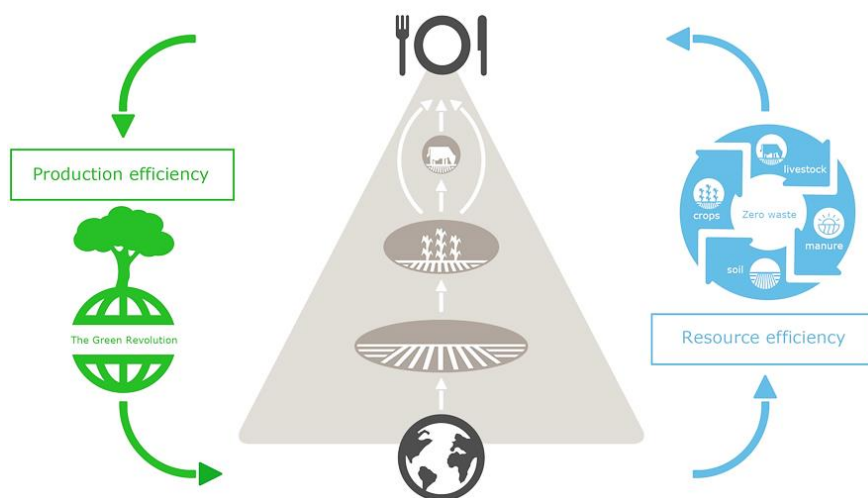


Food Security connected to Resource Security

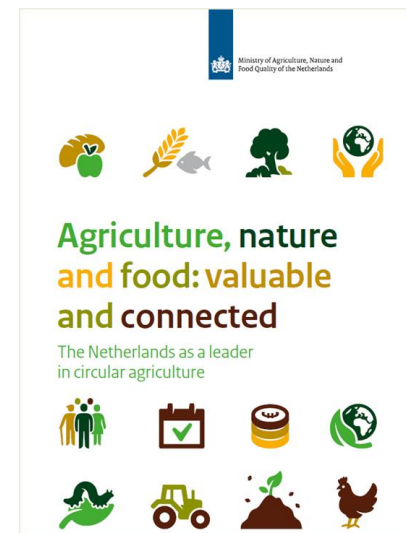
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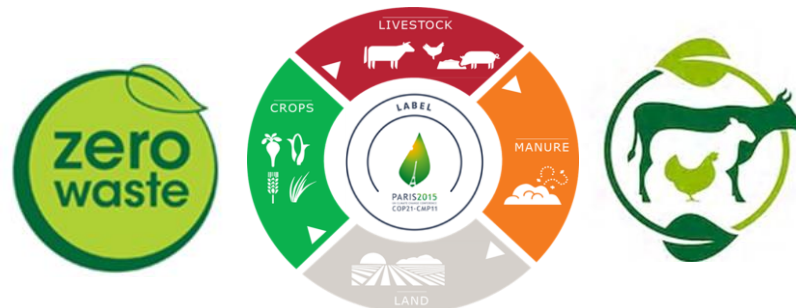
FOOD SECURITY



RESOURCE SECURITY



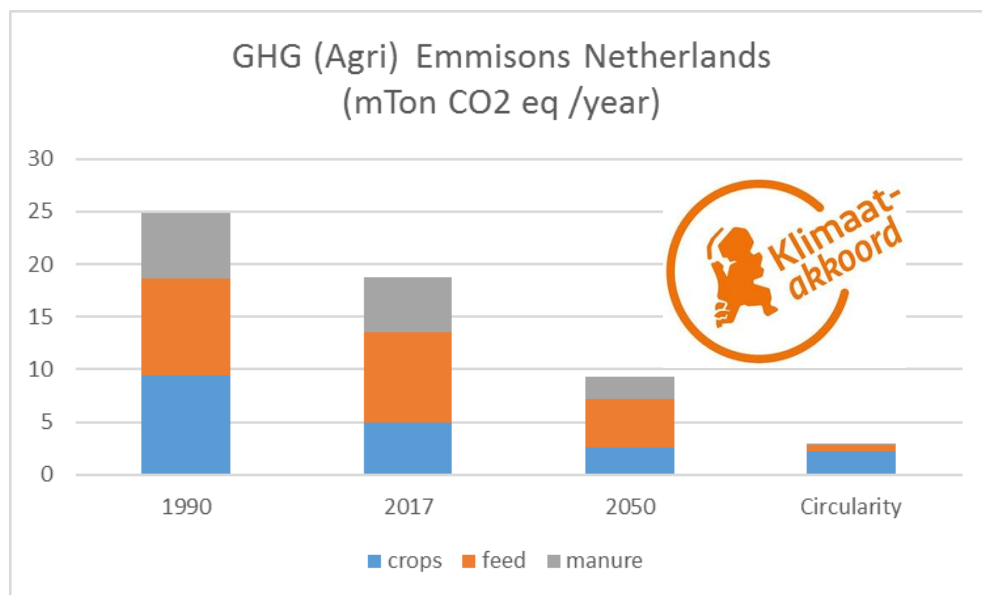
- Optimized use natural & renewable resource
- No waste of produced biomass
- Valorisation of residual biomass as coproducts
- Interconnected integration within foodsystem



Climate Mitigation Perspectives

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- Better agricultural land use
- More efficient use of food crops (including residuals), grass and other marginal crops
- Less specific feed production
- Low emission husbandry management
- Smart use of manure for biobased organic fertilizing
- More carbon sequestration in soils and biomass

ipcc

The Intergovernmental Panel on Climate Change



Task Force to Develop a Flagship Proposal on Circular Food Systems (CFS)

- Aim: to improve food security with lower GHG emissions by circularity across the entire agri-food system with an economy on by/co-products
 - Identify diverse concepts, best practices and evidences for potential to reduce GHG at various scales
 - Identify R&D topics to transfer concepts to the practice in showcases
 - Developing a strategy to accelerate a transition towards circularity
 - Review progress and scope in Council meeting 2019 (Bali)

Conception Meeting (2018)

- France
- Argentina
- Indonesia
- Switzerland
- USA
- Lithuania
- Germany
- Uruguay
- Chile
- Vietnam
- The Netherlands
- CCAFS
- CIAT
- FAO

Response to Inventory (2019)

- Colombia
- USA
- Argentina (3x)
- Netherlands
- France
- Norway
- UK
- Spain (2x)
- Ireland
- Denmark
- Indonesia
- Vietnam
- New Zealand

The concept of CFS is generally recognised, but often hidden under “circular biobased economy”

- Some countries have clear action plans for CFS
- Few recognise CFS as the core of the future for their agriculture
- Focus: minimize use of resource, no waste, all biomass used and reused, lowest emissions

Promoted by all countries in response:

- to address resource scarcity
- to reduce waste of by-products
- to address depletion of soil fertility
- to optimize the use of lands for food production
- to address climate change

Research topics:

- use of residual by-products and food waste in feed production
- development of higher value organic fertilizers
- improvement of soil quality, health and fertility
- green energy production

Role of Governments:

- appropriate policies, regulations and legislations
- stakeholder engagement

Next Steps

1. Programme Outline (“white paper”) based on Inventory and considering past discussions with CGIAR and FAO to be presented at GRA Council 2019
2. Extend and Enforce the Task Force, linked to GRA (RGs) and partners (a coalition of the willing)
3. Roadshow to collect Commitment and Support by various Countries, Organizations and Funds (fund raising)
4. Recruitment of a Community of Experts, linked to GRA networks
5. Organizing a Kick-Off Seminar, linked to a global conference organized by GRA or partner
6. Arranging and running a kind of Global Flagship Programme, with shared and joint projects

We are open for all your support !

Is LRG a right platform for support ?