Transition agenda: a multi-stakeholder approach in the Netherlands

Nutrient Platform

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ESPC3, Helsinki

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Nutrient Platform

Renske Verhulst – Secretary of Nutrient Platform

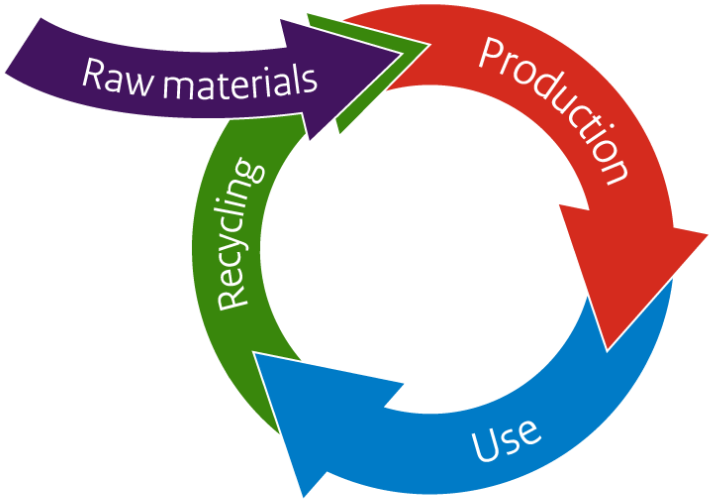
34 Dutch companies, knowledge & government

Creating value from waste

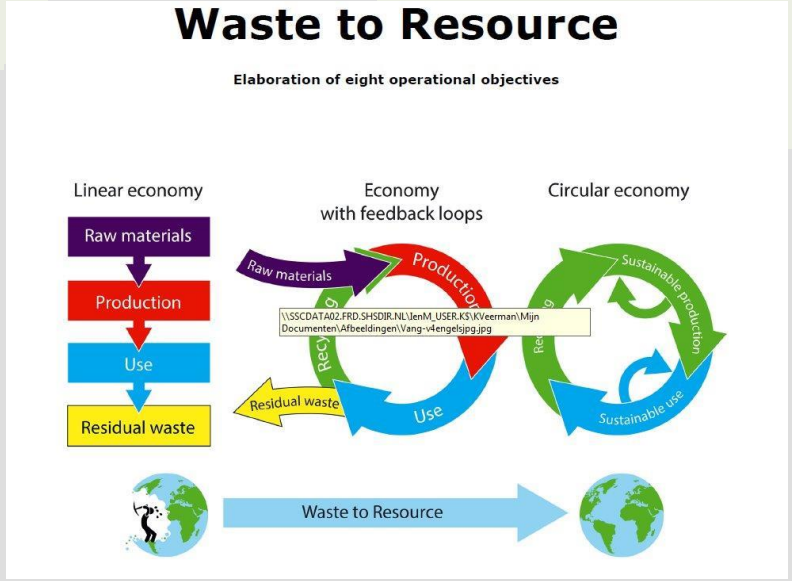
Transition agenda

1. Circular Economy in NL
2. Transition agenda's and process
3. Outcomes
4. What more?

Circular economy



1. Circular Economy in NL



VANG - 2013

Netherlands Circular in 2050 - 2016

Grondstoffenakkoord - 2017

Transition agenda - 2018

1. Circular Economy in NL

Netherlands Circular in 2050 - 2016

1. High quality use of materials
2. Substitution of fossil and critical materials
3. Stimulate new ways of design, production and consumption

50% material reduction in 2030

2. Transition agenda timeline

April 2017	Start
October 2017	New government
January 2018	Publication
Summer 2018	Reaction of Kabinet

2. Transition agenda

- Biomass and Food
- Plastics
- Manufactering industry
- Building industry
- Consumption goods

2. Transition agenda summary

1. Strategic goals
2. Lines of action
3. Preconditional actions
4. Investment, knowledge and social agenda

FOOD FOR THOUGHT.
APPETITE FOR ACTION.

Transitionteam members

2. Transition agenda strategic goals

GOALS

- Sustainable and regenerative production of biomass
- Optimal use of biomass and food
- Reducing use and replacement of non-renewables
- New ways of producing and consuming (plant protein)

LINES OF ACTION

Increase amount of sustainable biomass, **circular and regenerative use of soil and nutrients**, reduce food waste, plant protein transition, feeding and greening megacities

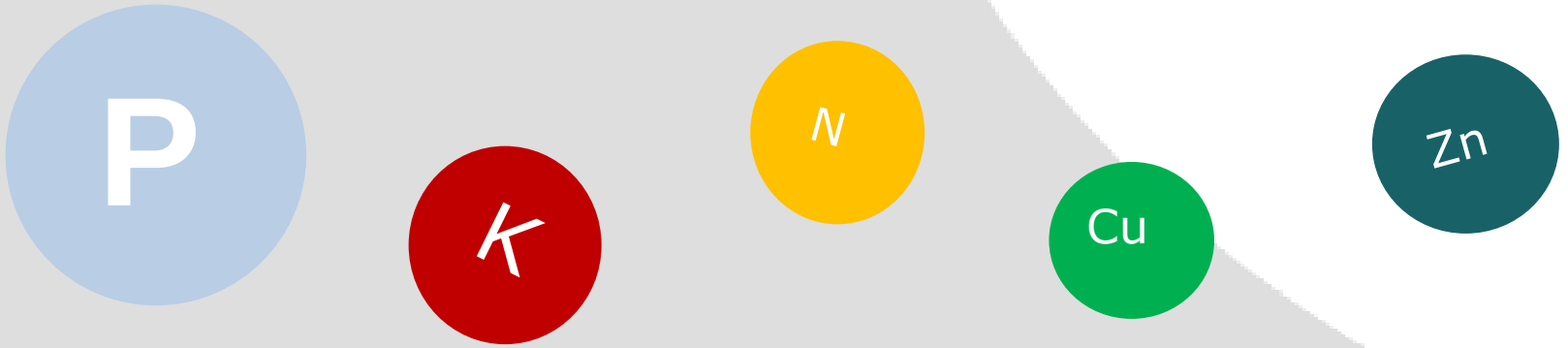
PRECONDITIONS

- Emancipation of regulation
- Honor long-term carbon fixation in soils
- Improve investment climate for biobased industry

2.Biomass and Food

4 working groups

1. Nutrients and soil fertility
2. Proteinproduction and consumption
3. Valorisation of wastestreams and biorefinery
4. Circular economy in the horticulture



3. WG Nutrients and soil fertility

As small as possible, as big as needed

- Circular and regenerative production of soil and nutrients

3. Circular and regenerative use of soil and nutrients

As small as possible, as big as needed

- Cherish small cycles that are in place
- Local closing of cycles between companies
- National cycles between city and countryside
- Prevent large nutrient displacement (import/export if needed)

Preconditions

- Prevent contamination at source
- Acknowledge value biomass/OM in cascading

3. Circular and regenerative use of soil and nutrients

Four main lines of solutions

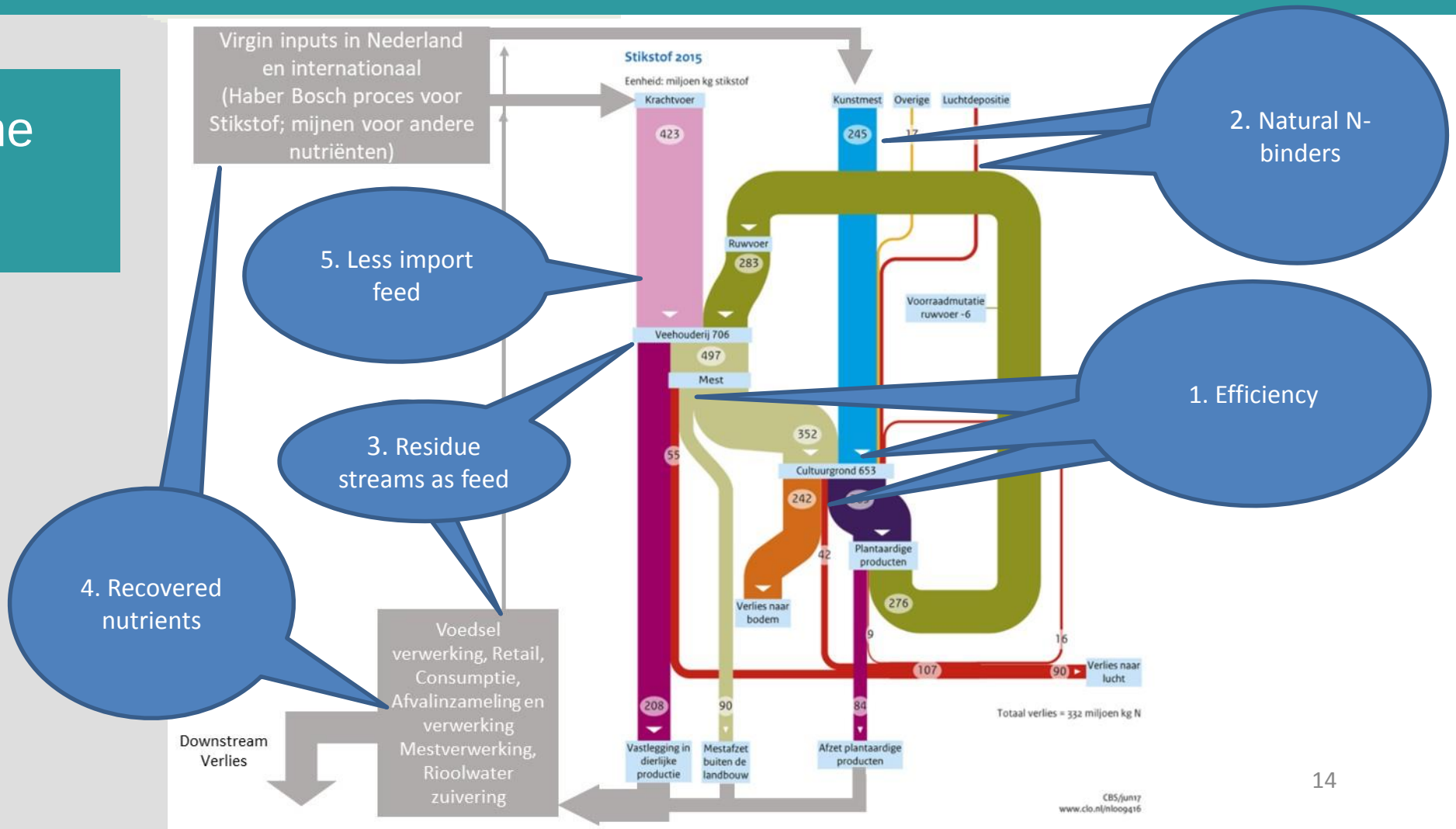
- Maximise use efficiency & minimalise losses
- Minimalise virgin inputs
- Prevent structural nutrient displacement
- Optimise amount of organic material in soil

Goals for 2050

- 60-70% use of nitrogen from fertiliser and manure
- >95% use of P, K and micronutrients in whole chain

3. Circular and regenerative use of soil and nutrients

Closing the N-cycle



3. Lines of action: Setting-up a transition program

Value Chain Responsibility

Inclusive

Coming years: focus on possibilities and testing

- Develop factbase for measuring nutrient cycles and soil fertility
- Technological innovations
- Develop new businessmodels
- Support living labs
- Invest in education and knowledge dissemination

3. WG ideas for interventions

- Obliged recycling rate in products
- Subsidy for nutrient recycling projects
- Put nutrient recycling rates in climate law
- Producer responsibility: recycling fee for nutrients
- And more..

4. What more?

➢ *Taskforce reassessment of regulations*

➢ *Project on regenerative agriculture*

➢ *Money available for: soil strategy, climate actions*

➢ *Timeline: this or coming month reaction of Kabinet*

4. Food for thought

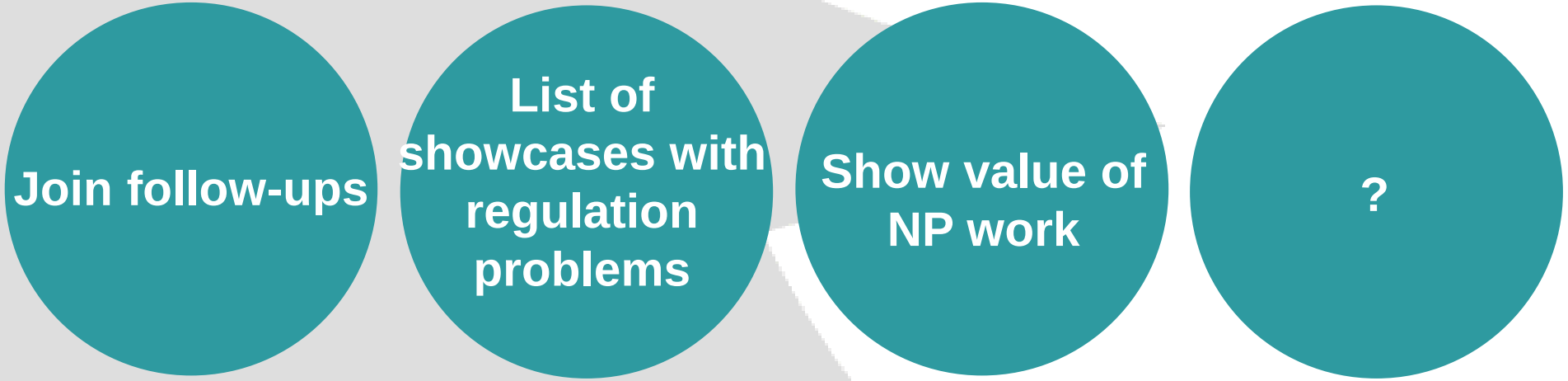
Circular vs sustainable

Biomass and nutrients

Energy and biomass

Ashes

4. Next steps of Nutrient Platform



Sustainable circular nutrient cycles

Circular nutrient management includes many many stakeholders from different sectors, including from the biomass sector

As small as possible, as big as needed!

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