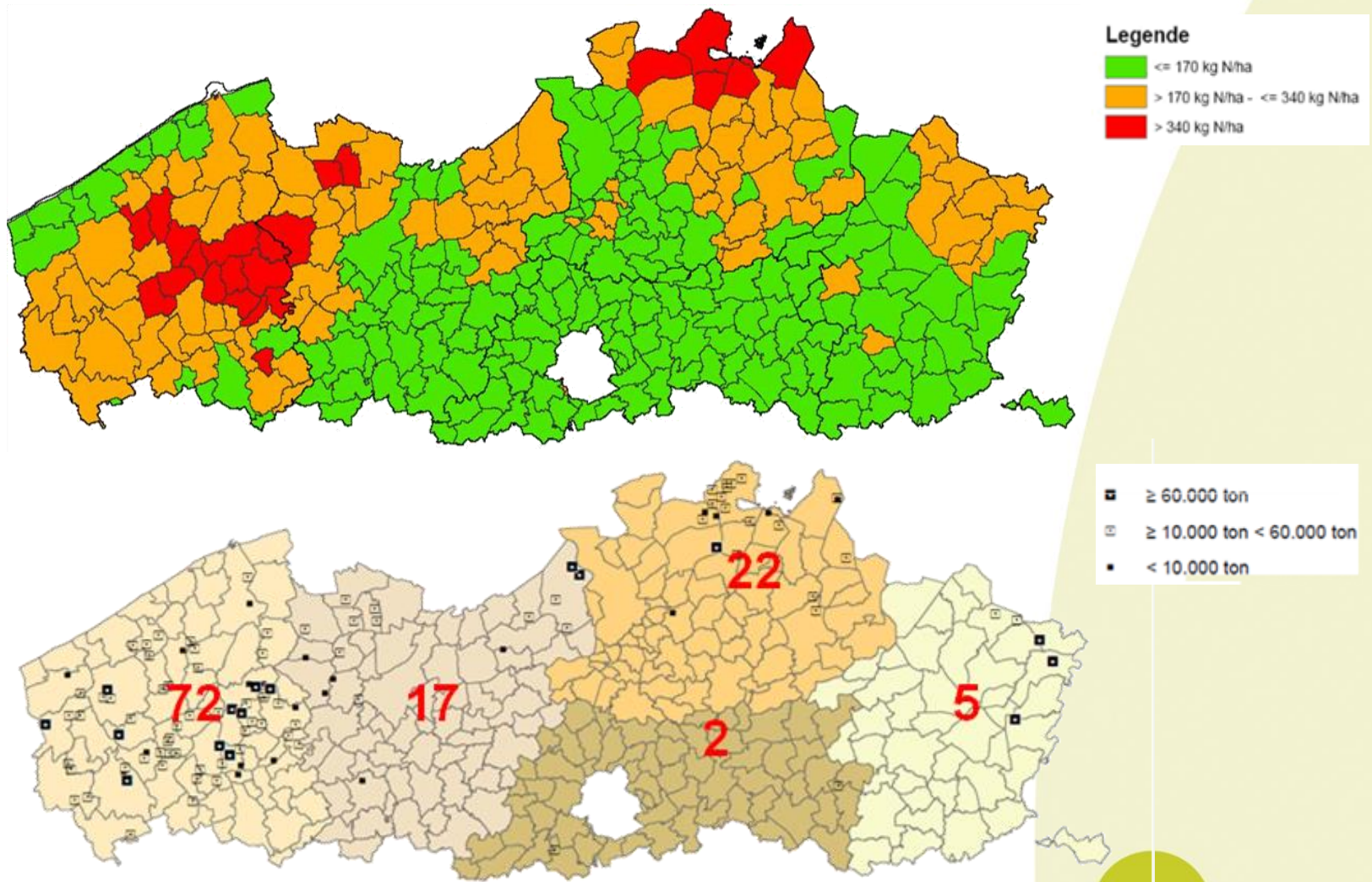


# Manure processing obligation

- Amount to be processed
  - Animals – arable land = N surplus (farm specific)
  - Production of N in farmer's municipality
- Processing = no more N on Flemish agricultural soil
  - Export of N
  - Conversion to N<sub>2</sub>
  - Conversion to artificial fertiliser
  - Use on non-agricultural soil

# > 120 installations



# Techniques applied

Pig slurry/cattle slurry/digestate

Centrifuge/Screw press/Sieve belt press

Poultry manure

Solid fraction

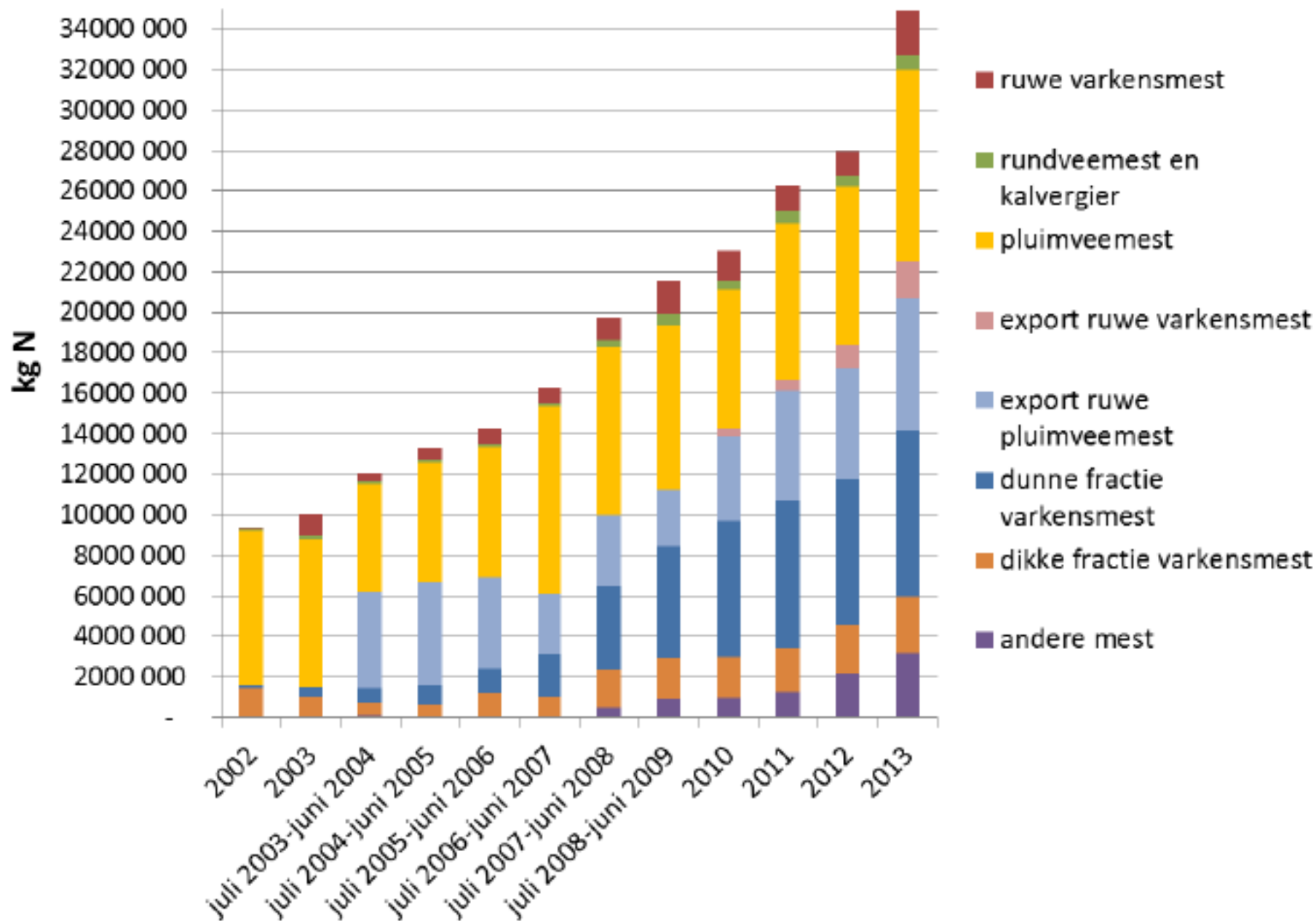
Liquid fraction

- Composting (+ air scrubber)
- Drying (+ air scrubber)
- Liming (+ air scrubber)

- Nitrification/denitrification
- Liming (+ air scrubber)
- Ammonia stripping (+ air scrubber)

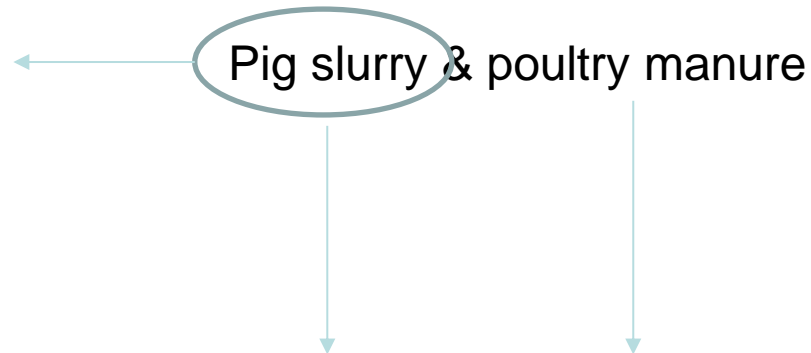
*Post treatment:*

- Evaporation
- Membrane filtration
- Constructed wetlands



# What about P?

Liquid fraction:  
N is converted into N<sub>2</sub>



- Composted mix of SF pig slurry & poultry manure
- Limed SF of pig slurry
- Granules of poultry manure
- Raw/dried poultry manure

P & C are exported!!!

