Dutch P flows (2008): Import 115 mill. kg P

Source: De Buck et al., 2012
Phosphate and Phosphorus recovery from manure

- Communal waste water
- Effluent (waste water treatment plant)
- Pig slurry
- Agricultural land
- Phosphate fertilizer
- Phosphate ash fertilizer
- Phosphor (P4)
- Export
- P-Biochar

- Mineral concentrates
- Liquid fraction
- Biogas/CHP/residual heat
- Drying
- Dry solid fraction
- Short term
- Wet solid fraction
- Long term

- Pretreatment (N,K & P)
- SNB (sludge treatment) (incineration & energy production)
- Incineration/Biomass plant (incineration & energy production)

- Fertilizer industry (e.g. ICL Fertilizers Europe)
- P producer (THERMPHOS)
- Pyrolysis plant (BTG, ... icw ECN)

Source: Schoumans et al., 2011

Production of secondary P for industries with an existing international market
PPS: Partners Verwaarding van Mest

PARTNERS Publiek – Private – Samenwerking Fosfaatwinning uit Mest

In 2013 PPS onderdeel van Topsector AgriFood

Veel kansen worden gezien om de mestdruk te doen afnemen