

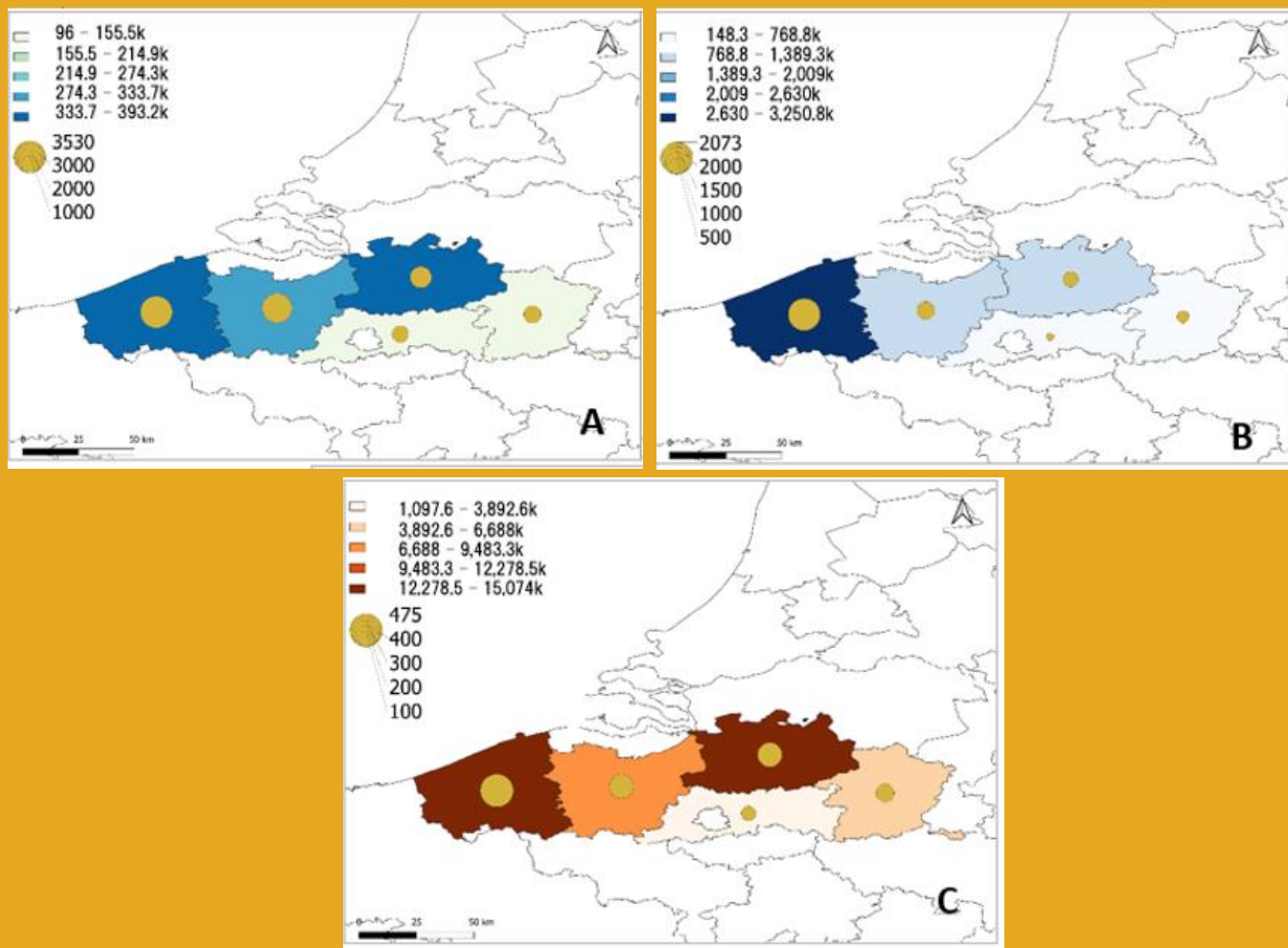


FERTIMANURE

INNOVATIVE NUTRIENT RECOVERY FROM SECONDARY SOURCES – PRODUCTION OF HIGH-ADDED VALUE FERTILISERS FROM ANIMAL MANURE

Flanders (Belgium) – Region card

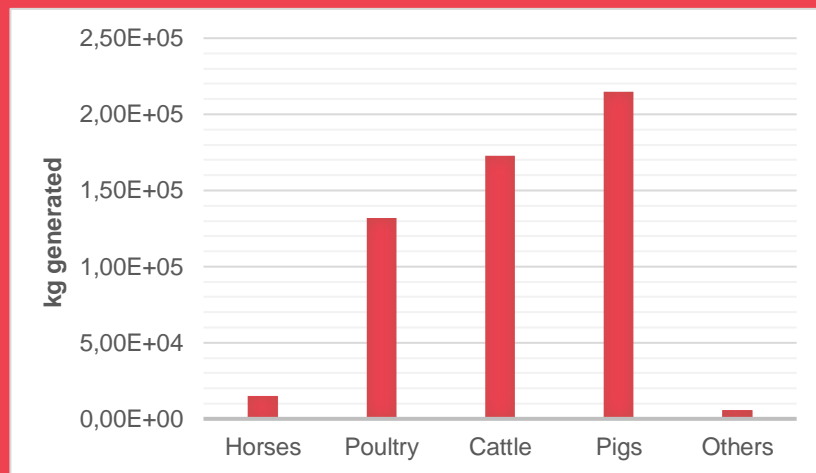
Number of animals (census) per animal type (LSU) per county (NUTS-3)



A: Beef & Dairy Cattle; B: Pigs; C: Poultry. Circles represent the number of farms.

Total gross production of Nitrogen in terms of total kg N per animal type

Pig farming is economically speaking still the most important activity within the agricultural and horticultural sector of Flanders. Cattle pigs and poultry gross production nitrogen ranges are similar. The distribution differs between provinces (NUTS-2). Cattle and pig N productions are higher in the west, in line with the higher animal production in these areas.



Manure management

Type of treatment	Equipment used	Cost
Separation	Centrifuge	1.47 - 3.17 €/m ³
	Screw press	0.64 - 1.44 €/m ³
Drying	Air dry system + air washer	20.2 €/m ³
Precipitation	CAFR-process	18.3 €/m ³
Stripping	SMELOX-installation	4.5 - 5 €/m ³
Composting	Extensive	6.5 €/ton

Manure transport costs

Transport type	Type of matter	Hourly cost	Cost per km
Transport truck (volume not specified)	Liquid	0.18 euro/km.m ³	10 (disposal costs)



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