

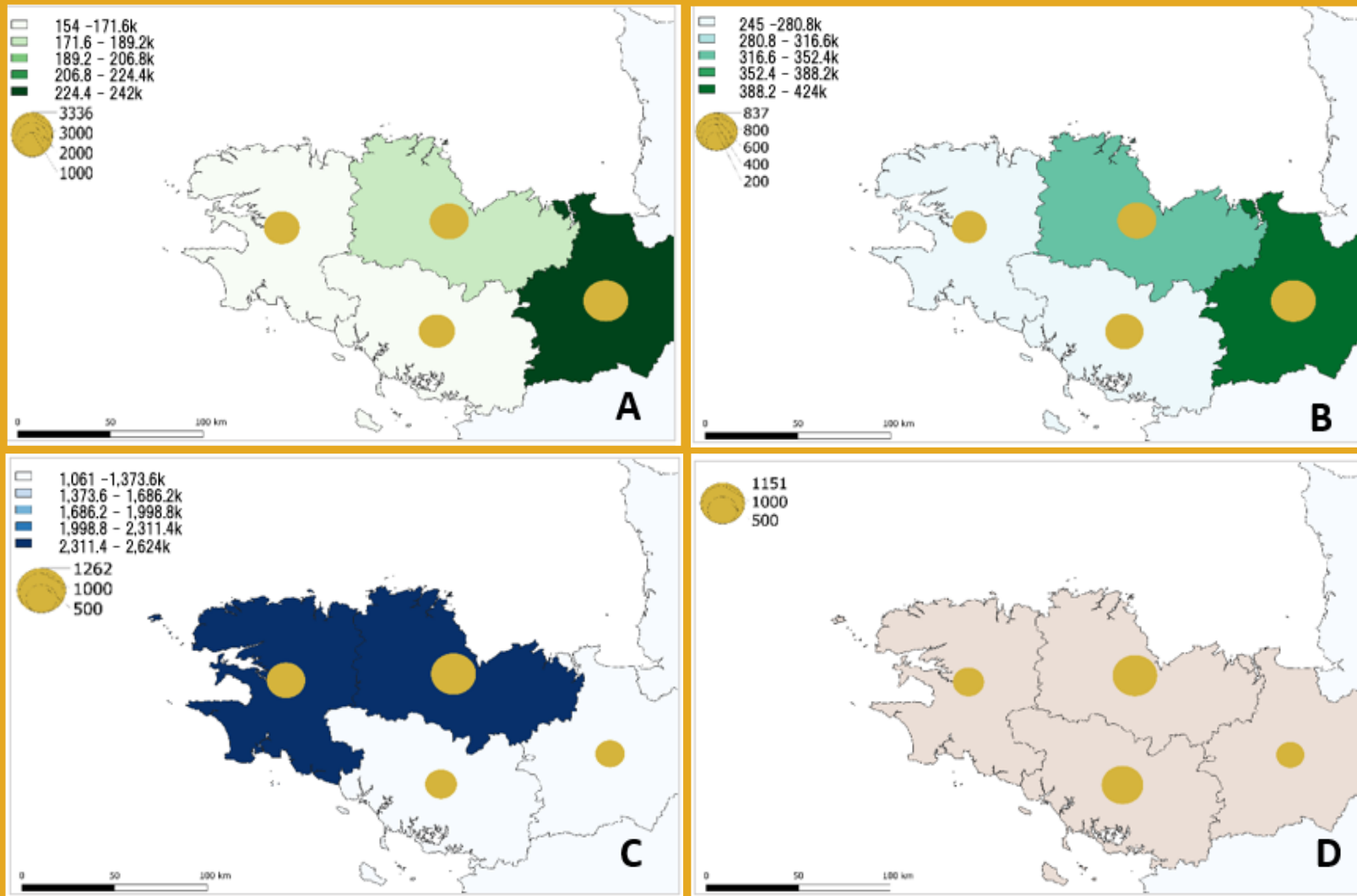


# FERTIMANURE

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

## Brittany (France) – Region card

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



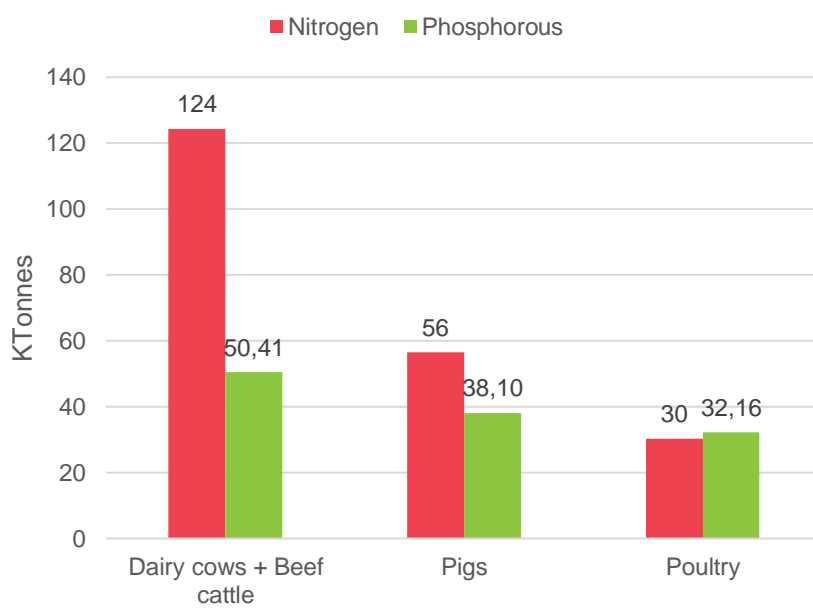
A: Dairy cows, B: beef cattle, C: pigs, D: poultry (no data available in number of animals). Numbers are in thousands. Circles represents the number of farms.

### Total quantities of nutrients (N and P) generated per animal category

In Brittany, livestock breeding is the main activity: 58% of French pork and 1 out of 3 French chickens are produced in Brittany. Due to its high livestock density this region has the highest nitrogen and phosphorus levels in France.

Besides wheat and maize for livestock feeding Brittany is the leading region for vegetable production (mainly cauliflower, artichoke, shallot, spinach and tomato).

Brittany has been designated as a nitrate vulnerable zone. Improving manure processing is the preferred strategy for dealing with the high quantity of manure produced.



### Manure transport costs

Transport type	Type of matter	Hourly cost	Cost per km
18 ton truck	Liquid	20 euros	4 € (<30 km)
			3.4 € (40<x<60km)
			2.2 € (80<x<100 km)
Spreader 14-16 m <sup>3</sup>	Solid	20 euros	3-6 €



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