

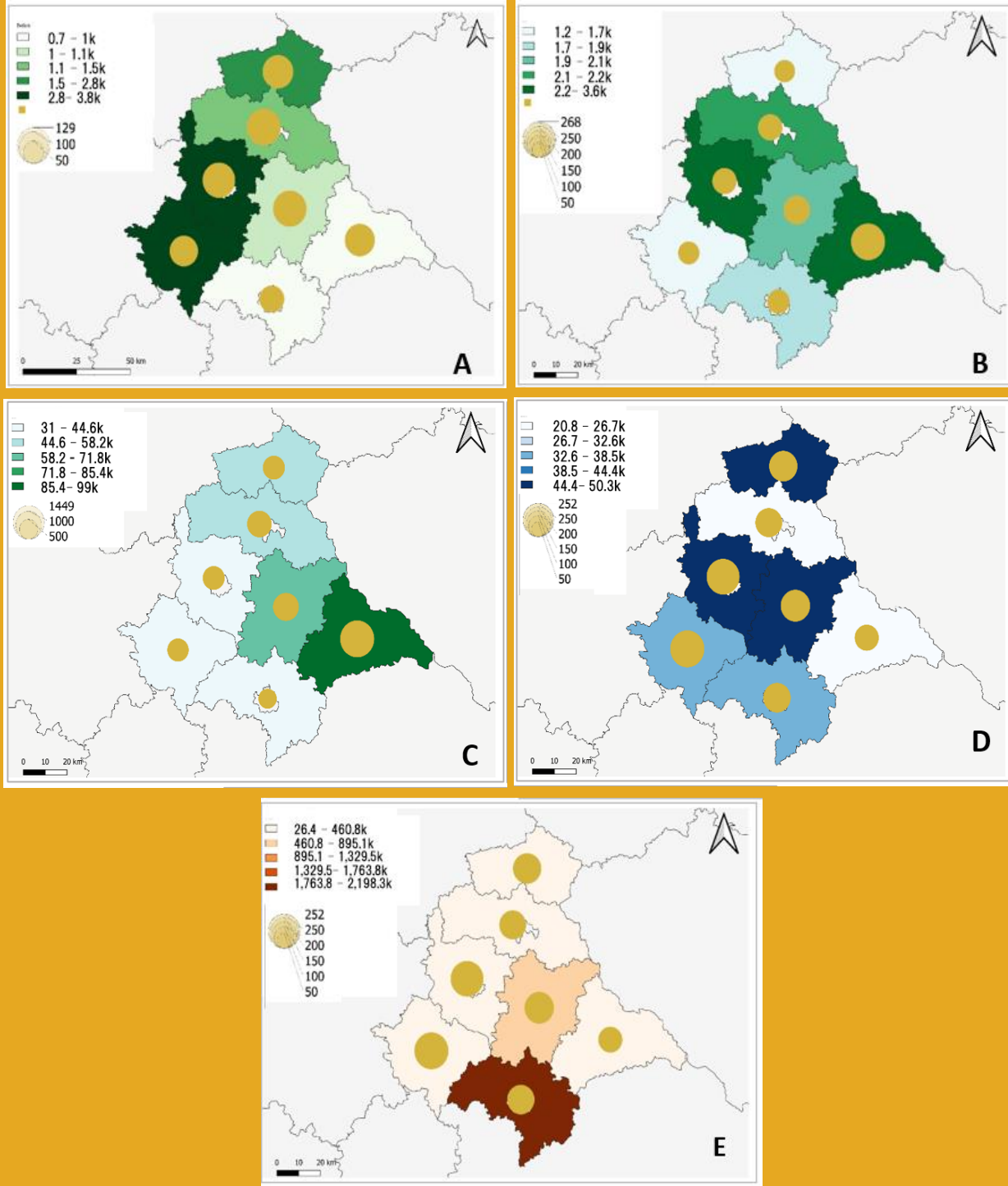


FERTIMANURE

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

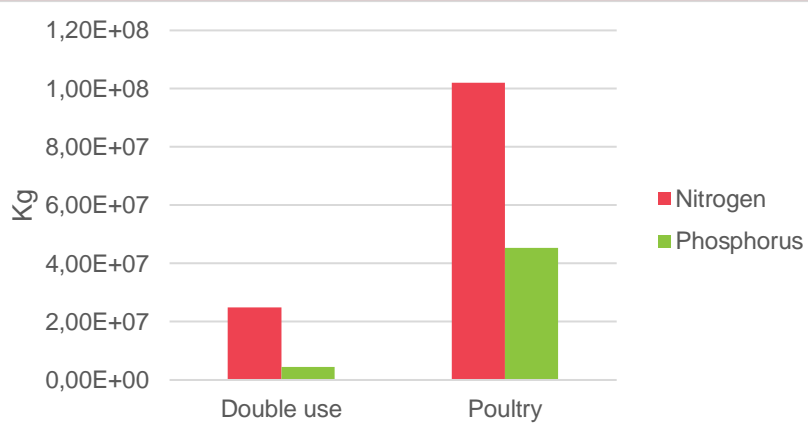
Oberpfalz (Germany) - Region card

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



A: Dairy cows; B: Beef cattle; C: Cattle double use (dairy & beef); D: Pigs; E: Poultry. Circles represents the number of farms

Total quantity of nutrients (N and P) generated per animal category.



Oberpfalz farming is dominated by poultry, especially in Regensburg Landkreis. Total N and P generation in Oberpfalz are highly influenced by the impact of poultry. There are important differences between N and P values in the nutrient generation of double use cattle and poultry.

Manure transport costs

Transport type	Type of matter	Hourly cost	Cost per km
18 m ³ truck + spreader	Liquid manure	95 euros	Var. 1.33 €/m ³ *km
			Fix. 1.98 €/m ³
13 t truck + spreader	Solid dung	75 euros	Var. 2.50 €/m ³ *km
			Fix. 3.61 €/m ³

Manure management

Type of treatment	Equipment used	Cost
Digestion	Biogas plant	Zero cost or recovery of transport cost
Separation (not widely applied)	Screw press	0.36 to 1.50 €/m ³



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