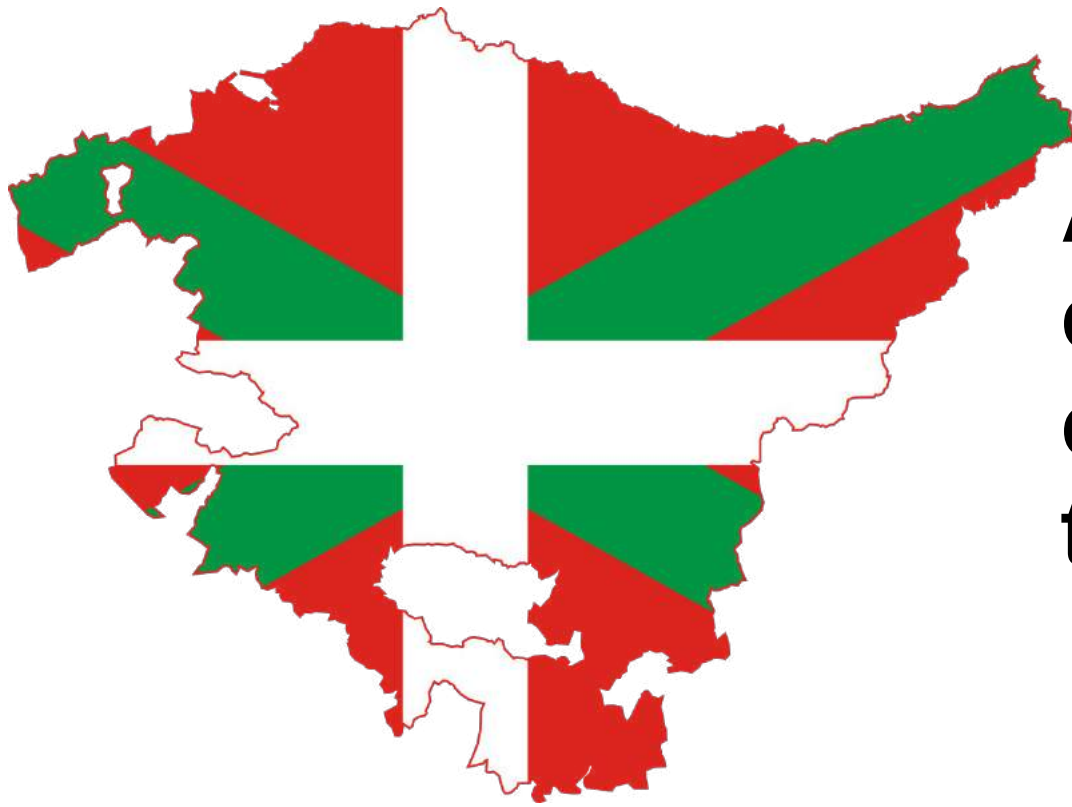




9th IWA **ODOURS**
& **VOC/AIR EMISSIONS**
CONFERENCE

Economic Impact of the lack of Odour Management

Rebecca Kavanagh
26th October 2021



Assessing the cost of not regulating odour emissions in the Basque Country

Influencing factors:

- *The decrease in the property value affected by odour impact*
- *The economic impact on public health.*

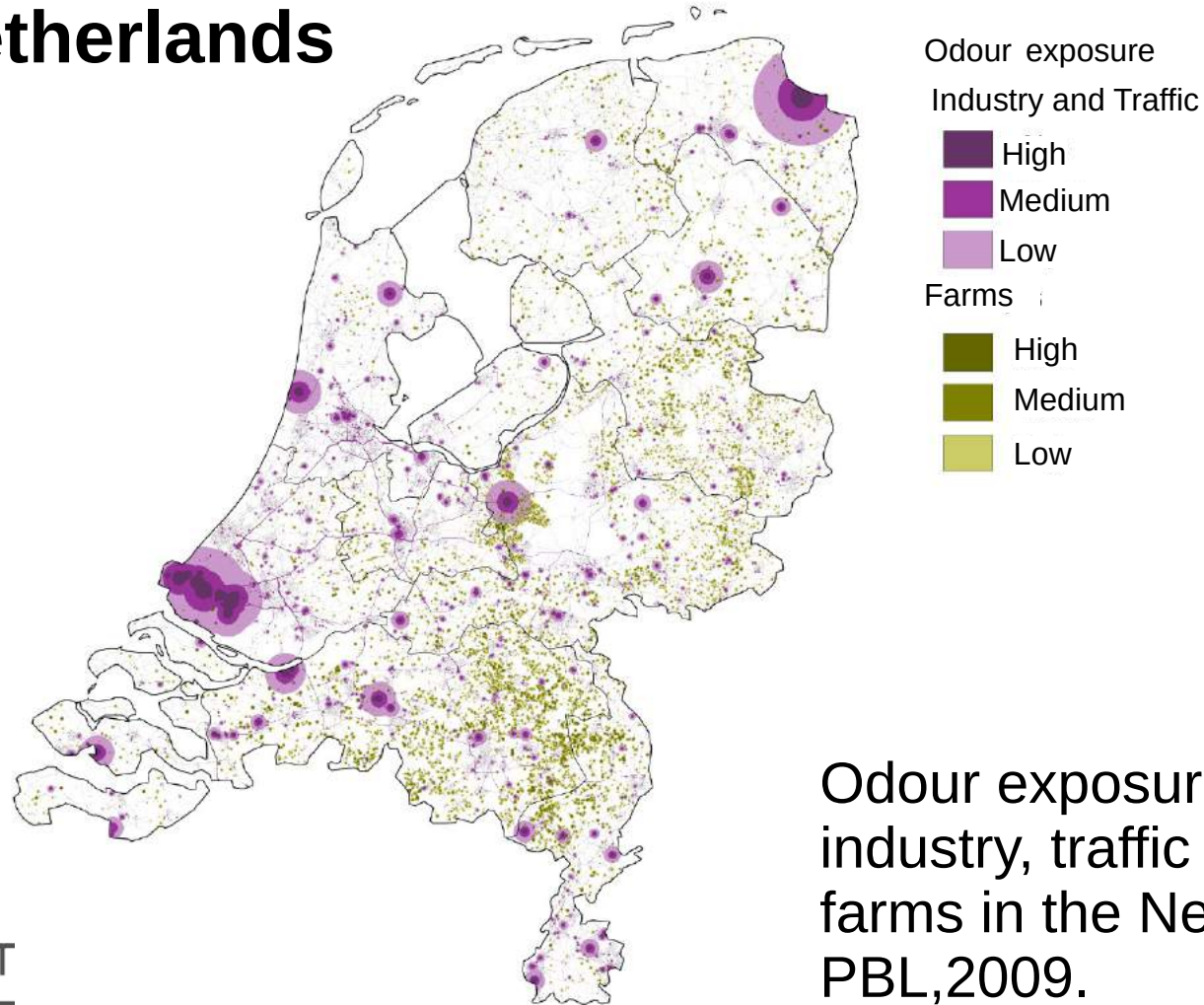
Location of industrial activities subject to EIA in the Basque Country



Area of Influence Classification

Activity	Emission target value (98th percentile of hourly averages over one year)	Area of influence of odour impact	
		Severe Impact	Moderate Impact
“Very Annoying”	3 ou _E /m ³	300 m	600 m
“Annoying”	5 ou _E /m ³	200 m	400 m
“Slightly Annoying”	7 ou _E /m ³	100 m	200 m

Odours in the Netherlands



Odour exposure from industry, traffic and livestock farms in the Netherlands, PBL, 2009.

Area of influence of odour



Area of influence of odour



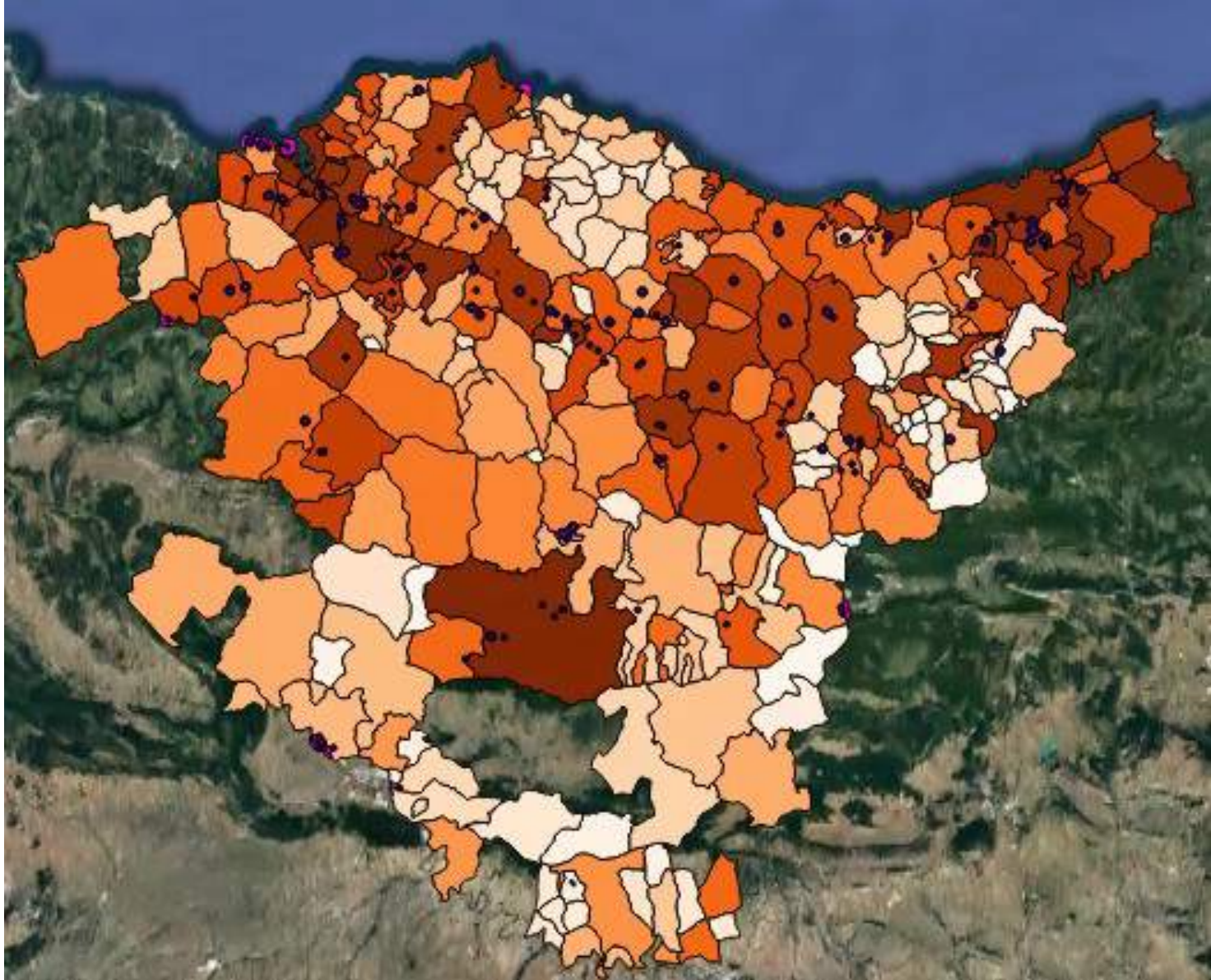
Area of influence of odour .



Area of
influence of
odour

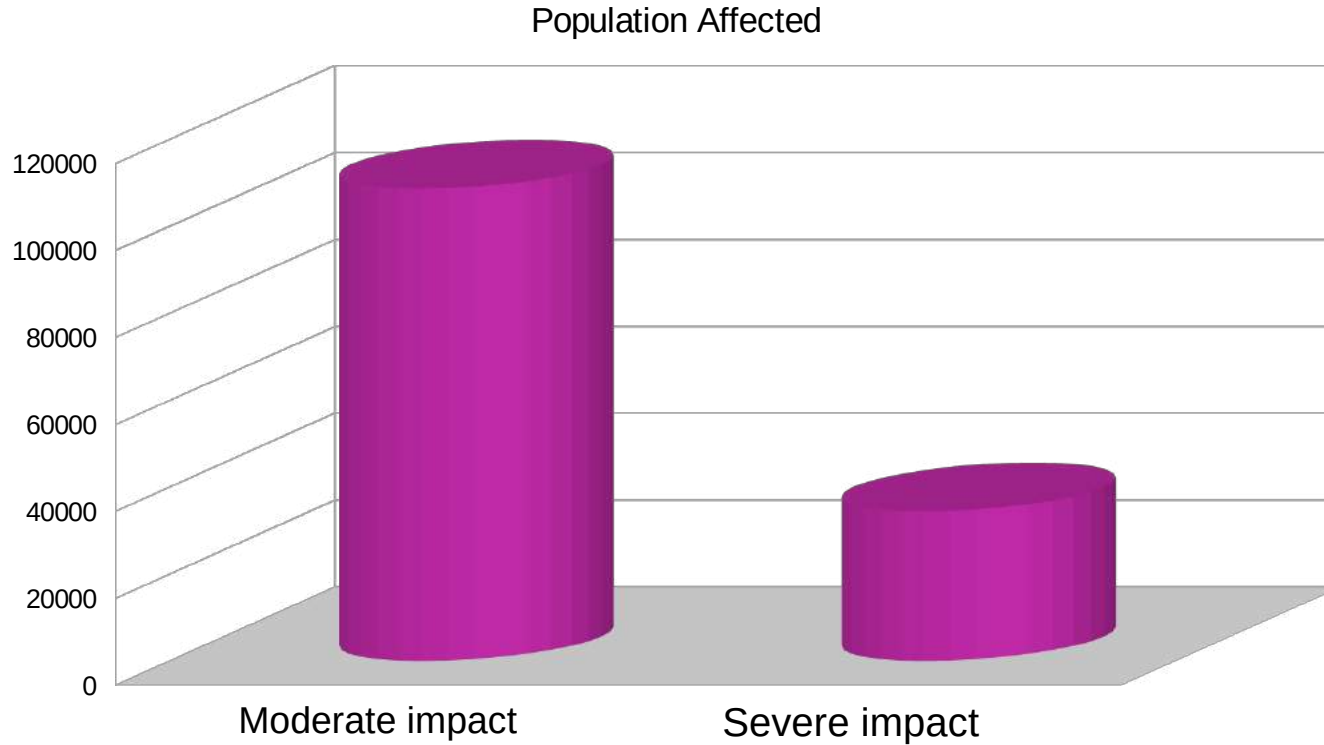


Number of inhabitants by municipality.



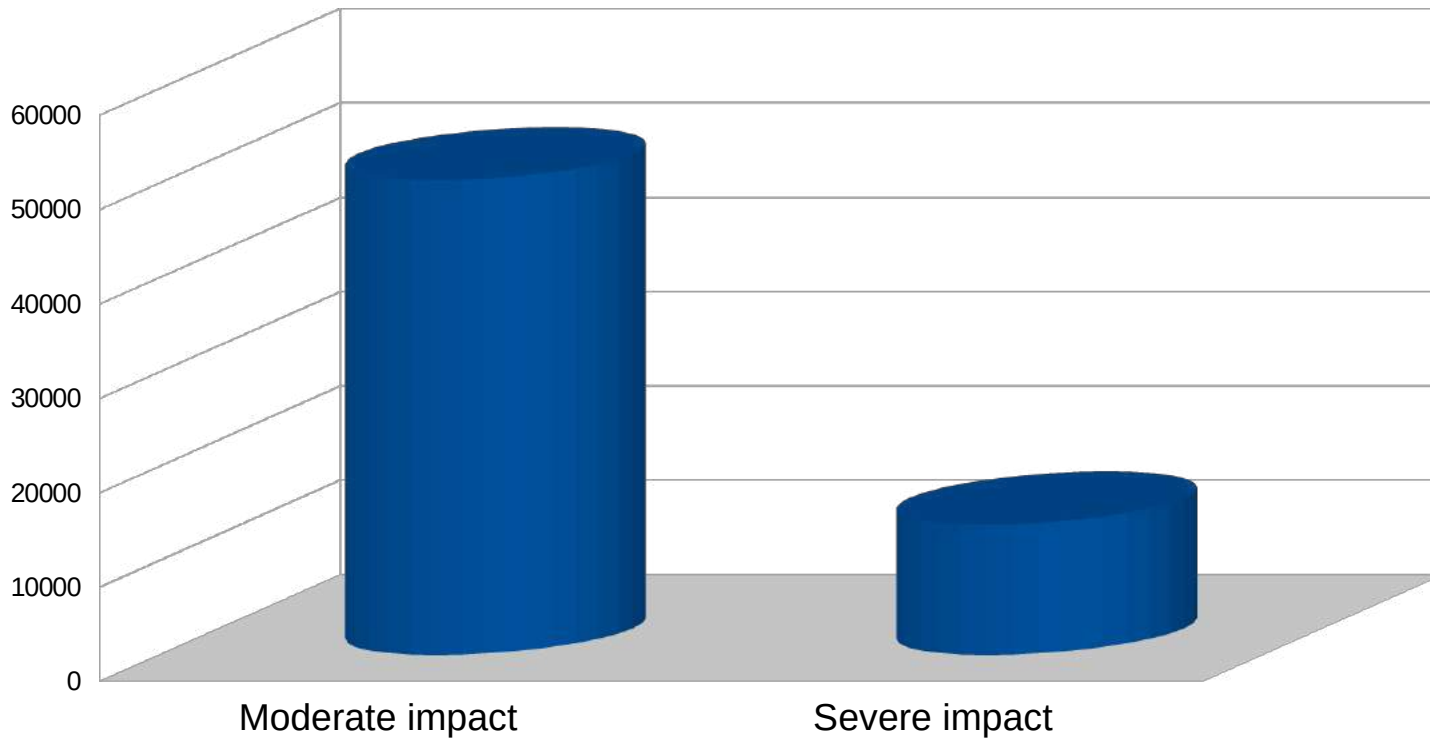
AMBIENTE ET
— ODORA S.L. —

Let's talk about numbers. .



378 and 1180 million euros on the devaluation of houses

Number of dwellings affected



Odour Impact on Public Health in the Basque Country

Extrapolated from a Finnish study regarding diseases caused by odorous emissions from industry on the population.

Excessive expenditure for odour fever caused by odours in people is highlighted, reaching a value of 3.2 million euros in the severe area of influence and 12.08 million euros in the moderate area of influence.

Thank you for your time and attention!

Questions?



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