



12 a 14 de dezembro de 2023

5.º ENCONTRO NACIONAL DE
LIMPEZA URBANA
& URBAN CLEANING EXPO

AUTÓDROMO DO ESTORIL, ESTORIL | CASCAIS

LIMPEZA URBANA AO SERVIÇO DAS PESSOAS E DOS TERRITÓRIOS



LIMPEZA URBANA
Parceria para Cidades
+ Inteligentes e Sustentáveis

CASCAIS
Tudo começa nas pessoas



Canine genetic
census (DNA).
The experience
of the city of
Malaga.
2017-2023

Background and important considerations.

2011 First proposals by the opposition

October, 2015, following the **necessary technical and legal reports**, the City Council, **unanimously approved** the creation of a canine census by genetic profile, with the following text:

- 1.- The Malaga City Council will carry out a **mandatory canine census based on DNA** genetic profiles **in collaboration with the Veterinarians' Association**, in compliance with national and Andalusian regulations on animal ownership.
- 2.- The Environmental Sustainability Area will make the appropriate **changes in the current Municipal Ordinance on the Ownership of Pets** in order to normatively adapt the obligation to include in the dog registry or census, the genetic profile or DNA of the animal.
- 3.- That the Malaga City Council allocate a **budget to subsidize the procedure** according to objective criteria defined by the Animal Welfare Board.



Conditions and requirements for effective implementation

For the system to work, as close as the total of existing dogs as possible **NEED TO BE IDENTIFIED**. This is achieved through these requirements.



Effective genetic identification

Identifying veterinarians and, ideally, their association, need to be involved 100%. Specially in large cities.

Communication campaigns

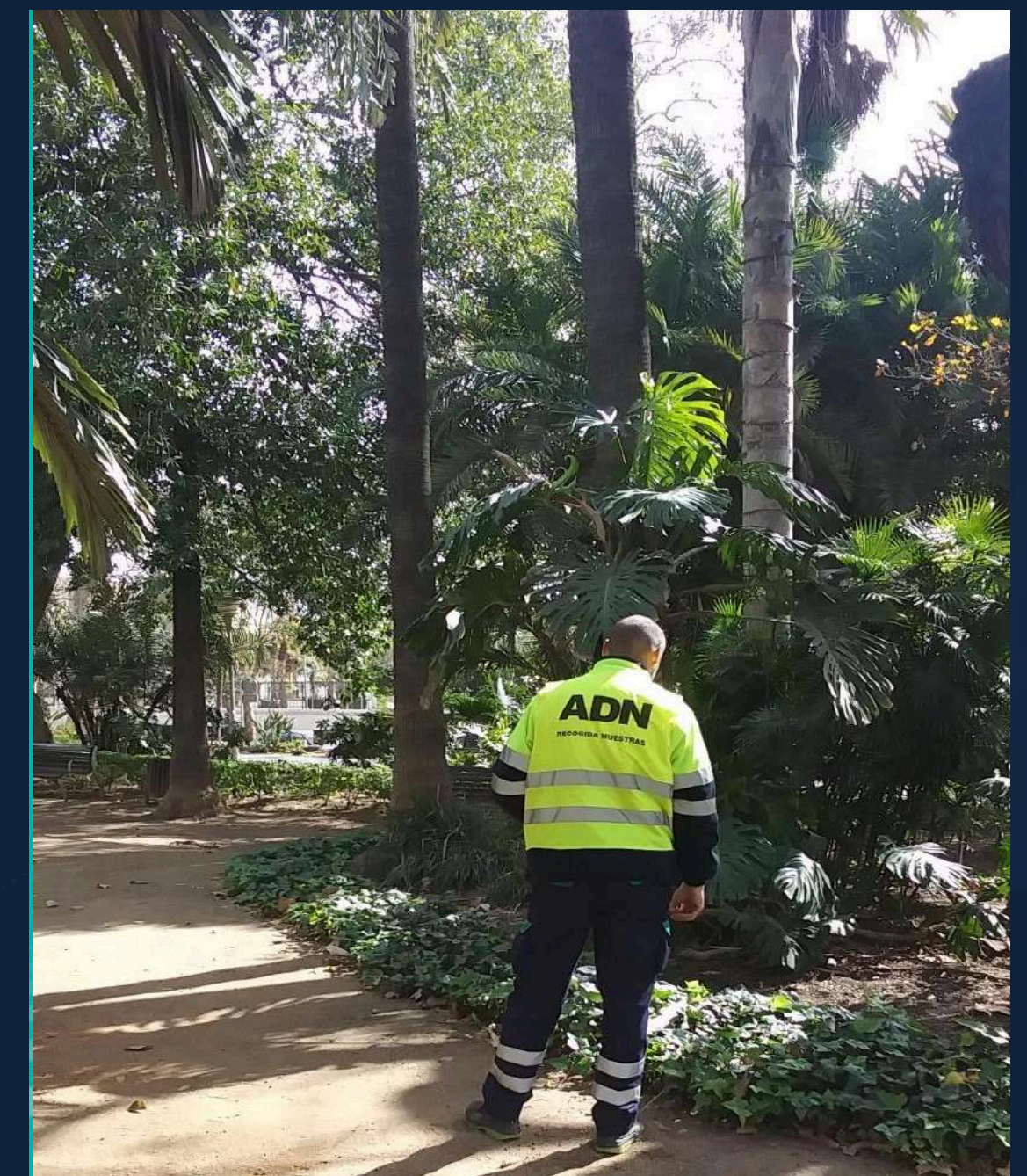
Dog owners and their veterinarians need to be informed, so information campaigns and materials are important.

Local Police controls

Local police must carry out regular and frequent checks throughout the city, confirming the genetic identification of dogs.

Sanctions must be imposed

For not complying with the census obligation and for not collecting excrements, once identified as offenders.



Procedure

For violations to be effectively verified and sanctions to be imposed, without room for appeals or legal retort, the **traceability** of the entire sample collection process and chain of custody must be ensured.

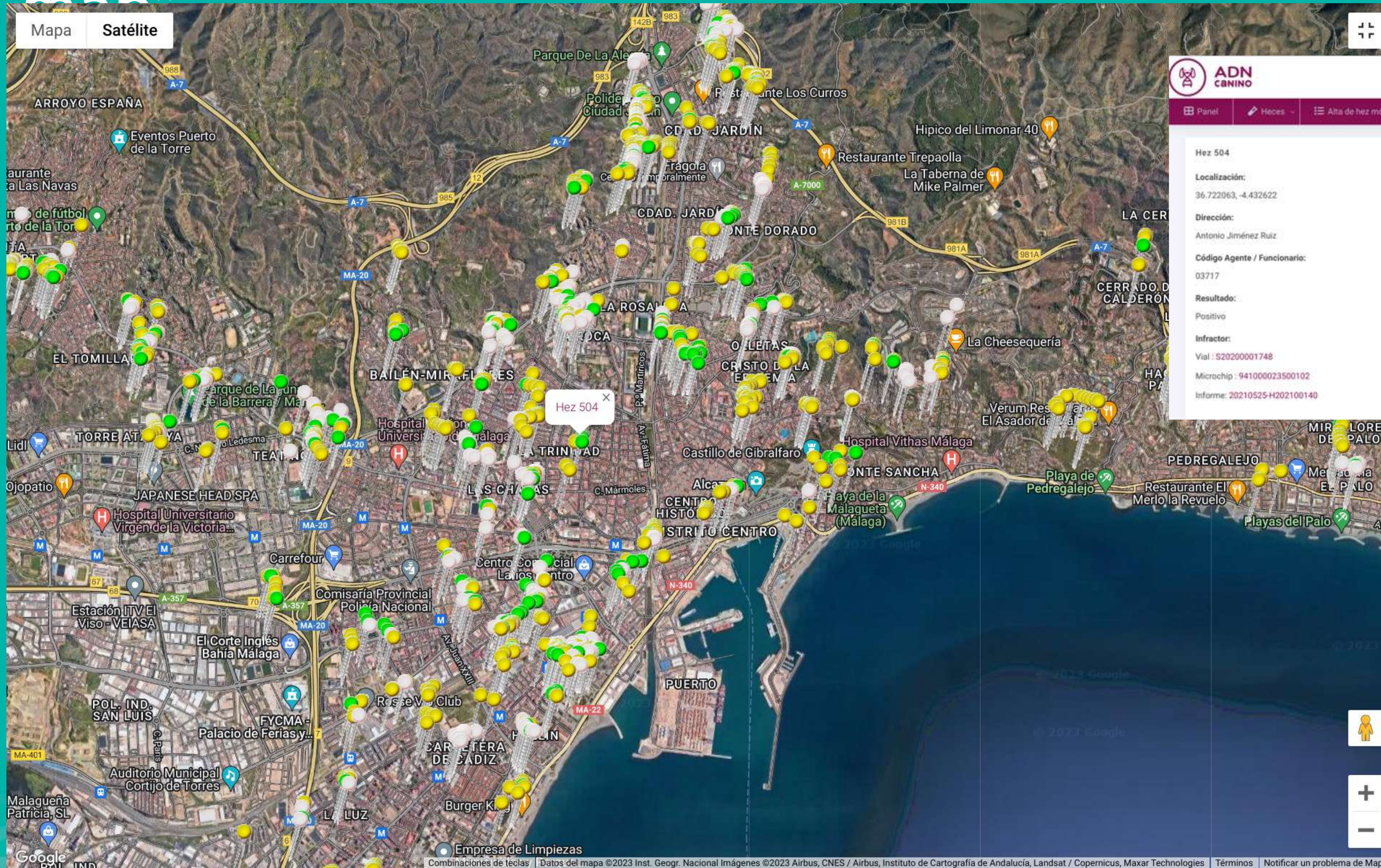


The external operator takes the excrement sample and the municipal official draws up a record of it, taking a photograph, sample vial number and exact geolocated location.

All the information goes into the “poop



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ADN CANINO

Luis Medina Málaga

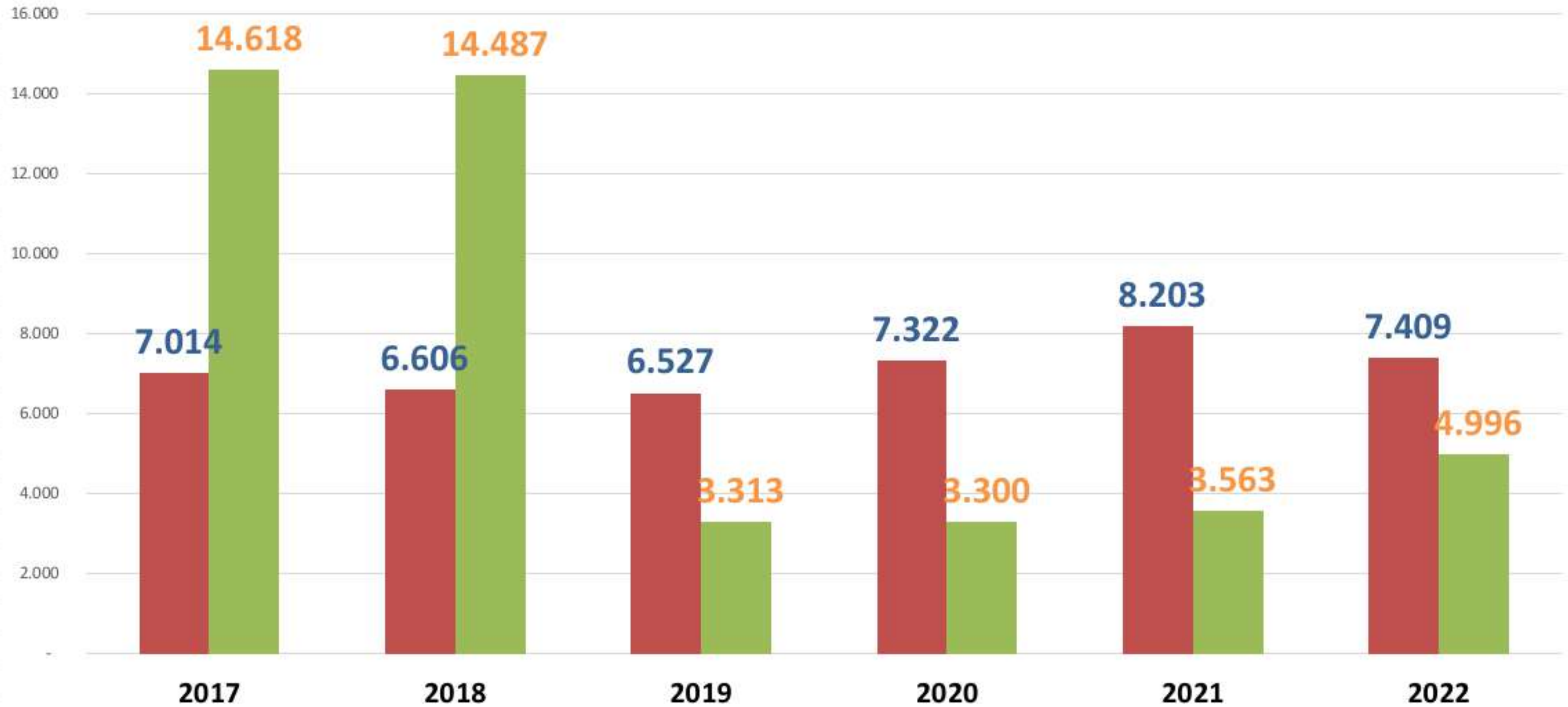
Panel | Heces | Alta de hez móvil | Alta de hez | Animales | Animales Precargados | Logística | Salir

Hez 504	Vial Usado (Envío- Vial): H202100140
Localización: 36.722063, -4.432622	Vale usado: HEZVYAS15AS7YK
Dirección: Antonio Jiménez Ruiz	Tipo alta: Móvil
Código Agente / Funcionario: 03717	
Resultado: Positivo	
Infraactor: Vial : S20200001748	
Microchip : 941000023500102	
Informe: 20210525-H202100140	



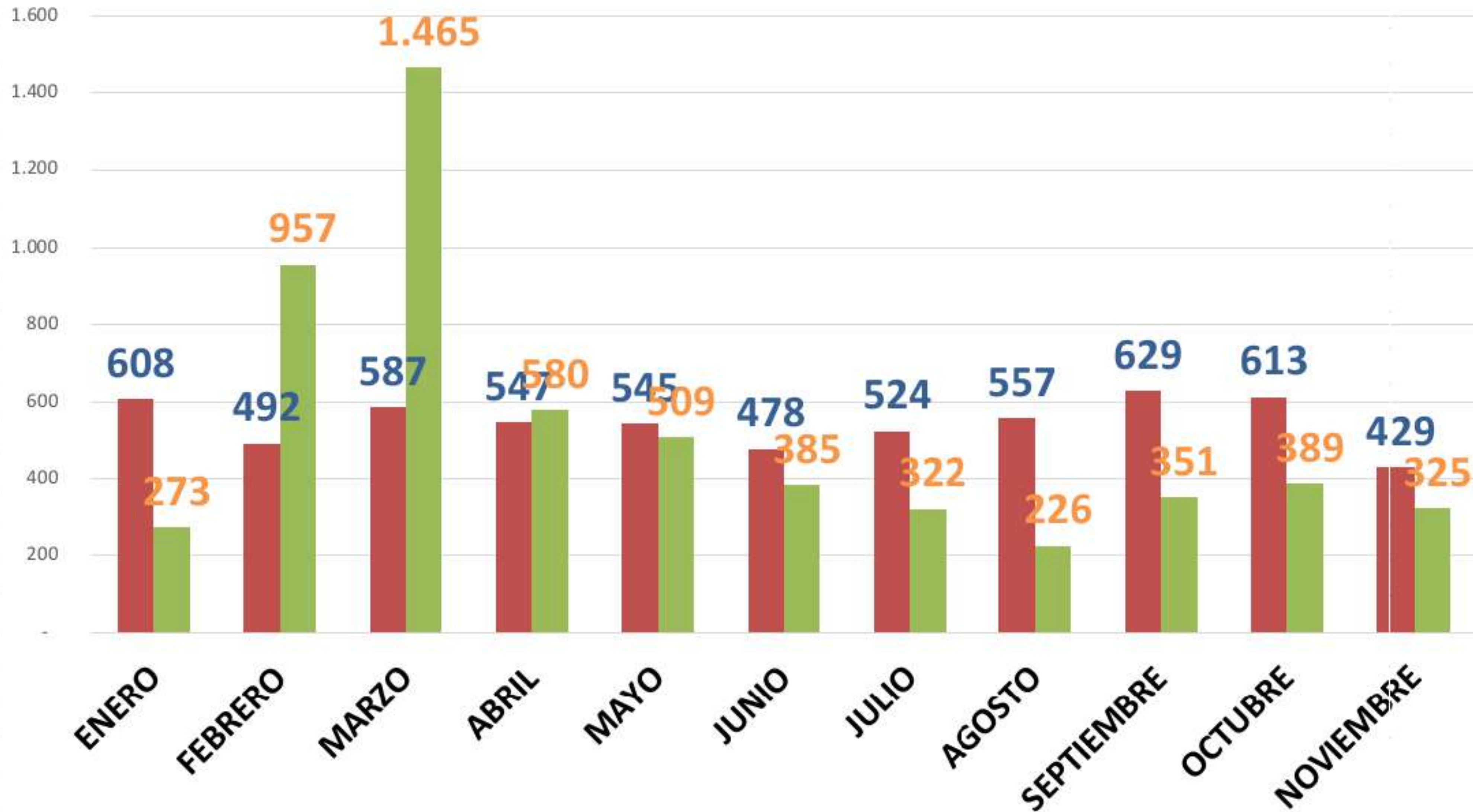
HISTÓRICO ALTAS EN RAIA Y CENSO ADN

■ ALTAS EN RAIA ■ ALTAS EN CENSO ADN



2023 ALTAS EN RAI A Y CENSO ADN

■ Altas en RAI A ■ Altas en censo ADN



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	DATOS ANUALES			Policía Local						Area Sostenibilidad		
				Recogida de excrementos			Censado genético (ADN)			Identificación ADN en muestras		
Año	ALTAS EN RAI A	ALTAS EN CENSO ADN	Ratio	Controles realizados	Actas/sanción por no recogida	% sobre controles	Controles realizados	Actas/sancion por no censado	% sobre controles	Muestras tomadas	Positivos con Sanción	% sobre muestras
2017	7.014	14.618	108%	1.111	389	35%						
2018	6.606	14.487	119%	1.243	224	18%		554		384	57	15%
2019	6.527	3.313	51	1.384	188	14%	1.149	526	46%	331	74	22%
2020	7.322	3.300	45	704	92	13%	2.778	416	15%			
2021	8.203	3.563	43	2.051	166	8%	3.624	596	16%	350	52	15%
2022	7.409	4.996	67	1.845	142	8%	2.608	311	12%	332	37	11%
2023	6.009	5.782	96	1.661	101	6%	1.984	277	14%	237	30	13%
Total	49.090	50.059		9.999	1.302	13%	12.143	1.849	15%	715	131	18%
Promedio año	7.180	7.380										





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2023				Policía Local						Sostenibilidad Medioambiental						
				Recogida de excrementos			Censado genético (ADN)			Identificación ADN en muestras						
Mes	Altas en RAlA	Altas en censo ADN	Ratio	Controles realizados <small>28034</small>	Actas/Sanción por no recogida <small>27018</small>	% sanciones	Controles realizados <small>23097</small>	Actas/Sanción por no censado <small>23074</small>	% sanciones	Muestras tomadas	NO GEN	%	Negativo	%	Positivo/Sanción	%
ENERO	608	273	45	192	14	7%	252	26	10%	0	0		0		0	
FEBRERO	492	957	95%	246	20	8%	276	66	24%	51	0	0%	48	94%	3	6%
MARZO	587	1.465	150%	261	26	10%	324	41	13%	40	1	3%	33	83%	7	18%
ABRIL	547	580	6%	200	8	4%	235	40	17%	20	9	45%	9	45%	3	15%
MAYO	545	509	93	259	11	4%	375	54	14%	14	2	14%	12	86%	0	0%
JUNIO	478	385	81	243	7	3%	262	31	12%	40	5	13%	32	80%	3	8%
JULIO	524	322	61	136	12	9%	113	11	10%	42	4	10%	31	74%	7	17%
AGOSTO	557	226	41	124	3	2%	147	8	5%	19	2	11%	11	58%	6	32%
SEPTIEMBRE	629	351	56			#¡DIV/0!			#¡DIV/0!	11	1	9%	9	82%	1	9%
OCTUBRE	613	389	63			#¡DIV/0!			#¡DIV/0!			#¡DIV/0!		#¡DIV/0!		#¡DIV/0!
NOVIEMBRE	429	325	76			#¡DIV/0!			#¡DIV/0!			#¡DIV/0!		#¡DIV/0!		#¡DIV/0!
DICIEMBRE			#¡DIV/0!			#¡DIV/0!			#¡DIV/0!							
TOTAL	6.009	5.782	-4%	1.661	101	6%	1.984	277	14%	237	24	10%	185	78%	30	13%
Promedio mes	546	526	Estimación importe Sanciones		21.917,00 €			60.109,00 €		8.295 €						6.510,00 €
										Coste municipal						TOTAL SANCIONES AÑO
																408



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