

LIFE Egyptian Vulture Project

Final Conference

19-20-21 September 2023

**MONITORING AND MITIGATION OF HUMAN
DISTURBANCE TO THE EGYPTIAN VULTURE IN THE
CANARY ISLANDS**



e-distribuzione



e-distribución



REGIONE PUGLIA



REGIONE BASILICATA

2018

Intensive monitoring 11 breeding territories.

Identification of activities causing disturbance.

Determination of critical areas and periods for the EV.

Evaluation of the effect of disturbances and disturbances on breeding success.



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Monitoring protocol:

The schedule of visits, in the morning shift from 7:00 to 15:00, and every three weeks, between 15:30 and 19:00/21:00.

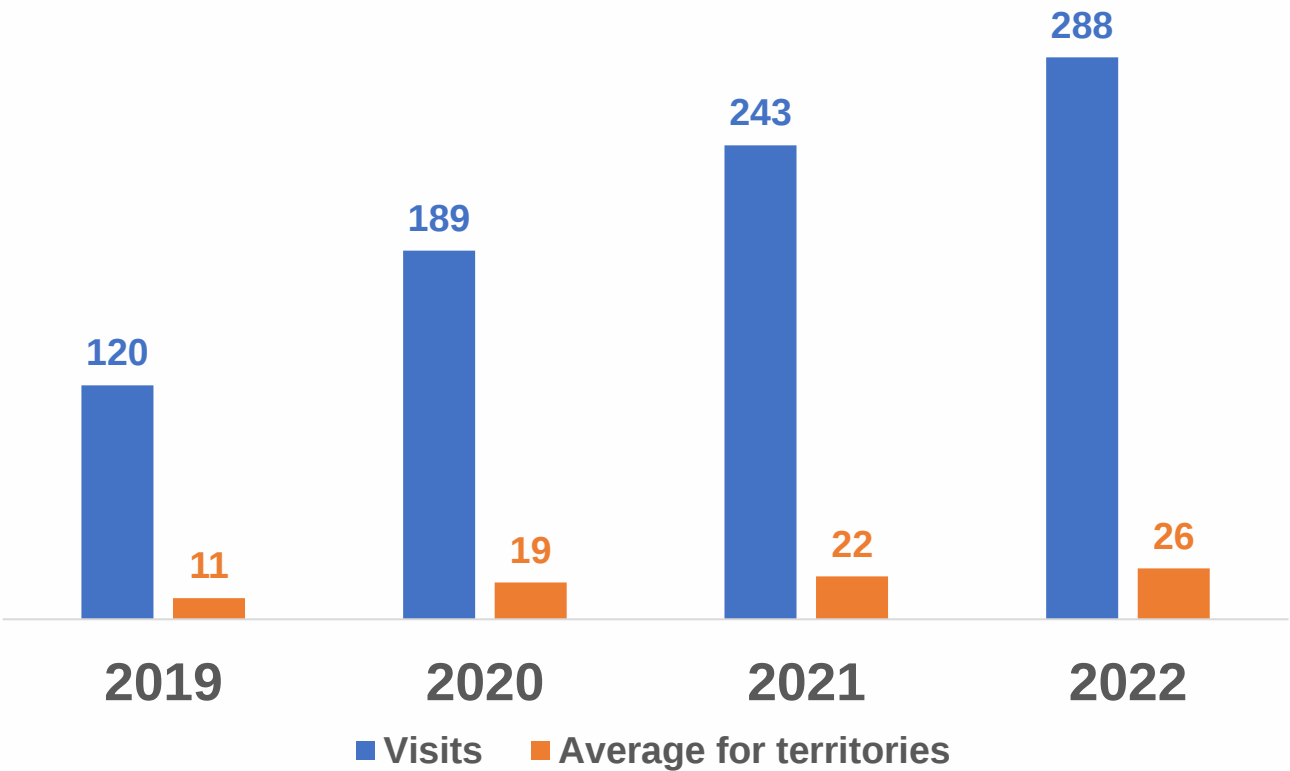
The study is divided into 5 phases:

- 1- Non-reproductive phase (mid-August-December),
- 2- Pre-breeding phase (January - mid-March approximately).
- 3- Reproduction/Incubation phase (March-April).
- 4- Hatching phase/1st month chicks (end of April - beginning of June).
- 5- 2nd month phase/Feathered chicks (June - July).

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Visits to Territories



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Territories	
Caldera de Arrabales	Monitoring
Caldera de Gairia	Monitoring
Guisgüey II	Foto-trapping/Monitoring
La Caldereta	Monitoring
Valle Goroy/La Muley	Monitoring
La Roseta II	Monitoring
Tenegüime	Foto-trapping/Monitoring
Tiscamanita	Foto-trapping/Monitoring
Torre I	Foto-trapping/Monitoring
Torre II	Foto-trapping/Monitoring
Valles de Ortega	Monitoring



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Unahotels Hotel MH
Matera (Italy)



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DISTURBING HUMAN ACTIVITIES



Photo-trapping: **1,014** hours of disturbances
 Monitoring visits: **197** hours of disturbances

Origen	2019	2020	2021	2022	Total
Foto-trapping	65	261	239	449	1014
Monitoring visits	19	27	45	104	195
Total year	84	288	284	553	1210

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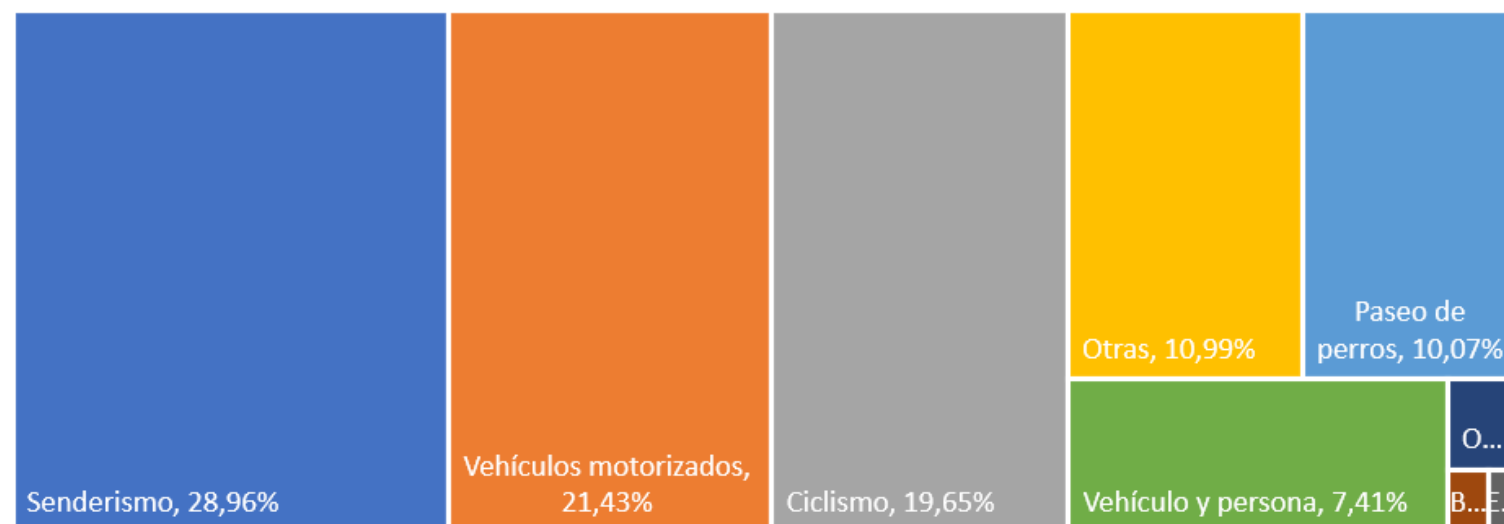
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Activities detected in the study territories

DISTURBING HUMAN ACTIVITIES

Senderismo	28,96%
Vehículos motorizados	21,43%
Ciclismo	19,65%
Otras	10,99%
Paseo de perros	10,07%
Vehículo y persona	7,41%
Obras	0,81%
Birding	0,32%
Excursiones turísticas	0,24%

Senderismo
 Vehículos motorizados
 Ciclismo
 Otras
 Paseo de perros
 Vehículo y persona
 Obras
 Birding
 Excursiones turísticas



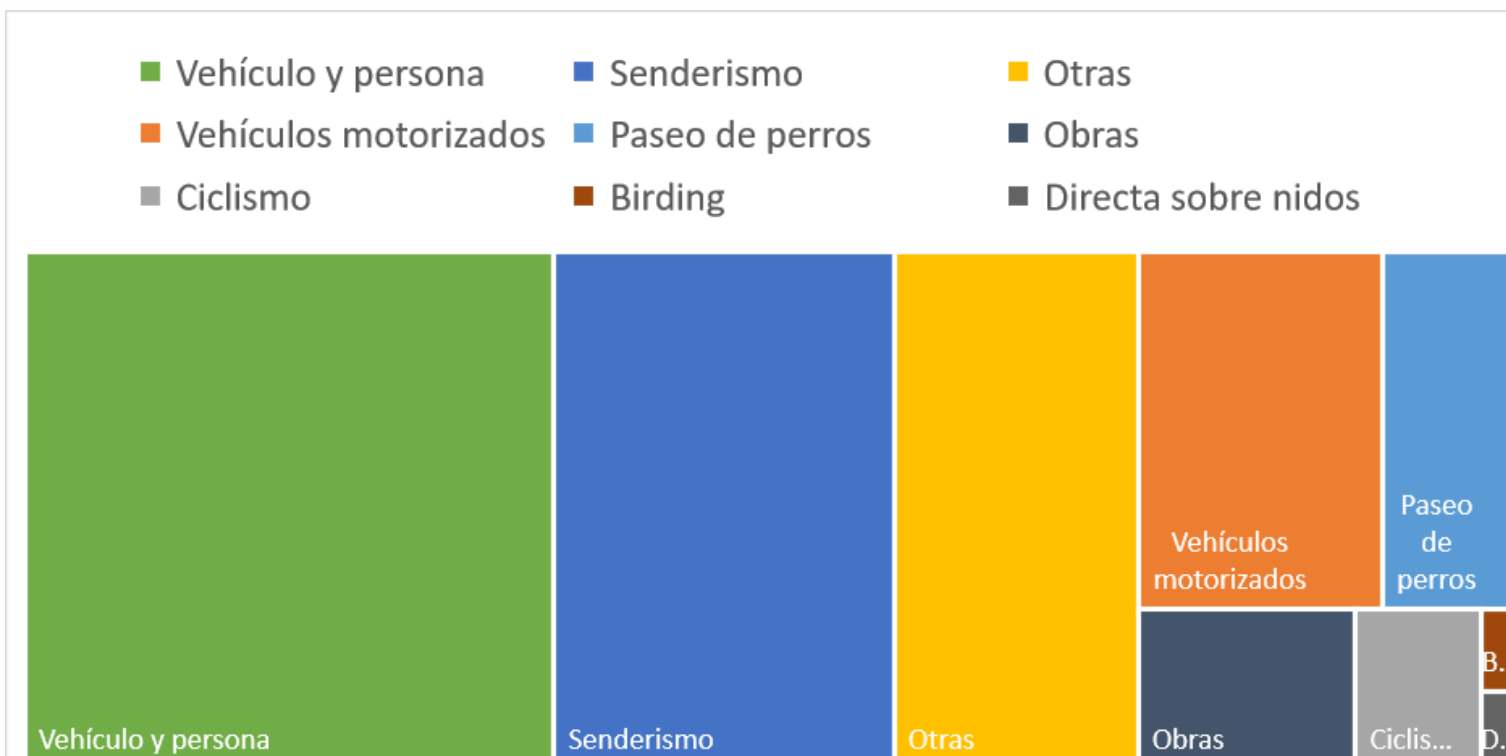
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DISTURBING HUMAN ACTIVITIES

Vehículo y persona	35,40%
Senderismo	22,78%
Otras	16,33%
Vehículos motorizados	11,29%
Paseo de perros	6,15%
Obras	4,48%
Ciclismo	2,61%
Birding	0,38%
Directa sobre nidos	0,36%

Activities detected in the territories of study by duration of the disturbance

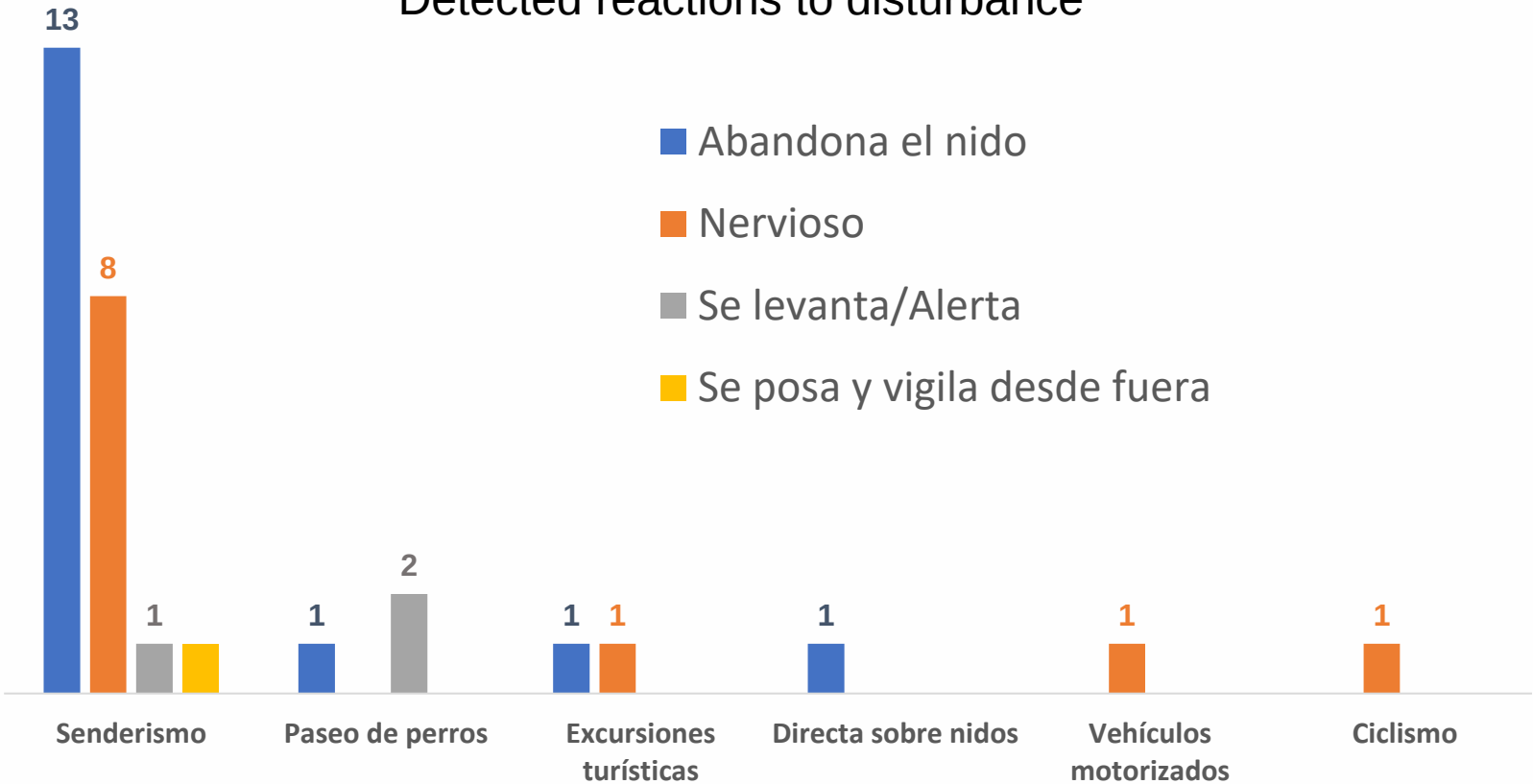


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Senderismo	623
Vehículos motorizados	401
Ciclismo	384
Paseo de perros	215
Vehículo y persona	183
Otras	179
Birding	6
Directa sobre nidos	2
Excursiones turísticas	2

Detected reactions to disturbance



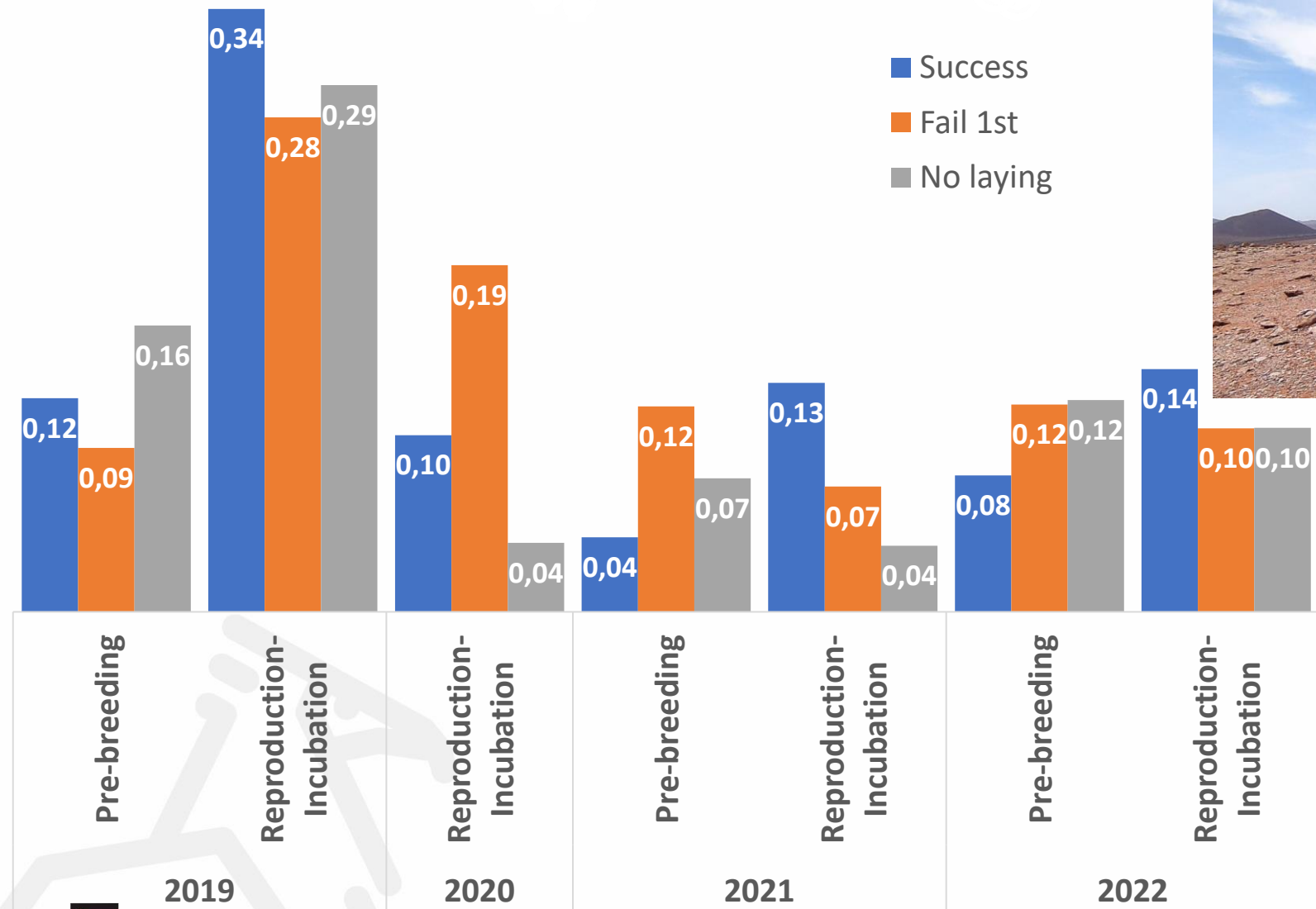
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Breeding Territories 2019-2022.

Territorios	2019	2020	2021	2022	2023
Caldera de Arrabales	Failure to lay	Success	Success	Success	Success
Caldera de Gairia	No laying	Success	Success	Success	Failure 2 lay
Guisgüey II	Success	Success	Success	Success	Success
La Caldereta	No laying	No laying	No laying	No laying	No laying
Valle Goroy/ La Muley	Success		Success	Success	Failure to lay
La Roseta II	No laying	Failure to lay	Failure to lay	Success	Failure to lay
Tenegüime	Failure 2 lay	Failure to lay	Success	Success	Success
Tiscamanita	Failure to lay	Failure to lay	Failure to lay	Failure to lay	Failure to lay
Torre I	Failure to lay	Failure to lay	Failure to lay	No laying	Success
Torre II	Success	Failure to lay	Success	Success	Success
Valles de Ortega	Success	Failure to lay	No laying	No laying	No laying

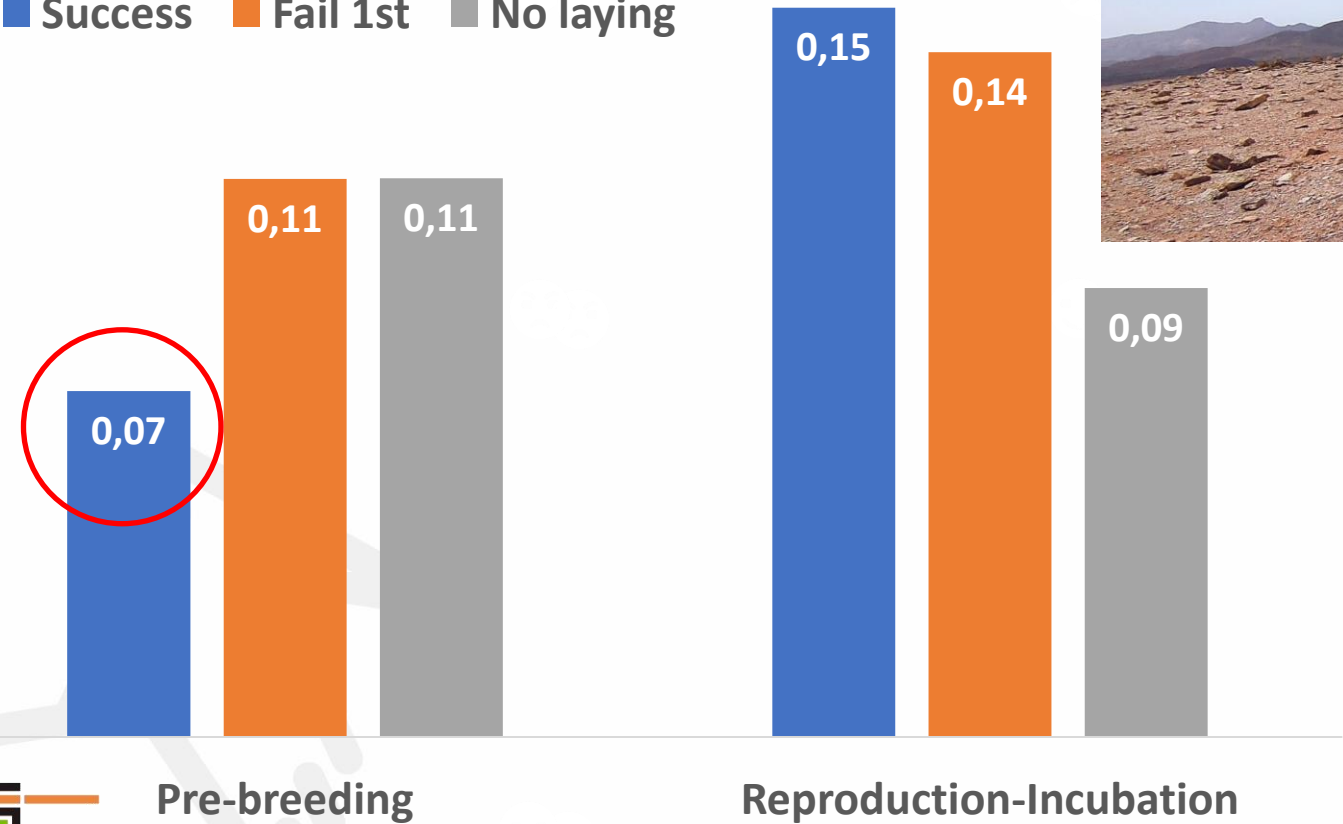
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Average total impact valuation derived from disturbance detected in the monitoring of the territories, by year and activity in the pre-reproductive and incubation periods.

Average total impact valuation derived from disturbance by activity, in the pre-reproductive and incubation periods.

■ Success ■ Fail 1st ■ No laying



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Territorios	Éxitos pre-LIFE	Fracasos Pre-LIFE	Porcentaje Éxito Pre-LIFE	Éxitos LIFE	Fracasos LIFE	Porcentaje Éxito LIFE	Éxitos total	Fracasos total	Porcentaje Éxito total
Caldera de Arrabales	8	5	61,5%	3	1	75,0%	11	6	64,7%
Caldera de Gairía	1	12	7,7%	3	1	75,0%	4	13	23,5%
Guisgüey II	1	5	16,7%	4	0	100,0%	5	5	50,0%
La Caldereta	3	6	33,3%	0	4	0,0%	3	10	23,1%
La Muley	0	0	0,0%	2	0	100,0%	2	0	100,0%
La Roseta II	0	2	0,0%	1	3	25,0%	1	5	16,7%
Tenegüime	2	6	25,0%	2	2	50,0%	4	8	33,3%
Tiscamanita	2	7	22,2%	0	4	0,0%	2	11	15,4%
Torre I	16	5	76,2%	0	4	0,0%	16	9	64,0%
Torre II	6	8	42,9%	3	1	75,0%	9	9	50,0%
Valle de Goroy	0	5	0,0%	1	0	100,0%	1	5	16,7%
Valles de Ortega	0	2	0,0%	1	3	25,0%	1	5	16,7%
			23,8%			52,1%			39,5%

Fuente datos: Estación Biológica de Doñana (CSIC), encargo del Gobierno de Canarias

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Equipo Técnico (GESPLAN): Daida Ruiz, Rubén Cerdeña,
Olga Pérez.

Thank you so much!
Grazie mille!
¡Muchas Gracias!