

1 **Autogestão do voluntariado conscienciológico: Relatório**  
2 **de 2025**

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## Abstract

This is a draft of template document to be used for conscienciology publications. It's in alpha stage.

## Plain Language Summary

Esse documento apresenta um modelo para utilização em autopesquisa na conscienciologia.

## 1 Introdução

Fonte: [Caderno de Artigo](#)

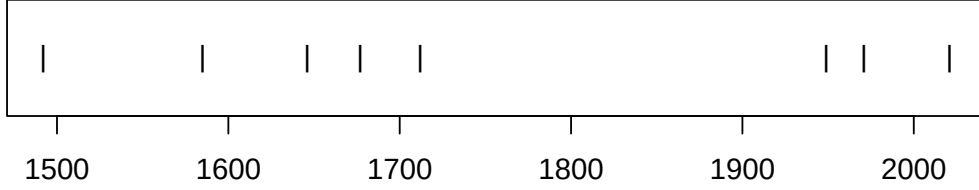


Figura 1: Timeline of recent earthquakes on La Palma

Fonte: [Caderno de Artigo](#)

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Based on data up to and including 1971, eruptions on La Palma happen every 79.8 years on average.

Studies of the magma systems feeding the volcano, such as Marrero et al. (2019), have proposed that there are two main magma reservoirs feeding the Cumbre Vieja volcano; one in the mantle (30-40km depth) which charges and in turn feeds a shallower crustal reservoir (10-20km depth).

Eight eruptions have been recorded since the late 1400s (Figura 1).

Data and methods are discussed in Seção 2.

Let  $x$  denote the number of eruptions in a year. Then,  $x$  can be modeled by a Poisson distribution

$$p(x) = \frac{e^{-\lambda} \lambda^x}{x!} \quad (1)$$

where  $\lambda$  is the rate of eruptions per year. Using Equação 1, the probability of an eruption in the next  $t$  years can be calculated.

Tabela 1: Recent historic eruptions on La Palma

| Name      | Year |
|-----------|------|
| Current   | 2021 |
| Teneguía  | 1971 |
| Nambroque | 1949 |

| Name                | Year |
|---------------------|------|
| El Charco           | 1712 |
| Volcán San Antonio  | 1677 |
| Volcán San Martin   | 1646 |
| Tajuya near El Paso | 1585 |
| Montaña Quemada     | 1492 |

28 Tabela 1 summarises the eruptions recorded since the colonization of the islands by  
 29 Europeans in the late 1400s.

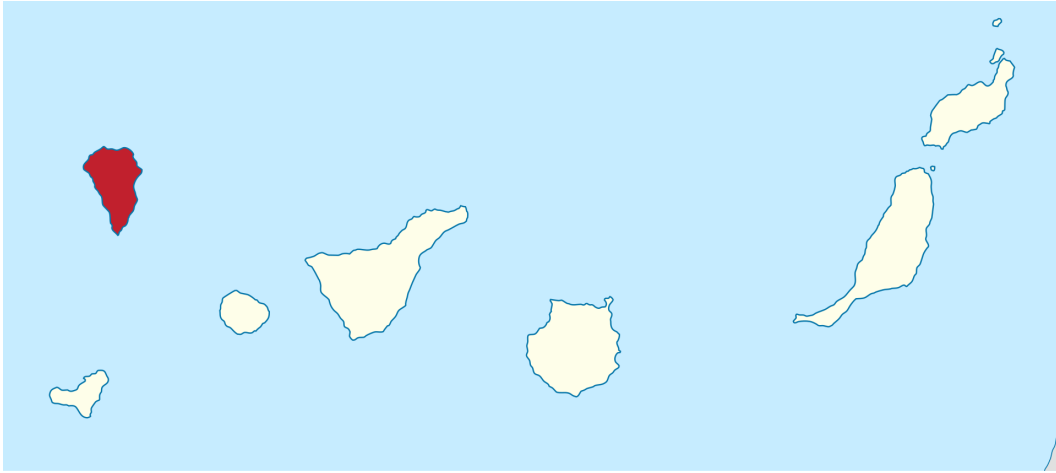


Figura 2: Map of La Palma

30 La Palma is one of the west most islands in the Volcanic Archipelago of the Canary  
 31 Islands (Figura 2).

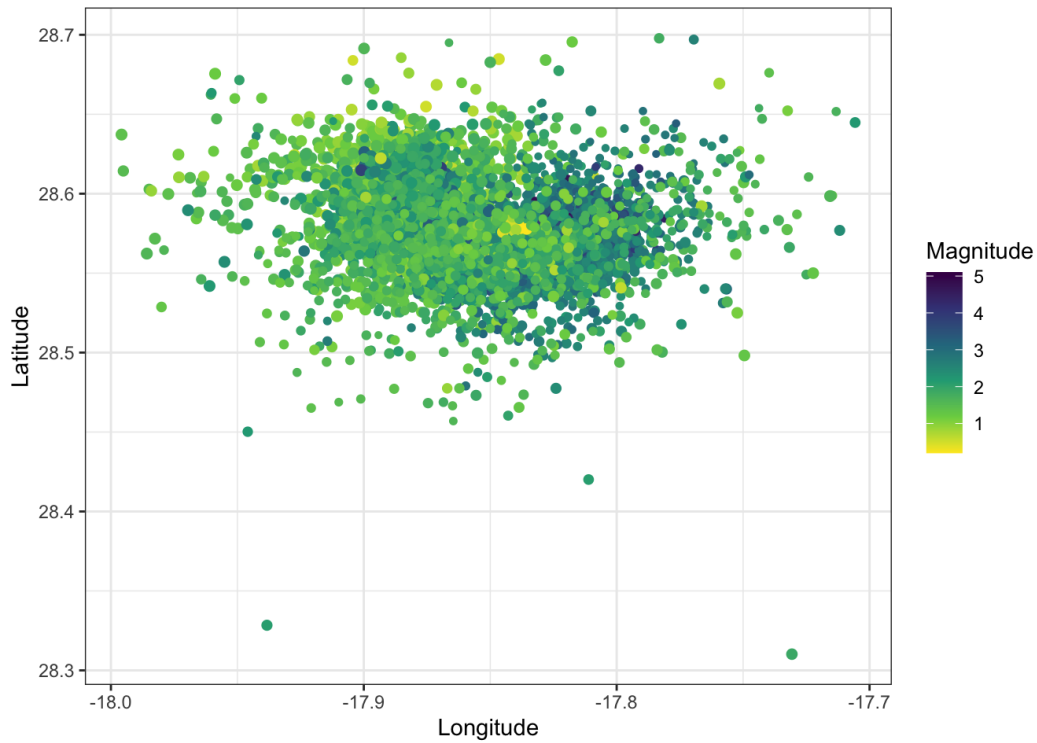


Figura 3: Locations of earthquakes on La Palma since 2017

Fonte: [Explore Earthquakes](#)

Figura 3 shows the location of recent Earthquakes on La Palma.

## 2 Data & Methods

## 3 Conclusion

## References

Marrero, J., García, A., Berrocoso, M., Llinares, Á., Rodríguez-Losada, A., & Ortiz, R. (2019). Strategies for the development of volcanic hazard maps in monogenetic volcanic fields: the example of La Palma (Canary Islands). *Journal of Applied Volcanology*, 8. <https://doi.org/10.1186/s13617-019-0085-5>