# Historical changes in the *Erica mackayana* heathland cover in Galicia, NW Spain

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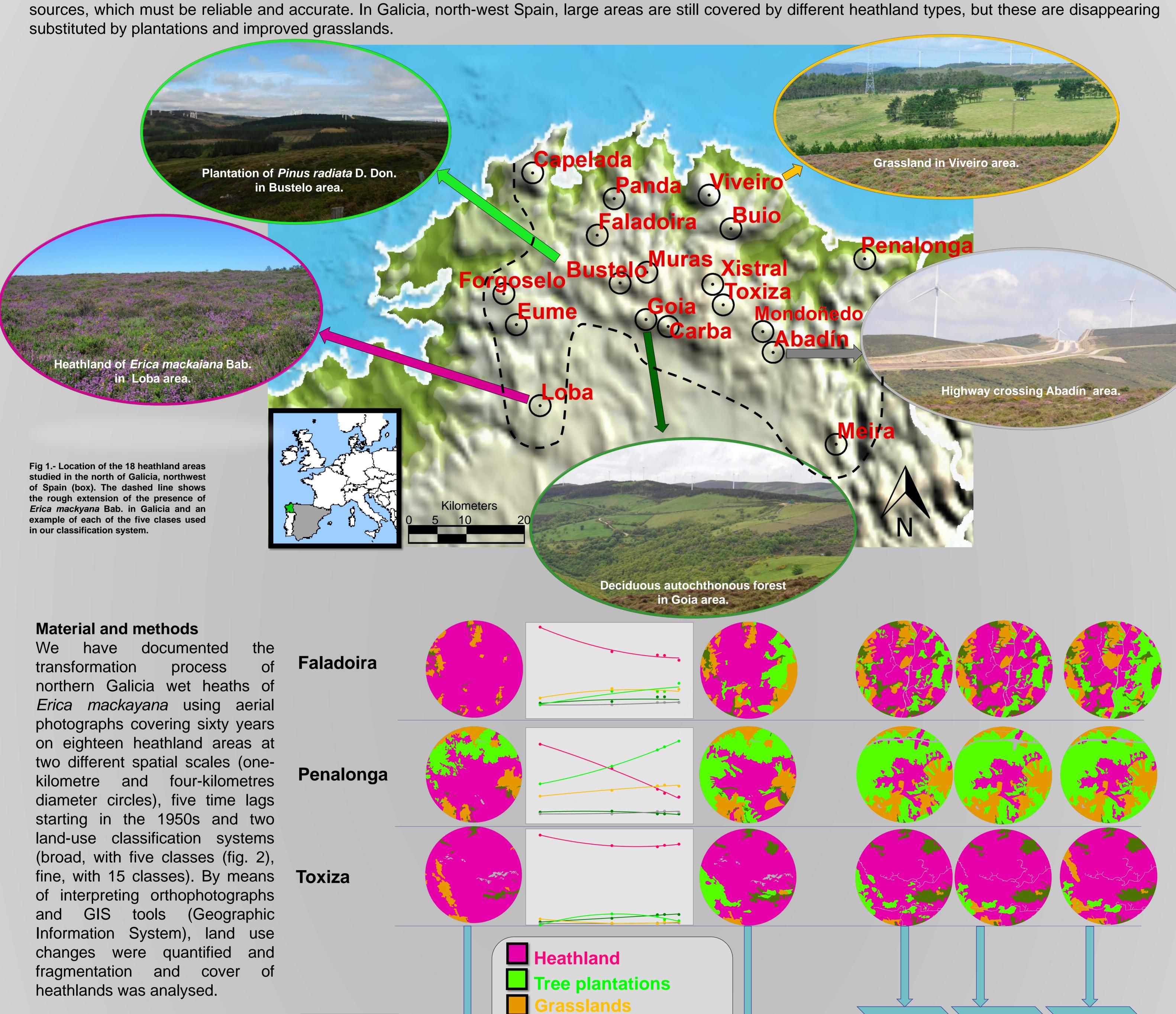
Jaime Fagúndez & Carlos V. Muñoz-Barcia

Biology department, Faculty of Science, University of A Coruña, 15071 A Coruña, Spain jaime.fagundez@udc.es

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#### Introduction

The general trend of land use changes related to heathland loss has extensively been recorded throughout Western Europe. Different spatial and temporal scales have shown a similar decline of dramatic losses of up to ninety per cent of the original heathland cover. Addressing this tendency implies the use of historical sources, which must be reliable and accurate. In Galicia, north-west Spain, large areas are still covered by different heathland types, but these are disappearing substituted by plantations and improved grasslands.



## loss, Penalonga with one of the highest declines in heathland cover, and Toxiza, with one of the lowest.

Fig 2.- Time line showing land use cover changes at

1956, 1986, 2004, 2008 and 2014 in three of the studied

areas: Faladoira showing the average rate of heathland

An important loss of heathland cover was observed, but we found a high variation between sites. Tree plantations has increased its cover the most, followed by deciduous autochthonous forests and improved grasslands. The decrease in heathland cover shows that the trend of the habitat decline in Europe is also taking place in Galicia. Therefore, it is necessary to establish measures for the conservation of these ecosystems related to the traditional uses, to counteract the negative effects of land use intensification.

Others

1960

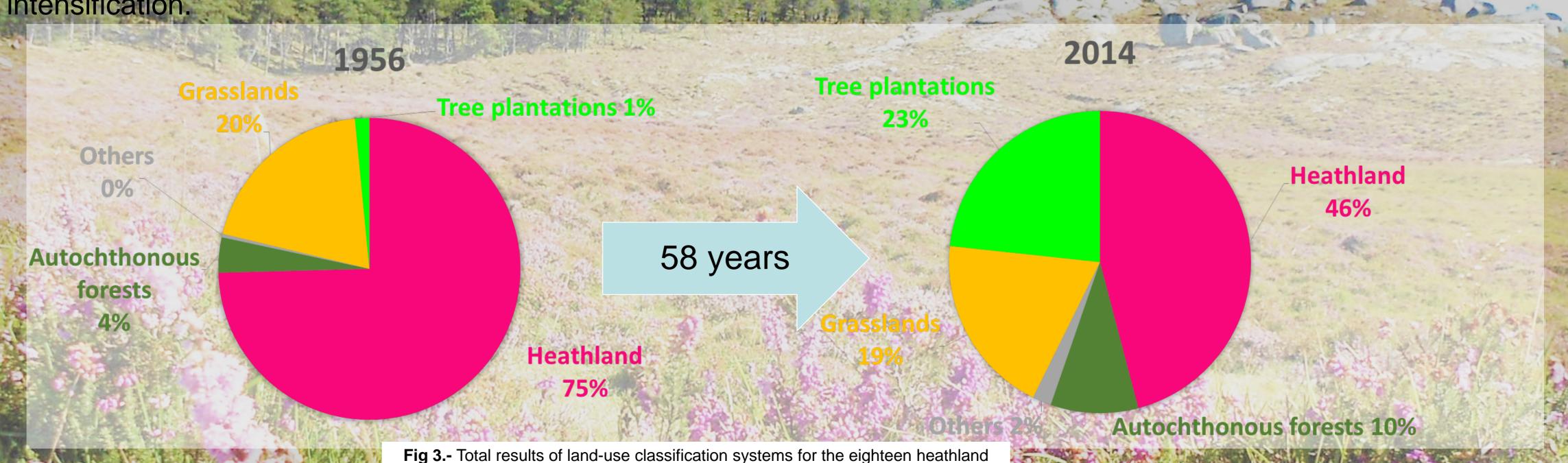
1950

**Autochthonous forests** 

1980

1990

2010



### References

Fagúndez, J. (2016). Grazing effects on plant diversity in the endemic *Erica mackayana* heathland community of north-west Spain. *Plant Ecology & Diversity*, 9(2), 207-217.

areas during this period (1956-2014).

Fagúndez, J. (2013). Heathlands confronting global change: drivers of biodiversity loss from past to future scenarios. Annals of Botany, 111(2), 151-172.