



## Past and Current Climate Change

Mercedes Rodriguez

Ribeira, Spain (merce.r.ruibal@edu.xunta.es)

In 1837 the swiss geologist and paleontologist Louis Agassiz was the first scientist to propose the existence of an ice age in the Earth's past. Nearly two centuries after discussing global glacial periods .....

In tribute to these pioneers, I'm going to design a poster to highlight interactions between various Earth processes that fail to produce at certain times of extreme weather events on a geological scale.

Between these extremes include a global glaciation called "The Snowball Earth" which occurred 750 million years ago and has probably been one of the coldest and durable, but not the only one. It is believed that the impact on the biosphere was such that almost disappeared life on the planet.

The trigger processes were: decrease in the atmospheric concentration of greenhouse gases such as CO<sub>2</sub> and CH<sub>4</sub>, the effect of climate variations in solar radiation due to emissions of volcanic dust and orbital changes (Milankovitch cycles), being an essential part of this model the feedback mechanism of the albedo of the ice. Other important issues to be addressed are: paleoclimatic and geological evidence, as the planet came out of this situation and main effects on the biosphere.

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