

OIA request 2021/10: Natural GHG emissions – three questions

From: Wendy McGuinness <wmcg@mcguinnessinstitute.org>

Date: Monday, 19 April 2021 at 08:09 AM

To: <enquiries@niwa.co.nz>

Subject: OIA request 2021/10: Natural GHG emissions - three questions

To whom it may concern,

Working Paper 2021/06: Accounting for Natural GHG emissions, such as wildfires and volcanic eruptions

The McGuinness Institute is currently in the process of preparing a working paper exploring the accounting and assurance of naturally occurring GHG emissions in Aotearoa New Zealand. This paper aims to build on Greenpeace's report [Lost in Smoke](#) (2018). The preliminary title of this research is *Working Paper 2021/06 – Accounting for Natural GHG emissions, such as wildfires and volcanic eruptions*.

To help us complete the working paper, could you answer the following two questions:

Question 1: We would appreciate copies of any research NIWA has completed on New Zealand's historical and/or projected natural greenhouse gas emissions, in particular any specific papers on the following natural events:

- a. Wildfires
- b. Volcanic eruptions
- c. Earthquakes
- d. Landslides

Question 2: We would appreciate a list any other papers completed by New Zealand researchers (other than NIWA) on the above topics? To date, we have found very little.

Social Media

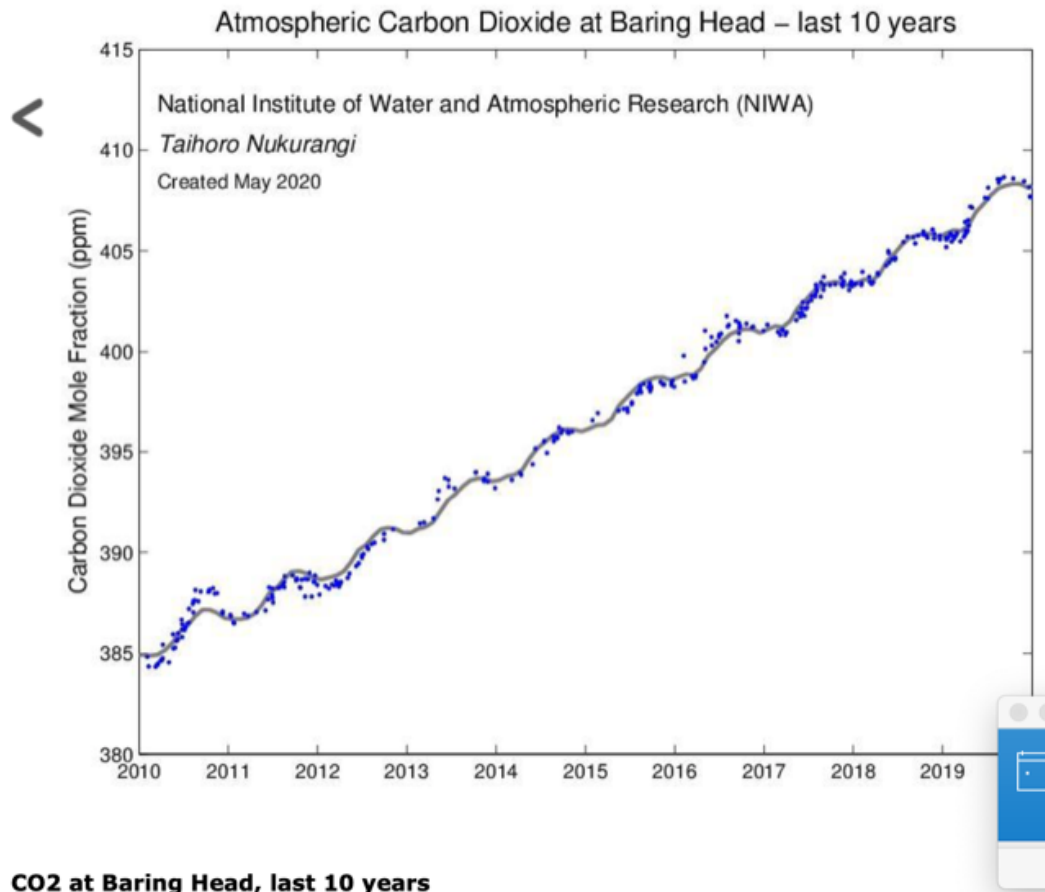
We would also like to undertake some social media work on the change in carbon dioxide at Baring Head since 1973.

Question 3: Could you provide in an excel (or equivalent) of the carbon dioxide data records taken at Baring Head since 1973 (ideally by average per month or average per year)?

Thank you in advance for responding to the above questions. Please do not hesitate to contact me should you have any questions or comments relating to this work.

Best wishes,

Wendy McGuinness
Chief executive



CO2 at Baring Head, last 10 years

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