

Mercury Emission from Prescribed Open Grassland Burning in the ASO Region, Japan

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The article was published as a chapter of the book “*Grasslands - Conservation and Development*” in November, 2023. The chapter presents the observations for the enhanced concentrations of total gaseous mercury and other trace level chemical species, the observed stable mercury isotope ratios, the measurement results of plant carbon stock per 1 m × 1 m quadrat, and the estimated area of prescribed burning in the Aso region in the spring of 2023. Using those results obtained at the Akiyoshidai grassland a means for the determination of total gaseous mercury emission was demonstrated.

