

## NEEM 氷床コア解析による完新世のメタン濃度復元（続報）

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## Holocene CH<sub>4</sub> concentrations in the NEEM ice core (updated results)

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We have developed gas extraction and analyses systems for ice core measurements at NIPR. They include a wet extraction system, sample splitting line, GC measurement system, and isotope measurement system. We started the measurements of real ice core samples in 2012 and have continued the measurements of the NEEM ice core for the Holocene period. We have nearly completed single analyses of most samples with some multiplicate measurements. The records of CH<sub>4</sub> and N<sub>2</sub>O concentrations, as well as elemental and isotopic ratios of N<sub>2</sub>, O<sub>2</sub> and Ar will be presented and discussed.