

# CO2 Sending Method for Geological Storage in Lake Sediments-3-Sedimentary Basin at Kosei, Shiga, contain Water-soluble Methane

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Outline of the study on Development of CO2 Sending Method for Geological Storage in Lake Sediments was presented at the year before last meeting. It was presented the structures of sedimentary basin around Lake Biwa contain water-soluble methane and also it was found the methane foramed bacteria in two spring-waters at the east shore of Lake Biwa.

From our results of surveys, we are selected the lake shore at Shin-Asahi Hamaennci, for 200m depth drillig site. At the area, it is estimated that thick sediments contain water-soluble methane stratum using the detailed gravity survey and groundwater surveys. We have sampled the cores, groundwater and gas samples by 200m drilling, to studies of the structure of sedimentary basin and to identity and to cultivete the methanogenic bacteria.