Local marine radiocarbon age offset of Hokkaido region

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The natural radioisotope 129I dating covers an important age range for geological samples. The iodine contains 129I that is the long half-life radionuclide besides stable isotope 127I. 129I is a cosmogenic nuclide generated by cosmic rays in the atmosphere. It is possible to measure it by using 129I/127I at the iodine age. It is possible to measure iodine dating by using this equilibrium. However, present 129I/127I ratio is very high. Because a large amount 129I was added by the human act of using nuclear power. Therefore, it is indispensable to know initial 129I/127I ratio that doesn’t contain anthropogene 129I to measure 129I age.