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comprehensive study of the distribution of radioactive materials released from the Fukushima Daiichi nuclear power plant

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A huge earthquake (M 9.0) and coupled tsunami on March 11, 2011 yielded enormous damage in the area from north Kanto to whole Tohoku district. Besides direct disaster caused by earthquake and tsunami, equally severe accident happened at Fukushima Daiichi nuclear power plant of Tokyo Electric Power Company. By this accident, nuclear power reactors couldn't be controlled properly and eventually radioactive materials were released from the building to house nuclear power reactors and dispersed over rather wide area. Consequently, agricultural materials, drinking water and food were contaminated with radioactive nuclides, for which public people worried. Therefore, it is an urgent ask to settle such uneasiness for public people and objectively predict the possible influence caused by radioactive material over agricultural products for people engaging in agriculture. To grapple with this task promptly as well as effectively, scientists belonging to Geochemical Society of Japan, atmospheric and oceanic section of JpGU and Japan Society for Nuclear and Radiochemical Sciences were allied and presented a proposal for comprehensive and systematic survey of radioactive materials in the environment. In this project, samples are to be collected for atmosphere, rain, soils and nderground water as systematically as possible and as wide as possible for the sampling area. After sampling, samples are to be subjected to precise measurement of radioactivity under controlled counting protocol and data thus obtained are to be opened to the governmental sector as well as public promptly. At the same time, scientific meaning and information derived from such data are to be reported openly to appropriate academic societies as well as to the public.