

Evaluation of submarine groundwater discharge in Suruga Bay by using radon 222

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Submarine groundwater discharge (SGD) in coastal area has been recognized as an important pathway for material transport from land to ocean. SGD has been widely studied throughout the world and it is expected as ubiquitous phenomenon in coastal zone.

Suruga Bay is adjacent to the southern foot of Mt. Fuji where the permeable lava flow deposits and the active groundwater flow system exist. Therefore, large amount of groundwater input is expected at the coastal area in Suruga Bay. It is also expected that SGD has a significant effect for marine products in this area.

To evaluate submarine groundwater discharge in this area, we applied continuous radon measurement and sampled coastal water for chemical analysis. We will introduce these results in this presentation.

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