

**Session Title:**

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**Abstract title:** The challenges and prospects Bio-related Negative Emission Technologies

**Abstract text (within 100 words):**

As accelerating movement to achieve carbon net zero in the world, the Negative Emission Technology (NETs) is attracting attention. Absorption of CO<sub>2</sub> by forests and oceans is largely due to the functions of organisms (trees, seaweed, etc.). In order to sustainably use forests and oceans as CO<sub>2</sub> storage, it is important to create economic value through the quantification of environmental value and/or the creation of economic value through the industrial use of these biomass and re-generation of biomass.

I would like to discuss about the challenges and prospects NETs due to the acceleration of bio-related natural phenomena as nature-based solution.