

# Considering the Conservation of Tidal Flat Ecosystems through the Lens of Material Flow

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Expected participants: 5 students (max)

Schedule: Offered in an intensive format, scheduled primarily in September.  
Specific dates will be confirmed at a later time.

The first meeting: To be scheduled. The meeting will be held at Aobayama Campus,  
Building F01 (Civil Engineering & Architecture), Room #304.

Tidal flat ecosystems serve not only as habitats for diverse organisms but also as recreational waterfront spaces for local communities. Furthermore, tidal flats are sites of active nutrient and organic matter cycling, thereby materially supporting water purification and biological production. In this training program, participants will visit Gamo Tidal Flat near Sendai City to deepen their understanding of the characteristics of material dynamics in tidal flat environments and the challenges surrounding ecosystem conservation. Building on this, participants will engage in discussion on the significance of material dynamics research and the approaches and complexities involved in ecosystem conservation and management.