



Les Jeudis de l'UMR

JEUDI 16 MARS 2023 / 11H30 **Satoshi WATANABE** et **Nariaki INOUE**,
Japan Fisheries Research and Education Agency

Ecology and restoration of clam fisheries in Japan

Satoshi WATANABE: Drastic decline of asari, *Ruditapes philippinarum*, production in Japan

Asari (Japanese word for manila clam) is a popular seafood in Japan. Fishery production of asari has been in a continuous decreasing trend in Japan since the mid-1980s. The national production peaked at 170×10^3 t in 1983, and it decreased to as low as 4000 t by 2020. Habitat loss due to reclamation of coastal areas is one of the obvious reasons for the clam decline; however, the clam population has continued to shrink in Tokyo Bay even after reclamation rush ended in 1970s. Decline of asari fishery production is a result of a complex interaction of multiple factors, which makes it difficult for researchers and fishers to take effective measures. In this seminar, causative factors summarized by our study group and possible countermeasures will be introduced in relation with the effectiveness.

Nariaki INOUE: Development of fishing ground using crushed stone for manila clam (*Ruditapes philippinarum*)

Manila clam (asari) fishery production in Japan was 170,000 tons per year before the 1980s, and it has been in a continuous decline since then. The catch levels are extremely low in recent years. To date, the exact factors for the long-term and large-scale decrease of the clam resources are not fully known, and there are different factors in each fishing area. However, transport of the juvenile clams by wave and current actions is a common factor in many areas that induces mortality of the clams. Our demonstration tests conducted in Tokyo Bay, Mikawa Bay and Ise Bays showed laying crushed stones on the bottom mitigated waves and currents. Examples will be introduced from our study in Mie prefecture, where the protection measure was particularly effective.

> accès zoom

<https://umontpellier-fr.zoom.us/j/96426860643>

ID de réunion : 964 2686 0643

> prochainement



Jeudi 23 mars 2023 : Chloé Stanford-Clark
(Doctorante INRAE, C2C projet franco-québécois)

"Ecosystem dynamics in damage assessment in Life Cycle Assessment (LCA): Application to marine and coastal ecosystems"

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