

Kolleg: sustAInability, Leitung: Charlotte Boehm (HM), Helene von Schwichow (TUM)

# Projekt: Detecting Garbage in the Ocean

**Teamname:** MarineMinds

**Teammitglieder:** Ekaterina Gikalo, Zeynep Duran, Simon Chervenak, Oscar Röth, Mohamad Alkam, and Wasuwadee Kongdech (Technology of the Future)

**Kurzbeschreibung:** We were presented with a real-world challenge by MI4People and Alexander Thamm to *beat the experts* in AI-based marine litter detection. Initially, we defined a complex task: detecting garbage in previously unseen locations, a goal closely aligned with real-world applications. We then assessed and enhanced the capabilities of the experts' model for this task. Our solution increased accuracy by common AI metrics, but can still be improved by further examination of the data. Here we see a great use in the future for monitoring and removing ocean garbage, benefiting the entire planet.

**ggf. Projektpartner, Ideengeber:** MI4People and Alexander Thamm

