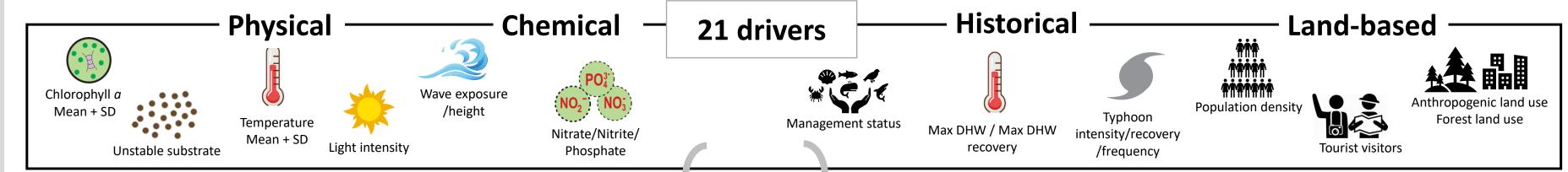
# Environmental influence on coastal benthic communities in a complex environmental setting



## 5 communities with distinct features and distributions around Taiwan





Pervasive in Subtropics **Tropics Mesophotic** 

**Turf & Stony Coral** Community



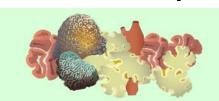
**Tropics Shallow Subtropics Shallow** 

### **Turf Community**



**Pervasive** 

#### **Digitate Octocoral** Community



**Tropics Shallow** 

#### **Clustered Octocoral** Community



**Tropics Shallow** Tropics Mesophotic

Physical, chemical, and land-based drivers (1)



Historical drivers (1)



→ Results suggest a biotic homogenization toward a turf-dominated community in Taiwan, driven by nutrient enrichment and terrestrial runoff from coastal human activities