

# Algal-dominated to urchin-barren state



Ecological processes



Climate-driven changes



Over-exploitation of natural resources



Management interventions



Cutoff event

Alg+, Urc-, Lob+, Aba+, Oct-, Fis-, Mgt- (algal-dominated)

to

Alg-, Urc+, Lob-, Aba-, Oct+, Fis+, Mgt+ (urchin-barren)











































































































































