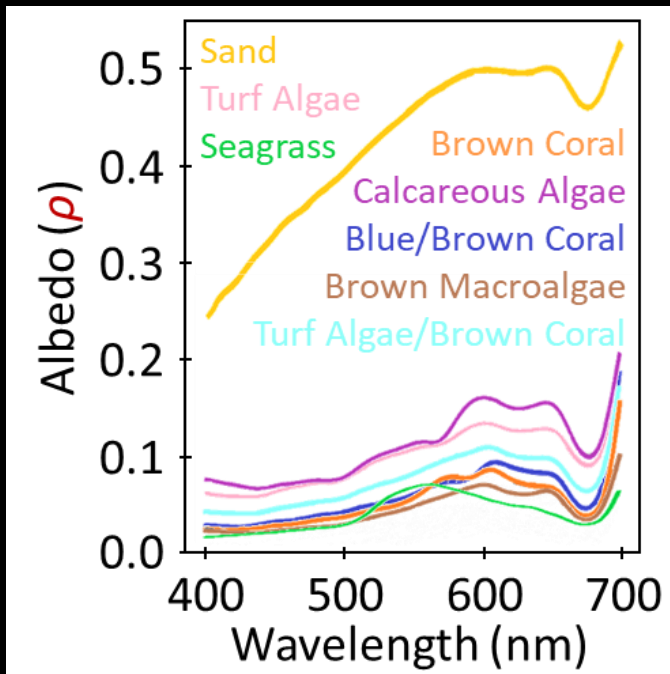
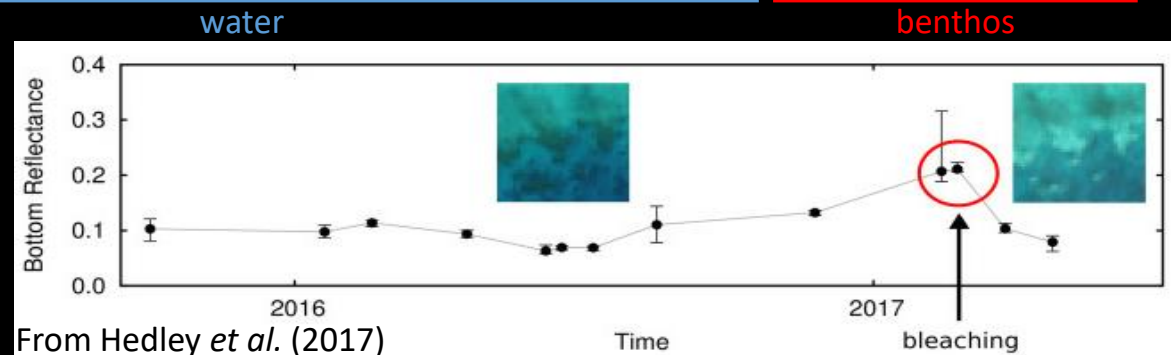


Spectral matching inversion algorithms for PACE application in optically shallow waters: an assessment using HICO and PRISM data

$$R_{rs}^{mod}(\lambda) = f\left(\frac{\Delta a_{\phi}}{\Delta \lambda}, a_{\phi}(440), S, a_{dg}(440), Y, b_{bp}(550), \frac{\Delta \rho}{\Delta \lambda}, \rho(550), H\right)$$



Hochberg *et al.* (2003), Garcia *et al.* (2018)



From Hedley *et al.* (2017)

- Data: Simulated R_{rs} , HICO, CORAL (PRISM)
- Assess uncertainties & resilience to errors
- Global, OS water implementation
- a_{ϕ} , a_{dg} , b_{bp} , ρ , H , S , Y , benthic class./change