



# Marine Science in WA 2010 Show-&-Tell

**Name: Alan Cottingham**

**Affiliation: Murdoch University**

**Supervisor : Alex Hesp & Norm Hall**

**Newsflash title: Factors influencing the life-history characteristics of Black Bream (*Acanthopagrus butcheri*) in the Swan-Canning Estuary**



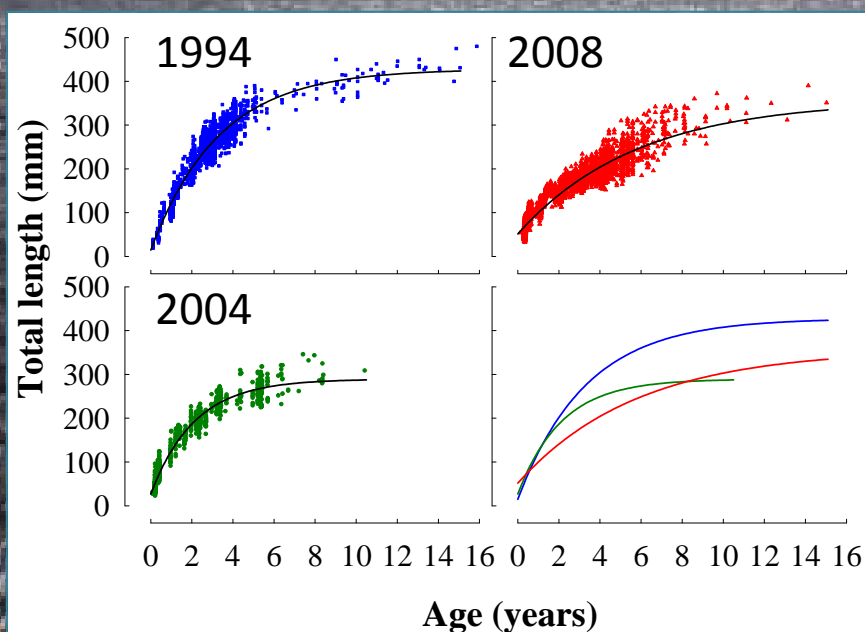
# Factors influencing the life-history characteristics of Black Bream (*Acanthopagrus butcheri*)



in the Swan-Canning Estuary

by Alan Cottingham

Supervisors: Alex Hesp & Norm Hall



- Relate biological and environmental variables to inter-annual differences in growth
- Explore factors influencing inter-annual variability recruitment
- Estimate biomass production as an index of stock status